



# SAR Test Report

Report No.: STS2509025H02

Issued for

CIBER S.A.C.

Av, Monterrico Chico N' 121 Dpto.101 -Santiago de Surco,  
Lima, Peru

Product Name: 10.51 tablet

Brand Name: N/A

Model Name: B610A415I

Series Model(s): N/A

FCC ID: 2A7FV-B610A4151

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

Max. Report SAR (1g) Body: 0.790 W/kg

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** ..... : CIBER S.A.C.  
**Address** ..... : Av, Monterrico Chico N' 121 Dpto.101 -Santiago de Surco, Lima, Peru  
**Manufacturer's Name** ..... : Qingdao Hainergy Technology Corp., Ltd  
**Address** ..... : 15/F. TOWER D1 NO.1 KEYUANWEIYI RD LAOSHAN DISTRICT QINGDAO CHINA

**Product description**

**Product name** ..... : 10.51 tablet  
**Brand name** ..... : N/A  
**Model name** ..... : B610A415I  
**Series Model**..... : N/A

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

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

**Date of Test**..... :

**Date (s) of performance of tests**..... : 24 Sep. 2025 ~ 29 Sep. 2025

**Date of Issue**..... : 13 Oct. 2025

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

**Testing Engineer** :

Xin Liu

(Xin.Liu)

**Technical Manager** :

Shi fan. long

(Shifan. Long)

**Authorized Signatory** :

Bovey Yang

(Bovey Yang)





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| 00   | 13 Oct. 20255 | STS2509025H02 | 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            | 10.51 tablet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Brand Name              | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Model Name              | B610A415I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Series Model            | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Model Difference        | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Sample number           | 250901006-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Battery                 | Rated Voltage:3.8V<br>Capacity:7000mAh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 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 II: 1850 MHz ~ 1910 MHz<br>WCDMA Band IV:1710 MHz ~ 1755 MHz<br>WCDMA Band V: 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 40: 2305 MHz ~ 2315 MHz / 2350 MHz ~ 2360 MHz<br>LTE Band 41: 2496 MHz ~ 2690 MHz<br>WLAN802.11b/g/n20: 2412 MHz ~ 2462 MHz<br>WLAN 802.11n40: 2422 MHz ~ 2452 MHz<br>WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5150 ~ 5250 MHz<br>WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5250 ~ 5350 MHz<br>WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5470 ~ 5725 MHz<br>WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5725 ~ 5850 MHz<br>Bluetooth: 2402 MHz to 2480 MHz |



|                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------|
| Max. Reported SAR(1g):<br>(Limit: 1.6W/kg)<br>Test distance:<br>Body:0mm                                                                                                                                                                                                                                                                                                                                                               | Band                                                                                                                                                                                                                                                                                                                                                                                                                            | Mode         | Body Worn and Hotspot(W/kg) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        | PCE                                                                                                                                                                                                                                                                                                                                                                                                                             | GSM 850      | 0.587                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        | PCE                                                                                                                                                                                                                                                                                                                                                                                                                             | GSM 1900     | 0.790                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        | PCE                                                                                                                                                                                                                                                                                                                                                                                                                             | WCDMA Band 2 | 0.286                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        | PCE                                                                                                                                                                                                                                                                                                                                                                                                                             | WCDMA Band 5 | 0.520                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        | PCE                                                                                                                                                                                                                                                                                                                                                                                                                             | LTE Band 2   | 0.519                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        | PCE                                                                                                                                                                                                                                                                                                                                                                                                                             | LTE Band 4   | 0.775                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        | PCE                                                                                                                                                                                                                                                                                                                                                                                                                             | LTE Band 5   | 0.766                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        | PCE                                                                                                                                                                                                                                                                                                                                                                                                                             | LTE Band 7   | 0.564                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        | PCE                                                                                                                                                                                                                                                                                                                                                                                                                             | LTE Band 40  | 0.388                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        | PCE                                                                                                                                                                                                                                                                                                                                                                                                                             | LTE Band 41  | 0.267                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        | DTS                                                                                                                                                                                                                                                                                                                                                                                                                             | 2.4G WLAN    | 0.115                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        | DSS                                                                                                                                                                                                                                                                                                                                                                                                                             | BT           | 0.059                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        | NII                                                                                                                                                                                                                                                                                                                                                                                                                             | 5.2G WLAN    | 0.159                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        | NII                                                                                                                                                                                                                                                                                                                                                                                                                             | 5.3G WLAN    | 0.141                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        | NII                                                                                                                                                                                                                                                                                                                                                                                                                             | 5.6G WLAN    | 0.172                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                        | NII                                                                                                                                                                                                                                                                                                                                                                                                                             | 5.8G WLAN    | 0.123                       |
| 1-g Sum SAR                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |              | 0.962                       |
| FCC Equipment Class                                                                                                                                                                                                                                                                                                                                                                                                                    | Licensed Portable Transmitter Held to Ear (PCE)<br>Part 15 Spread Spectrum Transmitter (DSS)<br>Digital Transmission System (DTS)<br>Unlicensed National Information Infrastructure TX(NII)                                                                                                                                                                                                                                     |              |                             |
| Operating Mode:                                                                                                                                                                                                                                                                                                                                                                                                                        | GSM: GSM Voice; GPRS/EGPRS Class 12<br>WCDMA: RMC, HSDPA, HSUPA Release 6<br>LTE: QPSK, 16QAM<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>5G WLAN: 802.11a(OFDM):BPSK,QPSK,16-QAM,64-QAM<br>802.11n(OFDM):BPSK,QPSK,16-QAM,64-QAM<br>802.11ac(OFDM):BPSK,QPSK,16-QAM,64-QAM,256-QAM<br>Bluetooth: GFSK + $\pi$ /4DQPSK+8DPSK<br>BLE: GFSK |              |                             |
| Antenna Specification:                                                                                                                                                                                                                                                                                                                                                                                                                 | GSM/WCDMA/LTE: FPC Antenna<br>Bluetooth: FPC Antenna<br>WLAN: FPC Antenna                                                                                                                                                                                                                                                                                                                                                       |              |                             |
| SIM Card                                                                                                                                                                                                                                                                                                                                                                                                                               | Support dual-SIM, dual standby, the multiple SIM card with two lines cannot transmitting at the same time                                                                                                                                                                                                                                                                                                                       |              |                             |
| Hotspot Mode                                                                                                                                                                                                                                                                                                                                                                                                                           | Support                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                             |
| DTM Mode                                                                                                                                                                                                                                                                                                                                                                                                                               | Not Support                                                                                                                                                                                                                                                                                                                                                                                                                     |              |                             |
| Note:<br>1. The dual SIM card mobile has 2 SIM slots and supports dual SIM dual standby. The WWAN radio transmission will be enabled by either one SIM at a time (Single active)<br>2. After pre-scan two SIM cards power, we found test result of the SIM1 was the worse, so we chose SIM1 card to perform all tests.<br>3. 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.

A 1/F, Building B, Zhuoke Science Park, No.190 Chongqing Road, HepingShequ, Fuyong Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration No.: 625569

IC Registration No.: 12108A

A2LA Certificate No.: 4338.01



## 2. Test Standards and Limits

| No. | Identity                            | Document Title                                                                                                                                                                                                                                                                                                         |
|-----|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | 47 CFR Part 2                       | Frequency Allocations and Radio Treaty Matters; General Rules and Regulations                                                                                                                                                                                                                                          |
| 2   | IEEE Std C95.1, 2019                | IEEE Standard for Safety Levels with Respect to Human Exposure to Electric, Magnetic, and Electromagnetic Fields, 0 Hz to 300 GHz. It specifies the maximum exposure limit of 1.6 W/kg as averaged over any 1 gram of tissue for portable devices being used within 20 cm of the user in the uncontrolled environment. |
| 3   | IEEE Std. 1528-2013                 | Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques                                                                                                                                            |
| 4   | FCC KDB 447498 D04 v01              | RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices                                                                                                                                                                                                                            |
| 5   | FCC KDB 865664 D01 v01r04           | SAR Measurement 100 MHz to 6 GHz                                                                                                                                                                                                                                                                                       |
| 6   | FCC KDB 865664 D02 v01r02           | RF Exposure Reporting                                                                                                                                                                                                                                                                                                  |
| 7   | FCC KDB 941225 D01 v03r01           | SAR Measurement Procedures for 3G Devices                                                                                                                                                                                                                                                                              |
| 8   | FCC KDB 941225 D05 v02r05           | SAR for LTE Devices                                                                                                                                                                                                                                                                                                    |
| 9   | FCC KDB 648474 D04 v01r03           | SAR Evaluation Considerations for Wireless Handsets                                                                                                                                                                                                                                                                    |
| 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).

**NOTE**

**GENERAL POPULATION/UNCONTROLLED EXPOSURE**

**PARTIAL BODY LIMIT**

**1.6 W/kg**

### 3. SAR Measurement System

#### 3.1 Definition of Specific Absorption Rate (SAR)

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

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

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

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

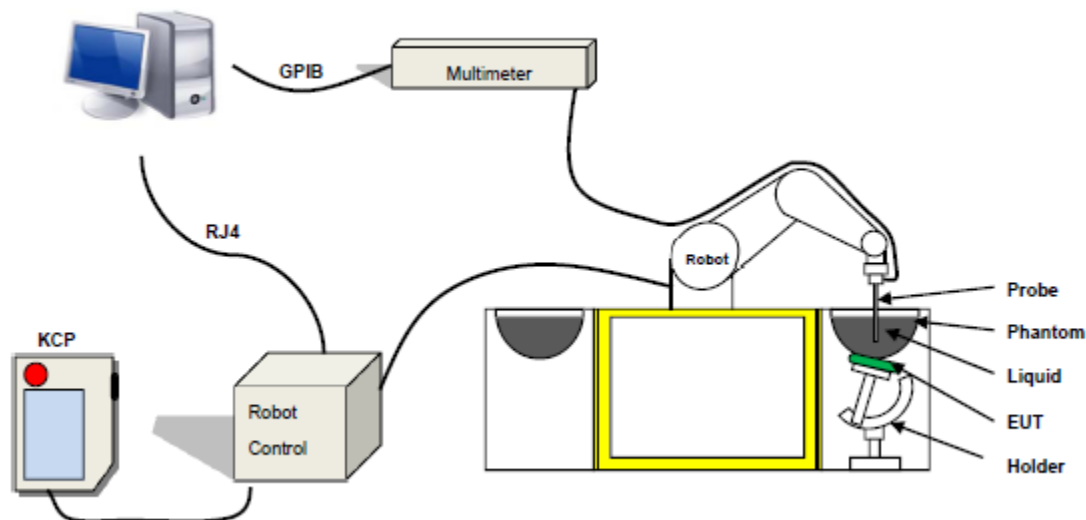
$$SAR = \frac{\sigma E^2}{\rho}$$

Where:  $\sigma$  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 EPG0352 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.

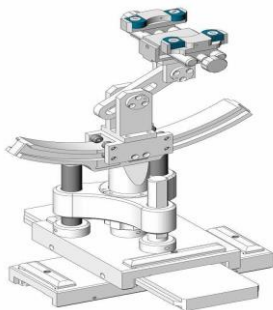
SN 32/14 SAM115



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.

| 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<br>% | Limited<br>% |
|------------|---------------|---------------|--------------------|---------------|--------------|--------|----------|----------------|--------------|
|            | Temp.<br>[°C] | Humidity<br>% | Frequency<br>(MHz) | Temp.<br>[°C] |              |        |          |                |              |
| 2025-09-25 | 21.8          | 46            | 824.2              | 21.6          | Permittivity | 41.55  | 42.41    | 2.07           | ±5           |
|            |               |               |                    |               | Conductivity | 0.90   | 0.91     | 1.25           | ±5           |
| 2025-09-25 | 21.9          | 47            | 835                | 21.6          | Permittivity | 41.50  | 42.06    | 1.35           | ±5           |
|            |               |               |                    |               | Conductivity | 0.90   | 0.91     | 1.11           | ±5           |
| 2025-09-25 | 22.0          | 47            | 844                | 21.7          | Permittivity | 41.46  | 41.78    | 0.78           | ±5           |
|            |               |               |                    |               | Conductivity | 0.90   | 0.89     | -1.23          | ±5           |
| 2025-09-25 | 22.1          | 47            | 846.6              | 21.8          | Permittivity | 41.45  | 41.83    | 0.93           | ±5           |
|            |               |               |                    |               | Conductivity | 0.90   | 0.89     | -1.26          | ±5           |
| 2025-09-24 | 22.4          | 47            | 1720               | 22.1          | Permittivity | 40.11  | 39.48    | -1.58          | ±5           |
|            |               |               |                    |               | Conductivity | 1.35   | 1.35     | -0.32          | ±5           |
| 2025-09-24 | 22.4          | 47            | 1732.5             | 22.1          | Permittivity | 40.10  | 39.68    | -1.04          | ±5           |
|            |               |               |                    |               | Conductivity | 1.36   | 1.34     | -1.57          | ±5           |
| 2025-09-24 | 22.4          | 47            | 1800               | 22.1          | Permittivity | 40.00  | 40.66    | 1.65           | ±5           |
|            |               |               |                    |               | Conductivity | 1.40   | 1.43     | 2.14           | ±5           |
| 2025-09-24 | 22.4          | 47            | 1850.2             | 22.1          | Permittivity | 39.93  | 40.54    | 1.53           | ±5           |
|            |               |               |                    |               | Conductivity | 1.43   | 1.48     | 3.59           | ±5           |
| 2025-09-24 | 22.5          | 47            | 1852.4             | 22.2          | Permittivity | 39.93  | 40.17    | 0.61           | ±5           |
|            |               |               |                    |               | Conductivity | 1.43   | 1.39     | -2.79          | ±5           |
| 2025-09-24 | 22.5          | 48            | 1860               | 22.3          | Permittivity | 39.91  | 40.11    | 0.49           | ±5           |
|            |               |               |                    |               | Conductivity | 1.43   | 1.41     | -1.69          | ±5           |
| 2025-09-28 | 23.3          | 58            | 2350               | 22.9          | Permittivity | 39.38  | 40.36    | 2.49           | ±5           |
|            |               |               |                    |               | Conductivity | 1.71   | 1.71     | -0.06          | ±5           |
| 2025-09-28 | 23.3          | 58            | 2437               | 22.9          | Permittivity | 39.22  | 38.85    | -0.95          | ±5           |
|            |               |               |                    |               | Conductivity | 1.79   | 1.77     | -1.03          | ±5           |
| 2025-09-28 | 23.4          | 58            | 2450               | 23.1          | Permittivity | 39.20  | 39.24    | 0.10           | ±5           |
|            |               |               |                    |               | Conductivity | 1.80   | 1.82     | 1.11           | ±5           |
| 2025-09-28 | 23.3          | 58            | 2506               | 23.0          | Permittivity | 39.13  | 39.46    | 0.86           | ±5           |
|            |               |               |                    |               | Conductivity | 1.86   | 1.87     | 0.55           | ±5           |
| 2025-09-28 | 23.4          | 58            | 2535               | 23.1          | Permittivity | 39.09  | 39.82    | 1.88           | ±5           |
|            |               |               |                    |               | Conductivity | 1.89   | 1.87     | -1.09          | ±5           |
| 2025-09-28 | 23.4          | 58            | 2600               | 23.1          | Permittivity | 39.00  | 38.85    | -0.38          | ±5           |
|            |               |               |                    |               | Conductivity | 1.96   | 1.95     | -0.51          | ±5           |
| 2025-09-28 | 23.3          | 58            | 5200               | 23.0          | Permittivity | 36.00  | 36.24    | 0.67           | ±5           |
|            |               |               |                    |               | Conductivity | 4.66   | 4.64     | -0.43          | ±5           |



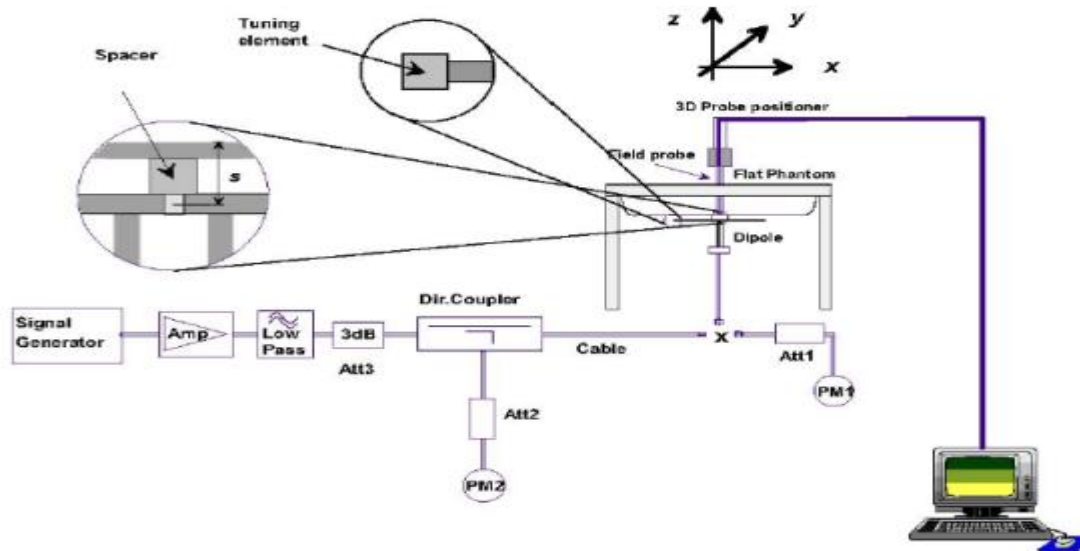
|            |      |    |      |      |              |       |       |       |    |
|------------|------|----|------|------|--------------|-------|-------|-------|----|
| 2025-09-28 | 23.4 | 58 | 5210 | 23.1 | Permittivity | 35.99 | 36.83 | 2.33  | ±5 |
|            |      |    |      |      | Conductivity | 4.67  | 4.68  | 0.20  | ±5 |
| 2025-09-29 | 21.7 | 59 | 5310 | 21.4 | Permittivity | 35.89 | 36.25 | 1.00  | ±5 |
|            |      |    |      |      | Conductivity | 4.77  | 4.78  | 0.21  | ±5 |
| 2025-09-29 | 21.8 | 59 | 5400 | 21.5 | Permittivity | 35.80 | 35.84 | 0.11  | ±5 |
|            |      |    |      |      | Conductivity | 4.86  | 4.84  | -0.41 | ±5 |
| 2025-09-29 | 21.7 | 59 | 5550 | 21.3 | Permittivity | 35.61 | 35.09 | -1.47 | ±5 |
|            |      |    |      |      | Conductivity | 5.01  | 5.01  | -0.07 | ±5 |
| 2025-09-29 | 21.8 | 59 | 5600 | 21.5 | Permittivity | 35.55 | 35.69 | 0.39  | ±5 |
|            |      |    |      |      | Conductivity | 5.07  | 5.06  | -0.10 | ±5 |
| 2025-09-29 | 21.7 | 59 | 5775 | 21.4 | Permittivity | 35.33 | 36.30 | 2.76  | ±5 |
|            |      |    |      |      | Conductivity | 5.24  | 5.22  | -0.45 | ±5 |
| 2025-09-29 | 21.7 | 59 | 5800 | 21.4 | Permittivity | 35.30 | 36.28 | 2.78  | ±5 |
|            |      |    |      |      | Conductivity | 5.27  | 5.26  | -0.19 | ±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    |           |
| 2025-09-25 | 835             | 100 mW              | 1.026                    | 0.596                     | -3.56     | 9.63                     | 6.15                      | 6.54%                 | -3.09% | 10        |
|            |                 | Normalize to 1 Watt | 10.26                    | 5.96                      |           |                          |                           |                       |        |           |
| 2025-09-24 | 1800            | 100 mW              | 3.872                    | 2.048                     | -0.25     | 38.40                    | 20.10                     | 0.83%                 | 1.89%  | 10        |
|            |                 | Normalize to 1 Watt | 38.72                    | 20.48                     |           |                          |                           |                       |        |           |
| 2025-09-28 | 2450            | 100 mW              | 5.513                    | 2.452                     | -2.57     | 54.70                    | 24.11                     | 0.79%                 | 1.70%  | 10        |
|            |                 | Normalize to 1 Watt | 55.13                    | 24.52                     |           |                          |                           |                       |        |           |
| 2025-09-28 | 2600            | 100 mW              | 5.566                    | 2.364                     | -2.10     | 56.19                    | 24.08                     | -0.94%                | -1.83% | 10        |
|            |                 | Normalize to 1 Watt | 55.66                    | 23.64                     |           |                          |                           |                       |        |           |
| 2025-09-28 | 5200            | 10 mW               | 1.571                    | 0.572                     | 2.40      | 163.88                   | 57.29                     | -4.15%                | -0.24% | 10        |
|            |                 | Normalize to 1 Watt | 157.08                   | 57.15                     |           |                          |                           |                       |        |           |
| 2025-09-29 | 5400            | 10 mW               | 1.739                    | 0.568                     | 1.37      | 172.23                   | 59.16                     | 0.98%                 | -4.02% | 10        |
|            |                 | Normalize to 1 Watt | 173.91                   | 56.78                     |           |                          |                           |                       |        |           |
| 2025-09-29 | 5600            | 10 mW               | 1.716                    | 0.581                     | -0.06     | 181.28                   | 61.57                     | -5.36%                | -5.57% | 10        |
|            |                 | Normalize to 1 Watt | 171.56                   | 58.14                     |           |                          |                           |                       |        |           |
| 2025-09-29 | 5800            | 10 mW               | 1.988                    | 0.608                     | 1.79      | 188.95                   | 63.45                     | 5.22%                 | -4.11% | 10        |
|            |                 | Normalize to 1 Watt | 198.82                   | 60.84                     |           |                          |                           |                       |        |           |

Note:

(1) We use a CW signal of 20dBm(835/1800/2450/2600MHz) and 10dBm(5000-6000MHz) for system check, and then all SAR values are normalized to 1W forward power. The result must be within  $\pm 10\%$  of target value.

## 6. SAR Evaluation Procedures

The procedure for assessing the average SAR value consists of the following steps:

The following steps are used for each test position

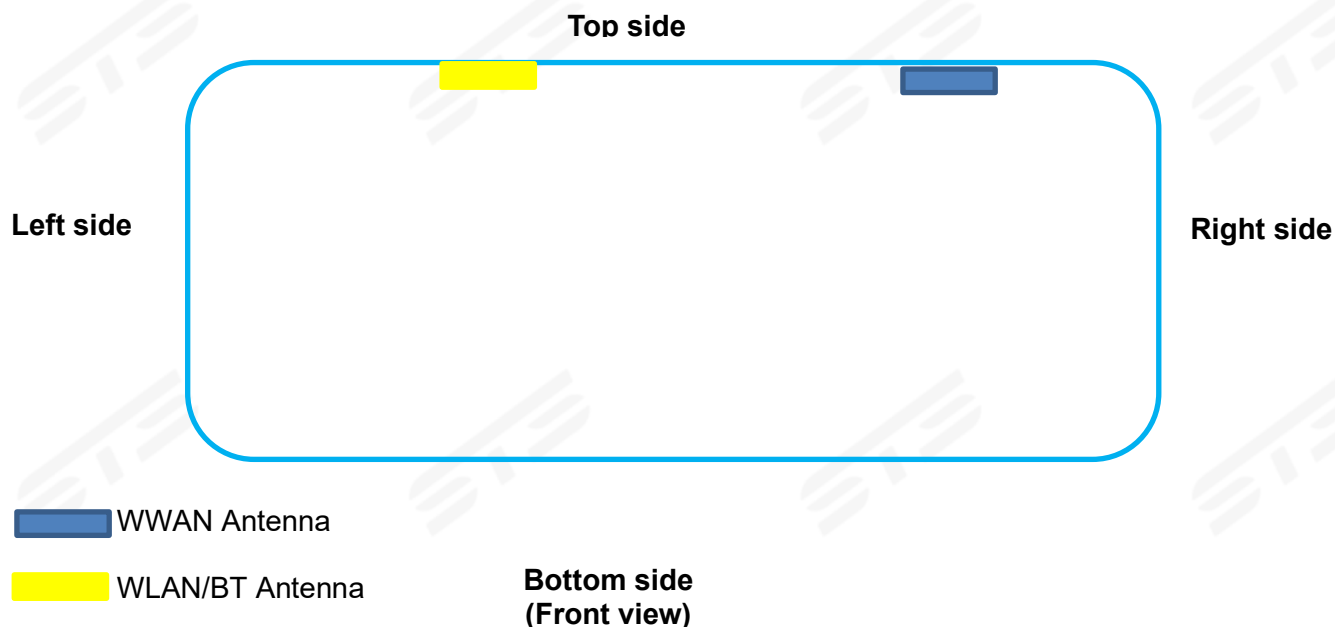
- Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
- Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible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

### ➤ Area Scan& Zoom Scan

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

## 7. EUT Antenna Location Sketch

It is a Smart phone, support GSM/WCDMA/LTE/WLAN/BT mode.



| Antenna Separation Distance(cm) |           |           |            |          |             |
|---------------------------------|-----------|-----------|------------|----------|-------------|
| ANT                             | Back Side | Left Side | Right Side | Top Side | Bottom Side |
| WLAN/BT                         | ≤0.5      | 16        | 6.5        | ≤0.5     | 14          |
| WWAN                            | ≤0.5      | 3.5       | 13.5       | ≤0.5     | 15          |

Note 1: The antenna information refer the manufacturer provide report, applicable only to the tested sample identified in the report.



## 7.1 SAR test exclusion consider table

The WWAN/WLAN/BT SAR evaluation of Maximum power (dBm) summing tolerance.

| Exposure Position | Wireless Interface          | GSM850  | PCS1900 | WCDMA 2 | WCDMA 5 | LTE Band 2 | LTE Band 4 |
|-------------------|-----------------------------|---------|---------|---------|---------|------------|------------|
|                   | Calculated Frequency(GHz)   | 0.8242  | 1.8502  | 1.8524  | 0.8466  | 1.86       | 1.7325     |
|                   | Maximum Turn-up power (dBm) | 29      | 25      | 21      | 20      | 21         | 20.5       |
|                   | Maximum rated power(mW)     | 794.33  | 316.23  | 125.89  | 100.00  | 125.89     | 112.20     |
|                   | Separation distance (cm)    | 0.5     | 0.5     | 0.5     | 0.5     | 0.5        | 0.5        |
| Back Side         | exclusion threshold(mW)     | 9.42    | 3.44    | 3.43    | 6.43    | 3.42       | 3.62       |
|                   | Testing required?           | YES     | YES     | YES     | YES     | YES        | YES        |
|                   | Separation distance (cm)    | 16      | 16      | 16      | 16      | 16         | 16         |
| Left Side         | exclusion threshold(mW)     | 1228.72 | 2029.05 | 2028.93 | 2107.39 | 2028.53    | 2035.52    |
|                   | Testing required?           | NO      | NO      | NO      | NO      | NO         | NO         |
|                   | Separation distance (cm)    | 13.5    | 13.5    | 13.5    | 13.5    | 13.5       | 13.5       |
| Right Side        | exclusion threshold(mW)     | 967.71  | 1484.02 | 1483.87 | 1586.42 | 1483.35    | 1492.37    |
|                   | Testing required?           | NO      | NO      | NO      | NO      | NO         | NO         |
|                   | Separation distance (cm)    | 0.5     | 0.5     | 0.5     | 0.5     | 0.5        | 0.5        |
| Top Side          | exclusion threshold(mW)     | 9.42    | 3.44    | 3.43    | 6.43    | 3.42       | 3.62       |
|                   | Testing required?           | YES     | YES     | YES     | YES     | YES        | YES        |
|                   | Separation distance (cm)    | 15      | 15      | 15      | 15      | 15         | 15         |
| Bottom Side       | exclusion threshold(mW)     | 1122.17 | 1801.72 | 1801.58 | 1891.90 | 1801.12    | 1809.13    |
|                   | Testing required?           | NO      | NO      | NO      | NO      | NO         | NO         |
|                   | Separation distance (cm)    | 15      | 15      | 15      | 15      | 15         | 15         |

| Exposure Position | Wireless Interface          | LTE Band 5 | LTE Band 7 | LTE Band 40 | LTE Band 41 | BT      | 2.4G WLAN | 5.2G WLAN | 5.3G WLAN | 5.6G WLAN | 5.8G WLAN |
|-------------------|-----------------------------|------------|------------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|
|                   | Calculated Frequency(GHz)   | 0.844      | 2.535      | 2.35        | 2.506       | 2.441   | 2.437     | 5.21      | 5.31      | 5.55      | 5.775     |
|                   | Maximum Turn-up power (dBm) | 20.5       | 20.5       | 23.5        | 20.5        | 1.5     | 19        | 15.5      | 15        | 15.5      | 15        |
|                   | Maximum rated power(mW)     | 112.20     | 112.20     | 223.87      | 112.20      | 1.41    | 79.43     | 35.48     | 31.62     | 35.48     | 31.62     |
|                   | Separation distance (cm)    | 0.5        | 0.5        | 0.5         | 0.5         | 0.5     | 0.5       | 0.5       | 0.5       | 0.5       | 0.5       |
| Back Side         | exclusion threshold(mW)     | 9.11       | 2.67       | 2.84        | 2.69        | 2.75    | 2.76      | 1.50      | 1.48      | 1.43      | 1.38      |
|                   | Testing required?           | YES        | YES        | YES         | YES         | NO      | YES       | YES       | YES       | YES       | YES       |
|                   | Separation distance (cm)    | 16         | 16         | 16          | 16          | 3.5     | 3.5       | 3.5       | 3.5       | 3.5       | 3.5       |
| Left Side         | exclusion threshold(mW)     | 1253.90    | 1998.32    | 2005.68     | 1999.44     | 111.29  | 111.36    | 83.53     | 82.93     | 81.56     | 80.34     |
|                   | Testing required?           | NO         | NO         | NO          | NO          | NO      | NO        | NO        | NO        | NO        | NO        |
|                   | Separation distance (cm)    | 13.5       | 13.5       | 13.5        | 13.5        | 6.5     | 6.5       | 6.5       | 6.5       | 6.5       | 6.5       |
| Right Side        | exclusion threshold(mW)     | 984.95     | 1444.66    | 1454.04     | 1446.08     | 361.11  | 361.25    | 300.11    | 298.72    | 295.51    | 292.66    |
|                   | Testing required?           | NO         | NO         | NO          | NO          | NO      | NO        | NO        | NO        | NO        | NO        |
|                   | Separation distance (cm)    | 0.5        | 0.5        | 0.5         | 0.5         | 0.5     | 0.5       | 0.5       | 0.5       | 0.5       | 0.5       |
| Top Side          | exclusion threshold(mW)     | 9.11       | 2.67       | 2.84        | 2.69        | 2.75    | 2.76      | 1.50      | 1.48      | 1.43      | 1.38      |
|                   | Testing required?           | YES        | YES        | YES         | YES         | NO      | YES       | YES       | YES       | YES       | YES       |
|                   | Separation distance (cm)    | 15         | 15         | 15          | 15          | 14      | 14        | 14        | 14        | 14        | 14        |
| Bottom Side       | exclusion threshold(mW)     | 1144.03    | 1766.62    | 1775.00     | 1767.89     | 1553.09 | 1553.29   | 1464.52   | 1462.37   | 1457.37   | 1452.89   |
|                   | Testing required?           | NO         | NO         | NO          | NO          | NO      | NO        | NO        | NO        | NO        | NO        |
|                   | Separation distance (cm)    | 15         | 15         | 15          | 15          | 14      | 14        | 14        | 14        | 14        | 14        |

### Note:

1. maximum power is the source-based time-average power and represents the maximum RF output power among production units.
2. Per KDB 447498 D04, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
3. Per KDB 447498 D04, if the maximum time-averaged power available does not exceed 1 mW. This stand-alone SAR exemption test.



4. Per KDB 447498 D04, the available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold  $P_{th}$  (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive).  $P_{th}$  is given by:

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

Where

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

and

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

$d$  = the separation distance (cm);

5. Per KDB 447498 D04, An alternative to the SAR-based exemption is using below table and the minimum separation distance ( $R$  in meters) from the body of a nearby person for the frequency ( $f$  in MHz) at which the source operates, the ERP (watts) is no more than the calculated value prescribed for that frequency. For the exemption in below table to apply,  $R$  must be at least  $\lambda/2\pi$ , where  $\lambda$  is the free-space operating wavelength in meters. If the ERP of a single RF source is not easily obtained, then the available maximum time-averaged power may be used in lieu of ERP if the physical dimensions of the radiating structure(s) do not exceed the electrical length of  $\lambda/4$  or if the antenna gain is less than that of a half-wave dipole (1.64 linear value).

| RF Source frequency (MHz) | Threshold ERP(watts) |
|---------------------------|----------------------|
| 0.3-1.34                  | $1,920 R^2$ .        |
| 1.34-30                   | $3,450 R^2/f^2$ .    |
| 30-300                    | $3.83 R^2$ .         |
| 300-1,500                 | $0.0128 R^2 f$ .     |
| 1,500-100,000             | $19.2 R^2$ .         |



6. Per KDB 248227 D01, choose the highest output power channel to test SAR and determine further SAR exclusion 8. for each frequency band, testing at higher data rates and higher order modulations is not required when the maximum average output power for each of each of these configurations is less than 1/4db higher than those measured at the lower data rate than 11b mode, thus the SAR can be excluded.
7. Per KDB 616217 D04, SAR evaluation for the front surface of tablet display screens are generally not necessary.
8. Per KDB 248227, as maximum rated power for U-NII-2A > U-NII-1, U-NII-2A was chosen for SAR evaluation. Based on the measurements obtained, SAR measurements on U-NII-1 are not required as highest reported SAR from U-NII-2A band is  $\leq 1.2\text{W/Kg}$ .

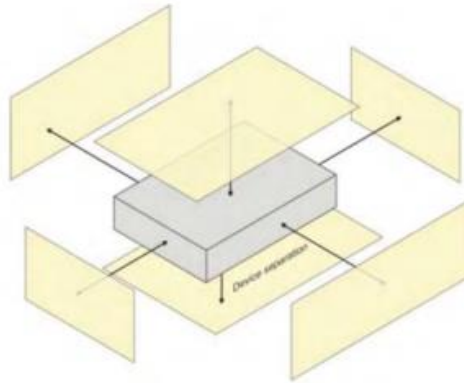
## 8. EUT Test Position

This EUT was tested in Back Side and Top Side

### 8.1 Body-worn Position Conditions:

Body-worn Position Conditions:

Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB Publication 447498 D04 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. When the same wireless transmission configuration is used for testing body-worn accessory and hotspot mode SAR, respectively, in voice and data mode, SAR results for the most conservative *test separation distance* configuration may be used to support both SAR conditions. When the *reported* SAR for a body-worn accessory, measured without a headset connected to the handset, is  $> 1.2 \text{ W/kg}$ , the highest *reported* SAR configuration for that wireless mode and frequency band should be repeated for the body-worn accessory with a headset attached to the handset.





## 9. Uncertainty

### 9.1 Measurement Uncertainty

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

| SATIMO Uncertainty- SN 08/21 EPG0352                                              |       |               |                |      |         |          |                 |                  |    |
|-----------------------------------------------------------------------------------|-------|---------------|----------------|------|---------|----------|-----------------|------------------|----|
| Measurement uncertainty for DUT averaged over 1 gram / 10 gram.                   |       |               |                |      |         |          |                 |                  |    |
| Uncertainty Component                                                             | Sec.  | Tol<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-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>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—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—shape, thickness, and permittivity                      | E.3.1 | 3.70          | R              | 1.73 | 1.00    | 1.00     | 2.14            | 2.14             | ∞  |
| Uncertainty in SAR correction for deviations in permittivity and conductivity     | E.3.2 | 1.90          | N              | 1.00 | 1.00    | 0.84     | 1.90            | 1.60             | ∞  |
| Liquid conductivity measurement                                                   | E.3.3 | 2.40          | R              | 1.73 | 0.78    | 0.71     | 1.08            | 0.98             | M  |
| Liquid permittivity measurement                                                   | E.3.3 | 4.10          | N              | 1.00 | 0.78    | 0.71     | 3.20            | 2.91             | M  |
| Liquid conductivity—temperature uncertainty                                       | E.3.4 | 2.70          | R              | 1.73 | 0.23    | 0.26     | 0.36            | 0.41             | ∞  |
| Liquid permittivity—temperature uncertainty                                       | E.3.4 | 4.80          | N              | 1.00 | 0.23    | 0.26     | 1.10            | 1.25             | ∞  |
| Combined Standard Uncertainty                                                     |       |               | RSS            |      |         |          | 10.08           | 9.59             |    |
| Expanded Uncertainty (95% Confidence interval)                                    |       |               | K=2            |      |         |          | 19.58           | 19.18            |    |



| SATIMO Uncertainty- SN 08/21 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 (+-<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 | 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-<br>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>System validation source</b>                                                         |         |                |                |      |         |          |                 |                 |    |
| Deviation of experimental<br>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<br>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—<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>( temperature uncertainty )                                      | E.3.3   | 2.40           | R              | 1.73 | 0.78    | 0.71     | 1.08            | 0.98            | ∞  |
| Liquid conductivity<br>( measured )                                                     | E.3.3   | 4.10           | N              | 1.00 | 0.78    | 0.71     | 3.20            | 2.91            | M  |
| Liquid permittivity<br>( temperature uncertainty )                                      | E.3.4   | 2.70           | R              | 1.73 | 0.23    | 0.26     | 0.36            | 0.41            | ∞  |
| Liquid permittivity<br>( measured )                                                     | E.3.4   | 4.80           | N              | 1.00 | 0.23    | 0.26     | 1.10            | 1.25            | M  |
| Combined Standard<br>Uncertainty                                                        |         |                | RSS            |      |         |          | 9.72            | 9.52            |    |
| Expanded Uncertainty<br>(95% Confidence interval)                                       |         |                | K=2            |      |         |          | 19.44           | 19.03           |    |



| SATIMO Uncertainty- SN 08/21 EPG0352                                              |         |       |             |      |         |          |             |              |    |
|-----------------------------------------------------------------------------------|---------|-------|-------------|------|---------|----------|-------------|--------------|----|
| 。 System Check uncertainty for DUT averaged over 1 gram / 10 gram.                |         |       |             |      |         |          |             |              |    |
| Uncertainty Component                                                             | Sec.    | Tol   | Prob. Dist. | Div. | Ci (1g) | Ci (10g) | 1g Ui (+-%) | 10g Ui (+-%) | vi |
|                                                                                   |         | (+-%) |             |      |         |          |             |              |    |
| <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-Noise                                                       | E.6.1   | 3.51  | R           | 1.73 | 0.00    | 0.00     | 0.00        | 0.00         | ∞  |
| RF ambient conditions-reflections                                                 | E.6.1   | 3.15  | R           | 1.73 | 0.00    | 0.00     | 0.00        | 0.00         | ∞  |
| Probe positioner mechanical tolerance                                             | E.6.2   | 1.2   | R           | 1.73 | 1.00    | 1.00     | 0.69        | 0.69         | ∞  |
| Probe positioning with respect to phantom shell                                   | E.6.3   | 1.4   | R           | 1.73 | 1.00    | 1.00     | 0.81        | 0.81         | ∞  |
| Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation | E.5     | 3.9   | R           | 1.73 | 0.00    | 0.00     | 0.00        | 0.00         | ∞  |
| <b>System check source (dipole)</b>                                               |         |       |             |      |         |          |             |              |    |
| Deviation of experimental dipoles                                                 | E.6.4   | 4.8   | N           | 1.00 | 1.00    | 1.00     | 4.80        | 4.80         | ∞  |
| Input power and SAR drift measurement                                             | 8,6.6.4 | 5.1   | R           | 1.73 | 1.00    | 1.00     | 2.94        | 2.94         | ∞  |
| Dipole axis to liquid distance                                                    | 8,E.6.6 | 2.4   | R           | 1.73 | 1.00    | 1.00     | 1.39        | 1.39         | ∞  |
| <b>Phantom and tissue parameters</b>                                              |         |       |             |      |         |          |             |              |    |
| Phantom shell uncertainty—shape, thickness, and permittivity                      | E.3.1   | 3.7   | R           | 1.73 | 1.00    | 1.00     | 2.14        | 2.14         | ∞  |
| Uncertainty in SAR correction for deviations in permittivity and conductivity     | E.3.2   | 1.9   | N           | 1.00 | 1.00    | 0.84     | 1.90        | 1.60         | ∞  |
| Liquid conductivity measurement                                                   | E.3.3   | 2.4   | R           | 1.73 | 0.78    | 0.71     | 1.08        | 0.98         | ∞  |
| Liquid permittivity measurement                                                   | E.3.3   | 4.1   | N           | 1.00 | 0.78    | 0.71     | 3.20        | 2.91         | M  |
| Liquid conductivity—temperature uncertainty                                       | E.3.4   | 2.7   | R           | 1.73 | 0.23    | 0.26     | 0.36        | 0.41         | ∞  |
| Liquid permittivity—temperature uncertainty                                       | E.3.4   | 4.8   | N           | 1.00 | 0.23    | 0.26     | 1.10        | 1.25         | M  |
| Combined Standard Uncertainty                                                     |         |       | RSS         |      |         |          | 5.56        | 5.20         |    |
| Expanded Uncertainty (95% Confidence interval)                                    |         |       | K=2         |      |         |          | 11.12       | 10.41        |    |



## 10. Conducted Power Measurement

### 10.1 Test Result

| 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)                                                                                                                                                                                                                                                                     | 29.46   | 29.27 | 29.10 | 28.26    | 27.29  | 26.89  |
| GPRS (GMSK, 1-Slot)                                                                                                                                                                                                                                                                   | 29.39   | 29.24 | 29.04 | 28.22    | 27.24  | 26.83  |
| GPRS (GMSK, 2-Slot)                                                                                                                                                                                                                                                                   | 28.56   | 28.48 | 28.26 | 27.50    | 26.54  | 26.09  |
| GPRS (GMSK, 3-Slot)                                                                                                                                                                                                                                                                   | 28.55   | 28.46 | 28.25 | 25.86    | 24.88  | 24.42  |
| GPRS (GMSK, 4-Slot)                                                                                                                                                                                                                                                                   | 28.55   | 28.45 | 28.24 | 24.82    | 23.85  | 23.36  |
| EGPRS(8PSK, 1-Slot)                                                                                                                                                                                                                                                                   | 23.59   | 23.71 | 23.39 | 24.36    | 23.23  | 22.53  |
| EGPRS(8PSK, 2-Slot)                                                                                                                                                                                                                                                                   | 22.50   | 22.69 | 22.35 | 23.36    | 22.24  | 21.64  |
| EGPRS(8PSK, 3-Slot)                                                                                                                                                                                                                                                                   | 20.63   | 20.83 | 20.53 | 21.30    | 20.15  | 19.53  |
| EGPRS(8PSK, 4-Slot)                                                                                                                                                                                                                                                                   | 19.61   | 19.75 | 19.40 | 20.04    | 18.97  | 18.31  |
| 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20.43   | 20.24 | 20.07 | 19.23    | 18.26  | 17.86  |
| GPRS (GMSK, 1-Slot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 20.36   | 20.21 | 20.01 | 19.19    | 18.21  | 17.80  |
| GPRS (GMSK, 2-Slot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 22.54   | 22.46 | 22.24 | 21.48    | 20.52  | 20.07  |
| GPRS (GMSK, 3-Slot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 24.29   | 24.20 | 23.99 | 21.60    | 20.62  | 20.16  |
| GPRS (GMSK, 4-Slot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 25.54   | 25.44 | 25.23 | 21.81    | 20.84  | 20.35  |
| EGPRS(8PSK, 1-Slot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 14.56   | 14.68 | 14.36 | 15.33    | 14.20  | 13.50  |
| EGPRS(8PSK, 2-Slot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 16.48   | 16.67 | 16.33 | 17.34    | 16.22  | 15.62  |
| EGPRS(8PSK, 3-Slot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 16.37   | 16.57 | 16.27 | 17.04    | 15.89  | 15.27  |
| EGPRS(8PSK, 4-Slot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 16.60   | 16.74 | 16.39 | 17.03    | 15.96  | 15.30  |
| 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    | 20.53        | 19.60 | 19.42  | 18.66        | 18.86 | 19.65 |
| HSDPA Subtest-1 | 19.63        | 18.65 | 18.41  | 17.65        | 17.89 | 18.66 |
| HSDPA Subtest-2 | 19.08        | 18.17 | 17.91  | 17.16        | 17.32 | 18.18 |
| HSDPA Subtest-3 | 19.13        | 18.17 | 17.91  | 17.20        | 17.33 | 18.13 |
| HSDPA Subtest-4 | 19.12        | 18.15 | 17.88  | 17.16        | 17.39 | 18.21 |
| HSUPA Subtest-1 | 17.97        | 17.02 | 16.81  | 16.10        | 15.91 | 17.08 |
| HSUPA Subtest-2 | 17.56        | 16.59 | 16.36  | 15.69        | 15.89 | 16.68 |
| HSUPA Subtest-3 | 18.55        | 17.59 | 17.35  | 16.71        | 16.91 | 17.71 |
| HSUPA Subtest-4 | 17.13        | 16.15 | 15.95  | 15.21        | 15.43 | 16.22 |
| HSUPA Subtest-5 | 17.45        | 17.63 | 17.40  | 17.66        | 16.92 | 17.70 |

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.

**2.4G WLAN**

| 2.4GWIFI      |                |                 |            |                   |
|---------------|----------------|-----------------|------------|-------------------|
| Mode          | Channel Number | Frequency (MHz) | EIRP [dBm] | Output Power (mW) |
| 802.11b       | 1              | 2412            | 18.55      | 71.61             |
|               | 7              | 2437            | 18.79      | 75.68             |
|               | 11             | 2462            | 18.71      | 74.30             |
| 802.11g       | 1              | 2412            | 16.22      | 41.88             |
|               | 7              | 2437            | 16.66      | 46.34             |
|               | 11             | 2462            | 16.67      | 46.45             |
| 802.11 n-HT20 | 1              | 2412            | 16.46      | 44.26             |
|               | 7              | 2437            | 16.78      | 47.64             |
|               | 11             | 2462            | 16.51      | 44.77             |
| 802.11 n-HT40 | 3              | 2422            | 16.43      | 43.95             |
|               | 6              | 2437            | 16.22      | 41.88             |
|               | 9              | 2452            | 16.01      | 39.90             |

**Bluetooth**

| BT                   |                |                 |                     |                   |
|----------------------|----------------|-----------------|---------------------|-------------------|
| Mode                 | Channel Number | Frequency (MHz) | Average Power (dBm) | Output Power (mW) |
| GFSK(1Mbps)          | 0              | 2402            | 0.864               | 1.22              |
|                      | 39             | 2441            | 0.864               | 1.22              |
|                      | 78             | 2480            | 0.864               | 1.22              |
| $\pi/4$ -QPSK(2Mbps) | 0              | 2402            | 1.26                | 1.34              |
|                      | 39             | 2441            | 1.26                | 1.34              |
|                      | 78             | 2480            | 1.26                | 1.34              |
| 8DPSK(3Mbps)         | 0              | 2402            | 1.257               | 1.34              |
|                      | 39             | 2441            | 1.263               | 1.34              |
|                      | 78             | 2480            | 1.26                | 1.34              |

**BLE**

| BLE         |                |                 |                     |                   |
|-------------|----------------|-----------------|---------------------|-------------------|
| Mode        | Channel Number | Frequency (MHz) | Average Power (dBm) | Output Power (mW) |
| GFSK(1Mbps) | 0              | 2402            | 0.664               | 1.17              |
|             | 19             | 2440            | 0.664               | 1.17              |
|             | 39             | 2480            | 0.66                | 1.16              |

**WLAN (5.2Gband)**

| 5.2G WLAN      |                |                 |            |                   |
|----------------|----------------|-----------------|------------|-------------------|
| Mode           | Channel Number | Frequency (MHz) | EIRP [dBm] | Output Power (mW) |
| 802.11a        | 36             | 5180            | 13.81      | 24.04             |
|                | 40             | 5200            | 14.08      | 25.59             |
|                | 48             | 5240            | 14.23      | 26.49             |
| 802.11 n-HT20  | 36             | 5180            | 13.64      | 23.12             |
|                | 40             | 5200            | 14.09      | 25.64             |
|                | 48             | 5240            | 14.17      | 26.12             |
| 802.11 n-HT40  | 38             | 5190            | 13.99      | 25.06             |
|                | 46             | 5230            | 14.38      | 27.42             |
| 802.11ac-VHT20 | 36             | 5180            | 13.45      | 22.13             |
|                | 40             | 5200            | 13.71      | 23.50             |
|                | 48             | 5240            | 13.85      | 24.27             |
| 802.11ac-VHT40 | 38             | 5190            | 14.99      | 31.55             |
|                | 46             | 5230            | 14.88      | 30.76             |
| 802.11ac-VHT80 | 42             | 5210            | 15.05      | 31.99             |

**WLAN (5.3Gband)**

| 5.3G WLAN      |                |                 |            |                   |
|----------------|----------------|-----------------|------------|-------------------|
| Mode           | Channel Number | Frequency (MHz) | EIRP [dBm] | Output Power (mW) |
| 802.11a        | 52             | 5260            | 14.08      | 25.59             |
|                | 60             | 5300            | 14.24      | 26.55             |
|                | 64             | 5320            | 14.48      | 28.05             |
| 802.11 n-HT20  | 52             | 5260            | 14.05      | 25.41             |
|                | 60             | 5300            | 14.31      | 26.98             |
|                | 64             | 5320            | 14.27      | 26.73             |
| 802.11 n-HT40  | 54             | 5270            | 14.14      | 25.94             |
|                | 62             | 5310            | 14.41      | 27.61             |
| 802.11ac-VHT20 | 52             | 5260            | 13.85      | 24.27             |
|                | 60             | 5300            | 14.17      | 26.12             |
|                | 64             | 5320            | 14.19      | 26.24             |
| 802.11ac-VHT40 | 54             | 5270            | 14.42      | 27.67             |
|                | 62             | 5310            | 14.66      | 29.24             |
| 802.11ac-VHT80 | 58             | 5290            | 14.44      | 27.80             |

**WLAN (5.6Gband)**

| 5.6G WLAN      |                |                 |            |                   |
|----------------|----------------|-----------------|------------|-------------------|
| Mode           | Channel Number | Frequency (MHz) | EIRP [dBm] | Output Power (mW) |
| 802.11a        | 100            | 5500            | 14.75      | 29.85             |
|                | 116            | 5580            | 14.87      | 30.69             |
|                | 140            | 5700            | 13.95      | 24.83             |
| 802.11 n-HT20  | 100            | 5500            | 14.55      | 28.51             |
|                | 116            | 5580            | 14.39      | 27.48             |
|                | 140            | 5700            | 14.10      | 25.70             |
| 802.11 n-HT40  | 102            | 5510            | 14.51      | 28.25             |
|                | 110            | 5550            | 14.78      | 30.06             |
|                | 134            | 5670            | 14.28      | 26.79             |
| 802.11ac-VHT20 | 100            | 5500            | 14.48      | 28.05             |
|                | 116            | 5580            | 14.40      | 27.54             |
|                | 140            | 5700            | 13.95      | 24.83             |
| 802.11ac-VHT40 | 102            | 5510            | 14.95      | 31.26             |
|                | 110            | 5550            | 15.00      | 31.62             |
|                | 134            | 5670            | 14.37      | 27.35             |
| 802.11ac-VHT80 | 106            | 5530            | 14.56      | 28.58             |
|                | 122            | 5610            | 14.74      | 29.79             |

**WLAN (5.8Gband)**

| 5.8G WLAN      |                |                 |            |                   |
|----------------|----------------|-----------------|------------|-------------------|
| Mode           | Channel Number | Frequency (MHz) | EIRP [dBm] | Output Power (mW) |
| 802.11a        | 149            | 5745            | 14.14      | 25.94             |
|                | 157            | 5785            | 14.38      | 27.42             |
|                | 165            | 5825            | 13.76      | 23.77             |
| 802.11 n-HT20  | 149            | 5745            | 14.13      | 25.88             |
|                | 157            | 5785            | 14.09      | 25.64             |
|                | 165            | 5825            | 13.69      | 23.39             |
| 802.11 n-HT40  | 151            | 5755            | 14.08      | 25.59             |
|                | 159            | 5795            | 13.70      | 23.44             |
| 802.11ac-VHT20 | 149            | 5745            | 14.05      | 25.41             |
|                | 157            | 5785            | 13.91      | 24.60             |
|                | 165            | 5825            | 13.40      | 21.88             |
| 802.11ac-VHT40 | 151            | 5755            | 14.23      | 26.49             |
|                | 159            | 5795            | 14.13      | 25.88             |
| 802.11ac-VHT80 | 155            | 5775            | 14.97      | 31.41             |



## 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  $>$  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  $>$  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.



| LTE Band 2 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 1.4                                    | 1       | 0         | QPSK   | 20.86  | 19.67  | 19.57   |
| 1.4                                    | 1       | 2         |        | 20.95  | 19.85  | 19.65   |
| 1.4                                    | 1       | 5         |        | 20.8   | 19.7   | 19.55   |
| 1.4                                    | 3       | 0         |        | 20.88  | 19.87  | 19.74   |
| 1.4                                    | 3       | 1         |        | 20.89  | 19.87  | 19.71   |
| 1.4                                    | 3       | 2         |        | 20.9   | 19.88  | 19.69   |
| 1.4                                    | 6       | 0         |        | 19.8   | 18.78  | 18.64   |
| 1.4                                    | 1       | 0         | 16-QAM | 19.66  | 18.7   | 18.52   |
| 1.4                                    | 1       | 2         |        | 19.79  | 18.86  | 18.67   |
| 1.4                                    | 1       | 5         |        | 19.61  | 18.69  | 18.54   |
| 1.4                                    | 3       | 0         |        | 19.72  | 18.67  | 18.51   |
| 1.4                                    | 3       | 1         |        | 19.72  | 18.62  | 18.5    |
| 1.4                                    | 3       | 2         |        | 19.71  | 18.66  | 18.48   |
| 1.4                                    | 6       | 0         |        | 18.69  | 17.85  | 17.68   |
| 3                                      | 1       | 0         | QPSK   | 20.93  | 19.88  | 19.67   |
| 3                                      | 1       | 7         |        | 20.85  | 19.9   | 19.69   |
| 3                                      | 1       | 14        |        | 20.85  | 19.87  | 19.68   |
| 3                                      | 8       | 0         |        | 19.88  | 18.85  | 18.71   |
| 3                                      | 8       | 4         |        | 19.87  | 18.88  | 18.72   |
| 3                                      | 8       | 7         |        | 19.86  | 18.88  | 18.7    |
| 3                                      | 15      | 0         |        | 19.84  | 18.85  | 18.68   |
| 3                                      | 1       | 0         | 16-QAM | 19.61  | 18.91  | 18.75   |
| 3                                      | 1       | 7         |        | 19.67  | 18.9   | 18.74   |
| 3                                      | 1       | 14        |        | 19.67  | 18.94  | 18.75   |
| 3                                      | 8       | 0         |        | 18.92  | 17.87  | 17.76   |
| 3                                      | 8       | 4         |        | 18.87  | 17.89  | 17.74   |
| 3                                      | 8       | 7         |        | 18.9   | 17.85  | 17.77   |
| 3                                      | 15      | 0         |        | 18.82  | 17.86  | 17.69   |



| LTE Band 2 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                      | 1       | 0         | QPSK   | 20.74  | 19.69  | 19.64   |
| 5                                      | 1       | 12        |        | 20.84  | 19.77  | 19.77   |
| 5                                      | 1       | 24        |        | 20.65  | 19.69  | 19.66   |
| 5                                      | 12      | 0         |        | 19.78  | 18.81  | 18.69   |
| 5                                      | 12      | 6         |        | 19.78  | 18.83  | 18.71   |
| 5                                      | 12      | 11        |        | 19.73  | 18.71  | 18.65   |
| 5                                      | 25      | 0         |        | 19.74  | 18.81  | 18.64   |
| 5                                      | 1       | 0         | 16-QAM | 19.69  | 18.82  | 18.58   |
| 5                                      | 1       | 12        |        | 19.75  | 18.92  | 18.69   |
| 5                                      | 1       | 24        |        | 19.57  | 18.78  | 18.58   |
| 5                                      | 12      | 0         |        | 18.74  | 17.79  | 17.63   |
| 5                                      | 12      | 6         |        | 18.76  | 17.84  | 17.65   |
| 5                                      | 12      | 11        |        | 18.65  | 17.84  | 17.6    |
| 5                                      | 25      | 0         |        | 18.82  | 17.79  | 17.69   |
| 10                                     | 1       | 0         | QPSK   | 20.79  | 19.79  | 19.59   |
| 10                                     | 1       | 24        |        | 20.82  | 19.83  | 19.74   |
| 10                                     | 1       | 49        |        | 20.45  | 19.77  | 19.57   |
| 10                                     | 25      | 0         |        | 19.84  | 18.96  | 18.75   |
| 10                                     | 25      | 12        |        | 19.83  | 18.91  | 18.75   |
| 10                                     | 25      | 24        |        | 19.66  | 18.84  | 18.62   |
| 10                                     | 50      | 0         |        | 19.75  | 18.83  | 18.71   |
| 10                                     | 1       | 0         | 16-QAM | 19.84  | 18.7   | 18.6    |
| 10                                     | 1       | 24        |        | 19.82  | 18.68  | 18.78   |
| 10                                     | 1       | 49        |        | 19.48  | 18.68  | 18.65   |
| 10                                     | 25      | 0         |        | 18.85  | 17.96  | 17.78   |
| 10                                     | 25      | 12        |        | 18.88  | 17.99  | 17.76   |
| 10                                     | 25      | 24        |        | 18.67  | 17.84  | 17.64   |
| 10                                     | 50      | 0         |        | 18.73  | 17.96  | 17.71   |



| LTE Band 2 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 15                                     | 1       | 0         | QPSK   | 20.69  | 19.66  | 19.62   |
| 15                                     | 1       | 37        |        | 20.55  | 19.74  | 19.61   |
| 15                                     | 1       | 74        |        | 19.97  | 19.5   | 19.38   |
| 15                                     | 36      | 0         |        | 19.56  | 18.79  | 18.56   |
| 15                                     | 36      | 18        |        | 19.62  | 18.76  | 18.6    |
| 15                                     | 36      | 39        |        | 19.57  | 18.78  | 18.58   |
| 15                                     | 75      | 0         |        | 19.56  | 18.8   | 18.57   |
| 15                                     | 1       | 0         | 16-QAM | 19.77  | 18.8   | 18.67   |
| 15                                     | 1       | 38        |        | 19.62  | 18.89  | 18.62   |
| 15                                     | 1       | 75        |        | 18.98  | 18.66  | 18.39   |
| 15                                     | 36      | 0         |        | 19.54  | 18.81  | 18.62   |
| 15                                     | 36      | 18        |        | 19.57  | 18.8   | 18.56   |
| 15                                     | 36      | 39        |        | 19.57  | 18.76  | 18.6    |
| 15                                     | 75      | 0         |        | 18.54  | 17.81  | 17.56   |
| 20                                     | 1       | 0         | QPSK   | 20.61  | 19.65  | 19.56   |
| 20                                     | 1       | 49        |        | 20.51  | 19.94  | 19.67   |
| 20                                     | 1       | 99        |        | 19.64  | 19.48  | 19.26   |
| 20                                     | 50      | 0         |        | 19.67  | 18.92  | 18.66   |
| 20                                     | 50      | 24        |        | 19.67  | 18.92  | 18.67   |
| 20                                     | 50      | 49        |        | 19.22  | 18.72  | 18.43   |
| 20                                     | 100     | 0         |        | 19.45  | 18.86  | 18.58   |
| 20                                     | 1       | 0         | 16-QAM | 19.5   | 18.79  | 18.52   |
| 20                                     | 1       | 49        |        | 19.54  | 19.09  | 18.64   |
| 20                                     | 1       | 99        |        | 18.57  | 18.63  | 18.18   |
| 20                                     | 50      | 0         |        | 18.67  | 18.01  | 17.67   |
| 20                                     | 50      | 24        |        | 18.72  | 17.96  | 17.71   |
| 20                                     | 50      | 49        |        | 18.25  | 17.79  | 17.5    |
| 20                                     | 100     | 0         |        | 18.5   | 17.85  | 17.62   |



| LTE Band 4 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 1.4                                    | 1       | 0         | QPSK   | 20.68  | 20.15  | 19.56   |
| 1.4                                    | 1       | 2         |        | 20.81  | 20.32  | 19.69   |
| 1.4                                    | 1       | 5         |        | 20.62  | 20.16  | 19.54   |
| 1.4                                    | 3       | 0         |        | 20.6   | 20.2   | 19.71   |
| 1.4                                    | 3       | 1         |        | 20.57  | 20.22  | 19.75   |
| 1.4                                    | 3       | 2         |        | 20.59  | 20.25  | 19.72   |
| 1.4                                    | 6       | 0         |        | 19.64  | 19.29  | 18.61   |
| 1.4                                    | 1       | 0         | 16-QAM | 19.35  | 19.07  | 18.47   |
| 1.4                                    | 1       | 2         |        | 19.42  | 19.22  | 18.62   |
| 1.4                                    | 1       | 5         |        | 19.28  | 19.03  | 18.47   |
| 1.4                                    | 3       | 0         |        | 19.38  | 19.05  | 18.52   |
| 1.4                                    | 3       | 1         |        | 19.39  | 19.07  | 18.52   |
| 1.4                                    | 3       | 2         |        | 19.36  | 19.02  | 18.49   |
| 1.4                                    | 6       | 0         |        | 18.4   | 18.2   | 17.64   |
| 3                                      | 1       | 0         | QPSK   | 20.71  | 20.27  | 19.76   |
| 3                                      | 1       | 7         |        | 20.57  | 20.33  | 19.72   |
| 3                                      | 1       | 14        |        | 20.54  | 20.33  | 19.68   |
| 3                                      | 8       | 0         |        | 19.71  | 19.31  | 18.81   |
| 3                                      | 8       | 4         |        | 19.72  | 19.34  | 18.75   |
| 3                                      | 8       | 7         |        | 19.68  | 19.32  | 18.78   |
| 3                                      | 15      | 0         |        | 19.59  | 19.31  | 18.72   |
| 3                                      | 1       | 0         | 16-QAM | 19.36  | 19.32  | 18.8    |
| 3                                      | 1       | 7         |        | 19.29  | 19.35  | 18.7    |
| 3                                      | 1       | 14        |        | 19.28  | 19.33  | 18.72   |
| 3                                      | 8       | 0         |        | 18.6   | 18.31  | 17.83   |
| 3                                      | 8       | 4         |        | 18.64  | 18.32  | 17.8    |
| 3                                      | 8       | 7         |        | 18.56  | 18.35  | 17.78   |
| 3                                      | 15      | 0         |        | 18.43  | 18.31  | 17.76   |



| LTE Band 4 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                      | 1       | 0         | QPSK   | 20.55  | 20.12  | 19.75   |
| 5                                      | 1       | 12        |        | 20.55  | 20.28  | 19.79   |
| 5                                      | 1       | 24        |        | 20.34  | 20.13  | 19.56   |
| 5                                      | 12      | 0         |        | 19.46  | 19.24  | 18.71   |
| 5                                      | 12      | 6         |        | 19.45  | 19.21  | 18.73   |
| 5                                      | 12      | 11        |        | 19.32  | 19.2   | 18.66   |
| 5                                      | 25      | 0         |        | 19.4   | 19.21  | 18.7    |
| 5                                      | 1       | 0         | 16-QAM | 19.41  | 19.19  | 18.72   |
| 5                                      | 1       | 12        |        | 19.41  | 19.31  | 18.7    |
| 5                                      | 1       | 24        |        | 19.19  | 19.25  | 18.57   |
| 5                                      | 12      | 0         |        | 18.39  | 18.24  | 17.68   |
| 5                                      | 12      | 6         |        | 18.4   | 18.26  | 17.66   |
| 5                                      | 12      | 11        |        | 18.29  | 18.27  | 17.61   |
| 5                                      | 25      | 0         |        | 18.37  | 18.25  | 17.72   |
| 10                                     | 1       | 0         | QPSK   | 20.57  | 20.18  | 20.05   |
| 10                                     | 1       | 24        |        | 20.55  | 20.31  | 19.98   |
| 10                                     | 1       | 49        |        | 20.12  | 20.27  | 19.57   |
| 10                                     | 25      | 0         |        | 19.55  | 19.35  | 18.9    |
| 10                                     | 25      | 12        |        | 19.58  | 19.32  | 18.96   |
| 10                                     | 25      | 24        |        | 19.26  | 19.34  | 18.78   |
| 10                                     | 50      | 0         |        | 19.39  | 19.34  | 18.82   |
| 10                                     | 1       | 0         | 16-QAM | 19.46  | 18.99  | 19.07   |
| 10                                     | 1       | 24        |        | 19.45  | 19.14  | 18.92   |
| 10                                     | 1       | 49        |        | 19.15  | 19.08  | 18.62   |
| 10                                     | 25      | 0         |        | 18.47  | 18.35  | 17.92   |
| 10                                     | 25      | 12        |        | 18.49  | 18.38  | 17.91   |
| 10                                     | 25      | 24        |        | 18.23  | 18.33  | 17.8    |
| 10                                     | 50      | 0         |        | 18.34  | 18.36  | 17.87   |



| LTE Band 4 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 15                                     | 1       | 0         | QPSK   | 20.41  | 19.93  | 20.14   |
| 15                                     | 1       | 37        |        | 20.25  | 20.16  | 19.95   |
| 15                                     | 1       | 74        |        | 19.89  | 20.01  | 19.42   |
| 15                                     | 36      | 0         |        | 19.37  | 19.28  | 18.9    |
| 15                                     | 36      | 18        |        | 19.33  | 19.34  | 18.91   |
| 15                                     | 36      | 39        |        | 19.37  | 19.33  | 18.91   |
| 15                                     | 75      | 0         |        | 19.39  | 19.32  | 18.91   |
| 15                                     | 1       | 0         | 16-QAM | 19.31  | 19.11  | 19.14   |
| 15                                     | 1       | 38        |        | 19.23  | 19.27  | 19      |
| 15                                     | 1       | 75        |        | 18.94  | 19.12  | 18.43   |
| 15                                     | 36      | 0         |        | 19.34  | 19.28  | 18.91   |
| 15                                     | 36      | 18        |        | 19.36  | 19.3   | 18.91   |
| 15                                     | 36      | 39        |        | 19.36  | 19.3   | 18.92   |
| 15                                     | 75      | 0         |        | 18.26  | 18.26  | 17.86   |
| 20                                     | 1       | 0         | QPSK   | 20.37  | 19.94  | 20.06   |
| 20                                     | 1       | 49        |        | 20.29  | 20.42  | 20.11   |
| 20                                     | 1       | 99        |        | 19.9   | 19.92  | 19.25   |
| 20                                     | 50      | 0         |        | 19.49  | 19.31  | 19.17   |
| 20                                     | 50      | 24        |        | 19.46  | 19.33  | 19.15   |
| 20                                     | 50      | 49        |        | 19.06  | 19.33  | 18.95   |
| 20                                     | 100     | 0         |        | 19.31  | 19.34  | 19.05   |
| 20                                     | 1       | 0         | 16-QAM | 19.12  | 18.97  | 18.9    |
| 20                                     | 1       | 49        |        | 19.17  | 19.38  | 18.99   |
| 20                                     | 1       | 99        |        | 18.78  | 19.09  | 18.12   |
| 20                                     | 50      | 0         |        | 18.46  | 18.34  | 18.24   |
| 20                                     | 50      | 24        |        | 18.49  | 18.36  | 18.22   |
| 20                                     | 50      | 49        |        | 18.06  | 18.38  | 18.04   |
| 20                                     | 100     | 0         |        | 18.27  | 18.33  | 18.06   |



| LTE Band 5 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 1.4                                    | 1       | 0         | QPSK   | 19.04  | 19.26  | 20.12   |
| 1.4                                    | 1       | 2         |        | 19.16  | 19.35  | 20.26   |
| 1.4                                    | 1       | 5         |        | 18.99  | 19.32  | 20.2    |
| 1.4                                    | 3       | 0         |        | 19.17  | 19.27  | 20.15   |
| 1.4                                    | 3       | 1         |        | 19.12  | 19.24  | 20.13   |
| 1.4                                    | 3       | 2         |        | 19.08  | 19.29  | 20.18   |
| 1.4                                    | 6       | 0         |        | 18.2   | 18.4   | 19.39   |
| 1.4                                    | 1       | 0         | 16-QAM | 17.98  | 18.03  | 18.86   |
| 1.4                                    | 1       | 2         |        | 18.14  | 18.18  | 19.12   |
| 1.4                                    | 1       | 5         |        | 18.01  | 18.09  | 18.92   |
| 1.4                                    | 3       | 0         |        | 17.94  | 18.08  | 18.92   |
| 1.4                                    | 3       | 1         |        | 17.93  | 18.09  | 18.91   |
| 1.4                                    | 3       | 2         |        | 17.92  | 18.2   | 18.93   |
| 1.4                                    | 6       | 0         |        | 17.13  | 17.2   | 18.21   |
| 3                                      | 1       | 0         | QPSK   | 19.19  | 19.26  | 20.21   |
| 3                                      | 1       | 7         |        | 19.15  | 19.31  | 20.36   |
| 3                                      | 1       | 14        |        | 19.15  | 19.42  | 20.5    |
| 3                                      | 8       | 0         |        | 18.21  | 18.33  | 19.25   |
| 3                                      | 8       | 4         |        | 18.18  | 18.36  | 19.26   |
| 3                                      | 8       | 7         |        | 18.18  | 18.42  | 19.36   |
| 3                                      | 15      | 0         |        | 18.14  | 18.38  | 19.26   |
| 3                                      | 1       | 0         | 16-QAM | 17.95  | 18.3   | 18.99   |
| 3                                      | 1       | 7         |        | 18     | 18.33  | 19.05   |
| 3                                      | 1       | 14        |        | 17.98  | 18.42  | 19.07   |
| 3                                      | 8       | 0         |        | 17.14  | 17.35  | 18.17   |
| 3                                      | 8       | 4         |        | 17.13  | 17.34  | 18.19   |
| 3                                      | 8       | 7         |        | 17.17  | 17.36  | 18.21   |
| 3                                      | 15      | 0         |        | 17.03  | 17.32  | 18.11   |



| LTE Band 5 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                      | 1       | 0         | QPSK   | 19.03  | 19.12  | 19.82   |
| 5                                      | 1       | 12        |        | 19.14  | 19.29  | 20.11   |
| 5                                      | 1       | 24        |        | 19.02  | 19.28  | 20.23   |
| 5                                      | 12      | 0         |        | 18.05  | 18.24  | 18.99   |
| 5                                      | 12      | 6         |        | 18.06  | 18.27  | 18.96   |
| 5                                      | 12      | 11        |        | 18.04  | 18.26  | 19.06   |
| 5                                      | 25      | 0         |        | 18.08  | 18.29  | 19.04   |
| 5                                      | 1       | 0         | 16-QAM | 18.04  | 18.19  | 18.75   |
| 5                                      | 1       | 12        |        | 18.11  | 18.34  | 19      |
| 5                                      | 1       | 24        |        | 18.01  | 18.4   | 19.01   |
| 5                                      | 12      | 0         |        | 16.93  | 17.24  | 17.94   |
| 5                                      | 12      | 6         |        | 16.98  | 17.24  | 17.95   |
| 5                                      | 12      | 11        |        | 16.95  | 17.26  | 18      |
| 5                                      | 25      | 0         |        | 17.04  | 17.25  | 18.04   |
| 10                                     | 1       | 0         | QPSK   | 19.02  | 19.15  | 19.44   |
| 10                                     | 1       | 24        |        | 18.16  | 19.46  | 20.03   |
| 10                                     | 1       | 49        |        | 19.09  | 19.53  | 20.17   |
| 10                                     | 25      | 0         |        | 18.13  | 18.35  | 18.82   |
| 10                                     | 25      | 12        |        | 18.11  | 18.33  | 18.83   |
| 10                                     | 25      | 24        |        | 18.11  | 18.44  | 19      |
| 10                                     | 50      | 0         |        | 18.14  | 18.37  | 18.92   |
| 10                                     | 1       | 0         | 16-QAM | 18.11  | 17.96  | 18.26   |
| 10                                     | 1       | 24        |        | 18.19  | 18.26  | 18.7    |
| 10                                     | 1       | 49        |        | 18.08  | 18.49  | 18.89   |
| 10                                     | 25      | 0         |        | 17.09  | 17.3   | 17.85   |
| 10                                     | 25      | 12        |        | 17.07  | 17.3   | 17.86   |
| 10                                     | 25      | 24        |        | 17.05  | 17.42  | 18.02   |
| 10                                     | 50      | 0         |        | 17.12  | 17.31  | 17.88   |



| LTE Band 7 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                      | 1       | 0         | QPSK   | 19.63  | 19.94  | 19.15   |
| 5                                      | 1       | 12        |        | 19.79  | 20.02  | 19.23   |
| 5                                      | 1       | 24        |        | 19.7   | 19.88  | 19.12   |
| 5                                      | 12      | 0         |        | 18.75  | 19.05  | 18.17   |
| 5                                      | 12      | 6         |        | 18.71  | 19.02  | 18.17   |
| 5                                      | 12      | 11        |        | 18.65  | 18.98  | 18.06   |
| 5                                      | 25      | 0         |        | 18.72  | 18.97  | 18.14   |
| 5                                      | 1       | 0         | 16-QAM | 18.61  | 19     | 18.07   |
| 5                                      | 1       | 12        |        | 18.72  | 19.08  | 18.12   |
| 5                                      | 1       | 24        |        | 18.65  | 18.98  | 17.98   |
| 5                                      | 12      | 0         |        | 17.69  | 18.05  | 17.19   |
| 5                                      | 12      | 6         |        | 17.7   | 18.02  | 17.16   |
| 5                                      | 12      | 11        |        | 17.59  | 18     | 17.05   |
| 5                                      | 25      | 0         |        | 17.7   | 17.97  | 17.14   |
| 10                                     | 1       | 0         | QPSK   | 19.65  | 20     | 19.36   |
| 10                                     | 1       | 24        |        | 19.9   | 20.11  | 19.4    |
| 10                                     | 1       | 49        |        | 19.82  | 19.91  | 19.15   |
| 10                                     | 25      | 0         |        | 18.91  | 19.1   | 18.44   |
| 10                                     | 25      | 12        |        | 18.95  | 19.14  | 18.41   |
| 10                                     | 25      | 24        |        | 18.82  | 19.03  | 18.21   |
| 10                                     | 50      | 0         |        | 18.82  | 19.03  | 18.3    |
| 10                                     | 1       | 0         | 16-QAM | 18.44  | 19.07  | 18.18   |
| 10                                     | 1       | 24        |        | 18.6   | 19.23  | 18.29   |
| 10                                     | 1       | 49        |        | 18.61  | 18.98  | 17.97   |
| 10                                     | 25      | 0         |        | 17.91  | 18.02  | 17.4    |
| 10                                     | 25      | 12        |        | 17.93  | 18.04  | 17.41   |
| 10                                     | 25      | 24        |        | 17.82  | 17.99  | 17.24   |
| 10                                     | 50      | 0         |        | 17.83  | 18.01  | 17.35   |



| LTE Band 7 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 15                                     | 1       | 0         | QPSK   | 19.44  | 19.86  | 19.36   |
| 15                                     | 1       | 37        |        | 19.77  | 19.94  | 19.33   |
| 15                                     | 1       | 74        |        | 19.65  | 19.61  | 19.02   |
| 15                                     | 36      | 0         |        | 18.82  | 19.04  | 18.36   |
| 15                                     | 36      | 18        |        | 18.88  | 19.01  | 18.36   |
| 15                                     | 36      | 39        |        | 18.84  | 19.02  | 18.4    |
| 15                                     | 75      | 0         |        | 18.89  | 19     | 18.37   |
| 15                                     | 1       | 0         | 16-QAM | 18.52  | 19.01  | 18.16   |
| 15                                     | 1       | 37        |        | 18.86  | 19.1   | 18.12   |
| 15                                     | 1       | 74        |        | 18.75  | 18.81  | 17.74   |
| 15                                     | 36      | 0         |        | 18.85  | 19.05  | 18.37   |
| 15                                     | 36      | 18        |        | 18.82  | 19.05  | 18.36   |
| 15                                     | 36      | 39        |        | 18.85  | 19.03  | 18.36   |
| 15                                     | 75      | 0         |        | 17.77  | 17.95  | 17.34   |
| 20                                     | 1       | 0         | QPSK   | 19.34  | 19.8   | 19.36   |
| 20                                     | 1       | 49        |        | 19.92  | 20.21  | 19.51   |
| 20                                     | 1       | 99        |        | 19.63  | 19.56  | 18.87   |
| 20                                     | 50      | 0         |        | 18.93  | 19.02  | 18.69   |
| 20                                     | 50      | 24        |        | 19     | 19.07  | 18.68   |
| 20                                     | 50      | 49        |        | 18.85  | 18.88  | 18.21   |
| 20                                     | 100     | 0         |        | 18.92  | 18.97  | 18.45   |
| 20                                     | 1       | 0         | 16-QAM | 18.23  | 18.74  | 18.51   |
| 20                                     | 1       | 49        |        | 18.82  | 18.96  | 18.67   |
| 20                                     | 1       | 99        |        | 18.48  | 18.52  | 17.96   |
| 20                                     | 50      | 0         |        | 17.99  | 18.01  | 17.68   |
| 20                                     | 50      | 24        |        | 18.04  | 18.01  | 17.69   |
| 20                                     | 50      | 49        |        | 17.88  | 17.85  | 17.17   |
| 20                                     | 100     | 0         |        | 17.91  | 17.94  | 17.47   |



| LTE Band 40(2305-2320) Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                           | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                                  | 1       | 0         | QPSK   | 21.05  | 21.03  | 21.15   |
| 5                                                  | 1       | 12        |        | 21.17  | 21.18  | 21.26   |
| 5                                                  | 1       | 24        |        | 21.05  | 21.03  | 21.13   |
| 5                                                  | 12      | 0         |        | 20.13  | 20.12  | 20.18   |
| 5                                                  | 12      | 6         |        | 20.12  | 20.13  | 20.16   |
| 5                                                  | 12      | 11        |        | 20.18  | 20.18  | 20.17   |
| 5                                                  | 25      | 0         |        | 20.16  | 20.18  | 20.2    |
| 5                                                  | 1       | 0         | 16-QAM | 20.42  | 20.18  | 20.15   |
| 5                                                  | 1       | 12        |        | 20.54  | 20.31  | 20.26   |
| 5                                                  | 1       | 24        |        | 20.43  | 20.19  | 20.15   |
| 5                                                  | 12      | 0         |        | 19.09  | 19.13  | 19.07   |
| 5                                                  | 12      | 6         |        | 19.09  | 19.12  | 19.1    |
| 5                                                  | 12      | 11        |        | 19.12  | 19.19  | 19.1    |
| 5                                                  | 25      | 0         |        | 19.17  | 19.14  | 19.15   |
| 10                                                 | 1       | 0         | QPSK   | 21.07  | 21.05  | 21.03   |
| 10                                                 | 1       | 24        |        | 21.32  | 21.3   | 21.32   |
| 10                                                 | 1       | 49        |        | 21.07  | 21.03  | 21.07   |
| 10                                                 | 25      | 0         |        | 20.09  | 20.09  | 20.07   |
| 10                                                 | 25      | 12        |        | 20.1   | 20.08  | 20.07   |
| 10                                                 | 25      | 24        |        | 20.19  | 20.15  | 20.19   |
| 10                                                 | 50      | 0         |        | 20.14  | 20.14  | 20.1    |
| 10                                                 | 1       | 0         | 16-QAM | 20     | 20.23  | 19.69   |
| 10                                                 | 1       | 24        |        | 20.23  | 20.5   | 19.92   |
| 10                                                 | 1       | 49        |        | 19.99  | 20.24  | 19.72   |
| 10                                                 | 25      | 0         |        | 19.1   | 19.16  | 19.05   |
| 10                                                 | 25      | 12        |        | 19.11  | 19.17  | 19.03   |
| 10                                                 | 25      | 24        |        | 19.17  | 19.21  | 19.14   |
| 10                                                 | 50      | 0         |        | 19.12  | 19.12  | 19.1    |

| LTE Band 40(2305-2320) Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                           | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 15                                                 | 1       | 0         | QPSK   | N/A    | 21.02  | N/A     |
| 15                                                 | 1       | 37        |        | N/A    | 21.2   | N/A     |
| 15                                                 | 1       | 74        |        | N/A    | 21.05  | N/A     |
| 15                                                 | 36      | 0         |        | N/A    | 20.19  | N/A     |
| 15                                                 | 36      | 18        |        | N/A    | 20.2   | N/A     |
| 15                                                 | 36      | 39        |        | N/A    | 20.19  | N/A     |
| 15                                                 | 75      | 0         |        | N/A    | 20.2   | N/A     |
| 15                                                 | 1       | 0         | 16-QAM | N/A    | 20.23  | N/A     |
| 15                                                 | 1       | 38        |        | N/A    | 20.38  | N/A     |
| 15                                                 | 1       | 75        |        | N/A    | 20.23  | N/A     |
| 15                                                 | 36      | 0         |        | N/A    | 20.19  | N/A     |
| 15                                                 | 36      | 18        |        | N/A    | 20.19  | N/A     |
| 15                                                 | 36      | 39        |        | N/A    | 20.17  | N/A     |
| 15                                                 | 75      | 0         |        | N/A    | 19.18  | N/A     |



| LTE Band 40(2345-2360) Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                           | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                                  | 1       | 0         | QPSK   | 21.34  | 21.16  | 20.98   |
| 5                                                  | 1       | 12        |        | 21.4   | 21.16  | 21.11   |
| 5                                                  | 1       | 24        |        | 21.23  | 21.06  | 20.97   |
| 5                                                  | 12      | 0         |        | 20.43  | 20.21  | 20.1    |
| 5                                                  | 12      | 6         |        | 20.4   | 20.23  | 20.08   |
| 5                                                  | 12      | 11        |        | 20.32  | 20.14  | 20.05   |
| 5                                                  | 25      | 0         |        | 20.32  | 20.18  | 20.06   |
| 5                                                  | 1       | 0         | 16-QAM | 20.73  | 20.54  | 20.35   |
| 5                                                  | 1       | 12        |        | 20.75  | 20.57  | 20.42   |
| 5                                                  | 1       | 24        |        | 20.6   | 20.43  | 20.31   |
| 5                                                  | 12      | 0         |        | 19.37  | 19.17  | 19.05   |
| 5                                                  | 12      | 6         |        | 19.37  | 19.15  | 19.03   |
| 5                                                  | 12      | 11        |        | 19.21  | 19.09  | 19      |
| 5                                                  | 25      | 0         |        | 19.32  | 19.16  | 19.05   |
| 10                                                 | 1       | 0         | QPSK   | 21.26  | 21.18  | 21.14   |
| 10                                                 | 1       | 24        |        | 21.37  | 21.31  | 21.26   |
| 10                                                 | 1       | 49        |        | 21.04  | 21.03  | 20.99   |
| 10                                                 | 25      | 0         |        | 20.28  | 20.25  | 20.2    |
| 10                                                 | 25      | 12        |        | 20.27  | 20.24  | 20.17   |
| 10                                                 | 25      | 24        |        | 20.15  | 20.13  | 20.13   |
| 10                                                 | 50      | 0         |        | 20.2   | 20.21  | 20.16   |
| 10                                                 | 1       | 0         | 16-QAM | 20.2   | 20.4   | 19.8    |
| 10                                                 | 1       | 24        |        | 20.3   | 20.52  | 19.96   |
| 10                                                 | 1       | 49        |        | 19.98  | 20.21  | 19.64   |
| 10                                                 | 25      | 0         |        | 19.29  | 19.33  | 19.17   |
| 10                                                 | 25      | 12        |        | 19.31  | 19.32  | 19.15   |
| 10                                                 | 25      | 24        |        | 19.15  | 19.21  | 19.08   |
| 10                                                 | 50      | 0         |        | 19.22  | 19.2   | 19.15   |

| LTE Band 40(2345-2360) Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                           | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 15                                                 | 1       | 0         | QPSK   | N/A    | 21.15  | N/A     |
| 15                                                 | 1       | 37        |        | N/A    | 21.14  | N/A     |
| 15                                                 | 1       | 74        |        | N/A    | 20.86  | N/A     |
| 15                                                 | 36      | 0         |        | N/A    | 20.13  | N/A     |
| 15                                                 | 36      | 18        |        | N/A    | 20.15  | N/A     |
| 15                                                 | 36      | 39        |        | N/A    | 20.14  | N/A     |
| 15                                                 | 75      | 0         |        | N/A    | 20.11  | N/A     |
| 15                                                 | 1       | 0         | 16-QAM | N/A    | 20.29  | N/A     |
| 15                                                 | 1       | 38        |        | N/A    | 20.3   | N/A     |
| 15                                                 | 1       | 75        |        | N/A    | 20.01  | N/A     |
| 15                                                 | 36      | 0         |        | N/A    | 20.12  | N/A     |
| 15                                                 | 36      | 18        |        | N/A    | 20.12  | N/A     |
| 15                                                 | 36      | 39        |        | N/A    | 20.16  | N/A     |
| 15                                                 | 75      | 0         |        | N/A    | 19.15  | N/A     |



| LTE Band 41 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                       | 1       | 0         | QPSK   | 19.84  | 19.09  | 18.76   |
| 5                                       | 1       | 12        |        | 19.98  | 19.22  | 18.83   |
| 5                                       | 1       | 24        |        | 19.85  | 19.1   | 18.69   |
| 5                                       | 12      | 0         |        | 18.97  | 18.19  | 17.96   |
| 5                                       | 12      | 6         |        | 18.98  | 18.16  | 17.96   |
| 5                                       | 12      | 11        |        | 19.06  | 18.14  | 17.83   |
| 5                                       | 25      | 0         |        | 19.02  | 18.19  | 17.87   |
| 5                                       | 1       | 0         | 16-QAM | 18.99  | 18.17  | 18.16   |
| 5                                       | 1       | 12        |        | 19.16  | 18.3   | 18.24   |
| 5                                       | 1       | 24        |        | 19.04  | 18.15  | 18.11   |
| 5                                       | 12      | 0         |        | 18.06  | 17.19  | 16.91   |
| 5                                       | 12      | 6         |        | 18.06  | 17.17  | 16.92   |
| 5                                       | 12      | 11        |        | 18.1   | 17.12  | 16.79   |
| 5                                       | 25      | 0         |        | 18.07  | 17.2   | 16.91   |
| 10                                      | 1       | 0         | QPSK   | 19.95  | 19.17  | 18.9    |
| 10                                      | 1       | 24        |        | 20.31  | 19.44  | 19.07   |
| 10                                      | 1       | 49        |        | 20.11  | 19.15  | 18.76   |
| 10                                      | 25      | 0         |        | 19.12  | 18.3   | 18.07   |
| 10                                      | 25      | 12        |        | 19.09  | 18.32  | 18.08   |
| 10                                      | 25      | 24        |        | 19.13  | 18.2   | 17.86   |
| 10                                      | 50      | 0         |        | 19.13  | 18.3   | 18.02   |
| 10                                      | 1       | 0         | 16-QAM | 18.89  | 18.4   | 18.13   |
| 10                                      | 1       | 24        |        | 19.21  | 18.7   | 18.37   |
| 10                                      | 1       | 49        |        | 19.03  | 18.45  | 18.06   |
| 10                                      | 25      | 0         |        | 18.2   | 17.48  | 17.16   |
| 10                                      | 25      | 12        |        | 18.17  | 17.46  | 17.16   |
| 10                                      | 25      | 24        |        | 18.19  | 17.37  | 16.92   |
| 10                                      | 50      | 0         |        | 18.21  | 17.39  | 17.01   |

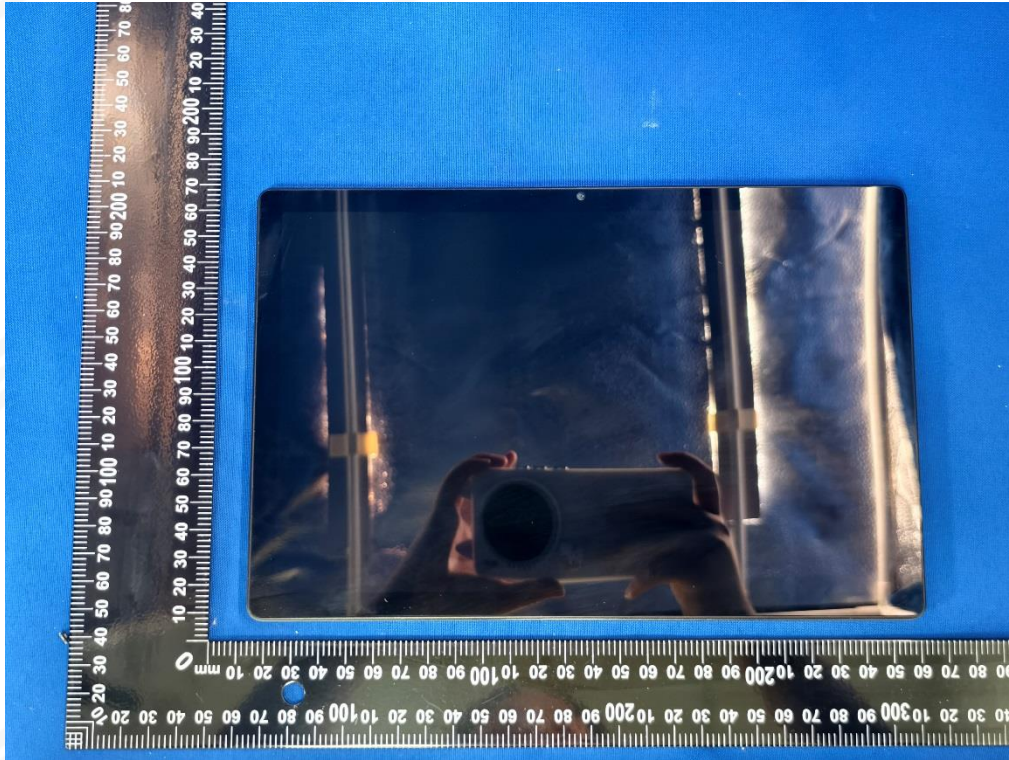


| LTE Band 41 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 15                                      | 1       | 0         | QPSK   | 19.79  | 19.06  | 18.99   |
| 15                                      | 1       | 37        |        | 20.09  | 19.25  | 19      |
| 15                                      | 1       | 74        |        | 20.03  | 19.11  | 18.71   |
| 15                                      | 36      | 0         |        | 19.14  | 18.13  | 18      |
| 15                                      | 36      | 18        |        | 19.13  | 18.12  | 18.03   |
| 15                                      | 36      | 39        |        | 19.12  | 18.18  | 18.02   |
| 15                                      | 75      | 0         |        | 19.1   | 18.16  | 18.05   |
| 15                                      | 1       | 0         | 16-QAM | 19.02  | 17.88  | 18.19   |
| 15                                      | 1       | 38        |        | 19.31  | 18.09  | 18.25   |
| 15                                      | 1       | 75        |        | 19.21  | 17.89  | 17.95   |
| 15                                      | 36      | 0         |        | 19.11  | 18.13  | 18.02   |
| 15                                      | 36      | 18        |        | 19.13  | 18.11  | 18.04   |
| 15                                      | 36      | 39        |        | 19.13  | 18.14  | 18.03   |
| 15                                      | 75      | 0         |        | 18.12  | 17.21  | 17.06   |
| 20                                      | 1       | 0         | QPSK   | 19.68  | 18.89  | 19      |
| 20                                      | 1       | 49        |        | 20.32  | 19.28  | 19.24   |
| 20                                      | 1       | 99        |        | 20.01  | 18.92  | 18.66   |
| 20                                      | 50      | 0         |        | 19.17  | 18.31  | 18.35   |
| 20                                      | 50      | 24        |        | 19.17  | 18.35  | 18.32   |
| 20                                      | 50      | 49        |        | 19.3   | 18.18  | 17.87   |
| 20                                      | 100     | 0         |        | 19.23  | 18.27  | 18.14   |
| 20                                      | 1       | 0         | 16-QAM | 18.76  | 17.49  | 17.72   |
| 20                                      | 1       | 49        |        | 19.31  | 17.87  | 17.88   |
| 20                                      | 1       | 99        |        | 19.02  | 17.54  | 17.39   |
| 20                                      | 50      | 0         |        | 18.22  | 17.5   | 17.32   |
| 20                                      | 50      | 24        |        | 18.23  | 17.48  | 17.32   |
| 20                                      | 50      | 49        |        | 18.35  | 17.32  | 16.87   |
| 20                                      | 100     | 0         |        | 18.29  | 17.37  | 17.17   |

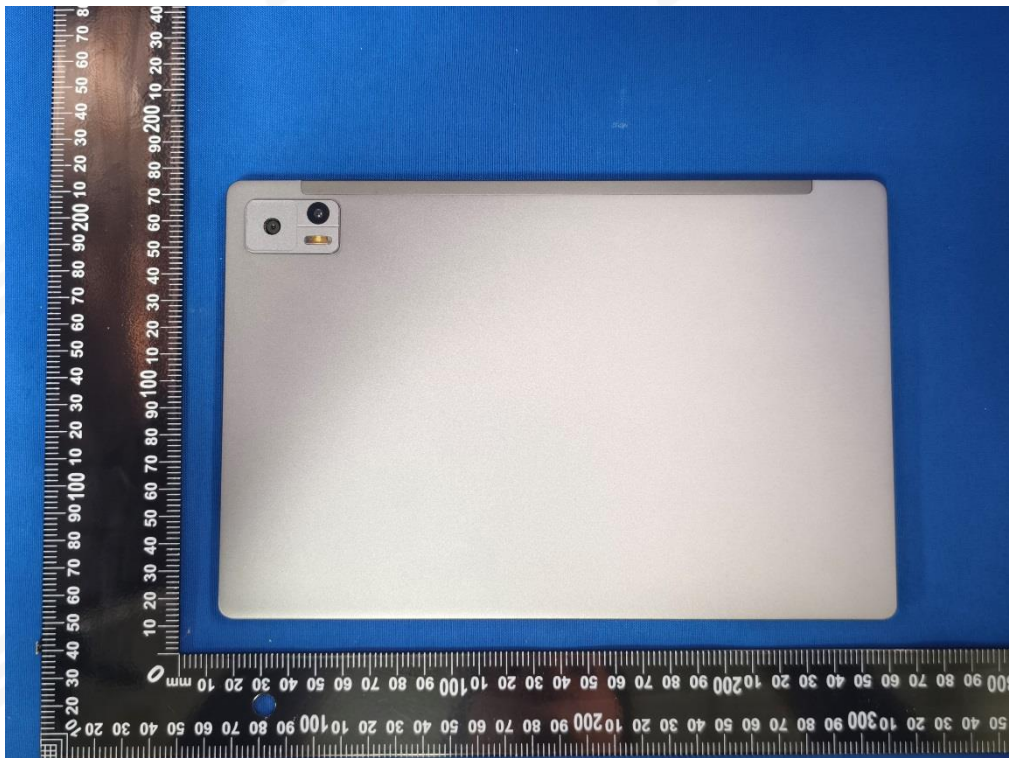
## 11. EUT and Test Setup Photo

### 11.1 EUT Photo

Front side

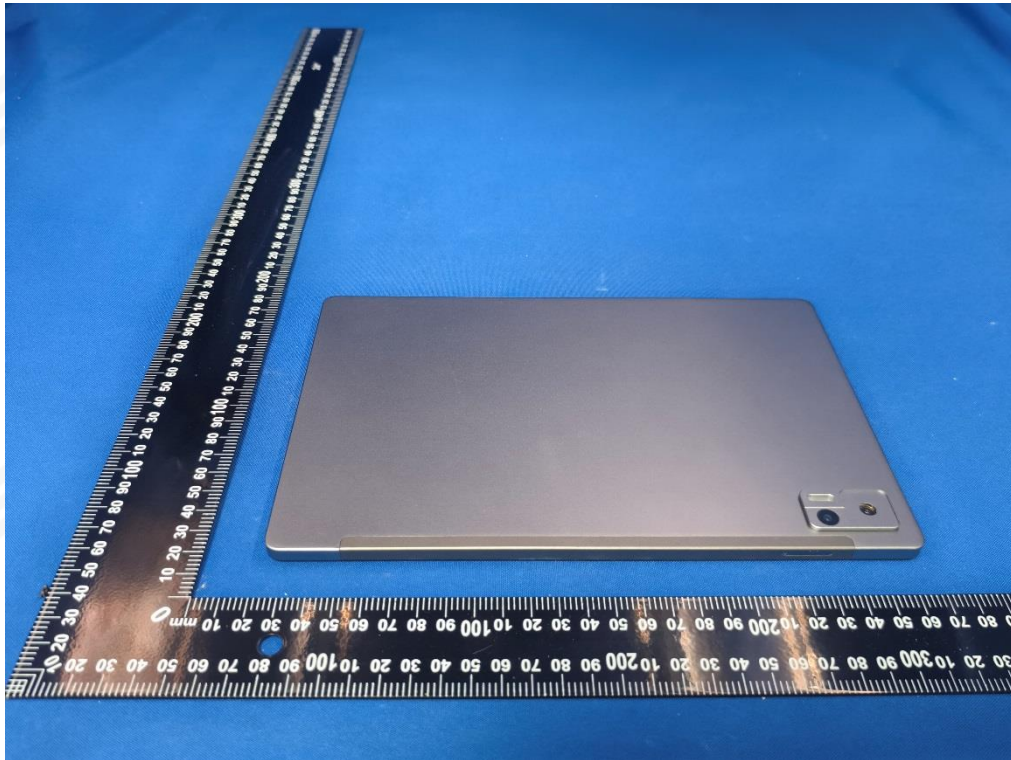


Back side

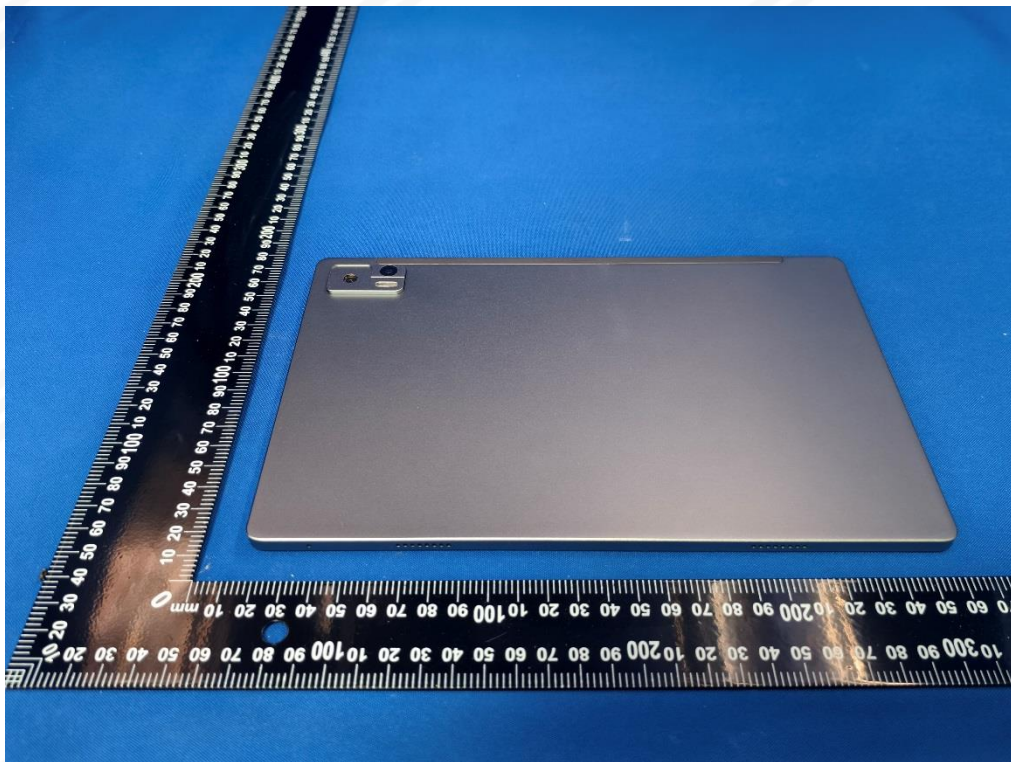




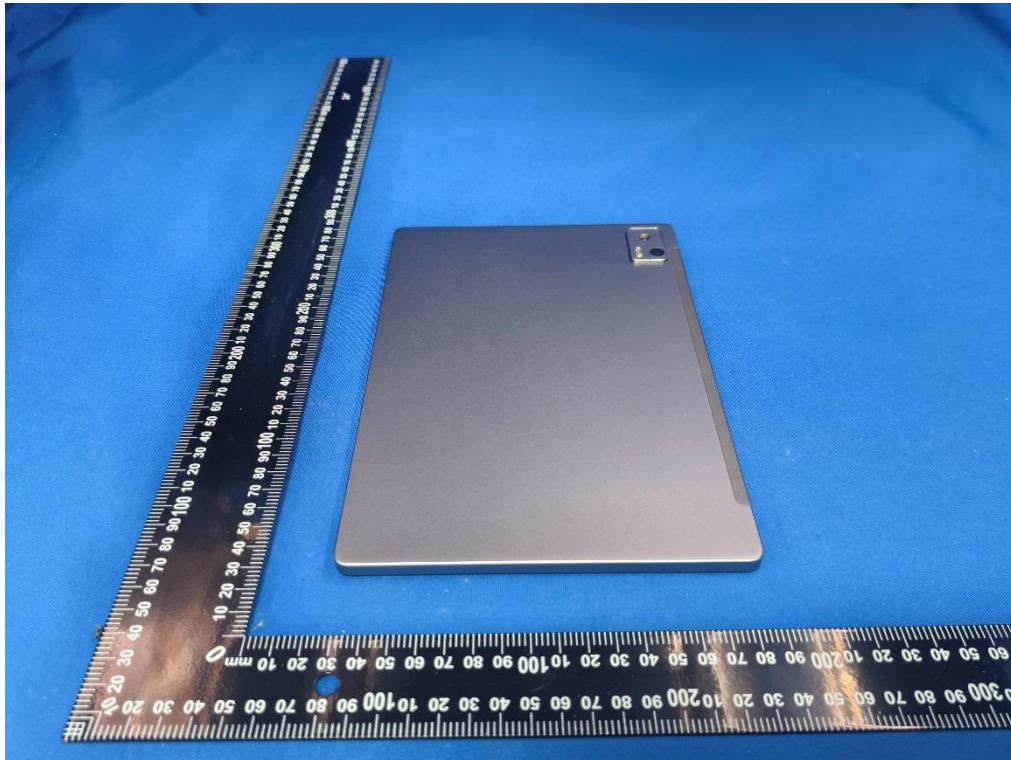
Top Edge



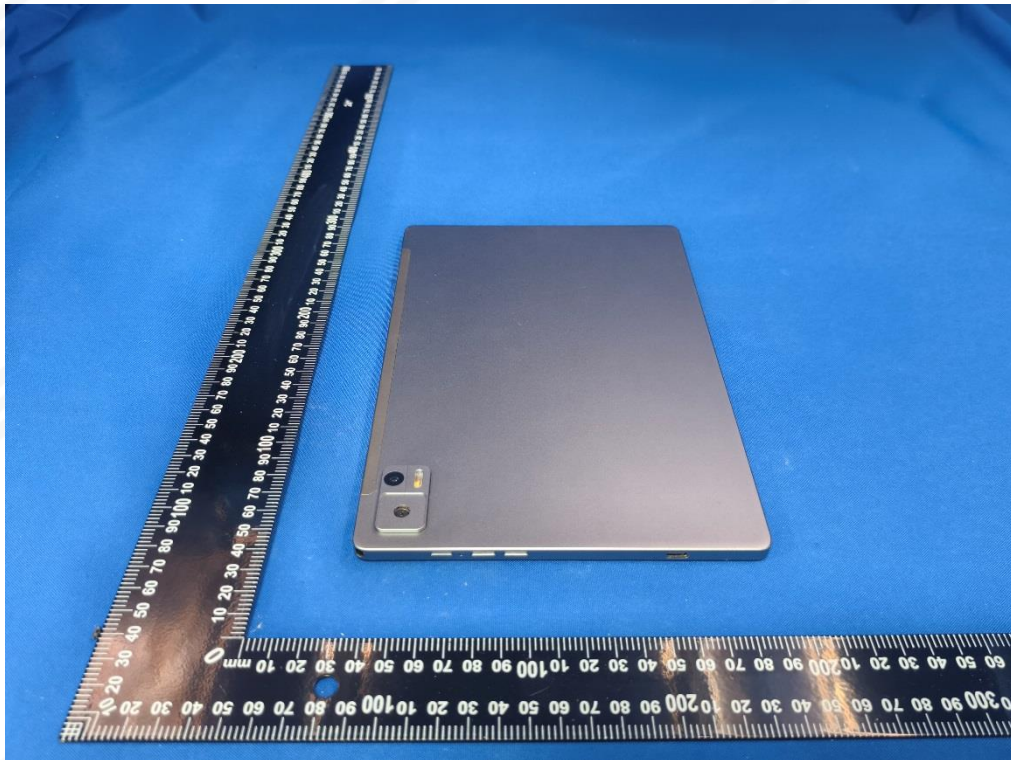
Bottom Edge



Left side



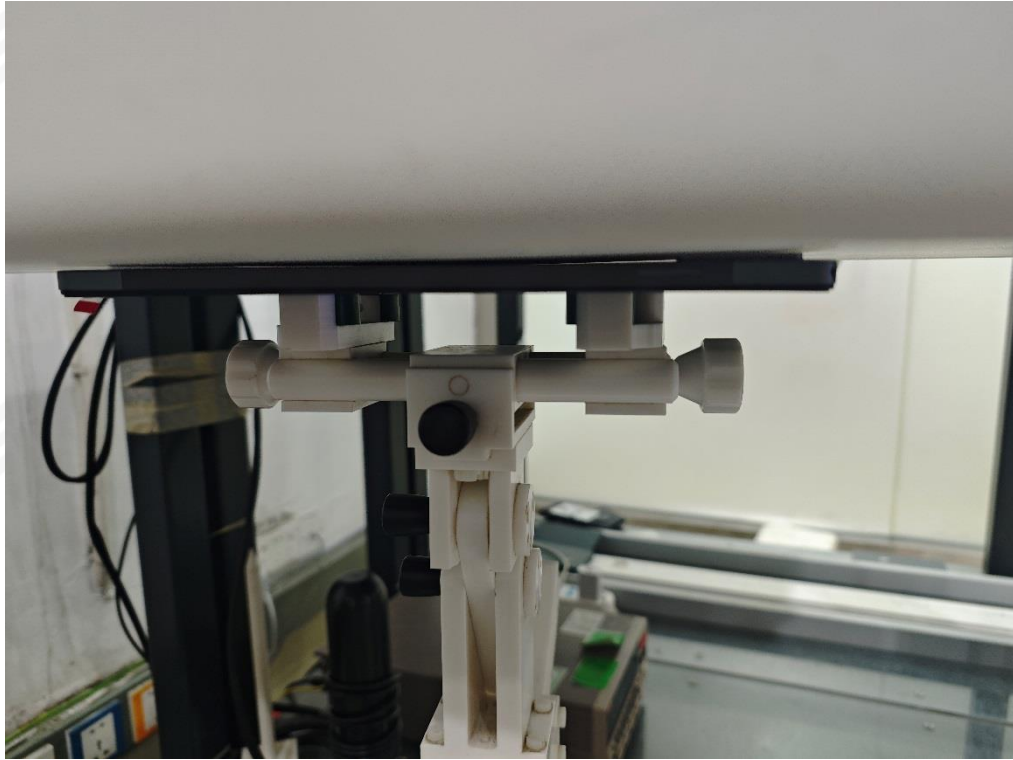
Right side





## 11.2 Setup Photo

Body Back side (separation distance is 0mm)

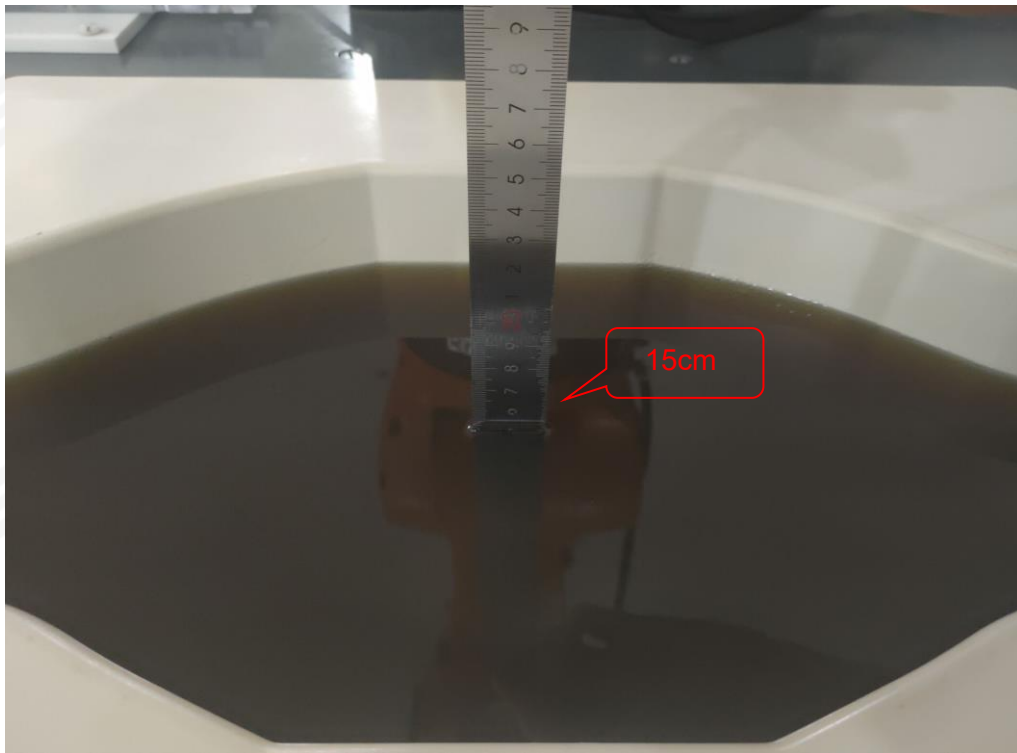


Body Top side (separation distance is 0mm)





Liquid depth (15 cm)





## 12. SAR Result Summary

### 12.1 Body-worn 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      | GPRS Data-4 Slot | n/a     | n/a       | Back Side     | 824.2  | 0.529            | -1.77          | 29.00                   | 28.55                   | 1.109          | <b>0.587</b>      | <b>1</b>  |
|               |          |                  | n/a     | n/a       | Top Side      | 824.2  | 0.511            | -0.47          | 29.00                   | 28.55                   | 1.109          | 0.567             | /         |
| GSM1900       | n/a      | GPRS Data-4 Slot | n/a     | n/a       | Back Side     | 1850.2 | 0.758            | 0.63           | 25.00                   | 24.82                   | 1.042          | <b>0.790</b>      | <b>2</b>  |
|               |          |                  | n/a     | n/a       | Top Side      | 1850.2 | 0.714            | 1.45           | 25.00                   | 24.82                   | 1.042          | 0.744             | /         |
| WCDMA Band II | n/a      | RMC              | n/a     | n/a       | Back Side     | 1852.4 | 0.257            | 3.16           | 21.00                   | 20.53                   | 1.114          | <b>0.286</b>      | <b>3</b>  |
|               |          |                  | n/a     | n/a       | Top Side      | 1852.4 | 0.205            | -2.04          | 21.00                   | 20.53                   | 1.114          | 0.228             | /         |
| WCDMA Band V  | n/a      | RMC              | n/a     | n/a       | Back Side     | 846.6  | 0.48             | -0.10          | 20.00                   | 19.65                   | 1.084          | <b>0.520</b>      | <b>4</b>  |
|               |          |                  | n/a     | n/a       | Top Side      | 846.6  | 0.416            | -3.33          | 20.00                   | 19.65                   | 1.084          | 0.451             | /         |
| 2.4GHz WLAN   | n/a      | 802.11b          | n/a     | n/a       | Back Side     | 2437   | 0.11             | -3.30          | 19.00                   | 18.79                   | 1.050          | <b>0.115</b>      | <b>5</b>  |
|               |          |                  | n/a     | n/a       | Top Side      | 2437   | 0.085            | -3.98          | 19.00                   | 18.79                   | 1.050          | 0.089             | /         |
| 5.2GHz WLAN   | n/a      | 802.11ac-VHT80   | n/a     | n/a       | Back Side     | 5210   | 0.143            | 0.02           | 15.50                   | 15.05                   | 1.109          | <b>0.159</b>      | <b>6</b>  |
|               |          |                  | n/a     | n/a       | Top Side      | 5210   | 0.125            | -1.93          | 15.50                   | 15.05                   | 1.109          | 0.139             | /         |
| 5.3GHz WLAN   | n/a      | 802.11ac-VHT40   | n/a     | n/a       | Back Side     | 5310   | 0.13             | -3.18          | 15.00                   | 14.66                   | 1.081          | <b>0.141</b>      | <b>7</b>  |
|               |          |                  | n/a     | n/a       | Top Side      | 5310   | 0.114            | -3.32          | 15.00                   | 14.66                   | 1.081          | 0.123             | /         |
| 5.6GHz WLAN   | n/a      | 802.11ac-VHT40   | n/a     | n/a       | Back Side     | 5550   | 0.153            | -0.38          | 15.50                   | 15.00                   | 1.122          | <b>0.172</b>      | <b>8</b>  |
|               |          |                  | n/a     | n/a       | Top Side      | 5550   | 0.135            | -2.34          | 15.50                   | 15.00                   | 1.122          | 0.151             | /         |
| 5.8GHz WLAN   | n/a      | 802.11ac-VHT80   | n/a     | n/a       | Back Side     | 5775   | 0.122            | -0.51          | 15.00                   | 14.97                   | 1.007          | <b>0.123</b>      | <b>9</b>  |
|               |          |                  | n/a     | n/a       | Top Side      | 5775   | 0.105            | -0.23          | 15.00                   | 14.97                   | 1.007          | 0.106             | /         |
| LTE Band 2    | 20M      | QPSK             | 1       | 0         | Back Side     | 1860   | 0.474            | 3.83           | 21.00                   | 20.61                   | 1.094          | <b>0.519</b>      | <b>10</b> |
|               |          |                  | 50      | 0         | Back Side     | 1860   | 0.415            | 0.92           | 20.00                   | 19.67                   | 1.079          | 0.448             | /         |
|               |          |                  | 1       | 0         | Top Side      | 1860   | 0.466            | 0.02           | 21.00                   | 20.61                   | 1.094          | 0.510             | /         |
|               |          |                  | 50      | 0         | Top Side      | 1860   | 0.425            | 3.81           | 20.00                   | 19.67                   | 1.079          | 0.459             | /         |
| LTE Band 4    | 20M      | QPSK             | 1       | 49        | Back Side     | 1732.5 | 0.761            | 1.01           | 20.50                   | 20.42                   | 1.019          | <b>0.775</b>      | <b>11</b> |
|               |          |                  | 50      | 0         | Back Side     | 1720   | 0.736            | -1.01          | 19.50                   | 19.49                   | 1.002          | 0.738             | /         |
|               |          |                  | 1       | 49        | Top Side      | 1732.5 | 0.625            | -3.33          | 20.50                   | 20.42                   | 1.019          | 0.637             | /         |
|               |          |                  | 50      | 0         | Top Side      | 1720   | 0.614            | 0.38           | 19.50                   | 19.49                   | 1.002          | 0.615             | /         |
| LTE Band 5    | 10M      | QPSK             | 1       | 49        | Back Side     | 844    | 0.710            | -0.20          | 20.50                   | 20.17                   | 1.079          | <b>0.766</b>      | <b>12</b> |
|               |          |                  | 25      | 24        | Back Side     | 844    | 0.641            | 2.12           | 19.50                   | 19.00                   | 1.122          | 0.719             | /         |
|               |          |                  | 1       | 49        | Top Side      | 844    | 0.705            | -3.54          | 20.50                   | 20.17                   | 1.079          | 0.761             | /         |
|               |          |                  | 25      | 24        | Top Side      | 844    | 0.662            | 1.01           | 19.50                   | 19.00                   | 1.122          | 0.743             | /         |
| LTE Band 7    | 10M      | QPSK             | 1       | 49        | Back Side     | 2535   | 0.419            | -3.85          | 21.50                   | 20.21                   | 1.346          | <b>0.564</b>      | <b>13</b> |
|               |          |                  | 50      | 24        | Back Side     | 2535   | 0.395            | -2.54          | 19.50                   | 19.07                   | 1.104          | 0.436             | /         |
|               |          |                  | 1       | 49        | Top Side      | 2535   | 0.401            | -1.42          | 21.50                   | 20.21                   | 1.346          | 0.540             | /         |
|               |          |                  | 50      | 24        | Top Side      | 2535   | 0.258            | 3.90           | 19.50                   | 19.07                   | 1.104          | 0.285             | /         |
| LTE Band 40   | 15M      | QPSK             | 1       | 0         | Back Side     | 2350   | 0.358            | 3.76           | 21.50                   | 21.15                   | 1.084          | <b>0.388</b>      | <b>14</b> |
|               |          |                  | 36      | 18        | Back Side     | 2350   | 0.314            | -2.84          | 20.50                   | 20.15                   | 1.084          | 0.340             | /         |
|               |          |                  | 1       | 0         | Top Side      | 2350   | 0.341            | -3.60          | 21.50                   | 21.15                   | 1.084          | 0.370             | /         |
|               |          |                  | 36      | 18        | Top Side      | 2350   | 0.256            | 2.75           | 20.50                   | 20.15                   | 1.084          | 0.277             | /         |
| LTE Band 41   | 20M      | QPSK             | 1       | 49        | Back Side     | 2506   | 0.256            | 0.99           | 20.50                   | 20.32                   | 1.042          | <b>0.267</b>      | <b>15</b> |
|               |          |                  | 50      | 49        | Back Side     | 2506   | 0.241            | 2.31           | 19.50                   | 19.30                   | 1.047          | 0.252             | /         |
|               |          |                  | 1       | 49        | Top Side      | 2506   | 0.233            | -1.08          | 20.50                   | 20.32                   | 1.042          | 0.243             | /         |
|               |          |                  | 50      | 49        | Top Side      | 2506   | 0.225            | -3.84          | 19.50                   | 19.30                   | 1.047          | 0.236             | /         |

#### 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.



## 12.2 Simultaneous Multi-band Transmission Evaluation

Application Simultaneous Transmission information:

| Position | Simultaneous State             |
|----------|--------------------------------|
| Body     | 1. GSM + 2.4GHz WLAN/5G WLAN   |
|          | 2. WCDMA + 2.4GHz WLAN/5G WLAN |
|          | 3. LTE + 2.4GHz WLAN/5G WLAN   |
|          | 4. GSM + BT                    |
|          | 5. WCDMA + BT                  |
|          | 6. LTE + BT                    |

**NOTE:**

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

| Estimated SAR |      | Maximum Average Power |       | Dis. | Frequency(GHz) | Stand alone SAR(1g)<br>[W/kg] |
|---------------|------|-----------------------|-------|------|----------------|-------------------------------|
|               |      | dBm                   | mW    |      |                |                               |
| BT            | body | 1.5                   | 1.413 | 5    | 2.441          | 0.059                         |



| Simultaneous Mode | Position | Mode      | Max. 1-g SAR | 1-g Sum SAR |
|-------------------|----------|-----------|--------------|-------------|
|                   |          |           | (W/kg)       | (W/kg)      |
| GSM + 2.4G WLAN   | Body     | GSM       | 0.790        | 0.906       |
|                   |          | 2.4G WLAN | 0.115        |             |
| GSM + Bluetooth   | Body     | GSM       | 0.790        | 0.849       |
|                   |          | Bluetooth | 0.059        |             |
| GSM + 5G WLAN     | Body     | GSM       | 0.790        | 0.962       |
|                   |          | 5G WLAN   | 0.172        |             |
| WCDMA + 2.4G WLAN | Body     | WCDMA     | 0.520        | 0.636       |
|                   |          | 2.4G WLAN | 0.115        |             |
| WCDMA + Bluetooth | Body     | WCDMA     | 0.520        | 0.579       |
|                   |          | Bluetooth | 0.059        |             |
| WCDMA + 5G WLAN   | Body     | WCDMA     | 0.520        | 0.692       |
|                   |          | 5G WLAN   | 0.172        |             |
| LTE + 2.4G WLAN   | Body     | LTE       | 0.775        | 0.891       |
|                   |          | 2.4G WLAN | 0.115        |             |
| LTE + Bluetooth   | Body     | LTE       | 0.775        | 0.834       |
|                   |          | Bluetooth | 0.059        |             |
| LTE + 5G WLAN     | Body     | LTE       | 0.775        | 0.947       |
|                   |          | 5G WLAN   | 0.172        |             |

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

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



### 13. Equipment List

| Kind of Equipment                     | Manufacturer | Type No.            | Serial No.               | Last Calibration | Calibrated Until |
|---------------------------------------|--------------|---------------------|--------------------------|------------------|------------------|
| 835MHz Dipole                         | MVG          | SID835              | SN 30/14<br>DIP0G835-332 | 2023.07.04       | 2026.07.03       |
| 1800MHz Dipole                        | MVG          | SID1800             | 5023-DIP1G800-<br>747    | 2023.12.20       | 2026.12.19       |
| 2450MHzDipole                         | MVG          | SID2450             | SN 30/14<br>DIP2G450-335 | 2023.07.04       | 2026.07.03       |
| 2600MHz Dipole                        | MVG          | SID2600             | SN 30/14<br>DIP2G600-336 | 2023.07.04       | 2026.07.03       |
| Waveguide                             | MVG          | SWG5500             | SN 13/14<br>WGA32        | 2023.07.04       | 2026.07.03       |
| E-Field Probe                         | MVG          | SSE2                | SN 08/21<br>EPOG352      | 2025.09.15       | 2026.09.14       |
| Dielectric Probe Kit                  | MVG          | SCLMP               | SN 32/14<br>OCPG67       | 2025.09.15       | 2026.09.14       |
| Antenna                               | MVG          | ANTA3               | SN 07/13<br>ZNTA52       | N/A              | N/A              |
| Phantom1                              | MVG          | SAM                 | SN 32/14<br>SAM115       | N/A              | N/A              |
| Phantom3                              | MVG          | SAM                 | SN 21/21<br>ELLI48       | N/A              | N/A              |
| Phone holder                          | MVG          | N/A                 | SN 32/14<br>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-<br>20dB  | 211123-4-3               | 2025-02-22       | 2026-02-21       |
| Network Analyzer                      | Agilent      | E5071C              | MY46520378               | 2024-09-24       | 2026-09-25       |
| Multi Meter                           | Keithley     | Multi Meter<br>2000 | 4050073                  | 2024-09-24       | 2026-09-25       |
| Signal Generator                      | Agilent      | N5182A              | MY50140530               | 2024-09-24       | 2026-09-25       |
| Wireless<br>Communication Test<br>Set | Agilent      | 8960-E5515C         | MY48360751               | 2025-02-22       | 2026-02-21       |
| Wireless<br>Communication Test<br>Set | R&S          | CMW500              | 156324                   | 2024-09-24       | 2026-09-25       |
| Power Amplifier                       | DESAY        | ZHL-42W             | 9638                     | 2024-09-24       | 2026-09-25       |
| Power Meter                           | R&S          | NRP                 | 100510                   | 2024-09-24       | 2026-09-25       |
| Power Sensor                          | R&S          | NRP-Z11             | 101919                   | 2024-09-24       | 2026-09-25       |
| Power Sensor                          | Keysight     | U2021XA             | MY56280002               | 2024-09-24       | 2026-09-25       |
| Temperature<br>hygrometer             | SuWei        | SW-108              | N/A                      | 2024.10.15       | 2025.10.14       |
| Thermograph                           | Elitech      | RC-4                | S/N<br>EF7176501537      | 2024.10.15       | 2025.10.14       |



## Appendix A. System Validation Plots

### System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

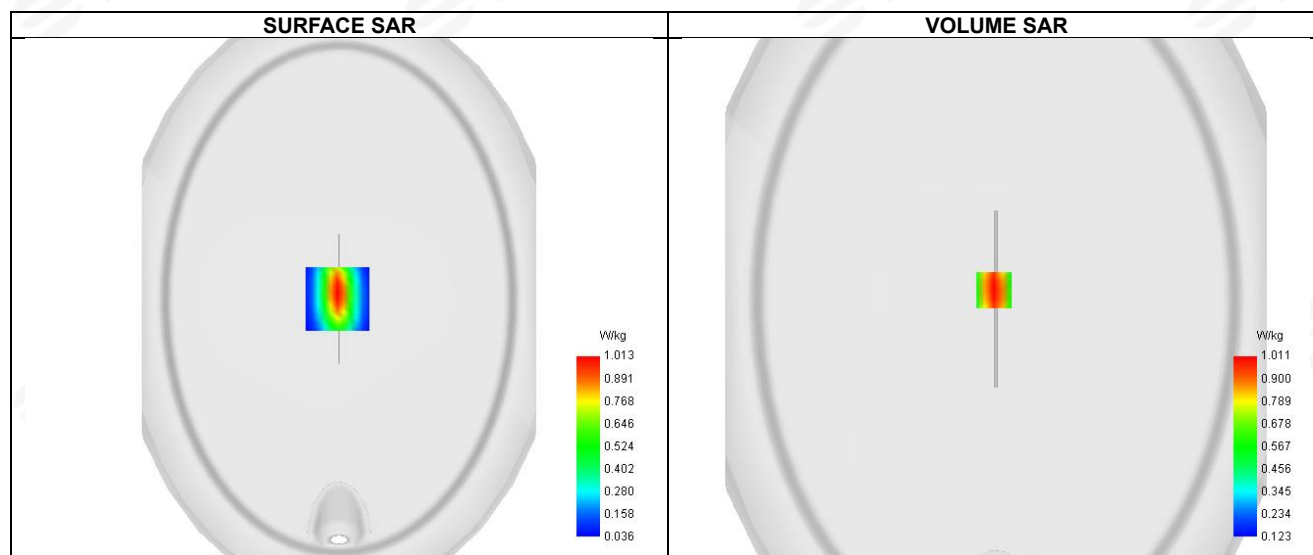
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-09-25

### Experimental conditions

|                       |                  |
|-----------------------|------------------|
| Phantom               | Validation plane |
| Device Position       | Dipole           |
| Band                  | 835MHz           |
| Channels              | Middle           |
| Signal                | CW               |
| Frequency (MHz)       | 835MHz           |
| Relative permittivity | 42.06            |
| Conductivity (S/m)    | 0.91             |
| Probe                 | SN 08/21 EPGO352 |
| ConvF                 | 1.49             |
| Crest factor:         | 1:1              |



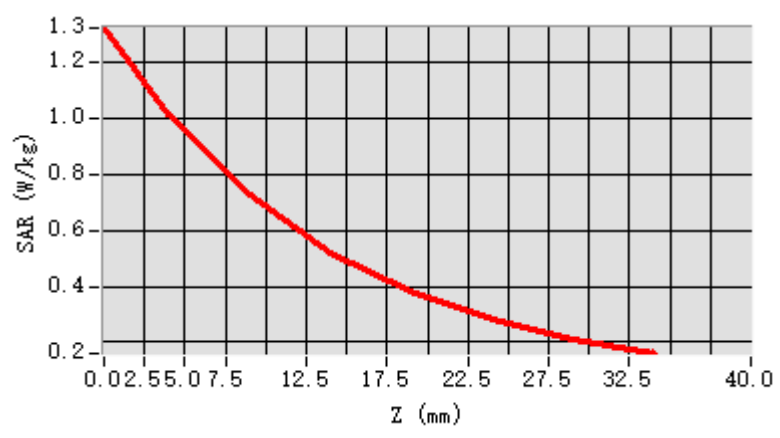
Maximum location: X=-2.00, Y=8.00 ; SAR Peak: 1.32 W/kg

### D. SAR 1g & 10g

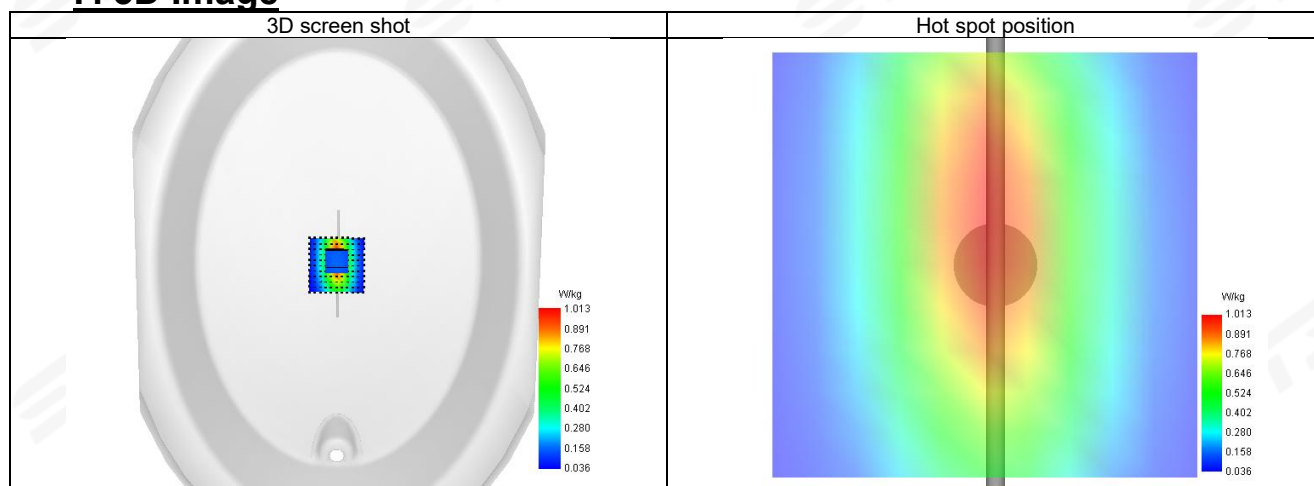
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.652     |
| SAR 1g (W/Kg)                                         | 0.965     |
| Horizontal validation criteria: minimum distance (mm) | 12.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 71.612504 |

## E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 1.321 | 1.011 | 0.724 | 0.521 | 0.381 | 0.284 | 0.213 |



## F. 3D Image



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

Type: Phone measurement (Complete)

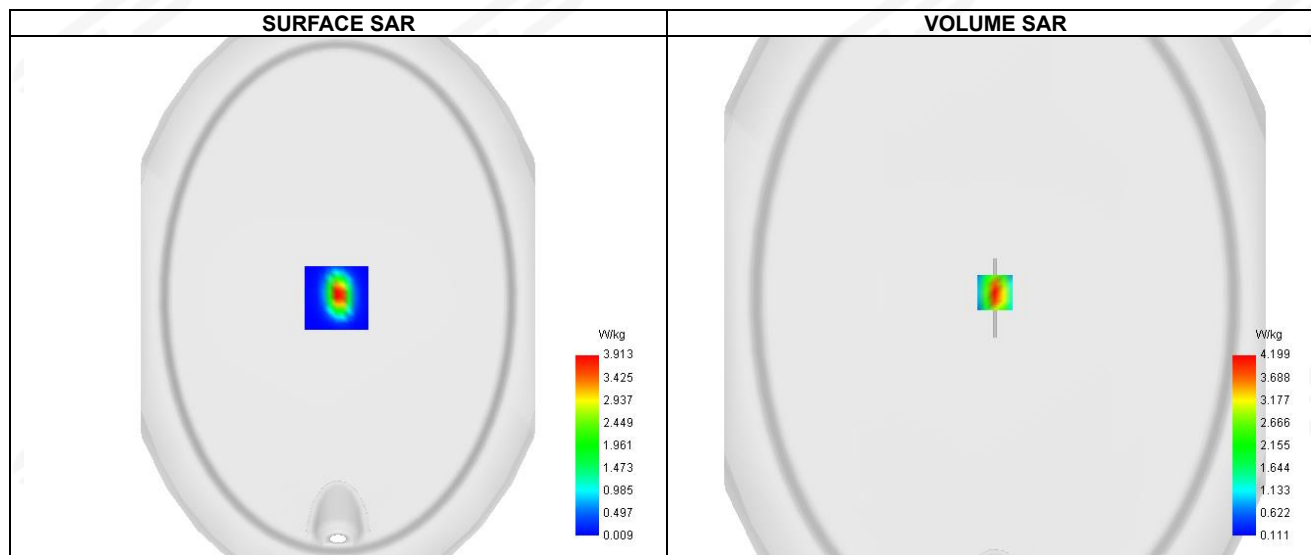
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-09-24

**Experimental conditions.**

|                       |                  |
|-----------------------|------------------|
| Phantom               | Validation plane |
| Device Position       | Dipole           |
| Band                  | 1800MHz          |
| Channels              | Middle           |
| Signal                | CW               |
| Frequency (MHz)       | 1800MHz          |
| Relative permittivity | 40.66            |
| Conductivity (S/m)    | 1.43             |
| Probe                 | SN 08/21 EPGO352 |
| ConvF                 | 1.54             |
| Crest factor:         | 1:1              |



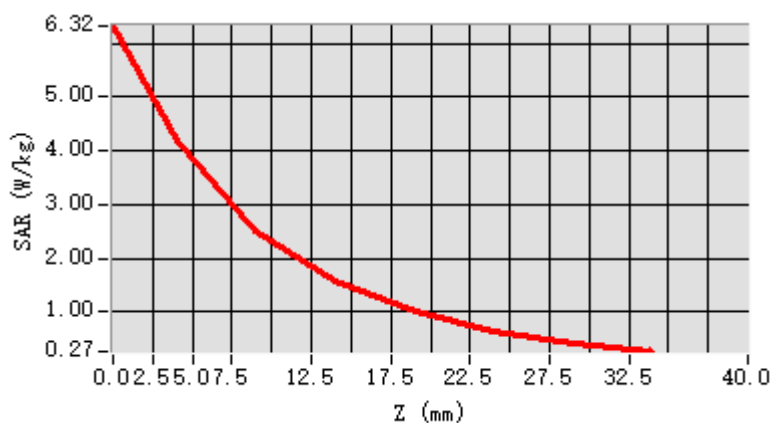
Maximum location: X=0.00, Y=5.00 ; SAR Peak: 6.33 W/kg

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

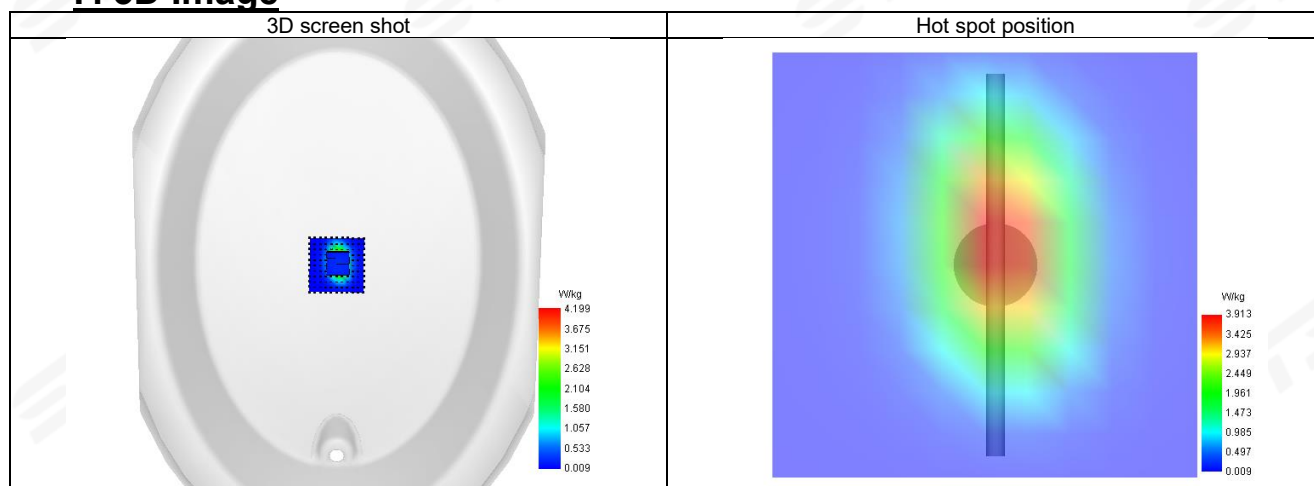
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 2.103     |
| SAR 1g (W/Kg)                                         | 3.922     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 59.756511 |

## E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 6.325 | 4.199 | 2.509 | 1.571 | 1.000 | 0.638 | 0.414 |



## F. 3D Image



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

Type: Phone measurement (Complete)

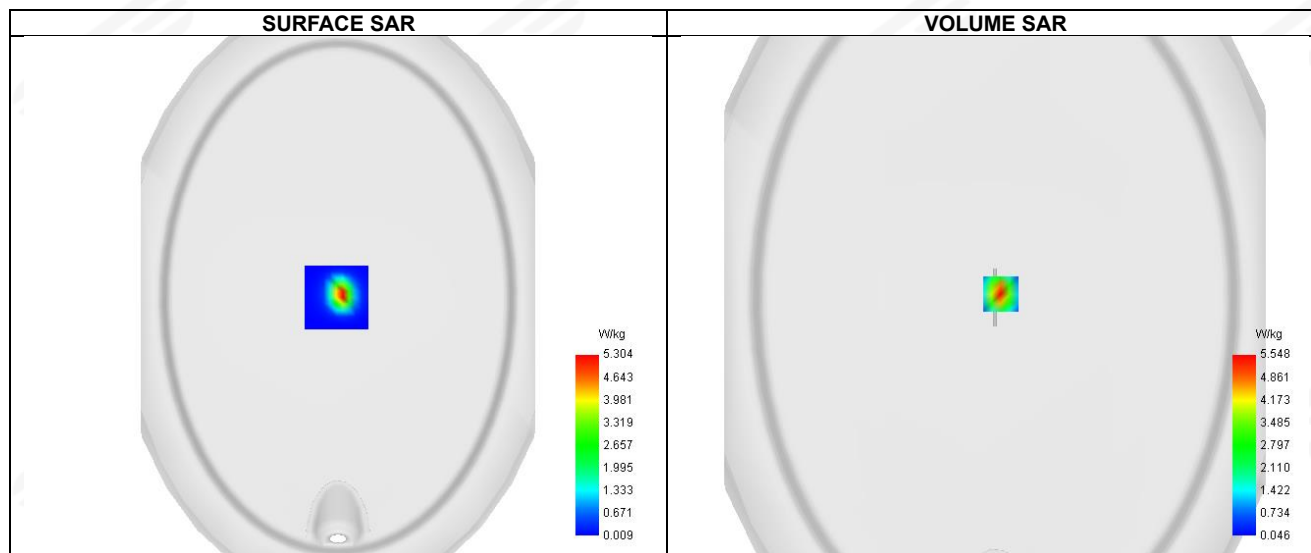
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-09-28

**Experimental conditions.**

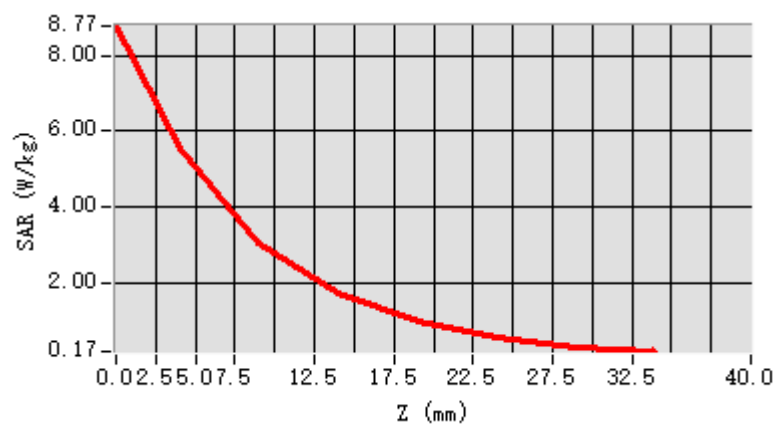
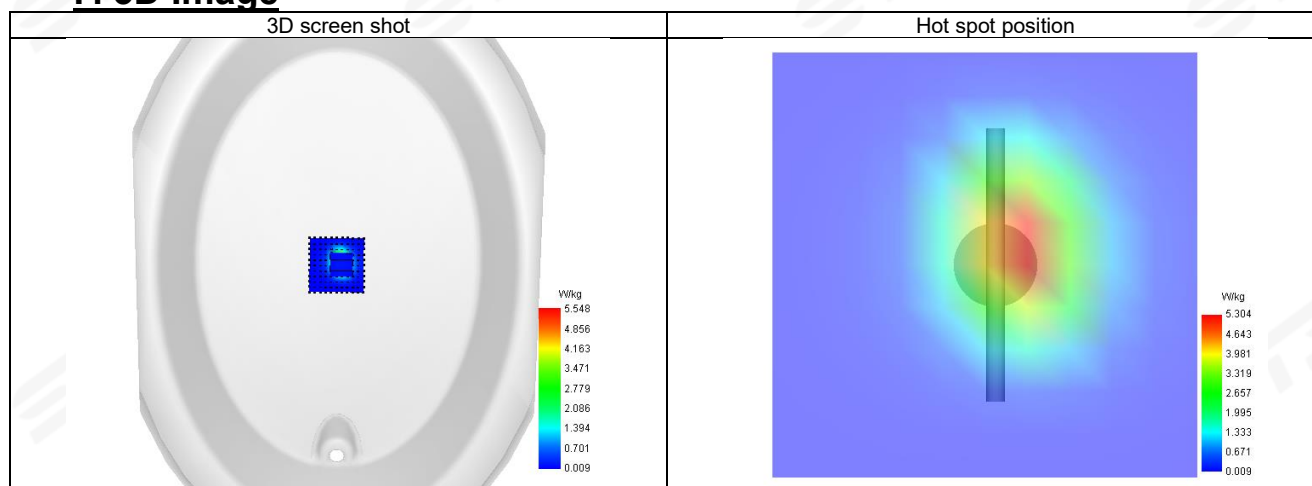
|                       |                  |
|-----------------------|------------------|
| Phantom               | Validation plane |
| Device Position       | Dipole           |
| Band                  | 2450MHz          |
| Channels              | Middle           |
| Signal                | CW               |
| Frequency (MHz)       | 2450             |
| Relative permittivity | 39.24            |
| Conductivity (S/m)    | 1.82             |
| Probe                 | SN 08/21 EPG0352 |
| ConvF                 | 1.82             |
| Crest factor:         | 1:1              |

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

|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 2.426     |
| SAR 1g (W/Kg)                                         | 5.076     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 54.806280 |

**E. Z Axis Scan**

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 8.774 | 5.548 | 3.041 | 1.721 | 0.962 | 0.537 | 0.300 |

**F. 3D Image**

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

Type: Phone measurement (Complete)

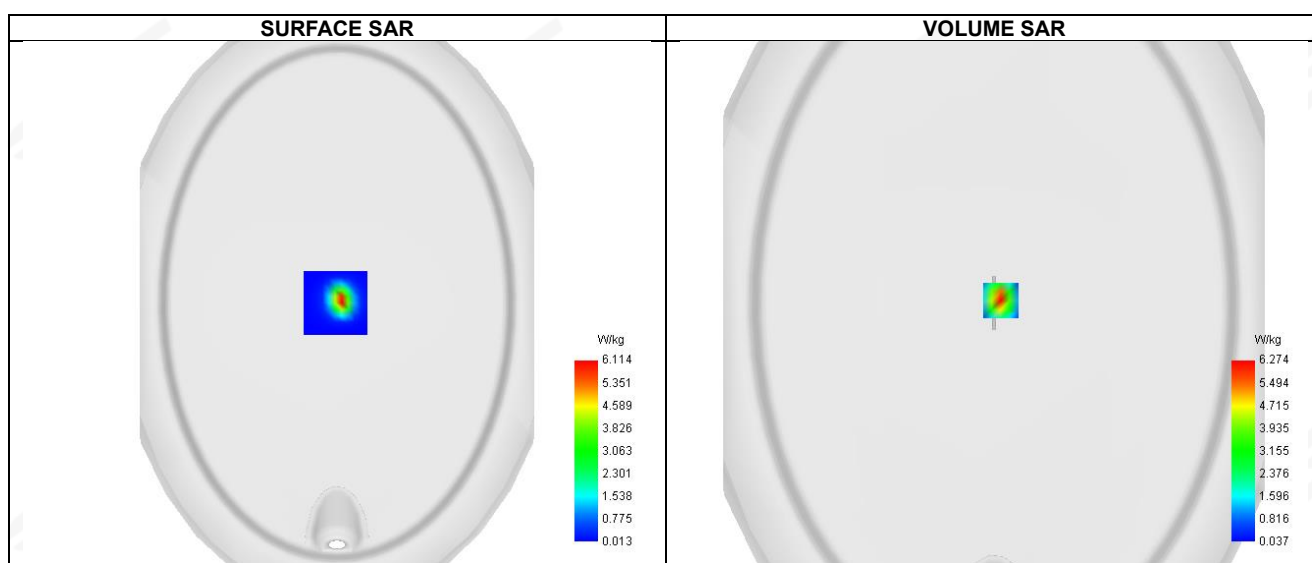
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-09-28

**Experimental conditions.**

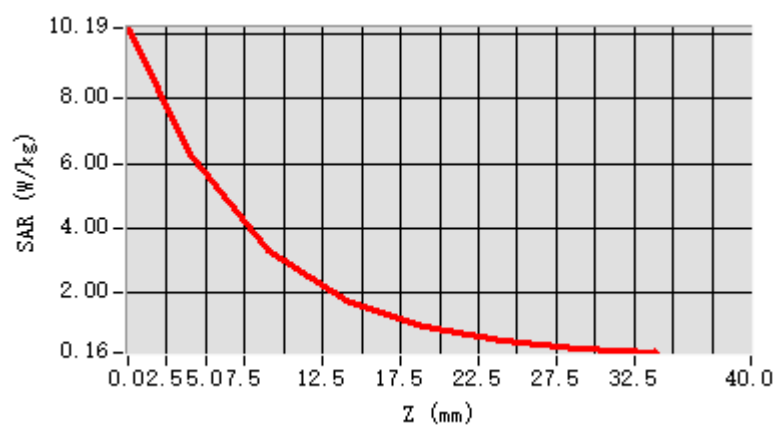
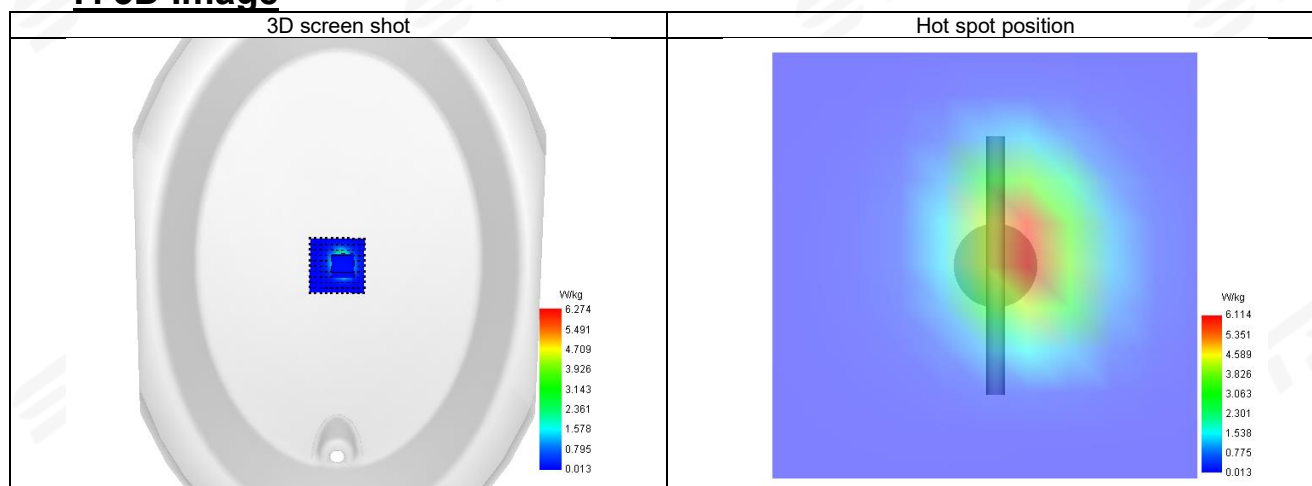
|                       |                  |
|-----------------------|------------------|
| Phantom               | Validation plane |
| Device Position       | Dipole           |
| Band                  | 2600MHz          |
| Channels              | Middle           |
| Signal                | CW               |
| Frequency (MHz)       | 2600             |
| Relative permittivity | 38.85            |
| Conductivity (S/m)    | 1.95             |
| Probe                 | SN 08/21 EPGO352 |
| ConvF                 | 1.70             |
| Crest factor:         | 1:1              |

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

|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 2.327     |
| SAR 1g (W/Kg)                                         | 5.573     |
| Horizontal validation criteria: minimum distance (mm) | 11.313708 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 52.539842 |

**E. Z Axis Scan**

| Z (mm)     | 0.00   | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|--------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 10.187 | 6.274 | 3.296 | 1.793 | 0.962 | 0.516 | 0.277 |

**F. 3D Image**

**System Performance Check Data (5200MHz)**

Type: Dipole measurement (Complete)

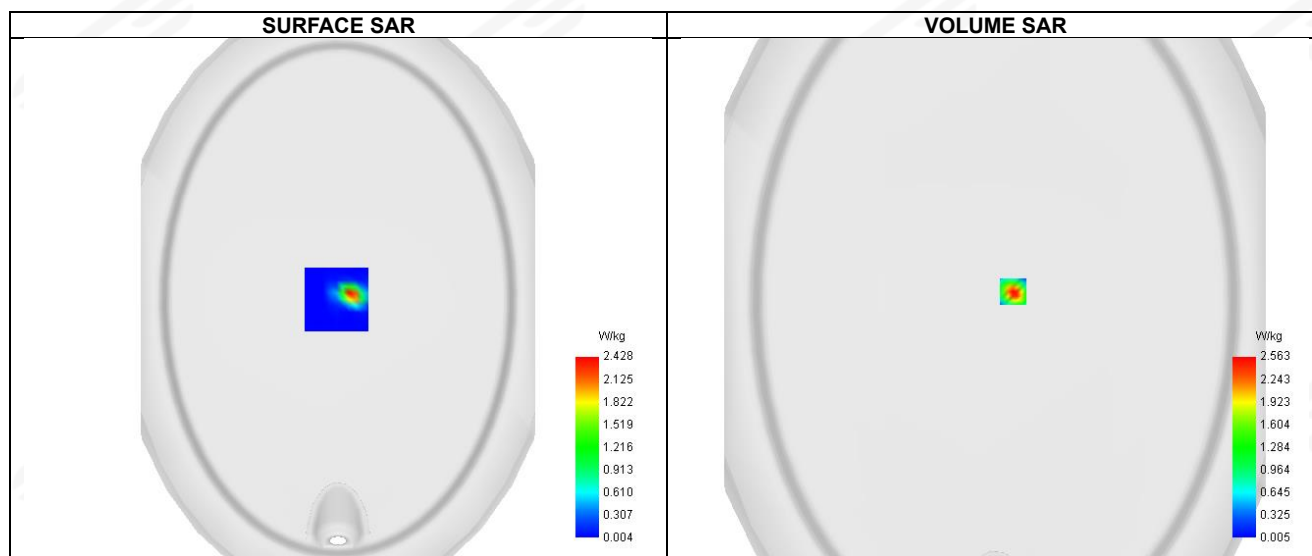
Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2025-09-28

**Experimental conditions.**

| Phantom               | Validation plane |
|-----------------------|------------------|
| Device Position       | Dipole           |
| Band                  | 5200MHz          |
| Channels              | Middle           |
| Signal                | CW               |
| Frequency (MHz)       | 5200             |
| Relative permittivity | 36.24            |
| Conductivity (S/m)    | 4.64             |
| Probe                 | SN 08/21 EPGO352 |
| ConvF                 | 1.37             |
| Crest factor:         | 1:1              |



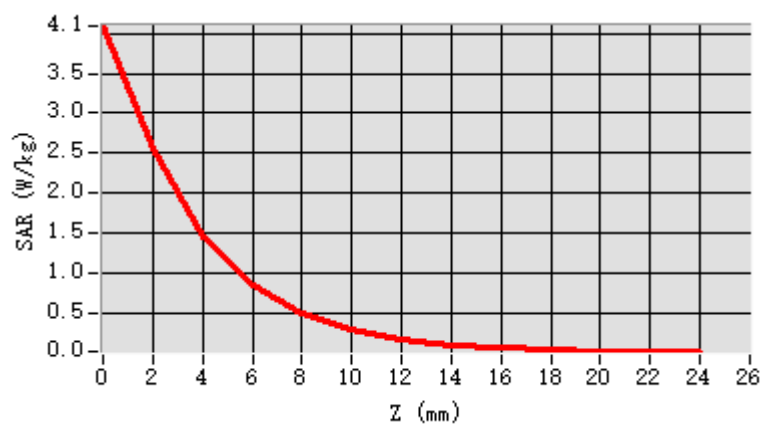
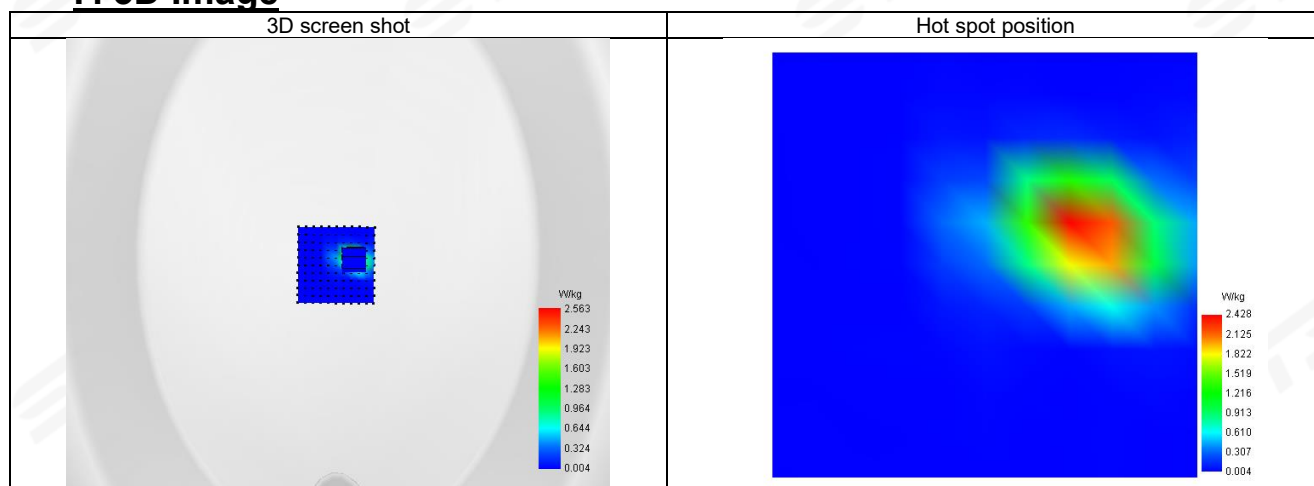
Maximum location: X=16.00, Y=7.00 ; SAR Peak: 4.34 W/kg

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

|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.550     |
| SAR 1g (W/Kg)                                         | 1.548     |
| Horizontal validation criteria: minimum distance (mm) | 11.313708 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 56.867184 |

**E. Z Axis Scan**

| Z (mm)     | 0.00  | 2.00  | 4.00  | 6.00  | 8.00  | 10.00 | 12.00 | 14.00 | 16.00 | 18.00 | 20.00 | 22.00 | 24.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 4.093 | 2.563 | 1.457 | 0.833 | 0.498 | 0.289 | 0.168 | 0.098 | 0.057 | 0.033 | 0.019 | 0.011 | 0.006 |

**F. 3D Image**

**System Performance Check Data (5400MHz)**

Type: Dipole measurement (Complete)

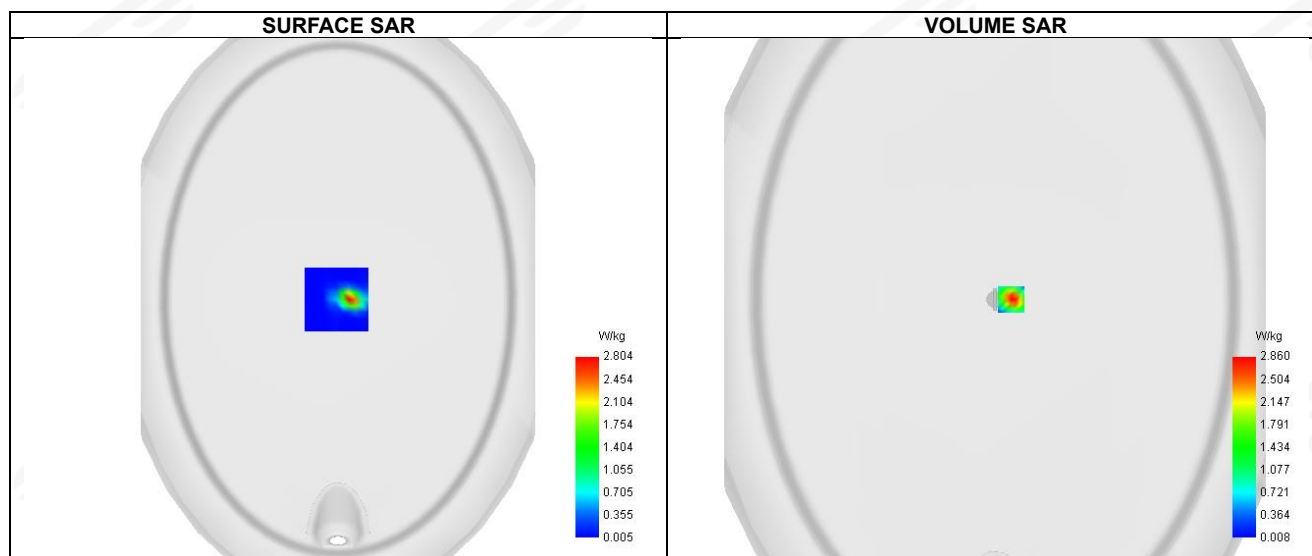
Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2025-09-29

**Experimental conditions.**

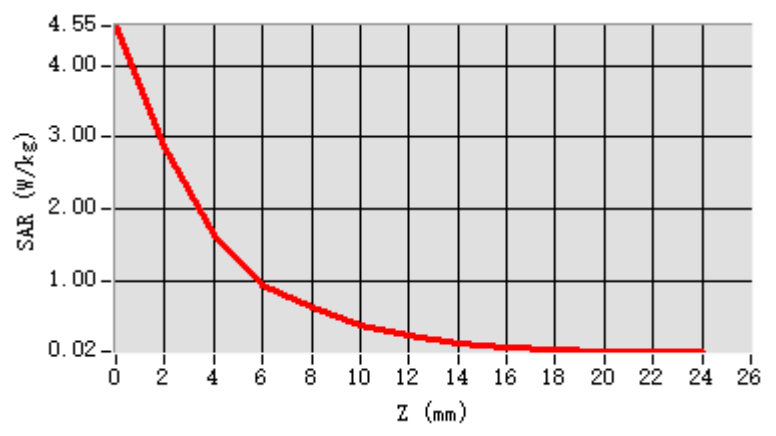
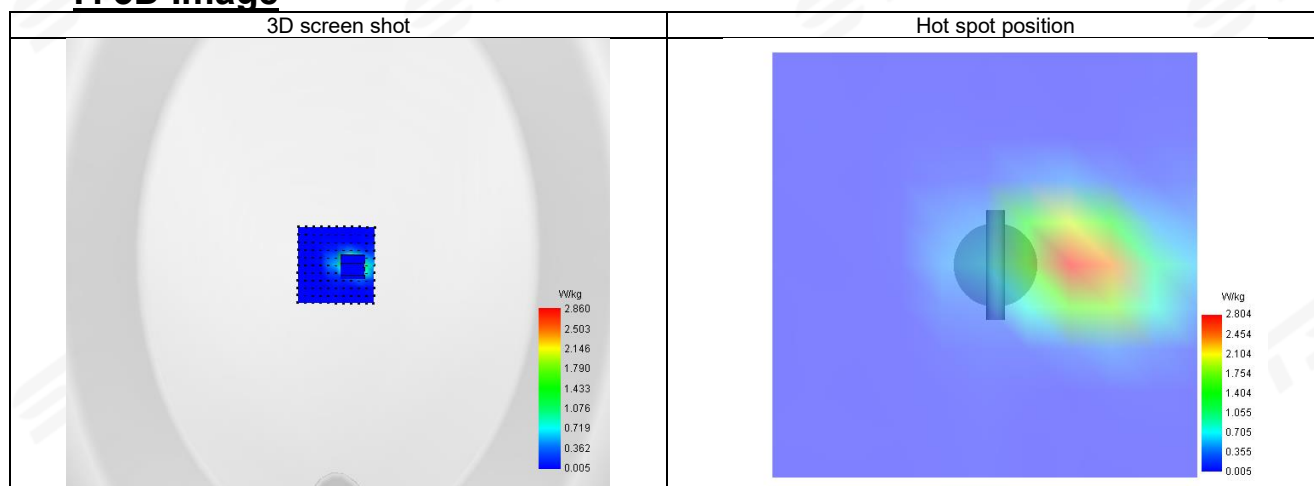
| Phantom               | Validation plane |
|-----------------------|------------------|
| Device Position       | Dipole           |
| Band                  | 5400MHz          |
| Channels              | Middle           |
| Signal                | CW               |
| Frequency (MHz)       | 5400             |
| Relative permittivity | 35.84            |
| Conductivity (S/m)    | 4.84             |
| Probe                 | SN 08/21 EPGO352 |
| ConvF                 | 1.26             |
| Crest factor:         | 1:1              |

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

|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.627     |
| SAR 1g (W/Kg)                                         | 1.759     |
| Horizontal validation criteria: minimum distance (mm) | 8.944272  |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 57.359453 |

**E. Z Axis Scan**

| Z (mm)     | 0.00  | 2.00  | 4.00  | 6.00  | 8.00  | 10.00 | 12.00 | 14.00 | 16.00 | 18.00 | 20.00 | 22.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 4.546 | 2.860 | 1.641 | 0.937 | 0.623 | 0.379 | 0.231 | 0.141 | 0.086 | 0.052 | 0.032 | 0.019 |

**F. 3D Image**

**System Performance Check Data (5600MHz)**

Type: Dipole measurement (Complete)

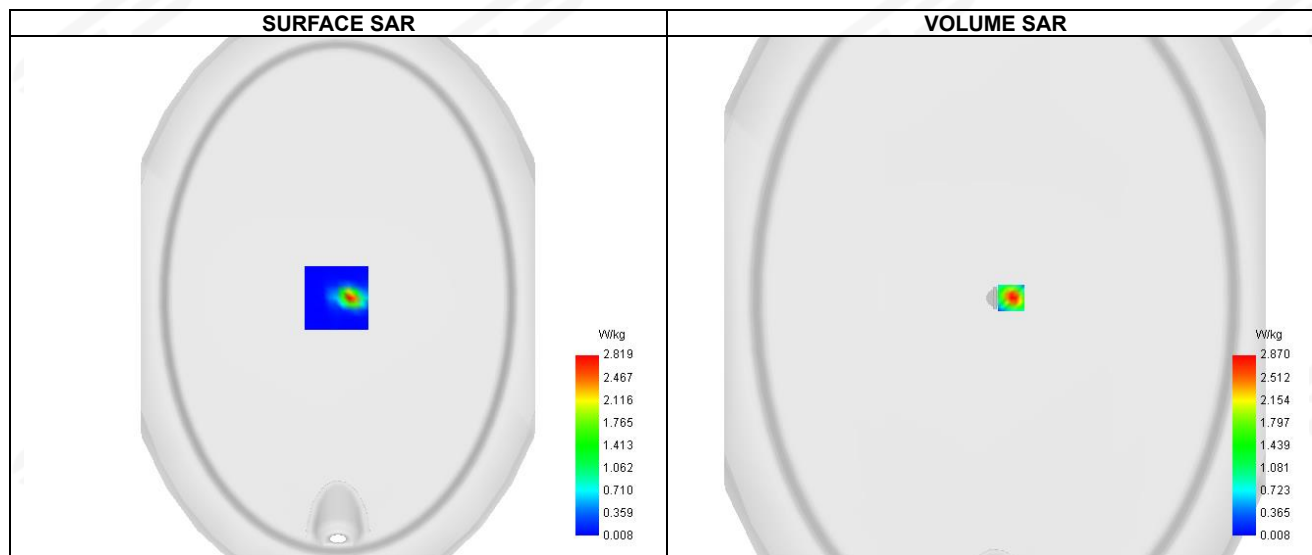
Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2025-09-29

**Experimental conditions.**

| Phantom               | Validation plane |
|-----------------------|------------------|
| Device Position       | Dipole           |
| Band                  | 5600MHz          |
| Channels              | Middle           |
| Signal                | CW               |
| Frequency (MHz)       | 5600             |
| Relative permittivity | 35.69            |
| Conductivity (S/m)    | 5.06             |
| Probe                 | SN 08/21 EPGO352 |
| ConvF                 | 1.21             |
| Crest factor:         | 1:1              |



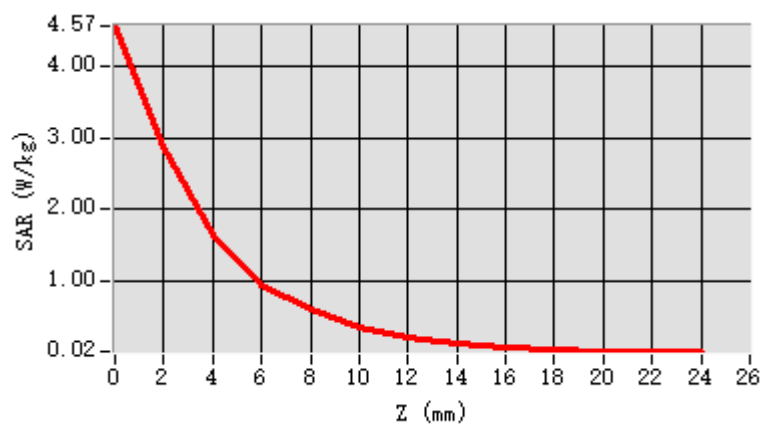
Maximum location: X=15.00, Y=0.00 ; SAR Peak: 4.89 W/kg

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

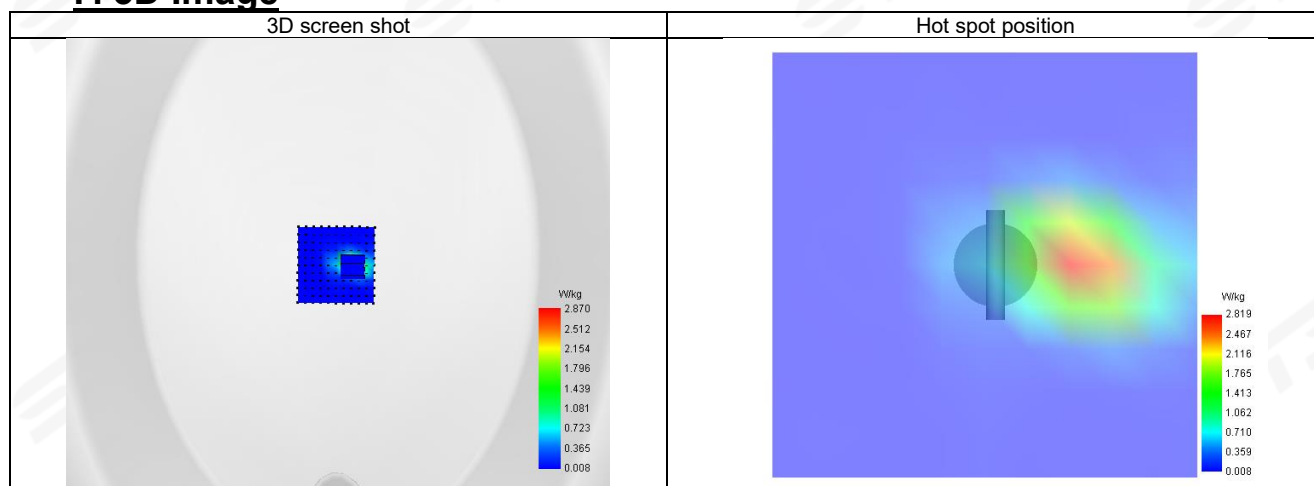
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.634     |
| SAR 1g (W/Kg)                                         | 1.770     |
| Horizontal validation criteria: minimum distance (mm) | 8.944272  |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 57.130406 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 2.00  | 4.00  | 6.00  | 8.00  | 10.00 | 12.00 | 14.00 | 16.00 | 18.00 | 20.00 | 22.00 | 24.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 4.567 | 2.870 | 1.640 | 0.938 | 0.610 | 0.368 | 0.222 | 0.134 | 0.081 | 0.049 | 0.029 | 0.018 | 0.018 |



### F. 3D Image



**System Performance Check Data (5800MHz)**

Type: Dipole measurement (Complete)

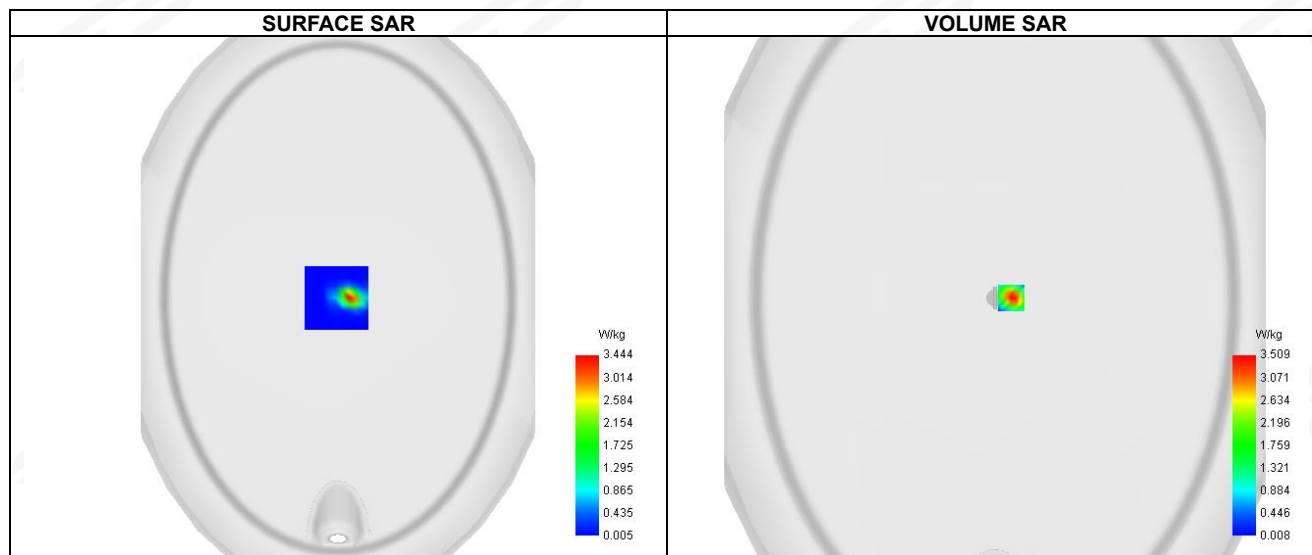
Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2025-09-29

**Experimental conditions.**

| Phantom               | Validation plane |
|-----------------------|------------------|
| Device Position       | Dipole           |
| Band                  | 5800MHz          |
| Channels              | Middle           |
| Signal                | CW               |
| Frequency (MHz)       | 5800             |
| Relative permittivity |                  |
| Conductivity (S/m)    | 5.26             |
| Probe                 | SN 08/21 EPGO352 |
| ConvF                 | 1.32             |
| Crest factor:         | 1:1              |



Maximum location: X=15.00, Y=0.00 ; SAR Peak: 5.94 W/kg

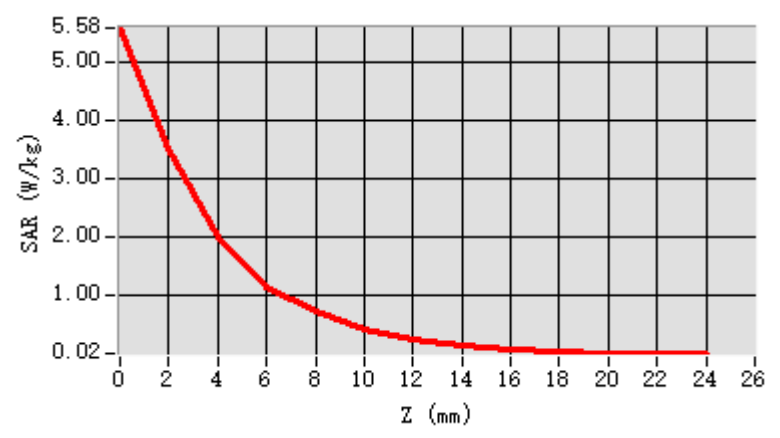
**D. SAR 1g & 10g**

|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.767     |
| SAR 1g (W/Kg)                                         | 2.160     |
| Horizontal validation criteria: minimum distance (mm) | 8.944272  |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 57.140684 |

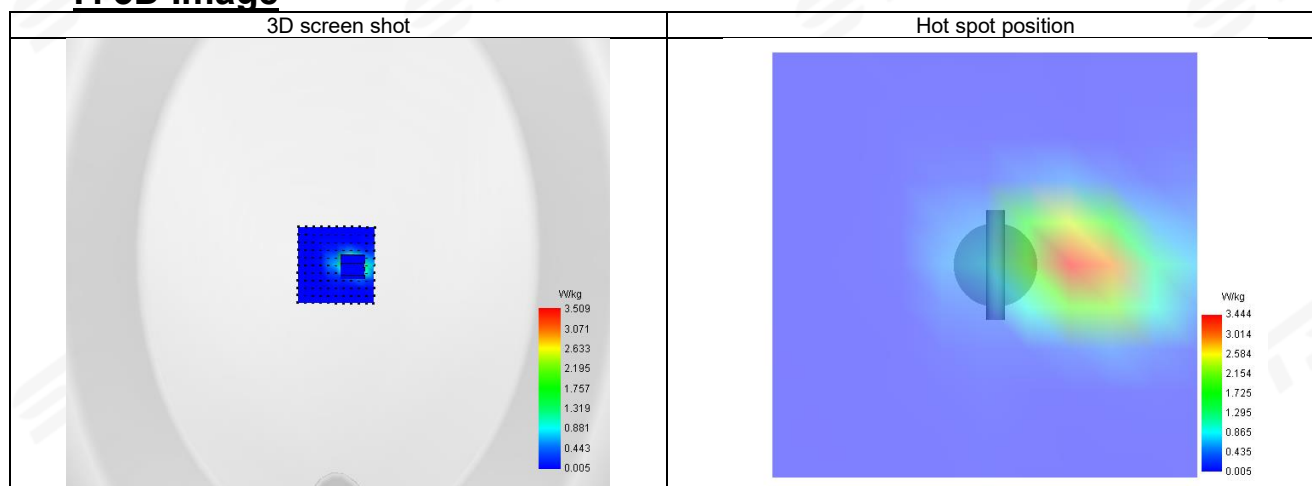


### E. Z Axis Scan

|            |       |       |       |       |       |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 2.00  | 4.00  | 6.00  | 8.00  | 10.00 | 12.00 | 14.00 | 16.00 | 18.00 | 20.00 | 22.00 |
| SAR (W/Kg) | 5.579 | 3.509 | 2.005 | 1.155 | 0.733 | 0.438 | 0.262 | 0.157 | 0.094 | 0.056 | 0.034 | 0.020 |



### F. 3D Image

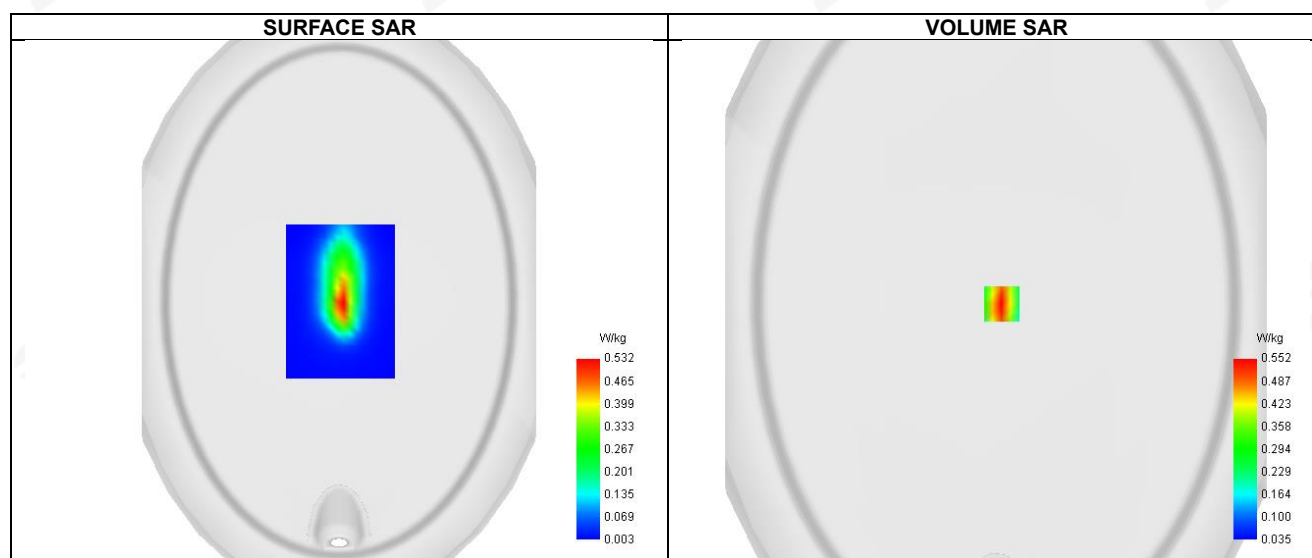




## Appendix B. SAR Test Plots

Plot 1: DUT: 10.51 tablet; EUT Model: B610A415I

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Test Date                         | 2025-09-25                           |
| ConvF                             | 1.49                                 |
| Probe                             | SN 08/21 EPGO352                     |
| Area Scan                         | dx=8mm, dy=8mm, h= 5.00 mm           |
| Zoom Scan                         | 5x5x7, dx=8mm, dy=8mm, dz=5mm        |
| Phantom                           | Validation plane                     |
| Device Position                   | Back Side                            |
| Band                              | GPRS 850                             |
| Signal                            | Duty Cycle: 2.00 (Crest factor: 2.0) |
| Frequency (MHz)                   | 824.2                                |
| Relative permittivity (real part) | 42.41                                |
| Conductivity (S/m)                | 0.91                                 |

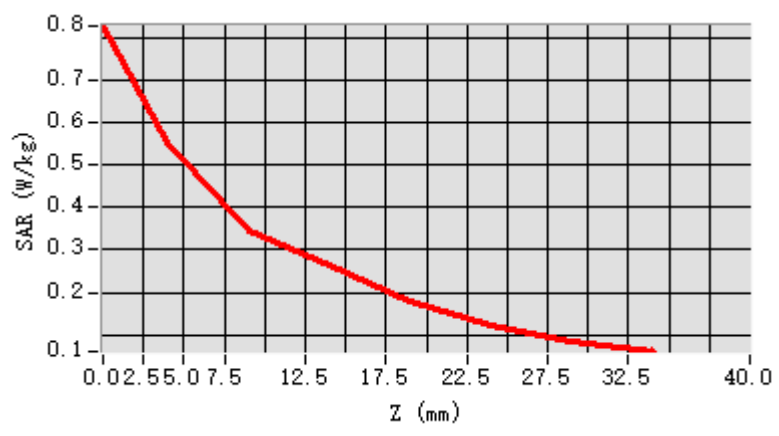
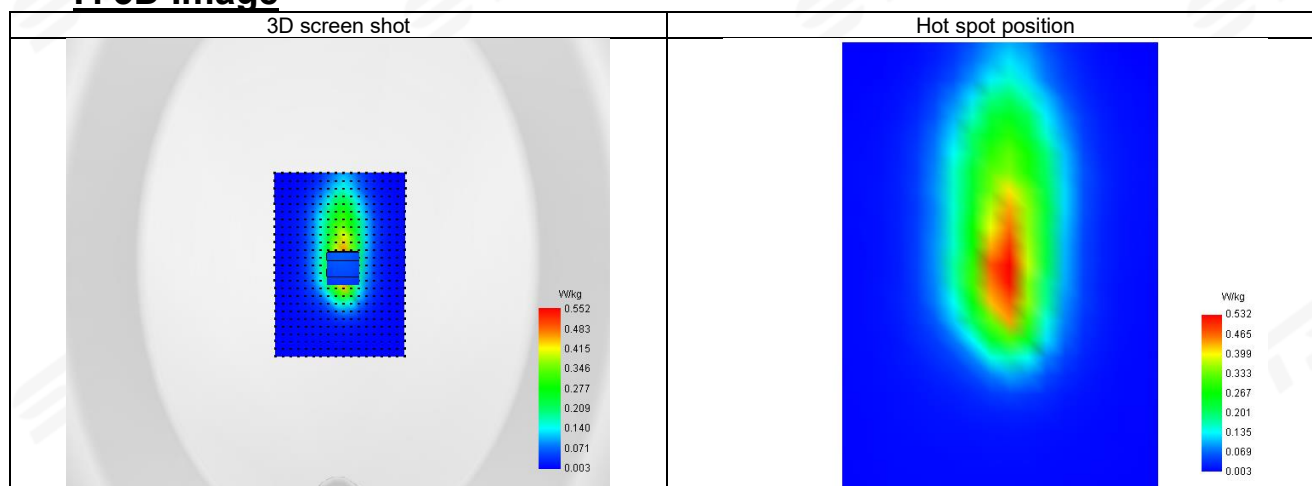


### D. SAR 1g & 10g

|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.319     |
| SAR 1g (W/Kg)                                         | 0.529     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 63.598852 |

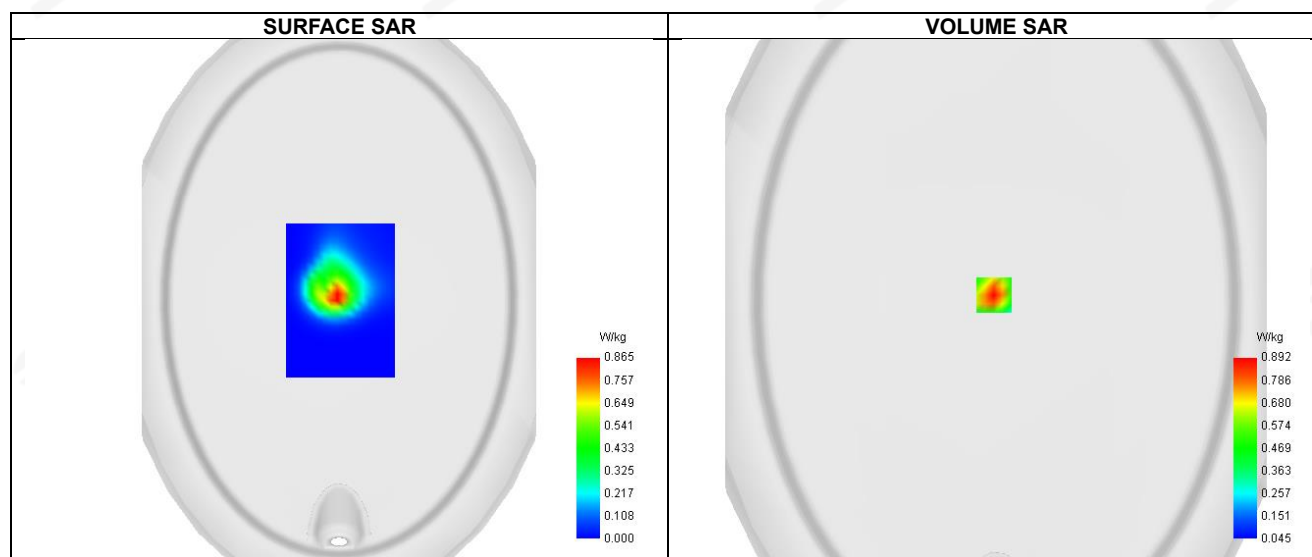
**E. Z Axis Scan**

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.829 | 0.552 | 0.343 | 0.263 | 0.177 | 0.122 | 0.085 |

**F. 3D Image**

**Plot 2: DUT: 10.51 tablet; EUT Model: B610A415I**

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Test Date                         | 2025-09-24                           |
| ConvF                             | 1.54                                 |
| Probe                             | SN 08/21 EPG0352                     |
| Area Scan                         | dx=8mm, dy=8mm, h= 5.00 mm           |
| Zoom Scan                         | 5x5x7, dx=8mm, dy=8mm, dz=5mm        |
| Phantom                           | Validation plane                     |
| Device Position                   | Back Side                            |
| Band                              | GPRS 1900                            |
| Signal                            | Duty Cycle: 2.00 (Crest factor: 2.0) |
| Frequency (MHz)                   | 1850.2                               |
| Relative permittivity (real part) | 40.54                                |
| Conductivity (S/m)                | 1.48                                 |



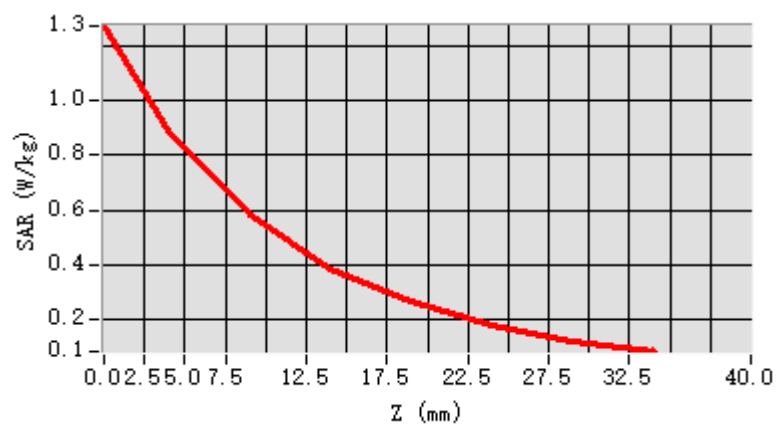
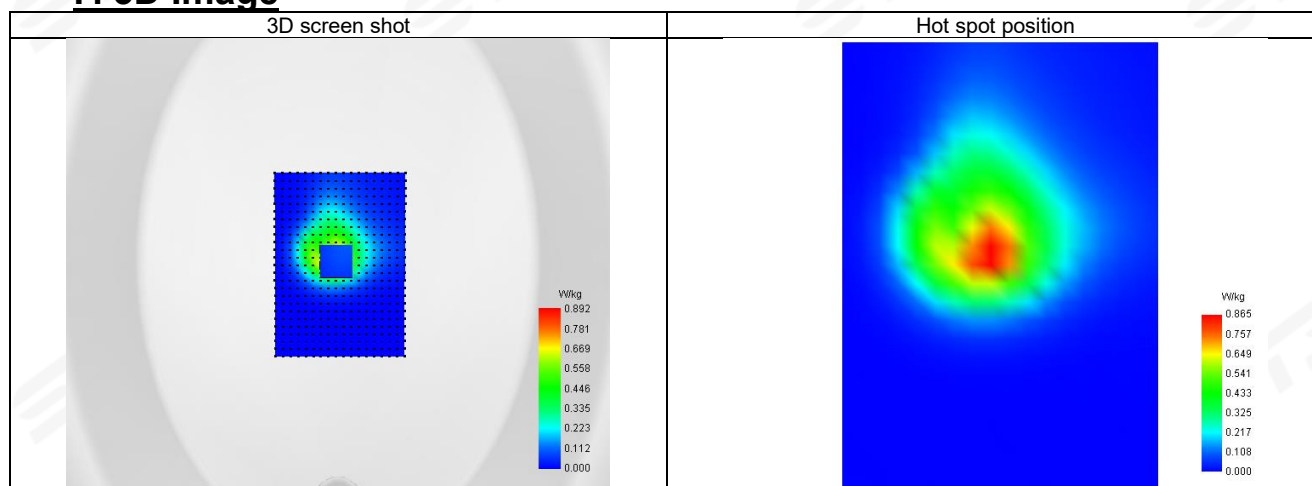
Maximum location: X=-2.00, Y=5.00 ; SAR Peak: 1.30 W/kg

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

|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.510     |
| SAR 1g (W/Kg)                                         | 0.758     |
| Horizontal validation criteria: minimum distance (mm) | 17.888544 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 65.002174 |

**E. Z Axis Scan**

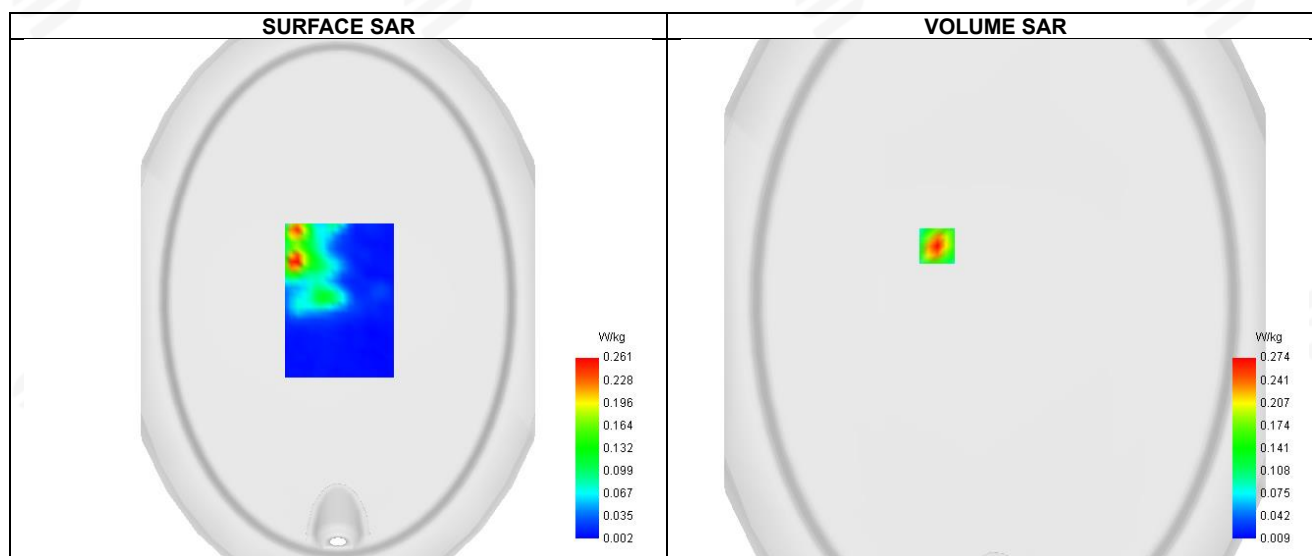
|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 1.272 | 0.892 | 0.580 | 0.384 | 0.264 | 0.177 | 0.119 |

**F. 3D Image**



## Plot 3: DUT: 10.51 tablet; EUT Model: B610A415I

|                                   |                               |
|-----------------------------------|-------------------------------|
| Test Date                         | 2025-09-24                    |
| ConvF                             | 1.54                          |
| Probe                             | SN 08/21 EPG0352              |
| Area Scan                         | dx=8mm, dy=8mm, h= 5.00 mm    |
| Zoom Scan                         | 5x5x7, dx=8mm, dy=8mm, dz=5mm |
| Phantom                           | Validation plane              |
| Device Position                   | Back Side                     |
| Band                              | WCDMA 2                       |
| Signal                            | WCDMA (Crest factor: 1.0)     |
| Frequency (MHz)                   | 1852.4                        |
| Relative permittivity (real part) | 40.17                         |
| Conductivity (S/m)                | 1.39                          |



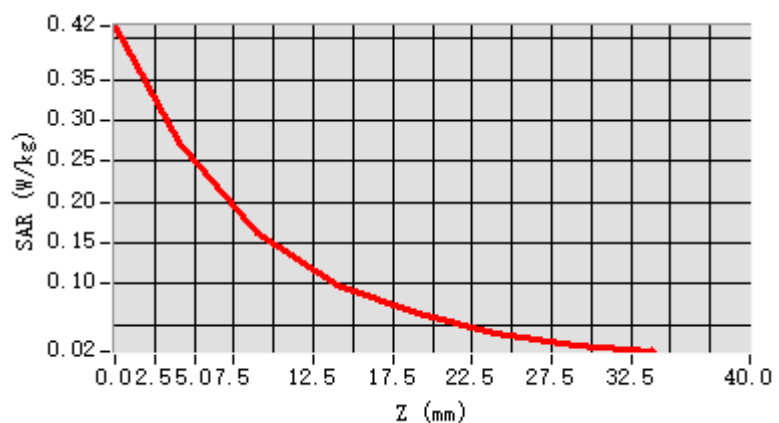
Maximum location: X=-52.00, Y=49.00 ; SAR Peak: 0.41 W/kg

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

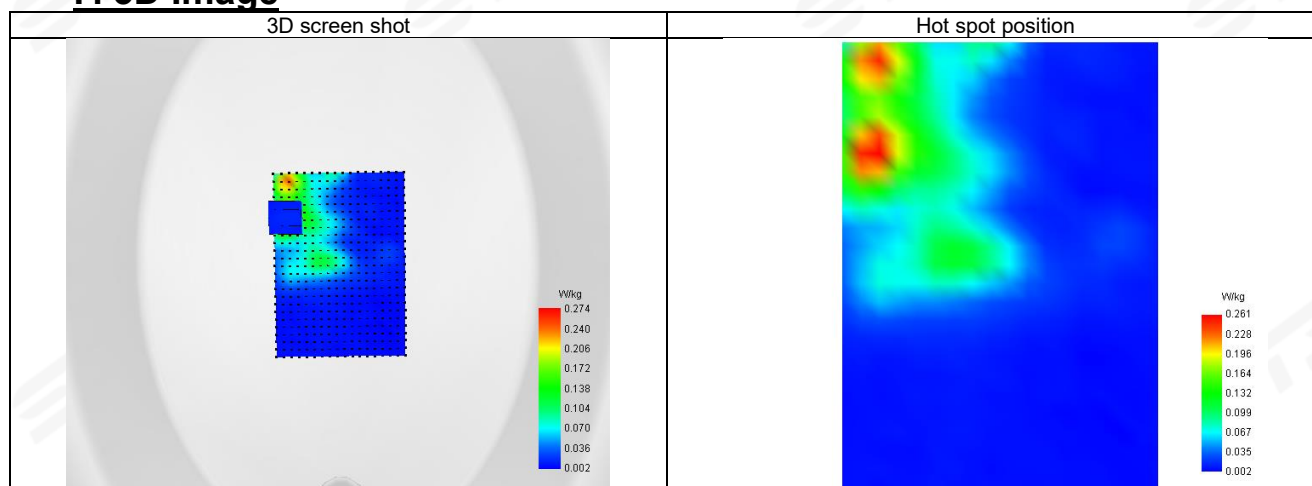
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.139     |
| SAR 1g (W/Kg)                                         | 0.257     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 59.518230 |

## E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.416 | 0.274 | 0.163 | 0.099 | 0.064 | 0.040 | 0.024 |

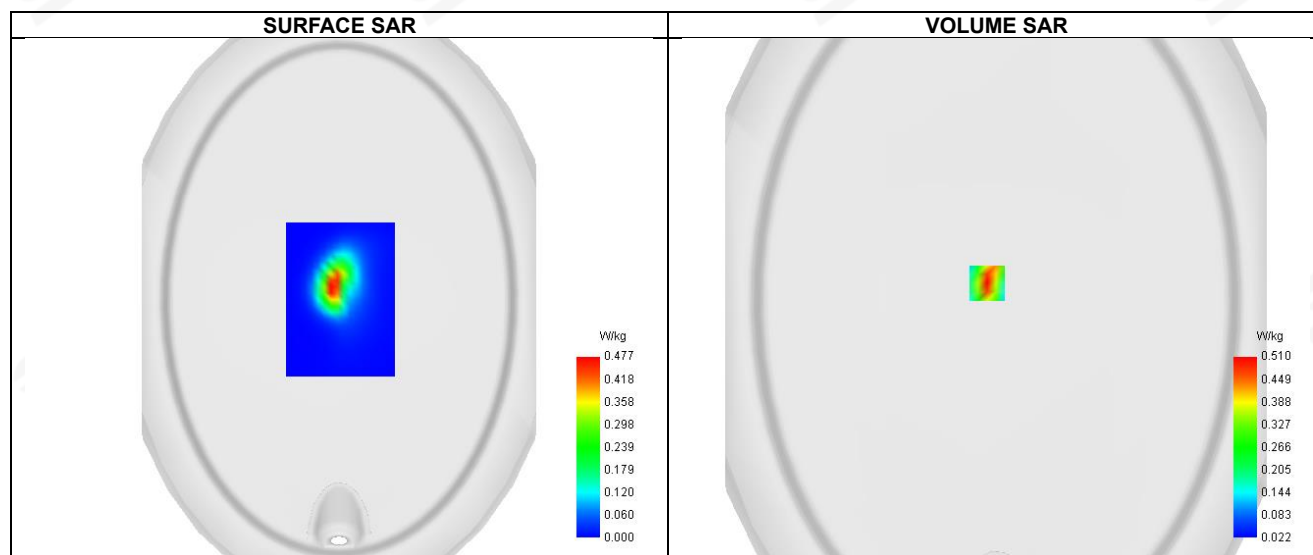


## F. 3D Image



**Plot 4: DUT: 10.51 tablet; EUT Model: B610A415I**

|                                   |                               |
|-----------------------------------|-------------------------------|
| Test Date                         | 2025-09-25                    |
| ConvF                             | 1.49                          |
| Probe                             | SN 08/21 EPGO352              |
| Area Scan                         | dx=8mm, dy=8mm, h= 5.00 mm    |
| Zoom Scan                         | 5x5x7, dx=8mm, dy=8mm, dz=5mm |
| Phantom                           | Validation plane              |
| Device Position                   | Back Side                     |
| Band                              | WCDMA 5                       |
| Signal                            | WCDMA (Crest factor: 1.0)     |
| Frequency (MHz)                   | 846.6                         |
| Relative permittivity (real part) | 41.83                         |
| Conductivity (S/m)                | 0.89                          |



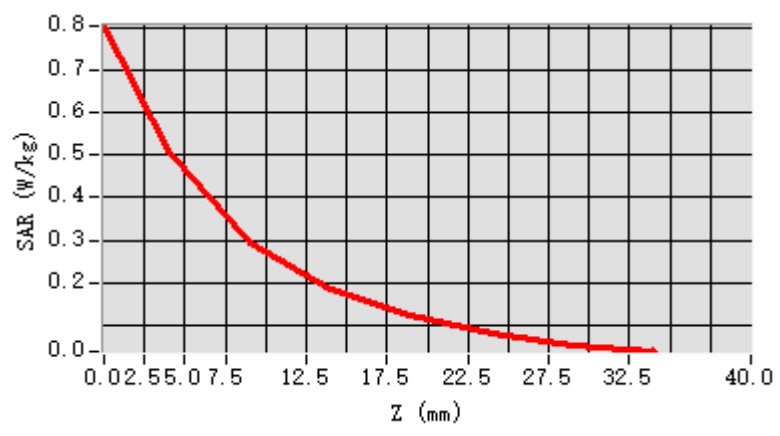
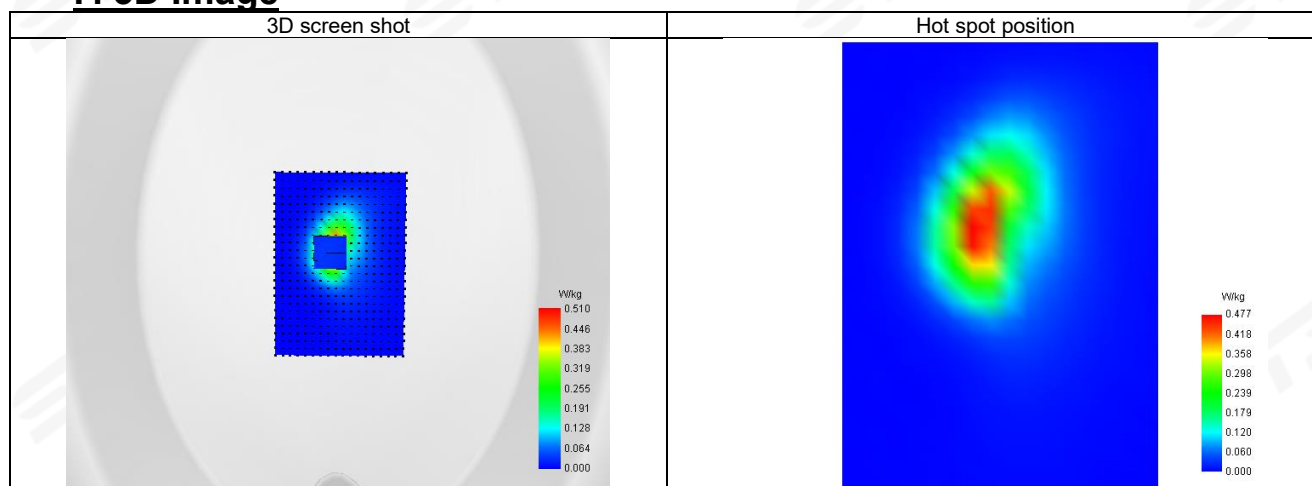
Maximum location: X=-8.00, Y=15.00 ; SAR Peak: 0.80 W/kg

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

|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.262     |
| SAR 1g (W/Kg)                                         | 0.480     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 57.511289 |

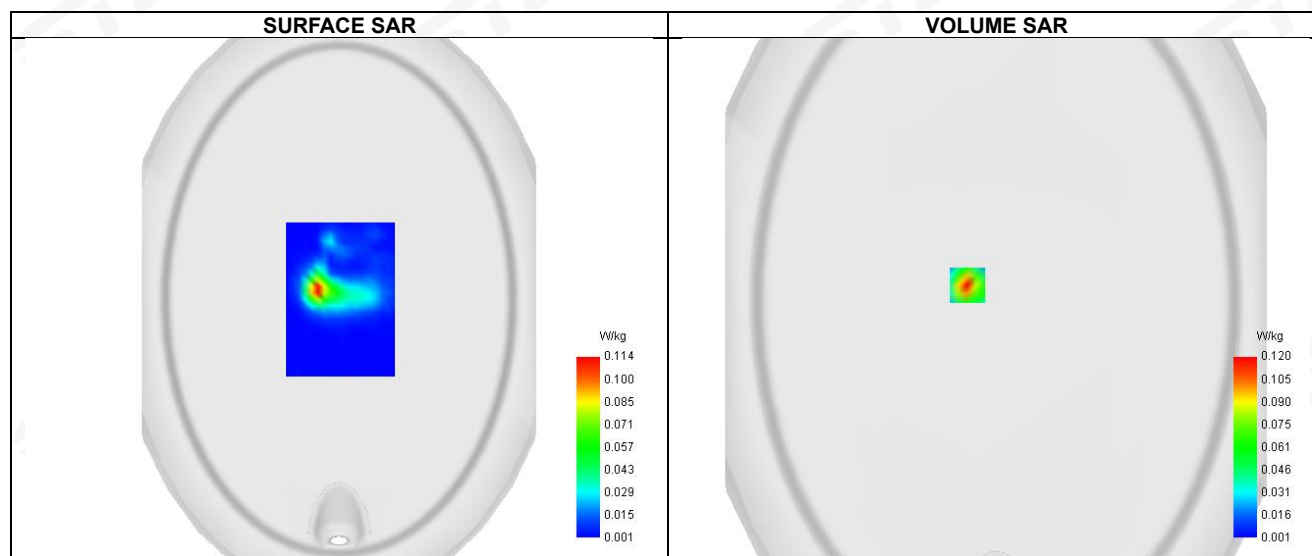
**E. Z Axis Scan**

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.806 | 0.510 | 0.293 | 0.185 | 0.123 | 0.078 | 0.049 |

**F. 3D Image**

**Plot 5: DUT: 10.51 tablet; EUT Model: B610A415I**

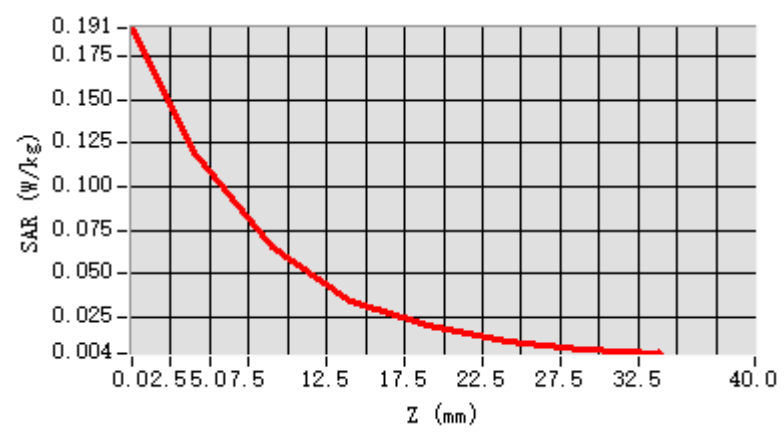
|                                   |                               |
|-----------------------------------|-------------------------------|
| Test Date                         | 2025-09-28                    |
| ConvF                             | 1.82                          |
| Probe                             | SN 08/21 EPGO352              |
| Area Scan                         | dx=8mm, dy=8mm, h= 5.00 mm    |
| Zoom Scan                         | 5x5x7, dx=8mm, dy=8mm, dz=5mm |
| Phantom                           | Validation plane              |
| Device Position                   | Back Side                     |
| Band                              | IEEE 802.11b ISM              |
| Signal                            | IEEE802.b (Crest factor: 1.0) |
| Frequency (MHz)                   | 2437                          |
| Relative permittivity (real part) | 38.85                         |
| Conductivity (S/m)                | 1.77                          |

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

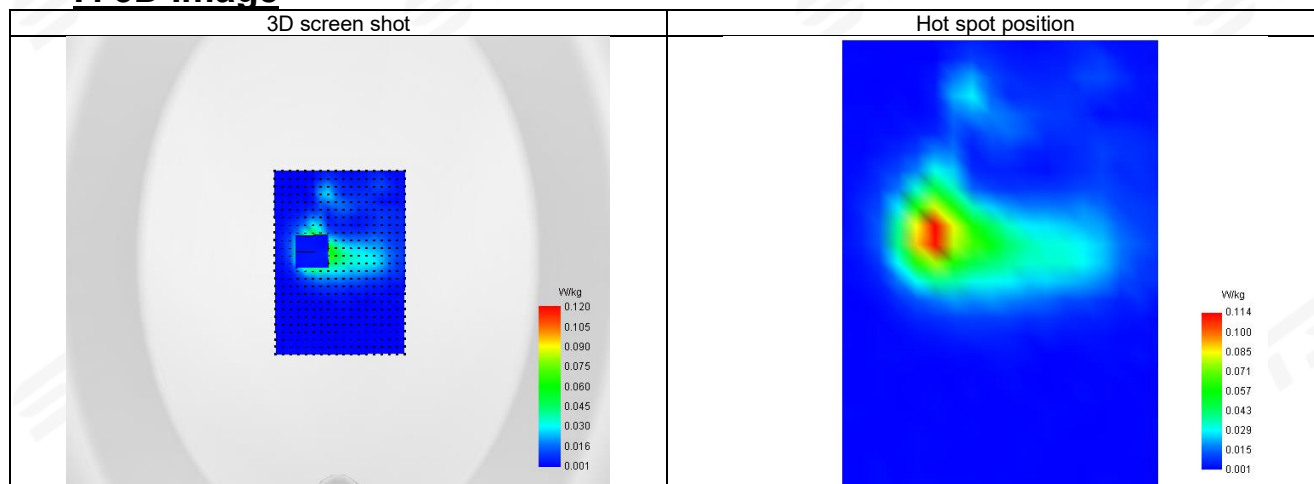
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.054     |
| SAR 1g (W/Kg)                                         | 0.110     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 54.865705 |

## E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.191 | 0.120 | 0.066 | 0.034 | 0.020 | 0.011 | 0.006 |



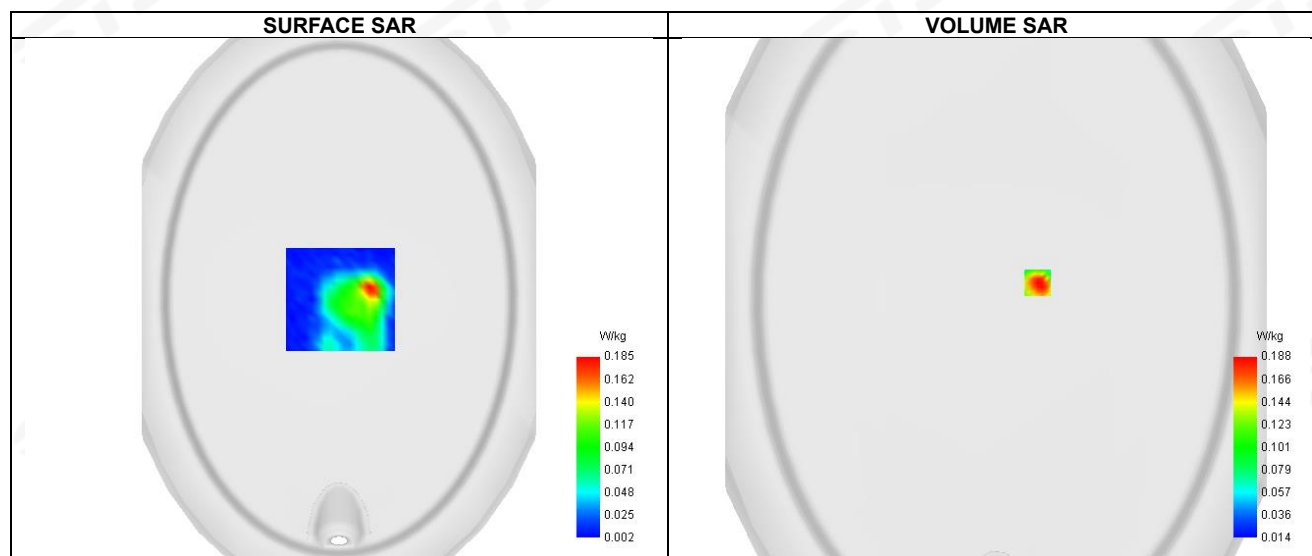
## F. 3D Image





## Plot 6: DUT: 10.51 tablet; EUT Model: B610A4151

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Test Date                         | 2025-09-28                         |
| ConvF                             | 1.37                               |
| Probe                             | SN 08/21 EPGO352                   |
| Area Scan                         | dx=8mm, dy=8mm, h= 5.00 mm         |
| Zoom Scan                         | 7x7x12, dx=4mm, dy=4mm, dz=2mm,    |
| Phantom                           | Validation plane                   |
| Device Position                   | Back Side                          |
| Band                              | 5.2G WIFI                          |
| Signal                            | 802.11ac-VHT80 (Crest factor: 1.0) |
| Frequency (MHz)                   | 5210                               |
| Relative permittivity (real part) | 36.83                              |
| Conductivity (S/m)                | 4.68                               |



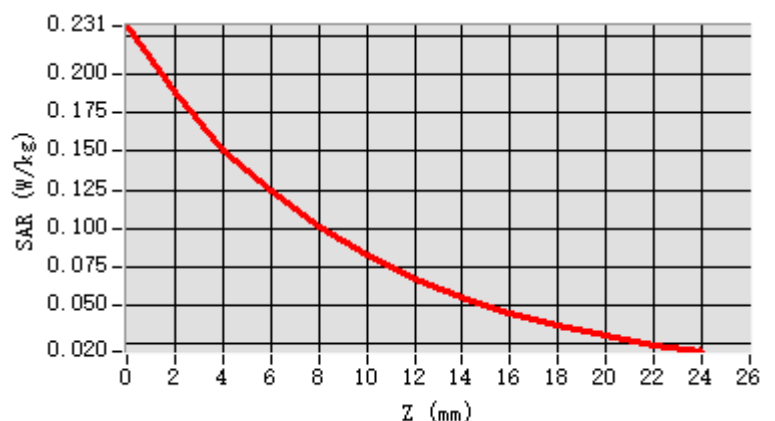
Maximum location: X=38.00, Y=15.00 ; SAR Peak: 0.25 W/kg

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

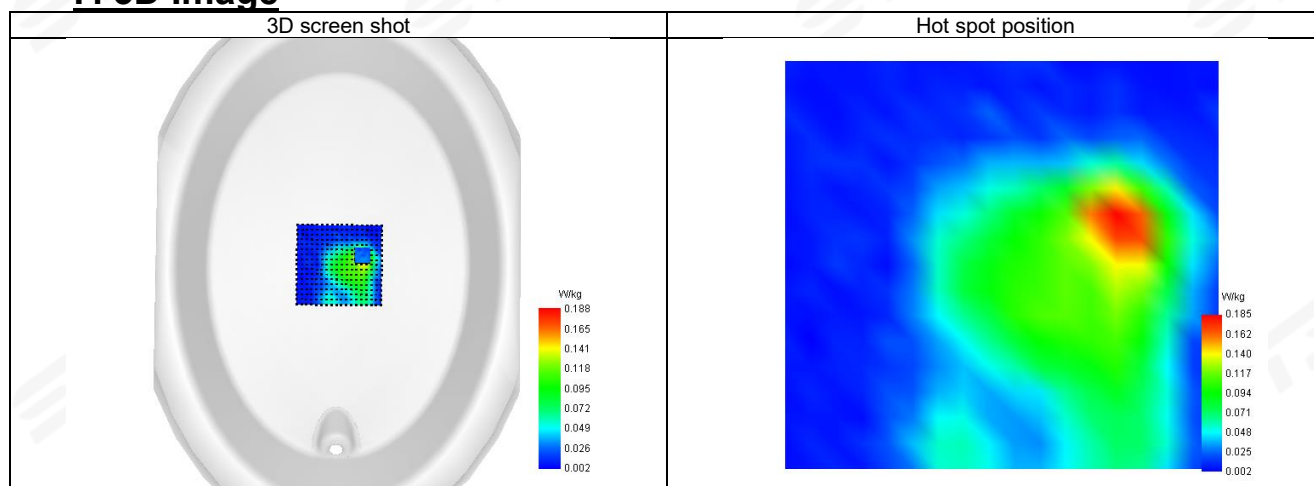
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.077     |
| SAR 1g (W/Kg)                                         | 0.143     |
| Horizontal validation criteria: minimum distance (mm) | 14.422205 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 82.131714 |

## E. Z Axis Scan

| Z (mm)     | 0.00  | 2.00  | 4.00  | 6.00  | 8.00  | 10.00 | 12.00 | 14.00 | 16.00 | 18.00 | 20.00 | 22.00 | 24.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.231 | 0.188 | 0.150 | 0.124 | 0.101 | 0.083 | 0.068 | 0.055 | 0.045 | 0.037 | 0.030 | 0.025 | 0.020 |



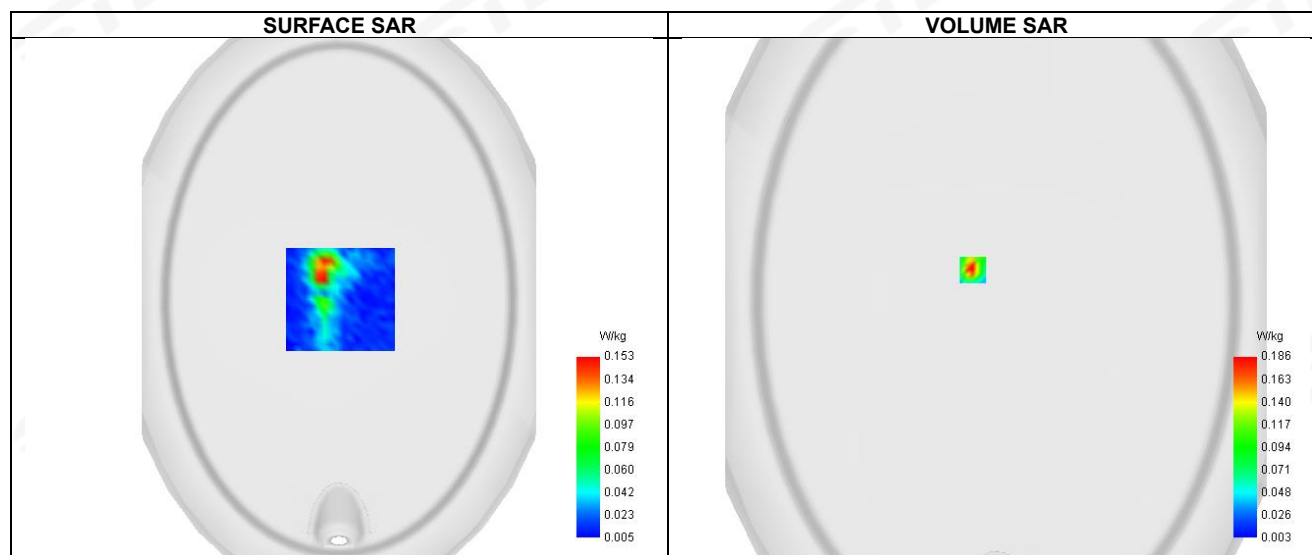
## F. 3D Image





## Plot 7: DUT: 10.51 tablet; EUT Model: B610A415I

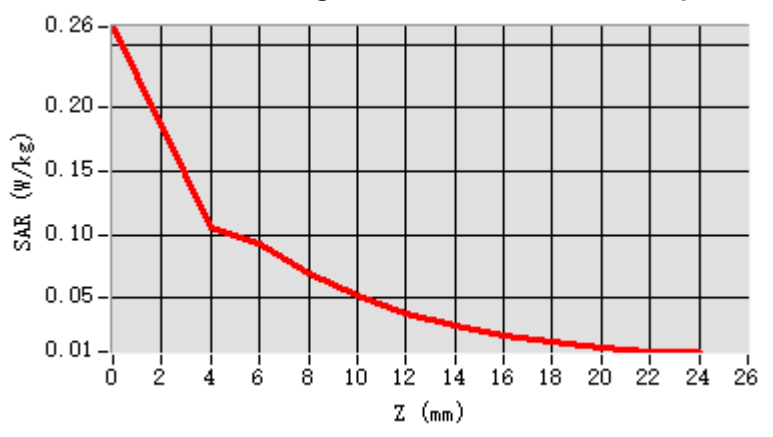
|                                   |                                    |
|-----------------------------------|------------------------------------|
| Test Date                         | 2025-09-29                         |
| ConvF                             | 1.26                               |
| Probe                             | SN 08/21 EPGO352                   |
| Area Scan                         | dx=8mm, dy=8mm, h= 5.00 mm         |
| Zoom Scan                         | 7x7x12, dx=4mm, dy=4mm, dz=2mm,    |
| Phantom                           | Validation plane                   |
| Device Position                   | Back Side                          |
| Band                              | 5.3G WIFI                          |
| Signal                            | 802.11ac-VHT40 (Crest factor: 1.0) |
| Frequency (MHz)                   | 5310                               |
| Relative permittivity (real part) | 36.25                              |
| Conductivity (S/m)                | 4.78                               |

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

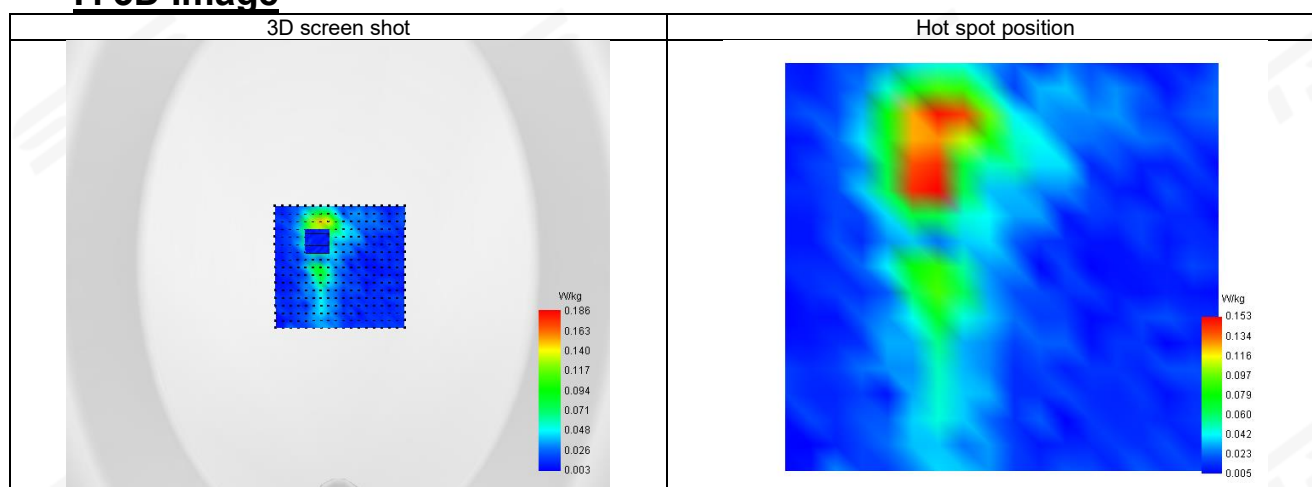
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.049     |
| SAR 1g (W/Kg)                                         | 0.130     |
| Horizontal validation criteria: minimum distance (mm) | 8.944272  |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 57.260844 |

**E. Z Axis Scan**

|            |       |       |       |       |       |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 2.00  | 4.00  | 6.00  | 8.00  | 10.00 | 12.00 | 14.00 | 16.00 | 18.00 | 20.00 | 22.00 |
| SAR (W/Kg) | 0.264 | 0.186 | 0.106 | 0.094 | 0.069 | 0.052 | 0.038 | 0.028 | 0.021 | 0.016 | 0.012 | 0.009 |



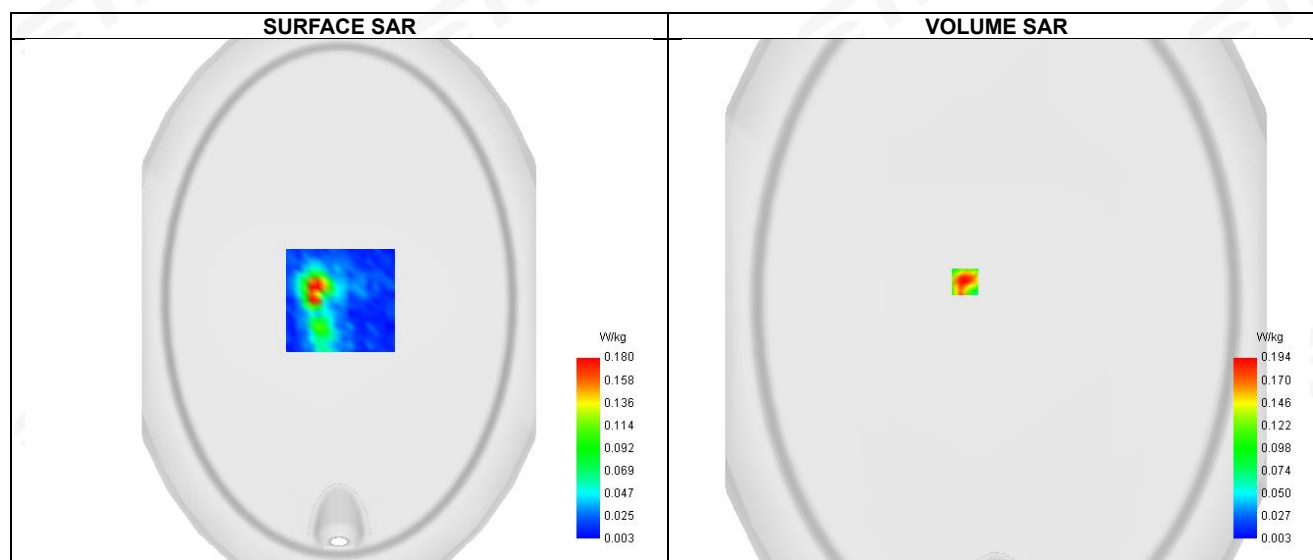
## F. 3D Image





## Plot 8: DUT: 10.51 tablet; EUT Model: B610A415I

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Test Date                         | 2025-09-29                         |
| ConvF                             | 1.21                               |
| Probe                             | SN 08/21 EPGO352                   |
| Area Scan                         | dx=8mm, dy=8mm, h= 5.00 mm         |
| Zoom Scan                         | 7x7x12, dx=4mm, dy=4mm, dz=2mm,    |
| Phantom                           | Validation plane                   |
| Device Position                   | Back Side                          |
| Band                              | 5.6G WIFI                          |
| Signal                            | 802.11ac-VHT40 (Crest factor: 1.0) |
| Frequency (MHz)                   | 5550                               |
| Relative permittivity (real part) | 35.09                              |
| Conductivity (S/m)                | 5.01                               |



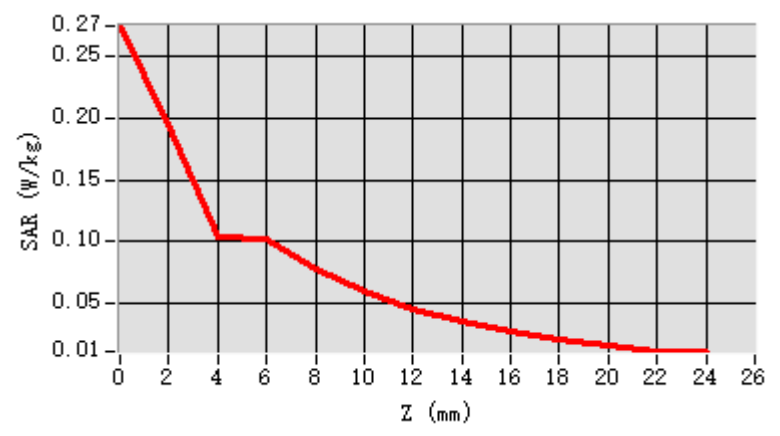
Maximum location: X=-28.00, Y=17.00 ; SAR Peak: 0.39 W/kg

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

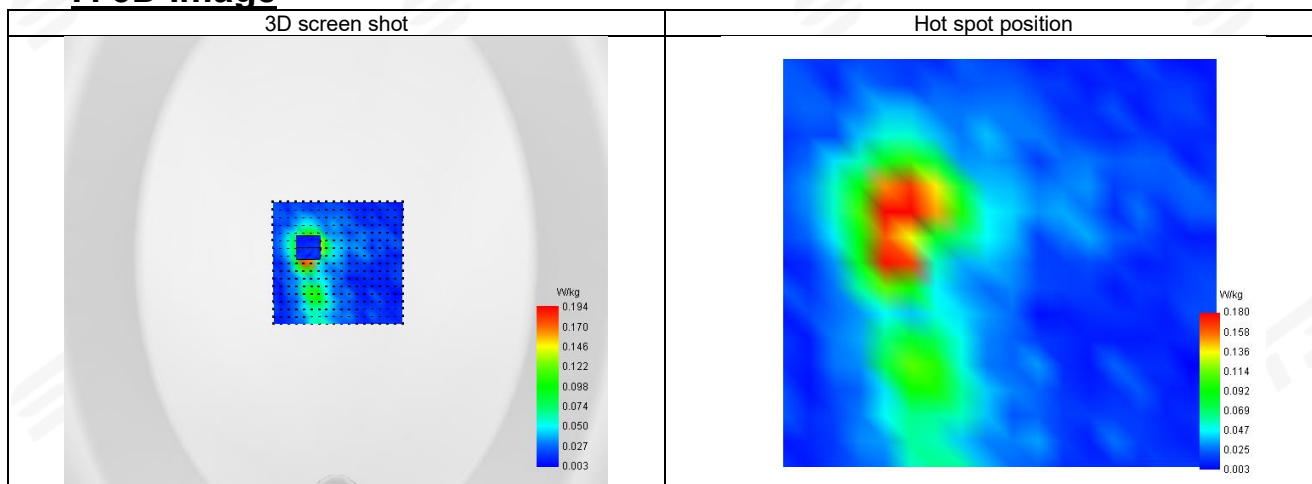
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.070     |
| SAR 1g (W/Kg)                                         | 0.153     |
| Horizontal validation criteria: minimum distance (mm) | 14.422205 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 55.333661 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 2.00  | 4.00  | 6.00  | 8.00  | 10.00 | 12.00 | 14.00 | 16.00 | 18.00 | 20.00 | 22.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.274 | 0.194 | 0.104 | 0.102 | 0.078 | 0.060 | 0.046 | 0.036 | 0.027 | 0.021 | 0.016 | 0.012 |

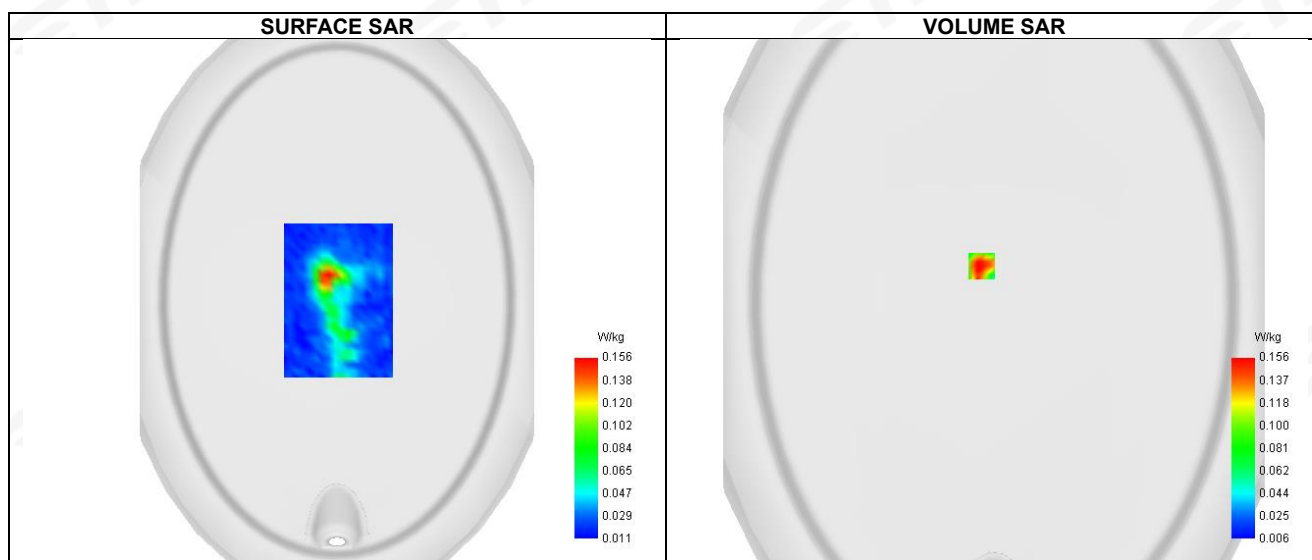


### F. 3D Image



**Plot 9: DUT: 10.51 tablet; EUT Model: B610A415I**

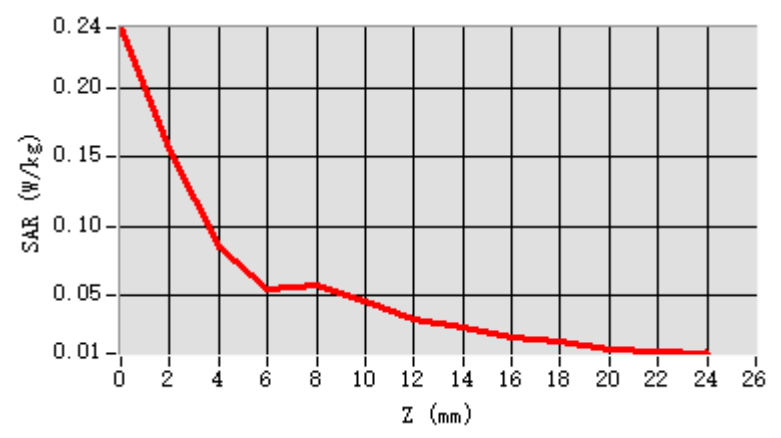
|                                   |                                    |
|-----------------------------------|------------------------------------|
| Test Date                         | 2025-09-29                         |
| ConvF                             | 1.32                               |
| Probe                             | SN 08/21 EPGO352                   |
| Area Scan                         | dx=8mm, dy=8mm, h= 5.00 mm         |
| Zoom Scan                         | 7x7x12, dx=4mm, dy=4mm, dz=2mm,    |
| Phantom                           | Validation plane                   |
| Device Position                   | Back Side                          |
| Band                              | 5.8G WIFI                          |
| Signal                            | 802.11ac-VHT80 (Crest factor: 1.0) |
| Frequency (MHz)                   | 5775                               |
| Relative permittivity (real part) | 36.30                              |
| Conductivity (S/m)                | 5.22                               |

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

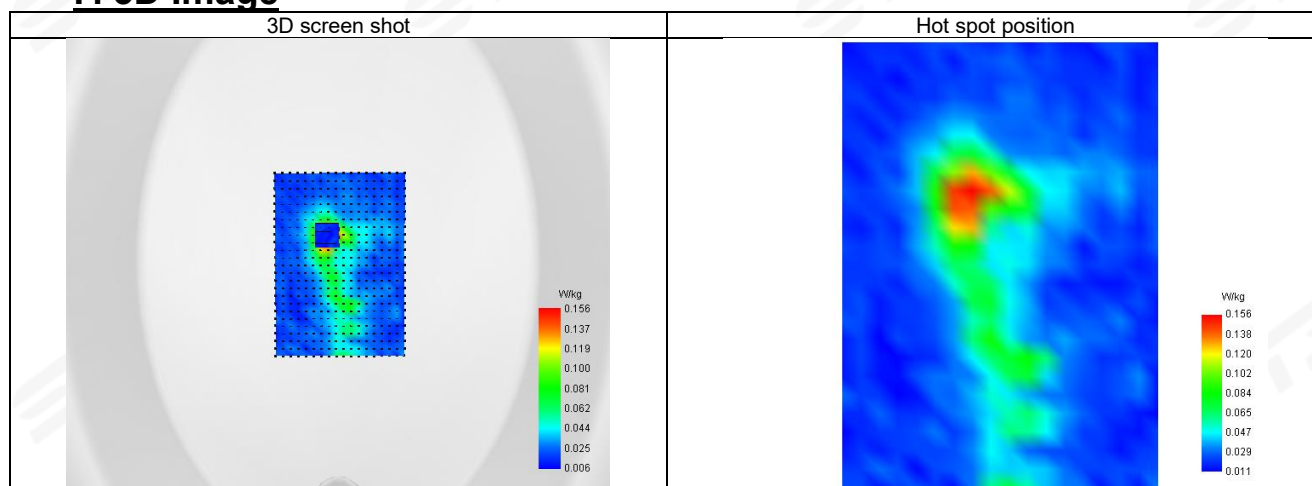
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.053     |
| SAR 1g (W/Kg)                                         | 0.122     |
| Horizontal validation criteria: minimum distance (mm) | 14.422205 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 58.717371 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 2.00  | 4.00  | 6.00  | 8.00  | 10.00 | 12.00 | 14.00 | 16.00 | 18.00 | 20.00 | 22.00 | 24.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.244 | 0.156 | 0.085 | 0.055 | 0.057 | 0.046 | 0.033 | 0.027 | 0.019 | 0.016 | 0.011 | 0.009 |       |

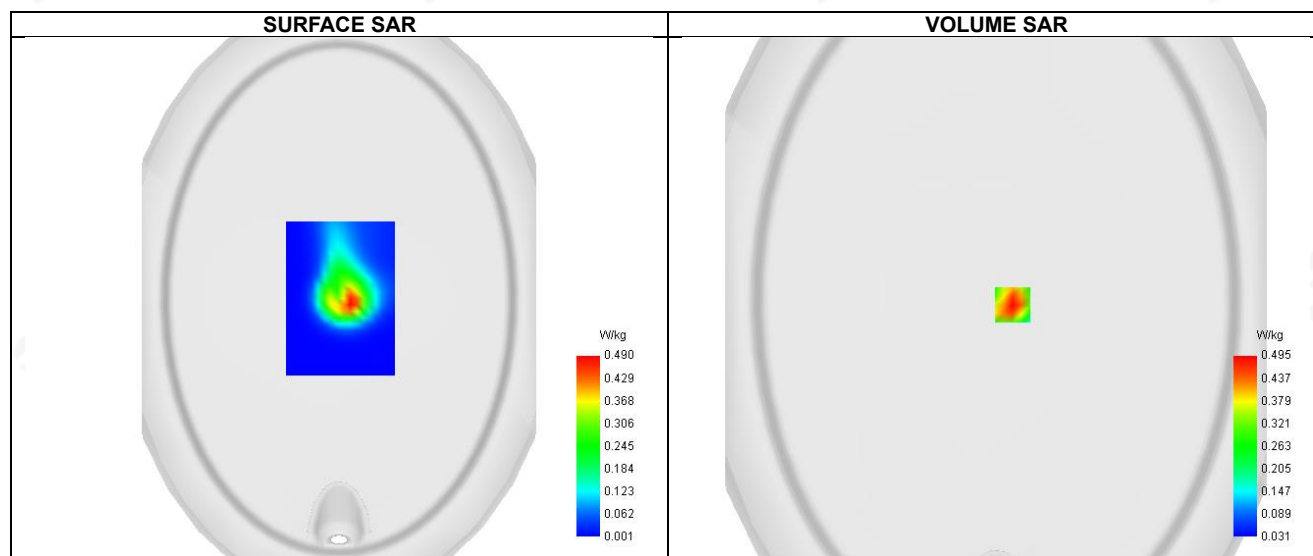


### F. 3D Image



**Plot 10: DUT: 10.51 tablet; EUT Model: B610A415I**

|                                   |                               |
|-----------------------------------|-------------------------------|
| Test Date                         | 2025-09-24                    |
| ConvF                             | 1.54                          |
| Probe                             | SN 08/21 EPGO352              |
| Area Scan                         | dx=8mm, dy=8mm, h= 5.00 mm    |
| Zoom Scan                         | 5x5x7, dx=8mm, dy=8mm, dz=5mm |
| Phantom                           | Validation plane              |
| Device Position                   | Back Side                     |
| Band                              | LTE Band 2(RB 1)              |
| Signal                            | LTE (Crest factor: 1.0)       |
| Frequency (MHz)                   | 1860                          |
| Relative permittivity (real part) | 40.11                         |
| Conductivity (S/m)                | 1.41                          |



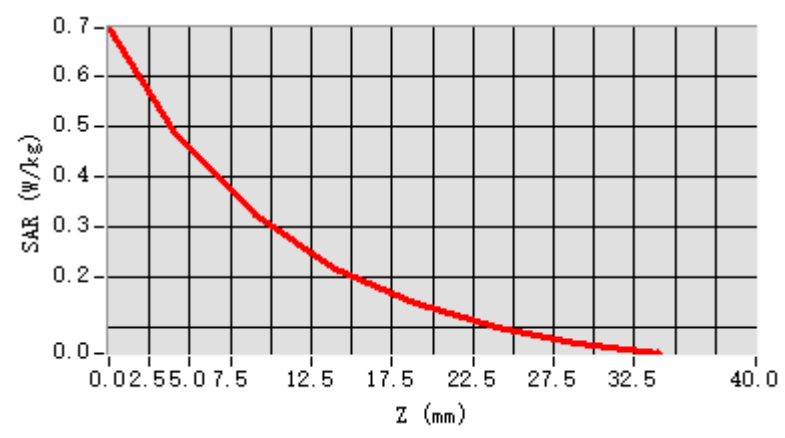
Maximum location: X=15.00, Y=-6.00 ; SAR Peak: 0.71 W/kg

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

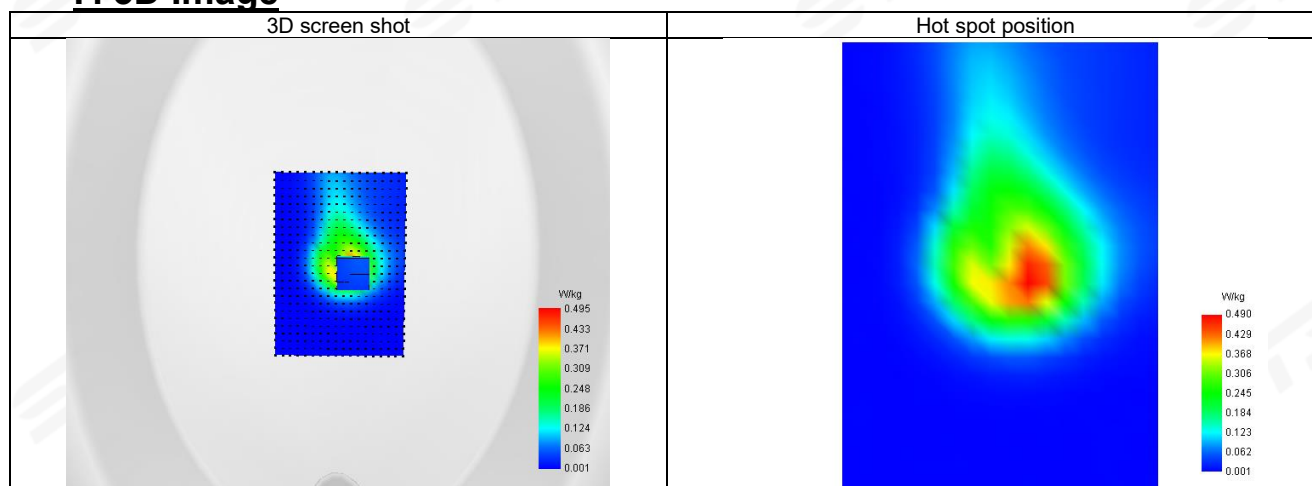
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.285     |
| SAR 1g (W/Kg)                                         | 0.474     |
| Horizontal validation criteria: minimum distance (mm) | 17.888544 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 66.890290 |

## E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.696 | 0.495 | 0.326 | 0.217 | 0.151 | 0.102 | 0.069 |



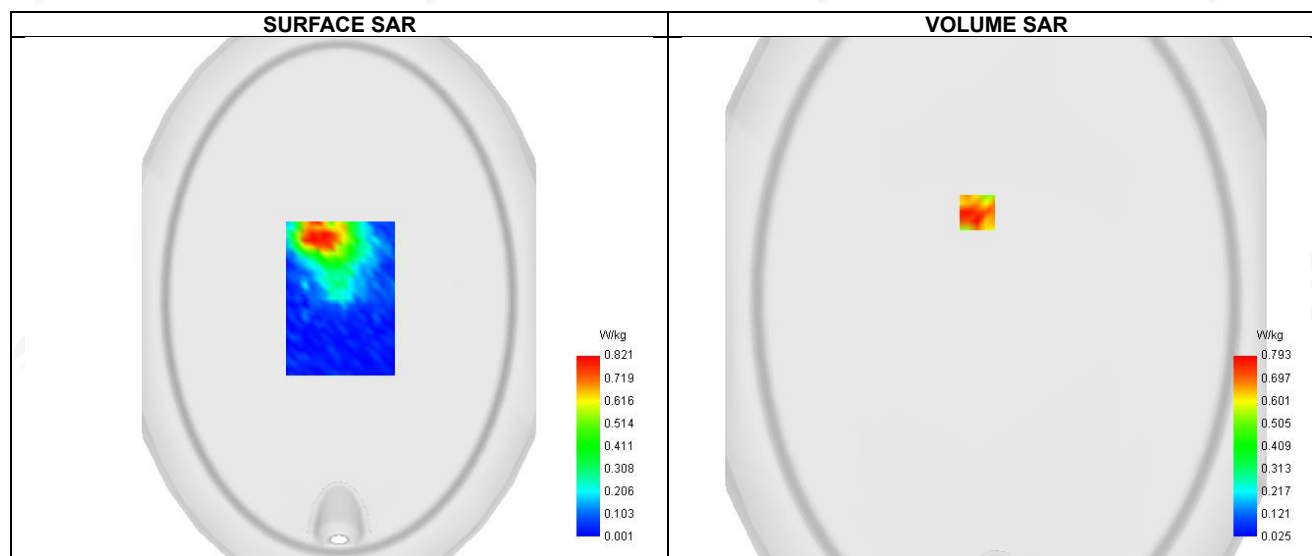
## F. 3D Image





## Plot 11: DUT: 10.51 tablet; EUT Model: B610A415I

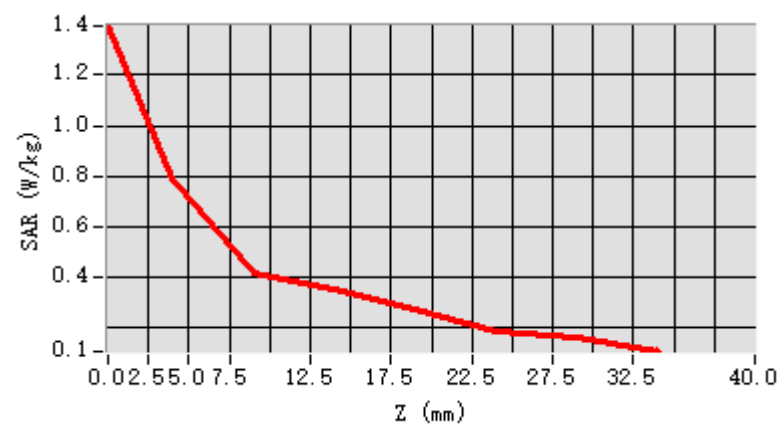
|                                   |                               |
|-----------------------------------|-------------------------------|
| Test Date                         | 2025-09-24                    |
| ConvF                             | 1.54                          |
| Probe                             | SN 08/21 EPGO352              |
| Area Scan                         | dx=8mm, dy=8mm, h= 5.00 mm    |
| Zoom Scan                         | 5x5x7, dx=8mm, dy=8mm, dz=5mm |
| Phantom                           | Validation plane              |
| Device Position                   | Back Side                     |
| Band                              | LTE Band 4 (RB 1)             |
| Signal                            | LTE (Crest factor: 1.0)       |
| Frequency (MHz)                   | 1732.5                        |
| Relative permittivity (real part) | 39.68                         |
| Conductivity (S/m)                | 1.34                          |

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

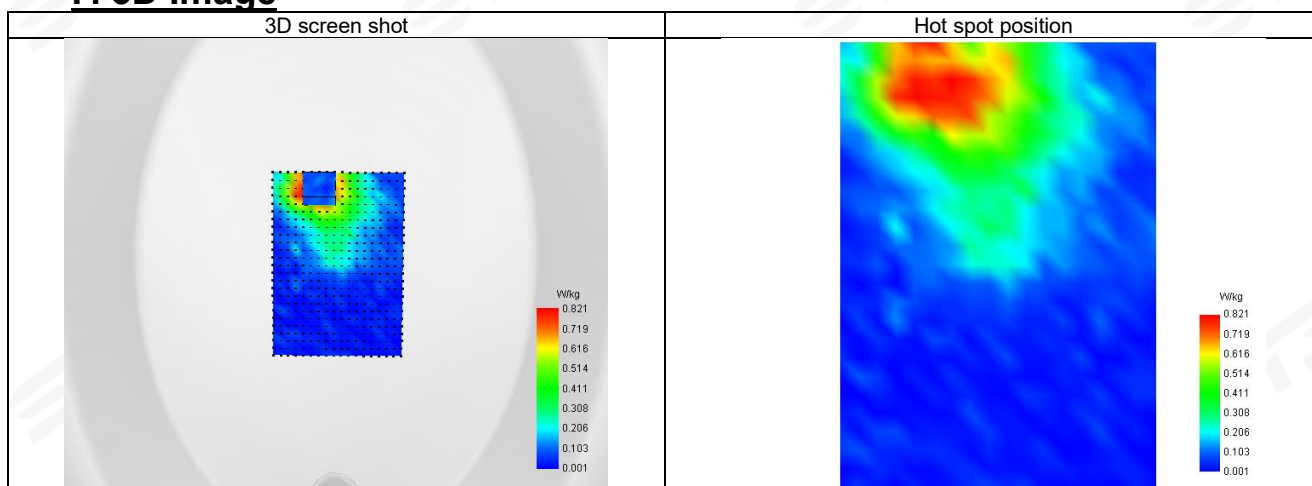
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.445     |
| SAR 1g (W/Kg)                                         | 0.761     |
| Horizontal validation criteria: minimum distance (mm) | 11.321150 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 52.459016 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 1.394 | 0.793 | 0.416 | 0.353 | 0.276 | 0.190 | 0.160 |



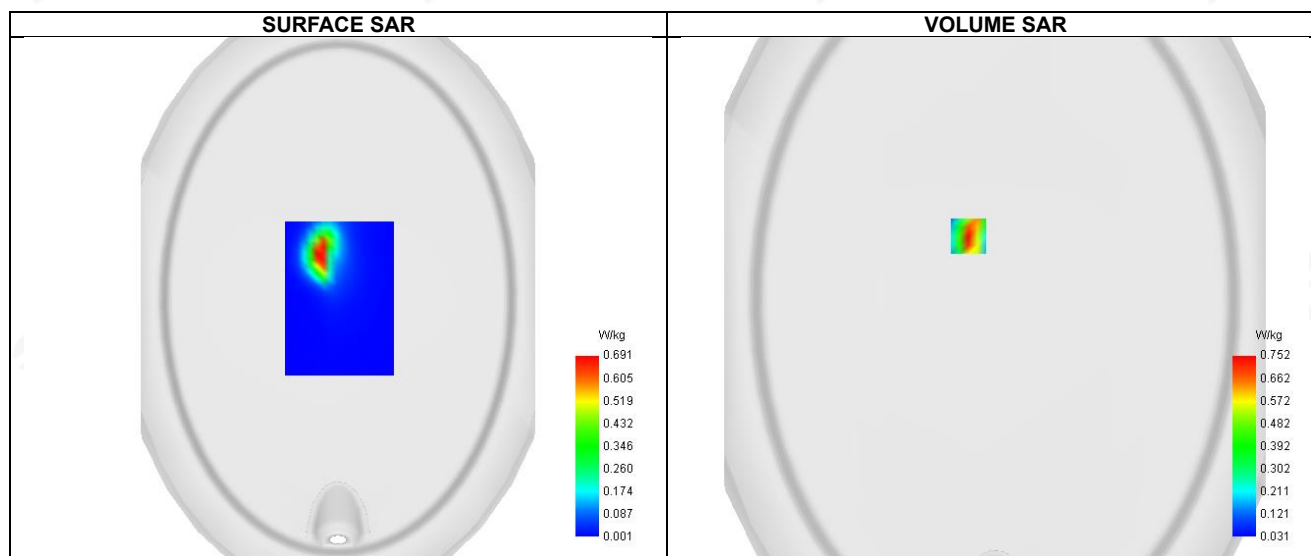
### F. 3D Image





## Plot 12: DUT: 10.51 tablet; EUT Model: B610A415I

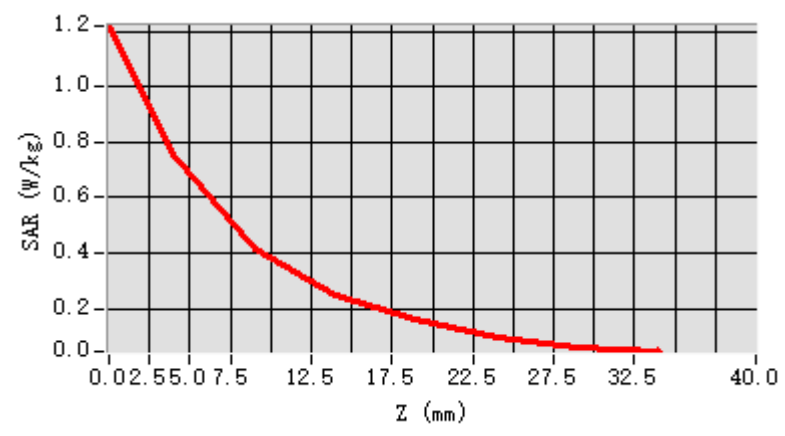
|                                   |                               |
|-----------------------------------|-------------------------------|
| Test Date                         | 2025-09-25                    |
| ConvF                             | 1.49                          |
| Probe                             | SN 08/21 EPGO352              |
| Area Scan                         | dx=8mm, dy=8mm, h= 5.00 mm    |
| Zoom Scan                         | 5x5x7, dx=8mm, dy=8mm, dz=5mm |
| Phantom                           | Validation plane              |
| Device Position                   | Back Side                     |
| Band                              | LTE Band 5 (RB 1)             |
| Signal                            | LTE (Crest factor: 1.0)       |
| Frequency (MHz)                   | 844                           |
| Relative permittivity (real part) | 41.78                         |
| Conductivity (S/m)                | 0.89                          |

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

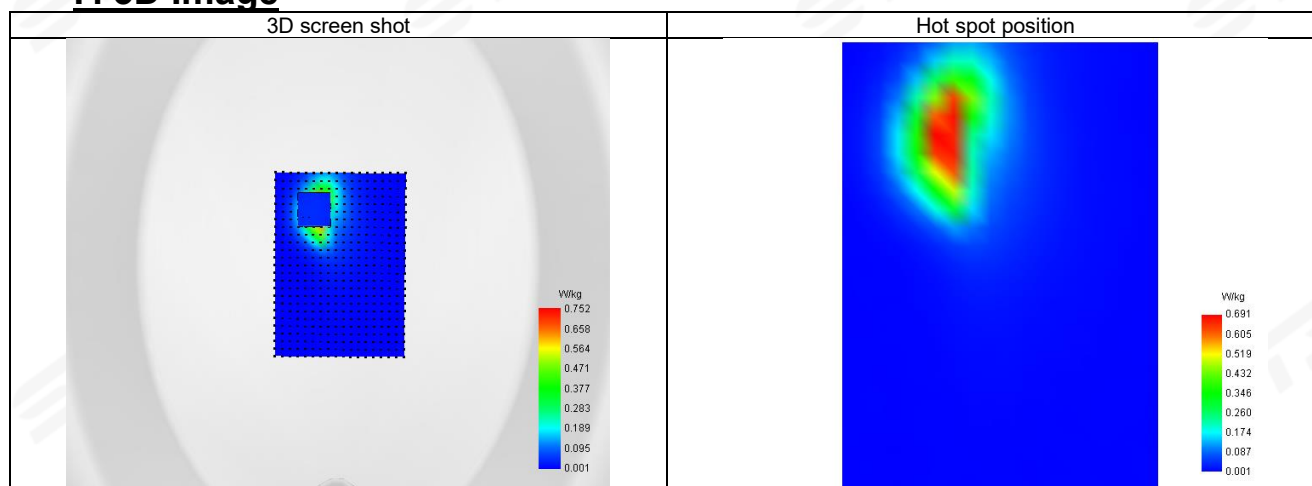
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.368     |
| SAR 1g (W/Kg)                                         | 0.710     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 55.391332 |

## E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 1.219 | 0.752 | 0.417 | 0.246 | 0.162 | 0.099 | 0.060 |

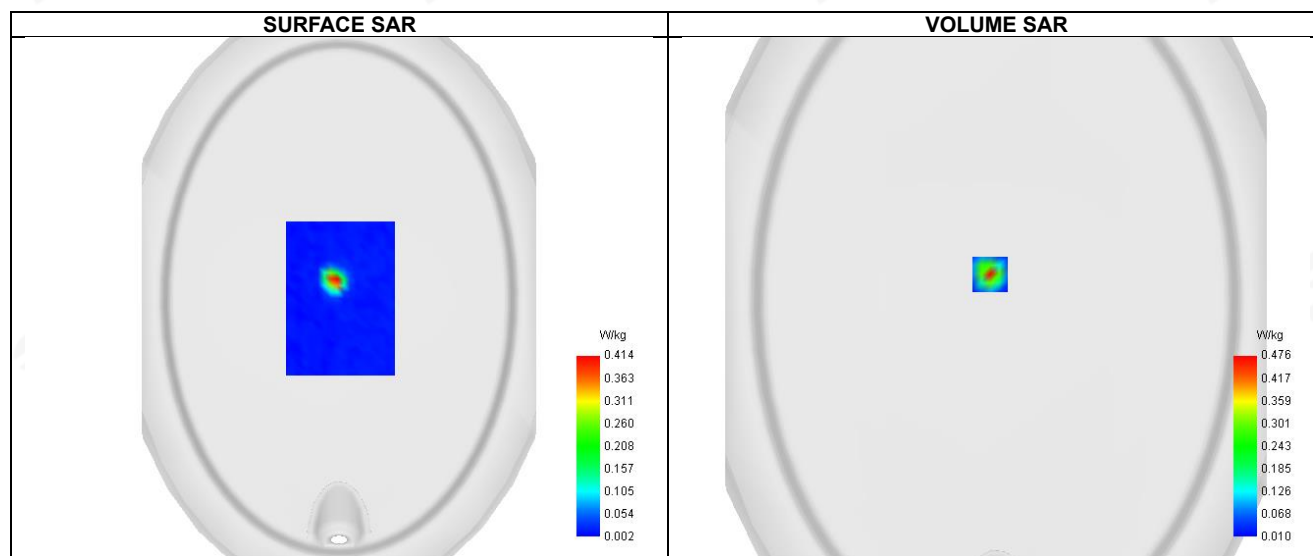


## F. 3D Image



**Plot 13: DUT: 10.51 tablet; EUT Model: B610A415I**

|                                   |                               |
|-----------------------------------|-------------------------------|
| Test Date                         | 2025-09-28                    |
| ConvF                             | 1.70                          |
| Probe                             | SN 08/21 EPGO352              |
| Area Scan                         | dx=8mm, dy=8mm, h= 5.00 mm    |
| Zoom Scan                         | 5x5x7, dx=8mm, dy=8mm, dz=5mm |
| Phantom                           | Validation plane              |
| Device Position                   | Back Side                     |
| Band                              | LTE Band 7 (RB 1)             |
| Signal                            | LTE (Crest factor: 1.0)       |
| Frequency (MHz)                   | 2535                          |
| Relative permittivity (real part) | 39.82                         |
| Conductivity (S/m)                | 1.87                          |



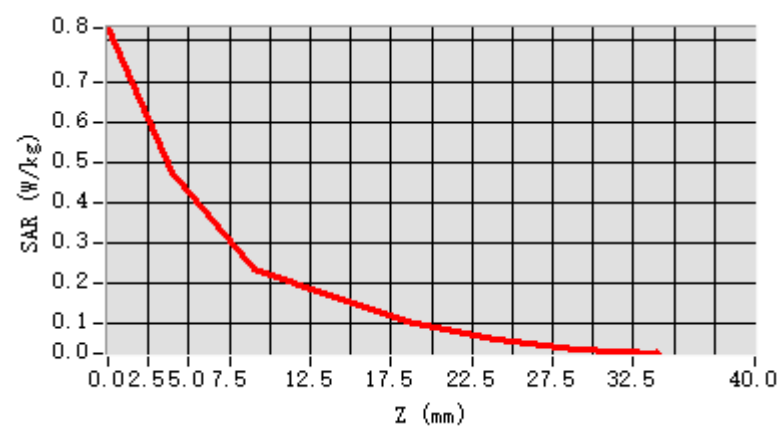
Maximum location: X=-5.00, Y=22.00 ; SAR Peak: 0.81 W/kg

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

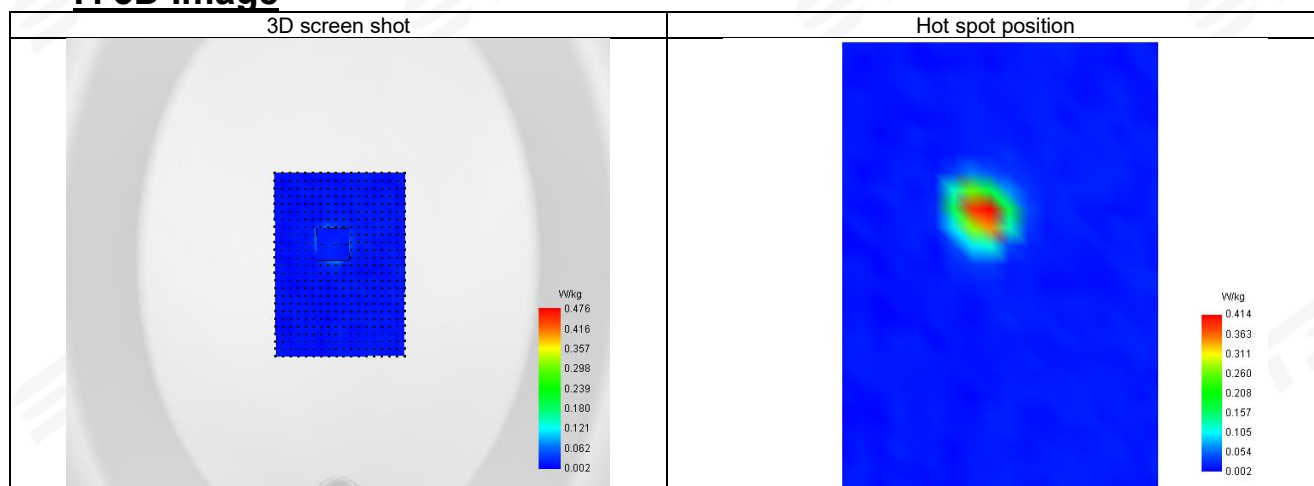
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.178     |
| SAR 1g (W/Kg)                                         | 0.419     |
| Horizontal validation criteria: minimum distance (mm) | 11.313708 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 49.465471 |

## E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.832 | 0.476 | 0.235 | 0.165 | 0.100 | 0.060 | 0.037 |



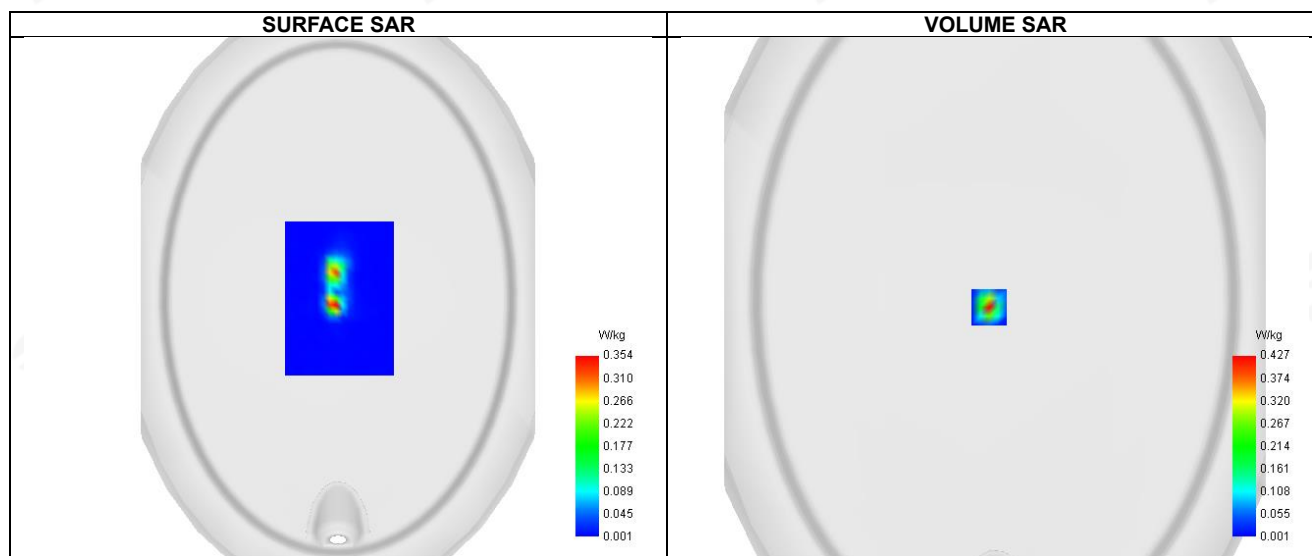
## F. 3D Image





## Plot 14: DUT: 10.51 tablet; EUT Model: B610A4151

|                                   |                               |
|-----------------------------------|-------------------------------|
| Test Date                         | 2025-09-28                    |
| ConvF                             | 1.82                          |
| Probe                             | SN 08/21 EPGO352              |
| Area Scan                         | dx=8mm, dy=8mm, h= 5.00 mm    |
| Zoom Scan                         | 5x5x7, dx=8mm, dy=8mm, dz=5mm |
| Phantom                           | Validation plane              |
| Device Position                   | Back Side                     |
| Band                              | LTE Band 40 (RB 1)            |
| Signal                            | LTE (Crest factor: 1.0)       |
| Frequency (MHz)                   | 2350                          |
| Relative permittivity (real part) | 40.36                         |
| Conductivity (S/m)                | 1.71                          |



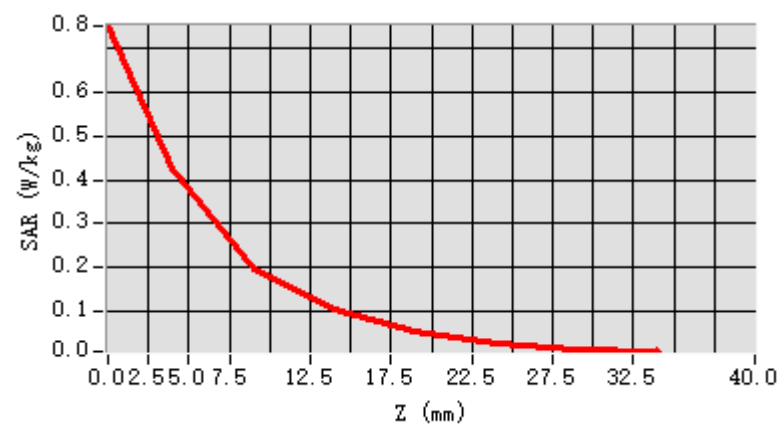
Maximum location: X=-5.00, Y=-8.00 ; SAR Peak: 0.74 W/kg

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

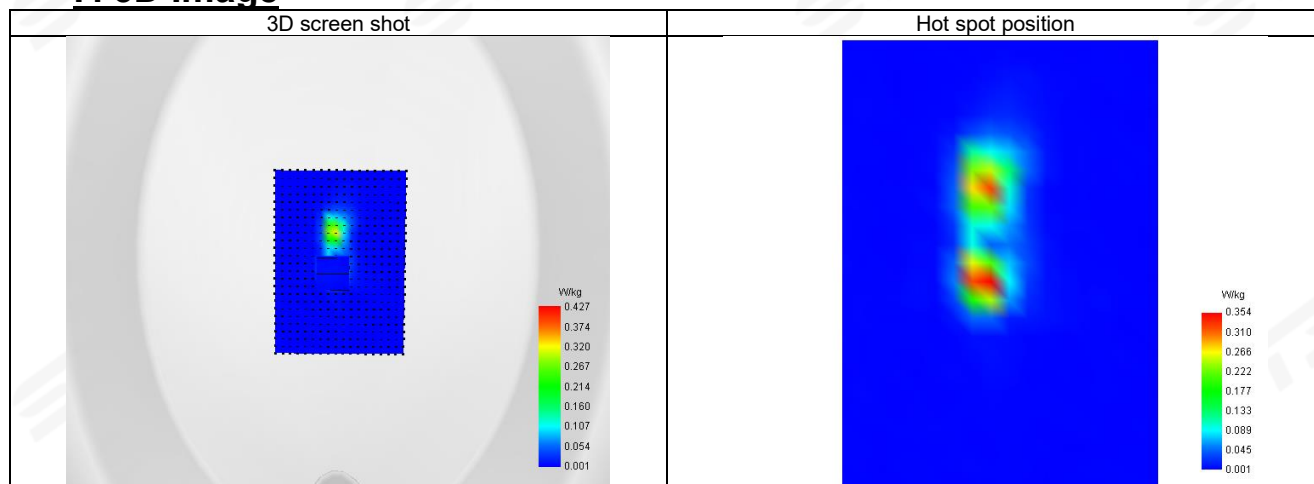
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.130     |
| SAR 1g (W/Kg)                                         | 0.358     |
| Horizontal validation criteria: minimum distance (mm) | 12.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 46.394757 |

## E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.751 | 0.427 | 0.198 | 0.105 | 0.053 | 0.027 | 0.013 |



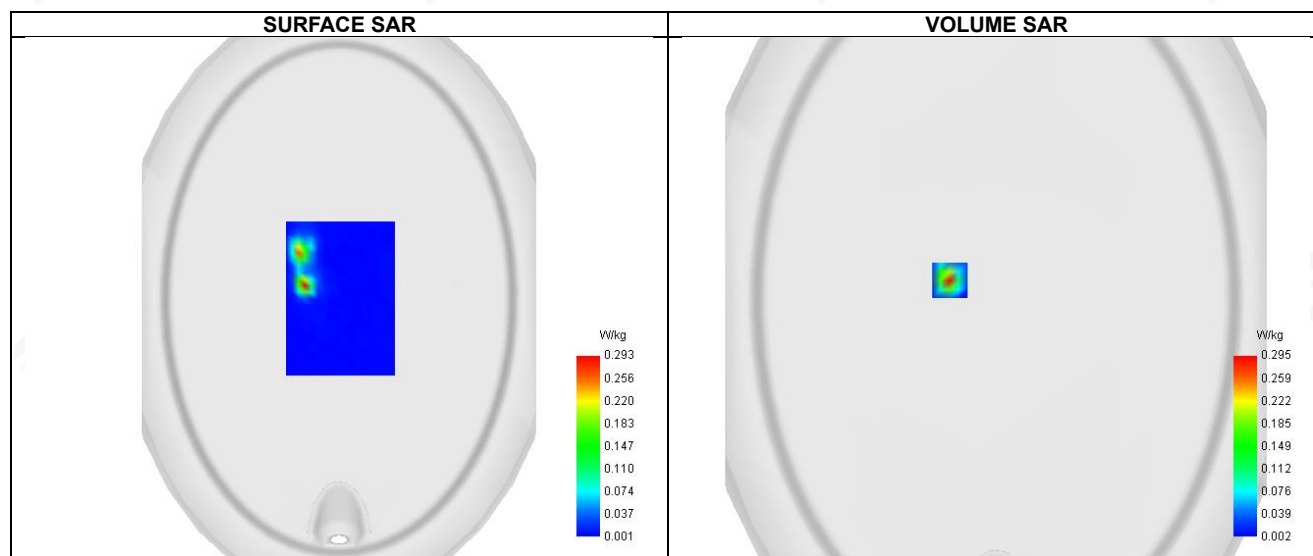
## F. 3D Image





## Plot 15: DUT: 10.51 tablet; EUT Model: B610A4151

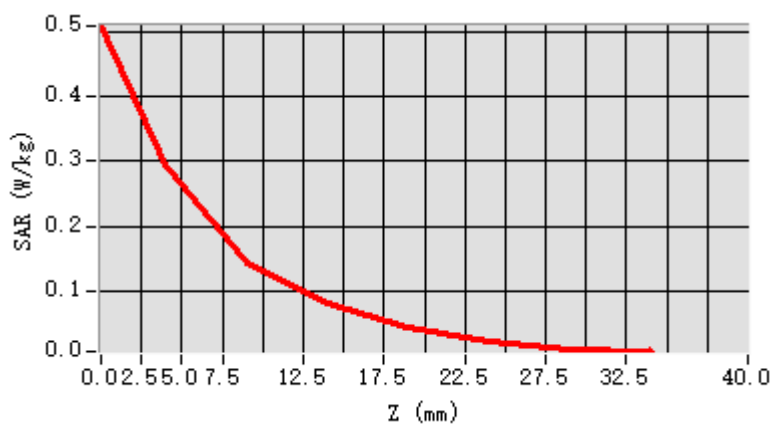
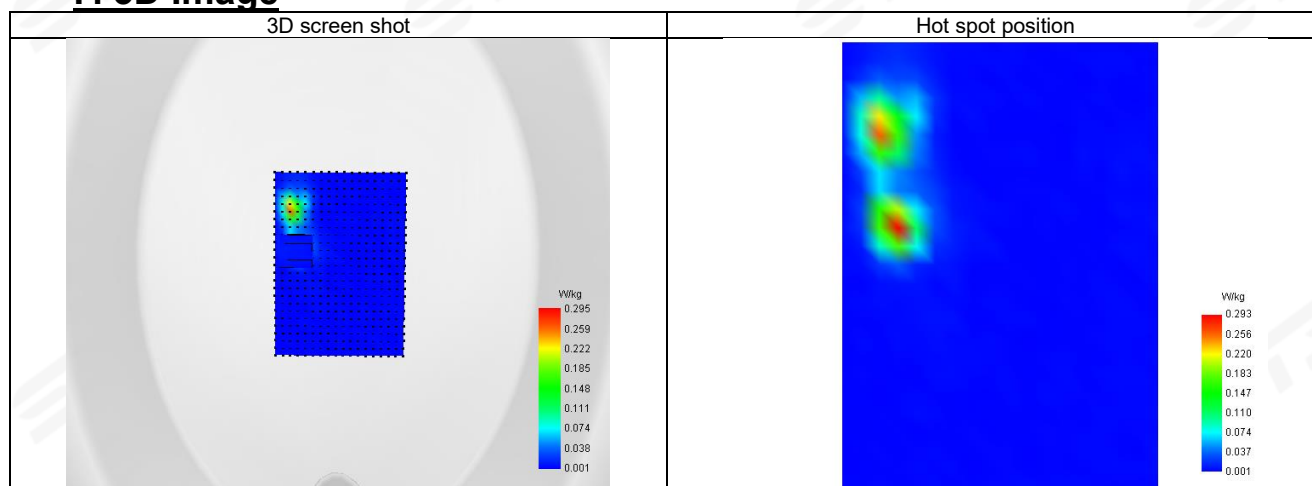
|                                   |                               |
|-----------------------------------|-------------------------------|
| Test Date                         | 2025-09-28                    |
| ConvF                             | 1.70                          |
| Probe                             | SN 08/21 EPGO352              |
| Area Scan                         | dx=8mm, dy=8mm, h= 5.00 mm    |
| Zoom Scan                         | 5x5x7, dx=8mm, dy=8mm, dz=5mm |
| Phantom                           | Validation plane              |
| Device Position                   | Back Side                     |
| Band                              | LTE Band 41 (RB 1)            |
| Signal                            | LTE (Crest factor: 1.0)       |
| Frequency (MHz)                   | 2506                          |
| Relative permittivity (real part) | 39.46                         |
| Conductivity (S/m)                | 1.87                          |

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

|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.100     |
| SAR 1g (W/Kg)                                         | 0.256     |
| Horizontal validation criteria: minimum distance (mm) | 8.000000  |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 48.689459 |

**E. Z Axis Scan**

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.508 | 0.295 | 0.144 | 0.083 | 0.044 | 0.024 | 0.013 |

**F. 3D Image**



## Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※END OF THE REPORT※※※※