



# SAR Test Report

Report No.: STS2601007H01

Issued for

Trackimo INC.

680 Central Ave Cedarhurst, New York 11516 United States

Product Name: GPS Tracker

Brand Name: Trackimo, Tracki

Model Name: TRKM2K-C

Series Model(s): N/A

FCC ID: 2AAI6-TRKM2K-C

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

Max. Report  
SAR (10&1g) Body: 1.109 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** ..... : Trackimo INC.

Address ..... : 680 Central Ave Cedarhurst, New York 11516 United States

**Manufacturer's Name** ..... : Trackimo INC.

Address ..... : 680 Central Ave Cedarhurst, New York 11516 United States

**Product description**

Product name ..... : GPS Tracker

Brand name ..... : Trackimo, Tracki

Model name ..... : TRKM2K-C

Series Model(s) : ..... N/A

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

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

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

Date (s) of performance of tests..... : 06 Feb. 2026 ~ 08 Feb. 2026

Date of Issue..... : 12 Feb. 2026

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

Testing Engineer :

(Xin.Liu)

Technical Manager :

(Shifan. Long)

Authorized Signatory :

(Bovey Yang)





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**Revision History**

| Rev. | Issue Date   | Report No.    | Effect Page | Contents      |
|------|--------------|---------------|-------------|---------------|
| 00   | 12 Feb. 2026 | STS2601007H01 | 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                                                            | GPS Tracker                                                                                                                                                                                                                                                                                                                                                                                                                            |             |                  |
| Brand Name                                                              | Trackimo, Tracki                                                                                                                                                                                                                                                                                                                                                                                                                       |             |                  |
| Model Name                                                              | TRKM2K-C                                                                                                                                                                                                                                                                                                                                                                                                                               |             |                  |
| Series Model                                                            | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                  |
| Model Difference                                                        | different brand only                                                                                                                                                                                                                                                                                                                                                                                                                   |             |                  |
| Sample number                                                           | 251225054-9                                                                                                                                                                                                                                                                                                                                                                                                                            |             |                  |
| Battery                                                                 | Model: SD852025P 1S1P<br>Brand: N/A<br>Rated Voltage: 3.8V<br>Charge Limit Voltage: 4.35V<br>Capacity: 1950mAh                                                                                                                                                                                                                                                                                                                         |             |                  |
| Device Category                                                         | Portable                                                                                                                                                                                                                                                                                                                                                                                                                               |             |                  |
| Product stage                                                           | Production unit                                                                                                                                                                                                                                                                                                                                                                                                                        |             |                  |
| RF Exposure Environment                                                 | General Population / Uncontrolled                                                                                                                                                                                                                                                                                                                                                                                                      |             |                  |
| Hardware Version                                                        | TRKM2K-C PCB V0.2                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                  |
| Software Version                                                        | W217_VD01_E_T_V01_release_20260116_1130                                                                                                                                                                                                                                                                                                                                                                                                |             |                  |
| Frequency Range                                                         | LTE Band 2: 1850 MHz ~ 1910 MHz<br>LTE Band 4: 1710 MHz ~ 1755 MHz<br>LTE Band 5: 824 MHz ~ 849 MHz<br>LTE Band 7: 2500 MHz ~ 2570 MHz<br>LTE Band 12: 699 MHz ~ 716 MHz<br>LTE Band 17: 704 MHz ~ 716 MHz<br>LTE Band 25: 1850 MHz ~ 1915 MHz<br>LTE Band 26: 814 MHz ~ 824 MHz / 824 MHz ~ 849 MHz<br>LTE Band 38: 2570 MHz ~ 2620 MHz<br>LTE Band 40: 2300 MHz ~ 2400 MHz<br>LTE Band 41: 2555~2655MHz<br>BLE: 2402 MHz to 2480 MHz |             |                  |
| Max. Reported SAR(1g):<br>(Limit:1.6W/kg)<br>Test distance:<br>Body:0mm | Band                                                                                                                                                                                                                                                                                                                                                                                                                                   | Mode        | Body Worn (W/kg) |
|                                                                         | PCB                                                                                                                                                                                                                                                                                                                                                                                                                                    | LTE Band 2  | 1.019            |
|                                                                         | PCB                                                                                                                                                                                                                                                                                                                                                                                                                                    | LTE Band 4  | 0.369            |
|                                                                         | PCB                                                                                                                                                                                                                                                                                                                                                                                                                                    | LTE Band 5  | 1.044            |
|                                                                         | PCB                                                                                                                                                                                                                                                                                                                                                                                                                                    | LTE Band 7  | 1.059            |
|                                                                         | PCB                                                                                                                                                                                                                                                                                                                                                                                                                                    | LTE Band 12 | 0.130            |
|                                                                         | PCB                                                                                                                                                                                                                                                                                                                                                                                                                                    | LTE Band 17 | 0.091            |
|                                                                         | PCB                                                                                                                                                                                                                                                                                                                                                                                                                                    | LTE Band 25 | 0.992            |
|                                                                         | PCB                                                                                                                                                                                                                                                                                                                                                                                                                                    | LTE Band 26 | 0.896            |
|                                                                         | PCB                                                                                                                                                                                                                                                                                                                                                                                                                                    | LTE Band 38 | 0.406            |
|                                                                         | PCB                                                                                                                                                                                                                                                                                                                                                                                                                                    | LTE Band 40 | 1.014            |



|                                                                                                                       |                                                                         |             |         |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------|---------|
|                                                                                                                       | PCB                                                                     | LTE Band 41 | 0.401   |
|                                                                                                                       | DSS                                                                     | BLE         | 0.050   |
| 1-g Sum SAR                                                                                                           |                                                                         |             | 1.109   |
| Limit                                                                                                                 |                                                                         |             | 1.6W/kg |
| FCC Equipment Class                                                                                                   | Part 15 Spread Spectrum Transmitter (DSS)<br>Licensed Transmitter (PCB) |             |         |
| Operating Mode:                                                                                                       | LTE: QPSK, 16QAM<br>BLE:GFSK                                            |             |         |
| Antenna Specification:                                                                                                | LTE: FPC Antenna<br>BT:FPC Antenna                                      |             |         |
| Hotspot Mode                                                                                                          | Not Support                                                             |             |         |
| DTM Mode                                                                                                              | Not Support                                                             |             |         |
| Note:<br>1. The EUT battery must be fully charged and checked periodically during the test to ascertain uniform power |                                                                         |             |         |



## 1.2 Test Environment

Ambient conditions in the SAR laboratory:

| Items            | Required |
|------------------|----------|
| Temperature (°C) | 18-25    |
| Humidity (%RH)   | 30-70    |

## 1.3 Test Factory

ShenZhen STS Test Services Co.,Ltd.

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

FCC test Firm Registration No.: 625569

IC Registration No.: 12108A

A2LA Certificate No.: 4338.01



## 2. Test Standards and Limits

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

(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:

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

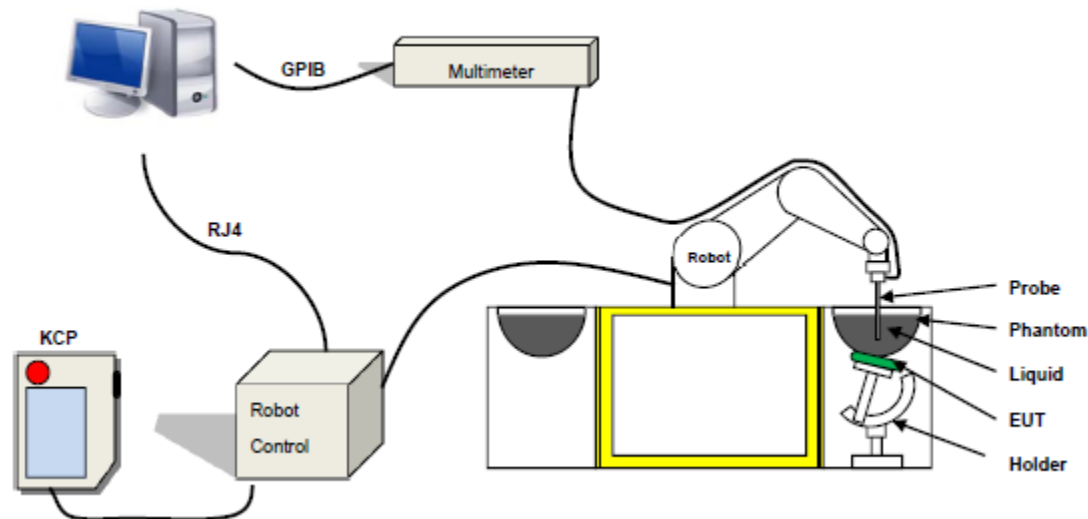
SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

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

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 EPGO352 with following specifications is used

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



Figure 1-MVG COMOSAR Dosimetric E field Dipole

### 3.2.2 Phantom

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

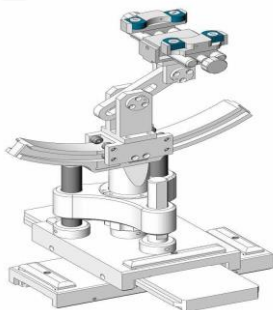
SN 32/14 SAM115



Figure-SN 21/21 ELLI48



### 3.2.3 Device Holder



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

4. Tissue Simulating Liquids



## 4. Tissue Simulating Liquids

### 4.1 Simulating Liquids Parameter Check

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

The uncertainty due to the liquid conductivity and permittivity arises from two different sources. The first source of error is the deviation of the liquid conductivity from its target value (max \_ 5 %) and the second source of error arises from the measurement procedures used to assess conductivity. The uncertainty shall be assessed using a rectangular probability. For 1 g averaging, the maximum weighting coefficient for SAR is 0.5.

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

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

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



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

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



**LIQUID MEASUREMENT RESULTS**

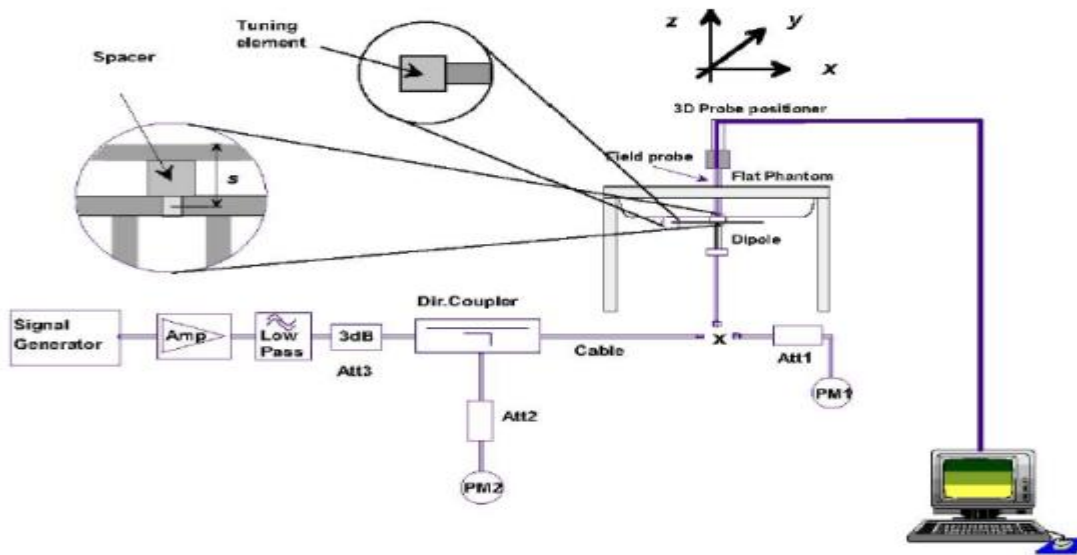
| Date       | Ambient    |            | Simulating Liquid |            | Parameters   | Target | Measured | Deviation % | Limited % |
|------------|------------|------------|-------------------|------------|--------------|--------|----------|-------------|-----------|
|            | Temp. [°C] | Humidity % | Frequency (MHz)   | Temp. [°C] |              |        |          |             |           |
| 2026-02-06 | 22.9       | 49         | 704               | 22.5       | Permittivity | 42.15  | 42.07    | -0.18       | ±5        |
|            |            |            |                   |            | Conductivity | 0.89   | 0.90     | 1.47        | ±5        |
| 2026-02-06 | 22.9       | 49         | 711               | 22.5       | Permittivity | 42.11  | 42.72    | 1.45        | ±5        |
|            |            |            |                   |            | Conductivity | 0.89   | 0.87     | -1.96       | ±5        |
| 2026-02-06 | 22.9       | 49         | 750               | 22.5       | Permittivity | 41.90  | 42.43    | 1.26        | ±5        |
|            |            |            |                   |            | Conductivity | 0.89   | 0.88     | -1.12       | ±5        |
| 2026-02-06 | 22.9       | 49         | 821.5             | 22.5       | Permittivity | 41.56  | 42.14    | 1.39        | ±5        |
|            |            |            |                   |            | Conductivity | 0.90   | 0.91     | 1.29        | ±5        |
| 2026-02-06 | 22.9       | 49         | 829               | 22.5       | Permittivity | 41.53  | 41.98    | 1.09        | ±5        |
|            |            |            |                   |            | Conductivity | 0.90   | 0.90     | 0.08        | ±5        |
| 2026-02-06 | 22.9       | 49         | 831.5             | 22.5       | Permittivity | 41.52  | 42.11    | 1.43        | ±5        |
|            |            |            |                   |            | Conductivity | 0.90   | 0.90     | 0.05        | ±5        |
| 2026-02-06 | 22.9       | 49         | 835               | 22.5       | Permittivity | 41.50  | 41.52    | 0.05        | ±5        |
|            |            |            |                   |            | Conductivity | 0.90   | 0.91     | 1.11        | ±5        |
| 2026-02-06 | 22.9       | 49         | 836.5             | 22.5       | Permittivity | 41.50  | 41.59    | 0.22        | ±5        |
|            |            |            |                   |            | Conductivity | 0.90   | 0.91     | 0.93        | ±5        |
| 2026-02-07 | 22.5       | 53         | 1732.5            | 22.2       | Permittivity | 40.10  | 40.62    | 1.31        | ±5        |
|            |            |            |                   |            | Conductivity | 1.36   | 1.35     | -0.84       | ±5        |
| 2026-02-07 | 22.5       | 53         | 1800              | 22.2       | Permittivity | 40.00  | 40.85    | 2.13        | ±5        |
|            |            |            |                   |            | Conductivity | 1.40   | 1.41     | 0.71        | ±5        |
| 2026-02-07 | 22.5       | 53         | 1860              | 22.2       | Permittivity | 40.00  | 40.14    | 0.35        | ±5        |
|            |            |            |                   |            | Conductivity | 1.40   | 1.39     | -0.71       | ±5        |
| 2026-02-07 | 22.5       | 53         | 1880              | 22.2       | Permittivity | 40.00  | 40.18    | 0.45        | ±5        |
|            |            |            |                   |            | Conductivity | 1.40   | 1.41     | 0.71        | ±5        |
| 2026-02-07 | 22.5       | 53         | 1882.5            | 22.2       | Permittivity | 40.00  | 40.12    | 0.30        | ±5        |
|            |            |            |                   |            | Conductivity | 1.40   | 1.40     | 0.00        | ±5        |
| 2026-02-07 | 22.5       | 53         | 1900              | 22.2       | Permittivity | 40.00  | 40.44    | 1.10        | ±5        |
|            |            |            |                   |            | Conductivity | 1.40   | 1.41     | 0.71        | ±5        |
| 2026-02-07 | 22.5       | 53         | 1905              | 22.2       | Permittivity | 40.00  | 40.70    | 1.75        | ±5        |
|            |            |            |                   |            | Conductivity | 1.40   | 1.41     | 0.71        | ±5        |
| 2026-02-08 | 23.0       | 47         | 2300              | 22.7       | Permittivity | 39.47  | 39.63    | 0.41        | ±5        |
|            |            |            |                   |            | Conductivity | 1.67   | 1.65     | -1.00       | ±5        |
| 2026-02-08 | 23.0       | 47         | 2395              | 22.7       | Permittivity | 39.30  | 39.26    | -0.10       | ±5        |
|            |            |            |                   |            | Conductivity | 1.75   | 1.74     | -0.63       | ±5        |
| 2026-02-08 | 23.0       | 47         | 2510              | 22.7       | Permittivity | 39.12  | 40.41    | 3.30        | ±5        |
|            |            |            |                   |            | Conductivity | 1.86   | 1.85     | -0.75       | ±5        |
| 2026-02-08 | 23.0       | 47         | 2535              | 22.7       | Permittivity | 39.09  | 39.22    | 0.34        | ±5        |
|            |            |            |                   |            | Conductivity | 1.89   | 1.91     | 1.02        | ±5        |
| 2026-02-08 | 23.0       | 47         | 2560              | 22.7       | Permittivity | 39.05  | 38.65    | -1.03       | ±5        |
|            |            |            |                   |            | Conductivity | 1.92   | 1.91     | -0.38       | ±5        |
| 2026-02-08 | 23.0       | 47         | 2593              | 22.7       | Permittivity | 39.01  | 38.58    | -1.10       | ±5        |
|            |            |            |                   |            | Conductivity | 1.95   | 1.94     | -0.64       | ±5        |
| 2026-02-08 | 23.0       | 47         | 2600              | 22.7       | Permittivity | 39.00  | 38.77    | -0.59       | ±5        |
|            |            |            |                   |            | Conductivity | 1.96   | 1.95     | -0.51       | ±5        |
| 2026-02-08 | 23.0       | 47         | 2610              | 22.7       | Permittivity | 38.99  | 39.10    | 0.29        | ±5        |
|            |            |            |                   |            | Conductivity | 1.97   | 1.98     | 0.46        | ±5        |
| 2026-02-08 | 23.0       | 47         | 2680              | 22.7       | Permittivity | 38.90  | 38.69    | -0.54       | ±5        |
|            |            |            |                   |            | Conductivity | 2.05   | 2.04     | -0.39       | ±5        |

## 5. SAR System Validation

### 5.1 Validation System

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

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





## 5.2 Validation Result

### Justification for Extended SAR Dipole Calibrations

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    |           |
| 2026-02-06 | 750             | 100 mW              | 0.914                    | 0.548                     | -3.26     | 8.49                     | 5.53                      | 7.66%                 | -0.90% | 10        |
|            |                 | Normalize to 1 Watt | 9.14                     | 5.48                      |           |                          |                           |                       |        |           |
| 2026-02-06 | 835             | 100 mW              | 1.005                    | 0.611                     | 0.79      | 9.63                     | 6.15                      | 4.36%                 | -0.65% | 10        |
|            |                 | Normalize to 1 Watt | 10.05                    | 6.11                      |           |                          |                           |                       |        |           |
| 2026-02-07 | 1800            | 100 mW              | 3.812                    | 2.077                     | -2.34     | 37.95                    | 20.49                     | 0.45%                 | 1.37%  | 10        |
|            |                 | Normalize to 1 Watt | 38.12                    | 20.77                     |           |                          |                           |                       |        |           |
| 2026-02-07 | 1900            | 100 mW              | 4.003                    | 1.972                     | -1.27     | 39.84                    | 20.20                     | 0.48%                 | -2.38% | 10        |
|            |                 | Normalize to 1 Watt | 40.03                    | 19.72                     |           |                          |                           |                       |        |           |
| 2026-02-08 | 2300            | 100 mW              | 4.823                    | 2.336                     | 3.41      | 48.93                    | 22.97                     | -1.43%                | 1.70%  | 10        |
|            |                 | Normalize to 1 Watt | 48.23                    | 23.36                     |           |                          |                           |                       |        |           |
| 2026-02-08 | 2600            | 100 mW              | 5.550                    | 2.456                     | -3.37     | 56.19                    | 24.08                     | -1.23%                | 1.99%  | 10        |
|            |                 | Normalize to 1 Watt | 55.50                    | 24.56                     |           |                          |                           |                       |        |           |

Note:

(1) We use a CW signal of 20dBm(750,835,1800,1900,2300,2600MHz) 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

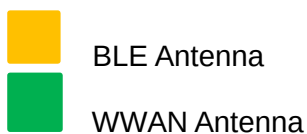
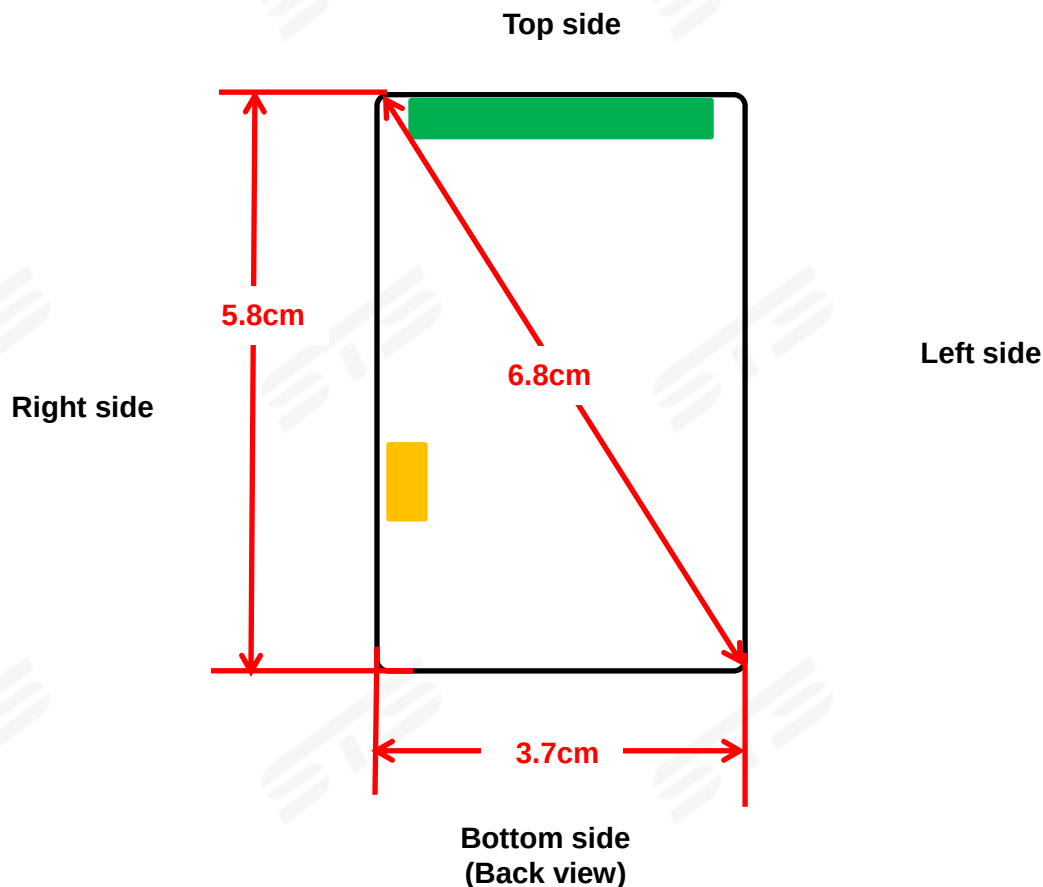
- Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
- Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible 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 GPS Tracker, support LTE mode.



| Antenna Separation Distance(cm) |           |            |           |            |          |             |
|---------------------------------|-----------|------------|-----------|------------|----------|-------------|
| ANT                             | Back Side | Front Side | Left Side | Right Side | Top Side | Bottom Side |
| BLE                             | ≤0.5      | ≤0.5       | ≤0.5      | 3.4        | 3.3      | 1.7         |
| WWAN                            | ≤0.5      | ≤0.5       | 0.7       | 0.8        | ≤0.5     | 5.6         |

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 BLE/WWAN SAR evaluation of Maximum power (dBm) summing tolerance.

| Exposure Position | Wireless Interface          | LTE Band 2 | LTE Band 4 | LTE Band 5 | LTE Band 7 | LTE Band 12 | LTE Band 17 |
|-------------------|-----------------------------|------------|------------|------------|------------|-------------|-------------|
|                   | Calculated Frequency(GHz)   | 1.88       | 1.7325     | 0.829      | 2.56       | 0.704       | 0.71        |
|                   | Maximum Turn-up power (dBm) | 23         | 22.5       | 22         | 23         | 23          | 22          |
|                   | Maximum rated power(mW)     | 199.53     | 177.83     | 158.49     | 199.53     | 199.53      | 158.49      |
| Back Side         | Separation distance (cm)    | 0.5        | 0.5        | 0.5        | 0.5        | 0.5         | 0.5         |
|                   | exclusion threshold(mW)     | 3.39       | 3.62       | 9.34       | 2.65       | 11.75       | 11.61       |
|                   | Testing required?           | YES        | YES        | YES        | YES        | YES         | YES         |
| Front Side        | Separation distance (cm)    | 0.5        | 0.5        | 0.5        | 0.5        | 0.5         | 0.5         |
|                   | exclusion threshold(mW)     | 3.39       | 3.62       | 9.34       | 2.65       | 11.75       | 11.61       |
|                   | Testing required?           | YES        | YES        | YES        | YES        | YES         | YES         |
| Left Side         | Separation distance (cm)    | 0.7        | 0.7        | 0.7        | 0.7        | 0.7         | 0.7         |
|                   | exclusion threshold(mW)     | 6.31       | 6.70       | 15.01      | 5.04       | 18.21       | 18.03       |
|                   | Testing required?           | YES        | YES        | YES        | YES        | YES         | YES         |
| Right Side        | Separation distance (cm)    | 0.8        | 0.8        | 0.8        | 0.8        | 0.8         | 0.8         |
|                   | exclusion threshold(mW)     | 8.07       | 8.55       | 18.12      | 6.51       | 21.67       | 21.47       |
|                   | Testing required?           | YES        | YES        | YES        | YES        | YES         | YES         |
| Top Side          | Separation distance (cm)    | 0.5        | 0.5        | 0.5        | 0.5        | 0.5         | 0.5         |
|                   | exclusion threshold(mW)     | 3.39       | 3.62       | 9.34       | 2.65       | 11.75       | 11.61       |
|                   | Testing required?           | YES        | YES        | YES        | YES        | YES         | YES         |
| Bottom Side       | Separation distance (cm)    | 5.6        | 5.6        | 5.6        | 5.6        | 5.6         | 5.6         |
|                   | exclusion threshold(mW)     | 292.36     | 299.04     | 281.23     | 268.45     | 273.49      | 273.89      |
|                   | Testing required?           | NO         | NO         | NO         | NO         | NO          | NO          |



| Exposure Position | Wireless Interface          | LTE Band 25 | LTE Band 26 | LTE Band 38 | LTE Band 40 | LTE Band 41 | BT     |
|-------------------|-----------------------------|-------------|-------------|-------------|-------------|-------------|--------|
|                   | Calculated Frequency(GHz)   | 1.8825      | 0.821       | 2.61        | 2.39        | 2.68        | 2.48   |
|                   | Maximum Turn-up power (dBm) | 23          | 22          | 23          | 15.5        | 23.5        | 1      |
|                   | Maximum rated power(mW)     | 199.53      | 158.49      | 199.53      | 35.48       | 223.87      | 1.26   |
| Back Side         | Separation distance (cm)    | 0.5         | 0.5         | 0.5         | 0.5         | 0.5         | 0.5    |
|                   | exclusion threshold(mW)     | 3.39        | 9.47        | 2.61        | 2.80        | 2.55        | 2.72   |
|                   | Testing required?           | YES         | YES         | YES         | YES         | YES         | NO     |
| Front Side        | Separation distance (cm)    | 0.5         | 0.5         | 0.5         | 0.5         | 0.5         | 0.5    |
|                   | exclusion threshold(mW)     | 3.39        | 9.47        | 2.61        | 2.80        | 2.55        | 2.72   |
|                   | Testing required?           | YES         | YES         | YES         | YES         | YES         | NO     |
| Left Side         | Separation distance (cm)    | 0.7         | 0.7         | 0.7         | 0.7         | 0.7         | 0.5    |
|                   | exclusion threshold(mW)     | 6.30        | 15.18       | 4.97        | 5.30        | 4.87        | 2.72   |
|                   | Testing required?           | YES         | YES         | YES         | YES         | YES         | NO     |
| Right Side        | Separation distance (cm)    | 0.8         | 0.8         | 0.8         | 0.8         | 0.8         | 3.4    |
|                   | exclusion threshold(mW)     | 8.07        | 18.31       | 6.42        | 6.83        | 6.30        | 104.68 |
|                   | Testing required?           | YES         | YES         | YES         | YES         | YES         | NO     |
| Top Side          | Separation distance (cm)    | 0.5         | 0.5         | 0.5         | 0.5         | 0.5         | 3.3    |
|                   | exclusion threshold(mW)     | 3.39        | 9.47        | 2.61        | 2.80        | 2.55        | 98.90  |
|                   | Testing required?           | YES         | YES         | YES         | YES         | YES         | NO     |
| Bottom Side       | Separation distance (cm)    | 5.6         | 5.6         | 5.6         | 5.6         | 5.6         | 1.7    |
|                   | exclusion threshold(mW)     | 292.26      | 280.76      | 267.02      | 273.59      | 265.07      | 27.96  |
|                   | Testing required?           | NO          | NO          | NO          | NO          | NO          | NO     |

**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-1 > U-NII-2A, U-NII-1 was chosen for SAR evaluation. Based on the measurements obtained, SAR measurements on U-NII-2A are not required as highest reported SAR from U-NII-1 band is  $\leq 1.2\text{W/Kg}$ .

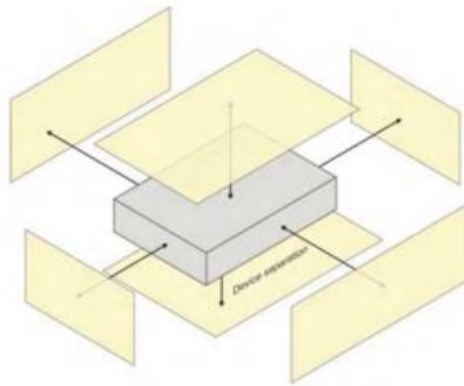
## 8. EUT Test Position

This EUT was tested in Back Side, Front Side, Left Side, Right Side, 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-<br>reflections                                                   | E.6.1 | 3.15           | R              | 1.73 | 1.00    | 1.00     | 1.82           | 1.82            | ∞  |
| Probe positioner mechanical<br>tolerance                                                | E.6.2 | 1.20           | R              | 1.73 | 1.00    | 1.00     | 0.69           | 0.69            | ∞  |
| Probe positioning with<br>respect to phantom shell                                      | E.6.3 | 1.40           | R              | 1.73 | 1.00    | 1.00     | 0.81           | 0.81            | ∞  |
| Extrapolation, interpolation,<br>and integrations algorithms<br>for max. SAR evaluation | E.5   | 2.10           | R              | 1.73 | 1.00    | 1.00     | 1.21           | 1.21            | ∞  |
| <b>Test sample Related</b>                                                              |       |                |                |      |         |          |                |                 |    |
| Test sample positioning                                                                 | E.4.2 | 3.10           | N              | 1.00 | 1.00    | 1.00     | 3.10           | 3.10            | ∞  |
| Device holder uncertainty                                                               | E.4.1 | 3.80           | N              | 1.00 | 1.00    | 1.00     | 3.80           | 3.80            | ∞  |
| Output power variation—<br>SAR drift measurement                                        | E.2.9 | 4.50           | R              | 1.73 | 1.00    | 1.00     | 2.60           | 2.60            | ∞  |
| SAR scaling                                                                             | E.6.5 | 1.80           | R              | 1.73 | 1.00    | 1.00     | 1.04           | 1.04            | ∞  |
| <b>Phantom and tissue parameters</b>                                                    |       |                |                |      |         |          |                |                 |    |
| Phantom shell uncertainty—<br>shape, thickness, and<br>permittivity                     | E.3.1 | 3.70           | R              | 1.73 | 1.00    | 1.00     | 2.14           | 2.14            | ∞  |
| Uncertainty in SAR<br>correction for deviations in<br>permittivity and conductivity     | E.3.2 | 1.90           | N              | 1.00 | 1.00    | 0.84     | 1.90           | 1.60            | ∞  |
| Liquid conductivity<br>measurement                                                      | E.3.3 | 2.40           | R              | 1.73 | 0.78    | 0.71     | 1.08           | 0.98            | M  |
| Liquid permittivity<br>measurement                                                      | E.3.3 | 4.10           | N              | 1.00 | 0.78    | 0.71     | 3.20           | 2.91            | M  |
| Liquid conductivity—<br>temperature uncertainty                                         | E.3.4 | 2.70           | R              | 1.73 | 0.23    | 0.26     | 0.36           | 0.41            | ∞  |
| Liquid permittivity—<br>temperature uncertainty                                         | E.3.4 | 4.80           | N              | 1.00 | 0.23    | 0.26     | 1.10           | 1.25            | ∞  |
| Combined Standard<br>Uncertainty                                                        |       |                | RSS            |      |         |          | 10.08          | 9.59            |    |
| Expanded Uncertainty (95%<br>Confidence interval)                                       |       |                | K=2            |      |         |          | 19.58          | 19.18           |    |



| SATIMO Uncertainty- SN 08/21 EPGO352                                              |         |              |                |      |         |          |             |              |    |
|-----------------------------------------------------------------------------------|---------|--------------|----------------|------|---------|----------|-------------|--------------|----|
| System Validation uncertainty for DUT averaged over 1 gram / 10 gram.             |         |              |                |      |         |          |             |              |    |
| Uncertainty Component                                                             | Sec.    | Tol<br>(+-%) | Prob.<br>Dist. | Div. | Ci (1g) | Ci (10g) | 1g Ui (+-%) | 10g Ui (+-%) | vi |
| <b>Measurement System</b>                                                         |         |              |                |      |         |          |             |              |    |
| Probe calibration                                                                 | E.2.1   | 5.72         | N              | 1.00 | 1.00    | 1.00     | 5.72        | 5.72         | ∞  |
| Axial Isotropy                                                                    | E.2.2   | 0.18         | R              | 1.73 | 1.00    | 1.00     | 0.10        | 0.10         | ∞  |
| Hemispherical Isotropy                                                            | E.2.2   | 1.04         | R              | 1.73 | 0.00    | 0.00     | 0.00        | 0.00         | ∞  |
| Boundary effect                                                                   | E.2.3   | 0.80         | R              | 1.73 | 1.00    | 1.00     | 0.46        | 0.46         | ∞  |
| Linearity                                                                         | E.2.4   | 1.25         | R              | 1.73 | 1.00    | 1.00     | 0.72        | 0.72         | ∞  |
| System detection limits                                                           | E.2.4   | 1.20         | R              | 1.73 | 1.00    | 1.00     | 0.69        | 0.69         | ∞  |
| Modulation response                                                               | E.2.5   | 3.42         | R              | 1.73 | 0.00    | 0.00     | 0.00        | 0.00         | ∞  |
| Readout Electronics                                                               | E.2.6   | 0.26         | N              | 1.00 | 1.00    | 1.00     | 0.26        | 0.26         | ∞  |
| Response Time                                                                     | E.2.7   | 0.17         | R              | 1.73 | 0.00    | 0.00     | 0.00        | 0.00         | ∞  |
| Integration Time                                                                  | E.2.8   | 1.43         | R              | 1.73 | 0.00    | 0.00     | 0.00        | 0.00         | ∞  |
| RF ambient conditions-Noise                                                       | E.6.1   | 3.51         | R              | 1.73 | 1.00    | 1.00     | 2.03        | 2.03         | ∞  |
| RF ambient conditions-reflections                                                 | E.6.1   | 3.15         | R              | 1.73 | 1.00    | 1.00     | 1.82        | 1.82         | ∞  |
| Probe positioner mechanical tolerance                                             | E.6.2   | 1.20         | R              | 1.73 | 1.00    | 1.00     | 0.69        | 0.69         | ∞  |
| Probe positioning with respect to phantom shell                                   | E.6.3   | 1.40         | R              | 1.73 | 1.00    | 1.00     | 0.81        | 0.81         | ∞  |
| Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation | E.5     | 2.10         | R              | 1.73 | 1.00    | 1.00     | 1.21        | 1.21         | ∞  |
| <b>System validation source</b>                                                   |         |              |                |      |         |          |             |              |    |
| Deviation of experimental dipole from numerical dipole                            | E.6.4   | 4.80         | N              | 1.00 | 1.00    | 1.00     | 4.80        | 4.80         | ∞  |
| Input power and SAR drift measurement                                             | 8,6.6.4 | 5.10         | R              | 1.73 | 1.00    | 1.00     | 2.94        | 2.94         | ∞  |
| Dipole axis to liquid distance                                                    | 8,E.6.6 | 2.40         | R              | 1.73 | 1.00    | 1.00     | 1.39        | 1.39         | ∞  |
| <b>Phantom and set-up</b>                                                         |         |              |                |      |         |          |             |              |    |
| Phantom shell uncertainty—shape, thickness, and permittivity                      | E.3.1   | 3.70         | R              | 1.73 | 1.00    | 1.00     | 2.14        | 2.14         | ∞  |
| Uncertainty in SAR correction for deviations in permittivity and conductivity     | E.3.2   | 1.90         | N              | 1.00 | 1.00    | 0.84     | 1.90        | 1.60         | ∞  |
| Liquid conductivity ( temperature uncertainty )                                   | E.3.3   | 2.40         | R              | 1.73 | 0.78    | 0.71     | 1.08        | 0.98         | ∞  |
| Liquid conductivity ( measured )                                                  | E.3.3   | 4.10         | N              | 1.00 | 0.78    | 0.71     | 3.20        | 2.91         | M  |
| Liquid permittivity ( temperature uncertainty )                                   | E.3.4   | 2.70         | R              | 1.73 | 0.23    | 0.26     | 0.36        | 0.41         | ∞  |
| Liquid permittivity ( measured )                                                  | E.3.4   | 4.80         | N              | 1.00 | 0.23    | 0.26     | 1.10        | 1.25         | M  |
| Combined Standard Uncertainty                                                     |         |              | RSS            |      |         |          | 9.72        | 9.52         |    |
| Expanded Uncertainty (95% Confidence interval)                                    |         |              | K=2            |      |         |          | 19.44       | 19.03        |    |



| SATIMO Uncertainty- SN 08/21 EPG0352                                                    |         |                |                |      |         |          |                 |                 |    |
|-----------------------------------------------------------------------------------------|---------|----------------|----------------|------|---------|----------|-----------------|-----------------|----|
| • System Check uncertainty for DUT averaged over 1 gram / 10 gram.                      |         |                |                |      |         |          |                 |                 |    |
| Uncertainty Component                                                                   | Sec.    | Tol<br>(+ - %) | Prob.<br>Dist. | Div. | Ci (1g) | Ci (10g) | 1g Ui (+-<br>%) | 10g Ui<br>(+-%) | vi |
| <b>Measurement System</b>                                                               |         |                |                |      |         |          |                 |                 |    |
| Probe calibration drift                                                                 | E.2.1.3 | 5.72           | N              | 1.00 | 1.00    | 1.00     | 5.72            | 5.72            | ∞  |
| Axial Isotropy                                                                          | E.2.2   | 0.18           | R              | 1.73 | 0.00    | 0.00     | 0.00            | 0.00            | ∞  |
| Hemispherical Isotropy                                                                  | E.2.2   | 1.04           | R              | 1.73 | 0.00    | 0.00     | 0.00            | 0.00            | ∞  |
| Boundary effect                                                                         | E.2.3   | 0.8            | R              | 1.73 | 0.00    | 0.00     | 0.00            | 0.00            | ∞  |
| Linearity                                                                               | E.2.4   | 1.25           | R              | 1.73 | 0.00    | 0.00     | 0.00            | 0.00            | ∞  |
| System detection limits                                                                 | E.2.4   | 1.20           | R              | 1.73 | 0.00    | 0.00     | 0.00            | 0.00            | ∞  |
| Modulation response                                                                     | E.2.5   | 3.42           | R              | 1.73 | 0.00    | 0.00     | 0.00            | 0.00            | ∞  |
| Readout Electronics                                                                     | E.2.6   | 0.26           | N              | 1.00 | 0.00    | 0.00     | 0.00            | 0.00            | ∞  |
| Response Time                                                                           | E.2.7   | 0.17           | R              | 1.73 | 0.00    | 0.00     | 0.00            | 0.00            | ∞  |
| Integration Time                                                                        | E.2.8   | 1.43           | R              | 1.73 | 0.00    | 0.00     | 0.00            | 0.00            | ∞  |
| RF ambient conditions-<br>Noise                                                         | E.6.1   | 3.51           | R              | 1.73 | 0.00    | 0.00     | 0.00            | 0.00            | ∞  |
| RF ambient conditions-<br>reflections                                                   | E.6.1   | 3.15           | R              | 1.73 | 0.00    | 0.00     | 0.00            | 0.00            | ∞  |
| Probe positioner mechanical<br>tolerance                                                | E.6.2   | 1.2            | R              | 1.73 | 1.00    | 1.00     | 0.69            | 0.69            | ∞  |
| Probe positioning with<br>respect to phantom shell                                      | E.6.3   | 1.4            | R              | 1.73 | 1.00    | 1.00     | 0.81            | 0.81            | ∞  |
| Extrapolation, interpolation,<br>and integrations algorithms<br>for max. SAR evaluation | E.5     | 3.9            | R              | 1.73 | 0.00    | 0.00     | 0.00            | 0.00            | ∞  |
| <b>System check source<br/>(dipole)</b>                                                 |         |                |                |      |         |          |                 |                 |    |
| Deviation of experimental<br>dipoles                                                    | E.6.4   | 4.8            | N              | 1.00 | 1.00    | 1.00     | 4.80            | 4.80            | ∞  |
| Input power and SAR drift<br>measurement                                                | 8,6.6.4 | 5.1            | R              | 1.73 | 1.00    | 1.00     | 2.94            | 2.94            | ∞  |
| Dipole axis to liquid distance                                                          | 8,E.6.6 | 2.4            | R              | 1.73 | 1.00    | 1.00     | 1.39            | 1.39            | ∞  |
| <b>Phantom and tissue<br/>parameters</b>                                                |         |                |                |      |         |          |                 |                 |    |
| Phantom shell uncertainty—<br>shape, thickness, and<br>permittivity                     | E.3.1   | 3.7            | R              | 1.73 | 1.00    | 1.00     | 2.14            | 2.14            | ∞  |
| Uncertainty in SAR<br>correction for deviations in<br>permittivity and conductivity     | E.3.2   | 1.9            | N              | 1.00 | 1.00    | 0.84     | 1.90            | 1.60            | ∞  |
| Liquid conductivity<br>measurement                                                      | E.3.3   | 2.4            | R              | 1.73 | 0.78    | 0.71     | 1.08            | 0.98            | ∞  |
| Liquid permittivity<br>measurement                                                      | E.3.3   | 4.1            | N              | 1.00 | 0.78    | 0.71     | 3.20            | 2.91            | M  |
| Liquid conductivity—<br>temperature uncertainty                                         | E.3.4   | 2.7            | R              | 1.73 | 0.23    | 0.26     | 0.36            | 0.41            | ∞  |
| Liquid permittivity—<br>temperature uncertainty                                         | E.3.4   | 4.8            | N              | 1.00 | 0.23    | 0.26     | 1.10            | 1.25            | M  |
| Combined Standard<br>Uncertainty                                                        |         |                | RSS            |      |         |          | 5.56            | 5.20            |    |
| Expanded Uncertainty (95%<br>Confidence interval)                                       |         |                | K=2            |      |         |          | 11.12           | 10.41           |    |



## 10. Conducted Power Measurement

### 10.1 Test Result

#### BLE

| BLE         |                |                 |                       |                   |
|-------------|----------------|-----------------|-----------------------|-------------------|
| Mode        | Channel Number | Frequency (MHz) | Conducted Power (dBm) | Output Power (mW) |
| GFSK(1Mbps) | 0              | 2402            | 0.5                   | 1.12              |
|             | 19             | 2440            | 0.57                  | 1.14              |
|             | 39             | 2480            | 0.72                  | 1.18              |

#### 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.
  8. According to April 2015 TCB workshop, SAR test exclusion can be applied for testing overlapping LTE bands as follows:
    - a) The maximum output power, including tolerance, for the smaller band must be  $\leq$  the larger band to qualify for the SAR test exclusion.
    - b) The channel bandwidth and other operating parameters for the smaller band must be fully supported by the larger band.
- LTE Band 2 (1850-1910 MHz) is covered by LTE Band 25(1850-1915 MHz)
  - LTE Band 4 (1710-1755 MHz) is covered by LTE Band 66 (1710-1780MHz)
  - LTE Band 17 (704-716 MHz) is covered by LTE Band 12(699-716MHz)



| LTE Band 2 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 1.4                                    | 1       | 0         | QPSK   | 22.07  | 21.88  | 22.04   |
| 1.4                                    | 1       | 2         |        | 21.95  | 21.74  | 21.89   |
| 1.4                                    | 1       | 5         |        | 21.87  | 21.86  | 21.98   |
| 1.4                                    | 3       | 0         |        | 21.97  | 21.85  | 22.15   |
| 1.4                                    | 3       | 1         |        | 21.87  | 21.79  | 22.04   |
| 1.4                                    | 3       | 2         |        | 22.14  | 22.01  | 22.1    |
| 1.4                                    | 6       | 0         |        | 21.11  | 21.06  | 21.23   |
| 1.4                                    | 1       | 0         | 16-QAM | 20.78  | 21.02  | 21.37   |
| 1.4                                    | 1       | 2         |        | 20.75  | 20.86  | 21.28   |
| 1.4                                    | 1       | 5         |        | 20.74  | 20.99  | 21.39   |
| 1.4                                    | 3       | 0         |        | 21.04  | 21.04  | 21.33   |
| 1.4                                    | 3       | 1         |        | 20.96  | 20.97  | 21.23   |
| 1.4                                    | 3       | 2         |        | 21.2   | 21.14  | 21.31   |
| 1.4                                    | 6       | 0         |        | 20.5   | 20.53  | 20.37   |
| 3                                      | 1       | 0         | QPSK   | 22.15  | 21.97  | 22.18   |
| 3                                      | 1       | 7         |        | 21.88  | 21.82  | 22.17   |
| 3                                      | 1       | 14        |        | 21.95  | 21.9   | 22.15   |
| 3                                      | 8       | 0         |        | 21.21  | 21.11  | 21.47   |
| 3                                      | 8       | 4         |        | 20.98  | 20.98  | 21.27   |
| 3                                      | 8       | 7         |        | 21.28  | 21.17  | 21.32   |
| 3                                      | 15      | 0         |        | 21.19  | 21.01  | 21.31   |
| 3                                      | 1       | 0         | 16-QAM | 21.37  | 21.06  | 21.42   |
| 3                                      | 1       | 7         |        | 21.18  | 20.9   | 21.44   |
| 3                                      | 1       | 14        |        | 21.31  | 20.97  | 21.46   |
| 3                                      | 8       | 0         |        | 20.36  | 20.2   | 20.5    |
| 3                                      | 8       | 4         |        | 20.17  | 20.05  | 20.3    |
| 3                                      | 8       | 7         |        | 20.32  | 20.36  | 20.34   |
| 3                                      | 15      | 0         |        | 20.12  | 20.07  | 20.46   |



| LTE Band 2 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                      | 1       | 0         | QPSK   | 22.6   | 22.09  | 22.08   |
| 5                                      | 1       | 12        |        | 22.5   | 22.21  | 22.47   |
| 5                                      | 1       | 24        |        | 21.94  | 22.31  | 22.3    |
| 5                                      | 12      | 0         |        | 21.36  | 21.12  | 21.11   |
| 5                                      | 12      | 6         |        | 21.42  | 21.23  | 21.3    |
| 5                                      | 12      | 11        |        | 21.25  | 21.33  | 21.64   |
| 5                                      | 25      | 0         |        | 21.35  | 21.27  | 21.43   |
| 5                                      | 1       | 0         | 16-QAM | 21.85  | 21.47  | 21.1    |
| 5                                      | 1       | 12        |        | 21.79  | 21.62  | 21.56   |
| 5                                      | 1       | 24        |        | 21.26  | 21.66  | 21.56   |
| 5                                      | 12      | 0         |        | 20.34  | 20.36  | 20.28   |
| 5                                      | 12      | 6         |        | 20.42  | 20.47  | 20.48   |
| 5                                      | 12      | 11        |        | 20.26  | 20.57  | 20.81   |
| 5                                      | 25      | 0         |        | 20.38  | 20.29  | 20.52   |
| 10                                     | 1       | 0         | QPSK   | 22.68  | 21.98  | 22      |
| 10                                     | 1       | 24        |        | 22.83  | 22.45  | 22.21   |
| 10                                     | 1       | 49        |        | 22.13  | 22.7   | 22.45   |
| 10                                     | 25      | 0         |        | 21.65  | 21.13  | 21.08   |
| 10                                     | 25      | 12        |        | 21.48  | 21.27  | 21.15   |
| 10                                     | 25      | 24        |        | 21.85  | 21.61  | 21.53   |
| 10                                     | 50      | 0         |        | 21.83  | 21.3   | 21.17   |
| 10                                     | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 10                                     | 1       | 24        |        | N/A    | N/A    | N/A     |
| 10                                     | 1       | 49        |        | N/A    | N/A    | N/A     |
| 10                                     | 25      | 0         |        | N/A    | N/A    | N/A     |
| 10                                     | 25      | 12        |        | N/A    | N/A    | N/A     |
| 10                                     | 25      | 24        |        | N/A    | N/A    | N/A     |
| 10                                     | 50      | 0         |        | N/A    | N/A    | N/A     |



| LTE Band 2 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 15                                     | 1       | 0         | QPSK   | 22.47  | 21.85  | 22.26   |
| 15                                     | 1       | 37        |        | 22.21  | 22.2   | 22.18   |
| 15                                     | 1       | 74        |        | 21.88  | 22.49  | 22.51   |
| 15                                     | 36      | 0         |        | 21.39  | 21.16  | 21.11   |
| 15                                     | 36      | 18        |        | 21.21  | 21.52  | 21.11   |
| 15                                     | 36      | 39        |        | 21.53  | 21.85  | 21.5    |
| 15                                     | 75      | 0         |        | 21.5   | 21.28  | 21.3    |
| 15                                     | 1       | 0         | 16-QAM | N/A    | N/A    |         |
| 15                                     | 1       | 38        |        | N/A    | N/A    | N/A     |
| 15                                     | 1       | 75        |        | N/A    | N/A    | N/A     |
| 15                                     | 36      | 0         |        | N/A    | N/A    | N/A     |
| 15                                     | 36      | 18        |        | N/A    | N/A    | N/A     |
| 15                                     | 36      | 39        |        | N/A    | N/A    | N/A     |
| 15                                     | 75      | 0         |        | N/A    | N/A    | N/A     |
| 20                                     | 1       | 0         | QPSK   | 22.43  | 21.83  | 22.47   |
| 20                                     | 1       | 49        |        | 21.98  | 22.45  | 22.21   |
| 20                                     | 1       | 99        |        | 21.7   | 22.55  | 22.51   |
| 20                                     | 50      | 0         |        | 21.2   | 21.18  | 21.27   |
| 20                                     | 50      | 24        |        | 21.05  | 21.49  | 21.15   |
| 20                                     | 50      | 49        |        | 21.33  | 21.98  | 21.57   |
| 20                                     | 100     | 0         |        | 21.43  | 21.3   | 21.33   |
| 20                                     | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 20                                     | 1       | 49        |        | N/A    | N/A    | N/A     |
| 20                                     | 1       | 99        |        | N/A    | N/A    | N/A     |
| 20                                     | 50      | 0         |        | N/A    | N/A    | N/A     |
| 20                                     | 50      | 24        |        | N/A    | N/A    | N/A     |
| 20                                     | 50      | 49        |        | N/A    | N/A    | N/A     |
| 20                                     | 100     | 0         |        | N/A    | N/A    | N/A     |



| LTE Band 4 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 1.4                                    | 1       | 0         | QPSK   | 21.44  | 22.13  | 21.62   |
| 1.4                                    | 1       | 2         |        | 21.4   | 22     | 21.61   |
| 1.4                                    | 1       | 5         |        | 21.41  | 22.13  | 21.71   |
| 1.4                                    | 3       | 0         |        | 21.33  | 22.16  | 21.56   |
| 1.4                                    | 3       | 1         |        | 21.23  | 22.1   | 21.49   |
| 1.4                                    | 3       | 2         |        | 21.45  | 22.14  | 21.75   |
| 1.4                                    | 6       | 0         |        | 20.55  | 21.29  | 20.83   |
| 1.4                                    | 1       | 0         | 16-QAM | 20.15  | 21.25  | 20.91   |
| 1.4                                    | 1       | 2         |        | 20.22  | 21.11  | 20.88   |
| 1.4                                    | 1       | 5         |        | 20.28  | 21.25  | 21.02   |
| 1.4                                    | 3       | 0         |        | 20.41  | 21.4   | 20.76   |
| 1.4                                    | 3       | 1         |        | 20.33  | 21.34  | 20.71   |
| 1.4                                    | 3       | 2         |        | 20.56  | 21.3   | 21      |
| 1.4                                    | 6       | 0         |        | 19.76  | 20.65  | 20.02   |
| 3                                      | 1       | 0         | QPSK   | 21.49  | 22.45  | 21.78   |
| 3                                      | 1       | 7         |        | 21.28  | 22.22  | 21.63   |
| 3                                      | 1       | 14        |        | 21.27  | 22.02  | 21.73   |
| 3                                      | 8       | 0         |        | 20.67  | 21.57  | 20.94   |
| 3                                      | 8       | 4         |        | 20.44  | 21.3   | 20.75   |
| 3                                      | 8       | 7         |        | 20.52  | 21.49  | 20.88   |
| 3                                      | 15      | 0         |        | 20.51  | 21.36  | 20.8    |
| 3                                      | 1       | 0         | 16-QAM | 20.65  | 21.62  | 21      |
| 3                                      | 1       | 7         |        | 20.53  | 21.38  | 20.92   |
| 3                                      | 1       | 14        |        | 20.57  | 21.14  | 21.06   |
| 3                                      | 8       | 0         |        | 19.79  | 20.7   | 19.97   |
| 3                                      | 8       | 4         |        | 19.57  | 20.44  | 19.8    |
| 3                                      | 8       | 7         |        | 19.65  | 20.62  | 19.93   |
| 3                                      | 15      | 0         |        | 19.53  | 20.34  | 19.98   |



| LTE Band 4 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                      | 1       | 0         | QPSK   | 21.7   | 22.75  | 21.65   |
| 5                                      | 1       | 12        |        | 21.62  | 22.46  | 21.89   |
| 5                                      | 1       | 24        |        | 21.74  | 21.93  | 21.79   |
| 5                                      | 12      | 0         |        | 20.51  | 21.61  | 20.65   |
| 5                                      | 12      | 6         |        | 20.48  | 21.61  | 20.79   |
| 5                                      | 12      | 11        |        | 20.78  | 21.42  | 20.95   |
| 5                                      | 25      | 0         |        | 20.66  | 21.41  | 20.85   |
| 5                                      | 1       | 0         | 16-QAM | 20.97  | 21.97  | 20.63   |
| 5                                      | 1       | 12        |        | 20.95  | 21.78  | 20.97   |
| 5                                      | 1       | 24        |        | 21.23  | 21.27  | 20.94   |
| 5                                      | 12      | 0         |        | 19.69  | 20.8   | 19.85   |
| 5                                      | 12      | 6         |        | 19.66  | 20.78  | 19.99   |
| 5                                      | 12      | 11        |        | 19.96  | 20.59  | 20.16   |
| 5                                      | 25      | 0         |        | 19.88  | 20.5   | 19.97   |
| 10                                     | 1       | 0         | QPSK   | 21.73  | 22.28  | 21.28   |
| 10                                     | 1       | 24        |        | 21.73  | 22.59  | 21.6    |
| 10                                     | 1       | 49        |        | 22.21  | 22.1   | 21.83   |
| 10                                     | 25      | 0         |        | 20.65  | 21.32  | 20.47   |
| 10                                     | 25      | 12        |        | 20.78  | 21.42  | 20.51   |
| 10                                     | 25      | 24        |        | 21.23  | 21.51  | 20.89   |
| 10                                     | 50      | 0         |        | 20.77  | 21.24  | 20.43   |
| 10                                     | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 10                                     | 1       | 24        |        | N/A    | N/A    | N/A     |
| 10                                     | 1       | 49        |        | N/A    | N/A    | N/A     |
| 10                                     | 25      | 0         |        | N/A    | N/A    | N/A     |
| 10                                     | 25      | 12        |        | N/A    | N/A    | N/A     |
| 10                                     | 25      | 24        |        | N/A    | N/A    | N/A     |
| 10                                     | 50      | 0         |        | N/A    | N/A    | N/A     |



| LTE Band 4 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 15                                     | 1       | 0         | QPSK   | 21.61  | 22.74  | 21.48   |
| 15                                     | 1       | 37        |        | 22.27  | 22.22  | 21.61   |
| 15                                     | 1       | 74        |        | 22.11  | 21.65  | 21.73   |
| 15                                     | 36      | 0         |        | 20.74  | 21.48  | 20.34   |
| 15                                     | 36      | 18        |        | 21.22  | 21.4   | 20.36   |
| 15                                     | 36      | 39        |        | 21.6   | 21.3   | 20.83   |
| 15                                     | 75      | 0         |        | 21.09  | 21.28  | 20.7    |
| 15                                     | 1       | 0         | 16-QAM | N/A    | /      | N/A     |
| 15                                     | 1       | 38        |        | N/A    | N/A    | N/A     |
| 15                                     | 1       | 75        |        | N/A    | N/A    | N/A     |
| 15                                     | 36      | 0         |        | N/A    | N/A    | N/A     |
| 15                                     | 36      | 18        |        | N/A    | N/A    | N/A     |
| 15                                     | 36      | 39        |        | N/A    | N/A    | N/A     |
| 15                                     | 75      | 0         |        | N/A    | N/A    | N/A     |
| 20                                     | 1       | 0         | QPSK   | 21.74  | 22.35  | 22.11   |
| 20                                     | 1       | 49        |        | 22.11  | 22.47  | 21.73   |
| 20                                     | 1       | 99        |        | 22.05  | 21.38  | 21.8    |
| 20                                     | 50      | 0         |        | 21.05  | 21.91  | 20.75   |
| 20                                     | 50      | 24        |        | 21.35  | 21.77  | 20.43   |
| 20                                     | 50      | 49        |        | 21.74  | 21.43  | 20.89   |
| 20                                     | 100     | 0         |        | 21.42  | 21.32  | 20.67   |
| 20                                     | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 20                                     | 1       | 49        |        | N/A    | N/A    | N/A     |
| 20                                     | 1       | 99        |        | N/A    | N/A    | N/A     |
| 20                                     | 50      | 0         |        | N/A    | N/A    | N/A     |
| 20                                     | 50      | 24        |        | N/A    | N/A    | N/A     |
| 20                                     | 50      | 49        |        | N/A    | N/A    | N/A     |
| 20                                     | 100     | 0         |        | N/A    | N/A    | N/A     |



| LTE Band 5 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 1.4                                    | 1       | 0         | QPSK   | 21.69  | 21.78  | 21.81   |
| 1.4                                    | 1       | 2         |        | 21.53  | 21.65  | 21.42   |
| 1.4                                    | 1       | 5         |        | 21.52  | 21.77  | 21.41   |
| 1.4                                    | 3       | 0         |        | 21.48  | 21.73  | 21.69   |
| 1.4                                    | 3       | 1         |        | 21.38  | 21.64  | 21.43   |
| 1.4                                    | 3       | 2         |        | 21.59  | 21.94  | 21.48   |
| 1.4                                    | 6       | 0         |        | 20.47  | 20.93  | 20.58   |
| 1.4                                    | 1       | 0         | 16-QAM | 20.5   | 20.92  | 21.15   |
| 1.4                                    | 1       | 2         |        | 20.41  | 20.79  | 20.82   |
| 1.4                                    | 1       | 5         |        | 20.45  | 20.91  | 20.7    |
| 1.4                                    | 3       | 0         |        | 20.62  | 20.93  | 20.94   |
| 1.4                                    | 3       | 1         |        | 20.52  | 20.81  | 20.79   |
| 1.4                                    | 3       | 2         |        | 20.7   | 21.09  | 20.73   |
| 1.4                                    | 6       | 0         |        | 19.67  | 20.25  | 19.84   |
| 3                                      | 1       | 0         | QPSK   | 21.41  | 21.74  | 21.92   |
| 3                                      | 1       | 7         |        | 21.18  | 21.74  | 21.73   |
| 3                                      | 1       | 14        |        | 21.37  | 21.7   | 21.39   |
| 3                                      | 8       | 0         |        | 20.62  | 21.14  | 21.14   |
| 3                                      | 8       | 4         |        | 20.4   | 20.96  | 20.82   |
| 3                                      | 8       | 7         |        | 20.5   | 20.95  | 20.62   |
| 3                                      | 15      | 0         |        | 20.46  | 21.01  | 20.78   |
| 3                                      | 1       | 0         | 16-QAM | 20.66  | 20.92  | 21.11   |
| 3                                      | 1       | 7         |        | 20.5   | 20.9   | 21      |
| 3                                      | 1       | 14        |        | 20.72  | 20.84  | 20.72   |
| 3                                      | 8       | 0         |        | 19.8   | 20.3   | 20.2    |
| 3                                      | 8       | 4         |        | 19.58  | 20.12  | 19.9    |
| 3                                      | 8       | 7         |        | 19.68  | 20.11  | 19.7    |
| 3                                      | 15      | 0         |        | 19.56  | 20.01  | 19.99   |



| LTE Band 5 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                      | 1       | 0         | QPSK   | 21.49  | 21.89  | 21.68   |
| 5                                      | 1       | 12        |        | 21.46  | 21.83  | 21.99   |
| 5                                      | 1       | 24        |        | 21.52  | 21.56  | 21.43   |
| 5                                      | 12      | 0         |        | 20.45  | 20.89  | 20.89   |
| 5                                      | 12      | 6         |        | 20.45  | 20.81  | 21.12   |
| 5                                      | 12      | 11        |        | 20.52  | 20.9   | 20.74   |
| 5                                      | 25      | 0         |        | 20.41  | 20.84  | 20.74   |
| 5                                      | 1       | 0         | 16-QAM | 20.81  | 21.24  | 20.62   |
| 5                                      | 1       | 12        |        | 20.84  | 21.18  | 21.08   |
| 5                                      | 1       | 24        |        | 20.94  | 20.91  | 20.55   |
| 5                                      | 12      | 0         |        | 19.55  | 20.08  | 20.11   |
| 5                                      | 12      | 6         |        | 19.57  | 19.99  | 20.36   |
| 5                                      | 12      | 11        |        | 19.63  | 20.12  | 19.98   |
| 5                                      | 25      | 0         |        | 19.55  | 19.96  | 19.92   |
| 10                                     | 1       | 0         | QPSK   | 21.41  | 21.88  | 21.55   |
| 10                                     | 1       | 24        |        | 21.78  | 21.89  | 21.58   |
| 10                                     | 1       | 49        |        | 21.97  | 21.3   | 21.52   |
| 10                                     | 25      | 0         |        | 20.49  | 21.31  | 20.44   |
| 10                                     | 25      | 12        |        | 20.65  | 21.16  | 20.57   |
| 10                                     | 25      | 24        |        | 20.88  | 20.79  | 20.93   |
| 10                                     | 50      | 0         |        | 20.74  | 21.02  | 20.45   |
| 10                                     | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 10                                     | 1       | 24        |        | N/A    | N/A    | N/A     |
| 10                                     | 1       | 49        |        | N/A    | N/A    | N/A     |
| 10                                     | 25      | 0         |        | N/A    | N/A    | N/A     |
| 10                                     | 25      | 12        |        | N/A    | N/A    | N/A     |
| 10                                     | 25      | 24        |        | N/A    | N/A    | N/A     |
| 10                                     | 50      | 0         |        | N/A    | N/A    | N/A     |



| LTE Band 7 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                      | 1       | 0         | QPSK   | 21.78  | 21.85  | 21.97   |
| 5                                      | 1       | 12        |        | 21.88  | 21.74  | 21.99   |
| 5                                      | 1       | 24        |        | 21.86  | 21.85  | 21.9    |
| 5                                      | 12      | 0         |        | 20.92  | 21.01  | 20.9    |
| 5                                      | 12      | 6         |        | 20.96  | 21.13  | 20.92   |
| 5                                      | 12      | 11        |        | 20.98  | 21.07  | 21.16   |
| 5                                      | 25      | 0         |        | 21     | 20.9   | 21.07   |
| 5                                      | 1       | 0         | 16-QAM | 21.05  | 21.01  | 20.93   |
| 5                                      | 1       | 12        |        | 21.23  | 20.99  | 21.05   |
| 5                                      | 1       | 24        |        | 21.23  | 21.07  | 21.03   |
| 5                                      | 12      | 0         |        | 19.99  | 20.15  | 20.05   |
| 5                                      | 12      | 6         |        | 20.03  | 20.28  | 20.1    |
| 5                                      | 12      | 11        |        | 20.05  | 20.23  | 20.36   |
| 5                                      | 25      | 0         |        | 20.18  | 20.02  | 20.23   |
| 10                                     | 1       | 0         | QPSK   | 21.83  | 21.68  | 22.23   |
| 10                                     | 1       | 24        |        | 22.17  | 21.85  | 22.37   |
| 10                                     | 1       | 49        |        | 22.03  | 21.97  | 22.25   |
| 10                                     | 25      | 0         |        | 21     | 20.96  | 21.23   |
| 10                                     | 25      | 12        |        | 21.08  | 21.03  | 21.14   |
| 10                                     | 25      | 24        |        | 21.28  | 21.27  | 21.33   |
| 10                                     | 50      | 0         |        | 21.11  | 20.93  | 21.15   |
| 10                                     | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 10                                     | 1       | 24        |        | N/A    | N/A    | N/A     |
| 10                                     | 1       | 49        |        | N/A    | N/A    | N/A     |
| 10                                     | 25      | 0         |        | N/A    | N/A    | N/A     |
| 10                                     | 25      | 12        |        | N/A    | N/A    | N/A     |
| 10                                     | 25      | 24        |        | N/A    | N/A    | N/A     |
| 10                                     | 50      | 0         |        | N/A    | N/A    | N/A     |



| LTE Band 7 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 15                                     | 1       | 0         | QPSK   | 21.97  | 22.08  | 22.63   |
| 15                                     | 1       | 37        |        | 22.2   | 21.98  | 22.3    |
| 15                                     | 1       | 74        |        | 22.28  | 22.18  | 22.29   |
| 15                                     | 36      | 0         |        | 21.14  | 21.15  | 21.33   |
| 15                                     | 36      | 18        |        | 21.02  | 21.22  | 21.18   |
| 15                                     | 36      | 39        |        | 21.33  | 21.39  | 21.48   |
| 15                                     | 75      | 0         |        | 21.26  | 20.98  | 21.32   |
| 15                                     | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 15                                     | 1       | 37        |        | N/A    | N/A    | N/A     |
| 15                                     | 1       | 74        |        | N/A    | N/A    | N/A     |
| 15                                     | 36      | 0         |        | N/A    | N/A    | N/A     |
| 15                                     | 36      | 18        |        | N/A    | N/A    | N/A     |
| 15                                     | 36      | 39        |        | N/A    | N/A    | N/A     |
| 15                                     | 75      | 0         |        | N/A    | N/A    | N/A     |
| 20                                     | 1       | 0         | QPSK   | 21.95  | 22.15  | 22.54   |
| 20                                     | 1       | 49        |        | 22.38  | 22.51  | 22.39   |
| 20                                     | 1       | 99        |        | 22.02  | 22.38  | 22.28   |
| 20                                     | 50      | 0         |        | 21.24  | 21.08  | 21.49   |
| 20                                     | 50      | 24        |        | 21.19  | 21.16  | 21.29   |
| 20                                     | 50      | 49        |        | 21.52  | 21.63  | 21.61   |
| 20                                     | 100     | 0         |        | 21.25  | 21.13  | 21.52   |
| 20                                     | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 20                                     | 1       | 49        |        | N/A    | N/A    | N/A     |
| 20                                     | 1       | 99        |        | N/A    | N/A    | N/A     |
| 20                                     | 50      | 0         |        | N/A    | N/A    | N/A     |
| 20                                     | 50      | 24        |        | N/A    | N/A    | N/A     |
| 20                                     | 50      | 49        |        | N/A    | N/A    | N/A     |
| 20                                     | 100     | 0         |        | N/A    | N/A    | N/A     |



| LTE Band 12 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 1.4                                     | 1       | 0         | QPSK   | 23.06  | 22.04  | 22.35   |
| 1.4                                     | 1       | 2         |        | 22.94  | 21.86  | 22.17   |
| 1.4                                     | 1       | 5         |        | 23.23  | 21.97  | 22.2    |
| 1.4                                     | 3       | 0         |        | 22.93  | 22.02  | 22.19   |
| 1.4                                     | 3       | 1         |        | 22.91  | 21.95  | 22.09   |
| 1.4                                     | 3       | 2         |        | 23.21  | 22.02  | 22.3    |
| 1.4                                     | 6       | 0         |        | 21.95  | 21.02  | 21.25   |
| 1.4                                     | 1       | 0         | 16-QAM | 21.65  | 21.16  | 21.51   |
| 1.4                                     | 1       | 2         |        | 21.65  | 20.99  | 21.4    |
| 1.4                                     | 1       | 5         |        | 21.98  | 21.09  | 21.47   |
| 1.4                                     | 3       | 0         |        | 21.87  | 21.19  | 21.34   |
| 1.4                                     | 3       | 1         |        | 21.86  | 21.1   | 21.27   |
| 1.4                                     | 3       | 2         |        | 22.14  | 21.18  | 21.49   |
| 1.4                                     | 6       | 0         |        | 21.06  | 20.34  | 20.45   |
| 3                                       | 1       | 0         | QPSK   | 22.78  | 21.95  | 22.42   |
| 3                                       | 1       | 7         |        | 23.03  | 21.64  | 22.19   |
| 3                                       | 1       | 14        |        | 22.74  | 22.28  | 22.16   |
| 3                                       | 8       | 0         |        | 21.78  | 21.05  | 21.61   |
| 3                                       | 8       | 4         |        | 21.78  | 20.87  | 21.26   |
| 3                                       | 8       | 7         |        | 22.07  | 21.11  | 21.23   |
| 3                                       | 15      | 0         |        | 21.82  | 21.05  | 21.11   |
| 3                                       | 1       | 0         | 16-QAM | 21.79  | 21.15  | 21.57   |
| 3                                       | 1       | 7         |        | 22.12  | 20.84  | 21.55   |
| 3                                       | 1       | 14        |        | 21.87  | 21.34  | 21.42   |
| 3                                       | 8       | 0         |        | 20.87  | 20.23  | 20.69   |
| 3                                       | 8       | 4         |        | 20.88  | 20.03  | 20.35   |
| 3                                       | 8       | 7         |        | 21.17  | 20.25  | 20.33   |
| 3                                       | 15      | 0         |        | 20.85  | 20.02  | 20.29   |



| LTE Band 12 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                       | 1       | 0         | QPSK   | 22.74  | 22.07  | 22.13   |
| 5                                       | 1       | 12        |        | 22.92  | 21.82  | 22.14   |
| 5                                       | 1       | 24        |        | 22.12  | 21.83  | 22.08   |
| 5                                       | 12      | 0         |        | 21.96  | 21.07  | 21.26   |
| 5                                       | 12      | 6         |        | 22.16  | 21.25  | 21.04   |
| 5                                       | 12      | 11        |        | 21.39  | 20.87  | 21.25   |
| 5                                       | 25      | 0         |        | 21.5   | 20.92  | 21.15   |
| 5                                       | 1       | 0         | 16-QAM | 21.9   | 21.28  | 21.14   |
| 5                                       | 1       | 12        |        | 22.18  | 21.16  | 21.25   |
| 5                                       | 1       | 24        |        | 21.45  | 21.12  | 21.16   |
| 5                                       | 12      | 0         |        | 21.12  | 20.27  | 20.46   |
| 5                                       | 12      | 6         |        | 21.34  | 20.3   | 20.25   |
| 5                                       | 12      | 11        |        | 20.47  | 20.03  | 20.47   |
| 5                                       | 25      | 0         |        | 20.61  | 20.04  | 20.29   |
| 10                                      | 1       | 0         | QPSK   | 22.66  | 22.1   | 21.82   |
| 10                                      | 1       | 24        |        | 22.49  | 21.96  | 22.24   |
| 10                                      | 1       | 49        |        | 21.98  | 22.33  | 22.15   |
| 10                                      | 25      | 0         |        | 21.84  | 21.26  | 21.21   |
| 10                                      | 25      | 12        |        | 21.67  | 21.18  | 21.45   |
| 10                                      | 25      | 24        |        | 21.12  | 21.05  | 21.69   |
| 10                                      | 50      | 0         |        | 21.36  | 21.05  | 21.05   |
| 10                                      | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 10                                      | 1       | 24        |        | N/A    | N/A    | N/A     |
| 10                                      | 1       | 49        |        | N/A    | N/A    | N/A     |
| 10                                      | 25      | 0         |        | N/A    | N/A    | N/A     |
| 10                                      | 25      | 12        |        | N/A    | N/A    | N/A     |
| 10                                      | 25      | 24        |        | N/A    | N/A    | N/A     |
| 10                                      | 50      | 0         |        | N/A    | N/A    | N/A     |



| LTE Band 17 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                       | 1       | 0         | QPSK   | 21.77  | 21.68  | 21.91   |
| 5                                       | 1       | 12        |        | 21.81  | 21.74  | 22      |
| 5                                       | 1       | 24        |        | 21.73  | 22.13  | 21.94   |
| 5                                       | 12      | 0         |        | 20.79  | 21.23  | 21.12   |
| 5                                       | 12      | 6         |        | 20.85  | 21.44  | 20.9    |
| 5                                       | 12      | 11        |        | 20.6   | 21.09  | 21.01   |
| 5                                       | 25      | 0         |        | 20.63  | 20.7   | 21.02   |
| 5                                       | 1       | 0         | 16-QAM | 21.06  | 21.02  | 20.9    |
| 5                                       | 1       | 12        |        | 21.14  | 21.07  | 21.11   |
| 5                                       | 1       | 24        |        | 21.1   | 21.4   | 21.03   |
| 5                                       | 12      | 0         |        | 19.88  | 20.44  | 20.34   |
| 5                                       | 12      | 6         |        | 19.95  | 20.62  | 20.11   |
| 5                                       | 12      | 11        |        | 19.69  | 20.29  | 20.22   |
| 5                                       | 25      | 0         |        | 19.76  | 19.78  | 20.14   |
| 10                                      | 1       | 0         | QPSK   | 21.89  | 21.68  | 21.80   |
| 10                                      | 1       | 24        |        | 21.84  | 21.97  | 22.00   |
| 10                                      | 1       | 49        |        | 21.88  | 21.68  | 21.79   |
| 10                                      | 25      | 0         |        | 20.80  | 20.79  | 20.95   |
| 10                                      | 25      | 12        |        | 21.06  | 21.17  | 21.32   |
| 10                                      | 25      | 24        |        | 21.21  | 21.28  | 21.21   |
| 10                                      | 50      | 0         |        | 20.69  | 20.61  | 20.78   |
| 10                                      | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 10                                      | 1       | 24        |        | N/A    | N/A    | N/A     |
| 10                                      | 1       | 49        |        | N/A    | N/A    | N/A     |
| 10                                      | 25      | 0         |        | N/A    | N/A    | N/A     |
| 10                                      | 25      | 12        |        | N/A    | N/A    | N/A     |
| 10                                      | 25      | 24        |        | N/A    | N/A    | N/A     |
| 10                                      | 50      | 0         |        | N/A    | N/A    | N/A     |



| LTE Band 25 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 1.4                                     | 1       | 0         | QPSK   | 22.17  | 22.07  | 21.63   |
| 1.4                                     | 1       | 2         |        | 21.96  | 22.08  | 21.51   |
| 1.4                                     | 1       | 5         |        | 22.13  | 22.32  | 21.5    |
| 1.4                                     | 3       | 0         |        | 22.02  | 22.12  | 21.57   |
| 1.4                                     | 3       | 1         |        | 21.95  | 22.08  | 21.43   |
| 1.4                                     | 3       | 2         |        | 22.10  | 22.46  | 21.65   |
| 1.4                                     | 6       | 0         |        | 21.13  | 21.49  | 20.73   |
| 1.4                                     | 1       | 0         | 16-QAM | 21.07  | 21.22  | 20.9    |
| 1.4                                     | 1       | 2         |        | 20.89  | 21.19  | 20.83   |
| 1.4                                     | 1       | 5         |        | 21.17  | 21.42  | 20.86   |
| 1.4                                     | 3       | 0         |        | 21.25  | 21.27  | 20.81   |
| 1.4                                     | 3       | 1         |        | 21.17  | 21.21  | 20.69   |
| 1.4                                     | 3       | 2         |        | 21.30  | 21.6   | 20.93   |
| 1.4                                     | 6       | 0         |        | 20.42  | 20.8   | 19.96   |
| 3                                       | 1       | 0         | QPSK   | 22.34  | 22.18  | 21.98   |
| 3                                       | 1       | 7         |        | 22.09  | 22.31  | 21.82   |
| 3                                       | 1       | 14        |        | 22.22  | 22.42  | 21.6    |
| 3                                       | 8       | 0         |        | 21.42  | 21.51  | 21.39   |
| 3                                       | 8       | 4         |        | 21.2   | 21.49  | 20.98   |
| 3                                       | 8       | 7         |        | 21.35  | 21.66  | 20.8    |
| 3                                       | 15      | 0         |        | 21.28  | 21.54  | 20.99   |
| 3                                       | 1       | 0         | 16-QAM | 21.46  | 21.32  | 21.25   |
| 3                                       | 1       | 7         |        | 21.27  | 21.44  | 21.13   |
| 3                                       | 1       | 14        |        | 21.41  | 21.53  | 20.95   |
| 3                                       | 8       | 0         |        | 20.51  | 20.63  | 20.46   |
| 3                                       | 8       | 4         |        | 20.31  | 20.62  | 20.05   |
| 3                                       | 8       | 7         |        | 20.44  | 20.77  | 19.86   |
| 3                                       | 15      | 0         |        | 20.27  | 20.49  | 20.22   |



| LTE Band 25 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                       | 1       | 0         | QPSK   | 22.37  | 22.21  | 22.22   |
| 5                                       | 1       | 12        |        | 22.13  | 22.54  | 22.14   |
| 5                                       | 1       | 24        |        | 21.75  | 22.49  | 21.6    |
| 5                                       | 12      | 0         |        | 21.4   | 21.32  | 20.91   |
| 5                                       | 12      | 6         |        | 21.43  | 21.55  | 20.8    |
| 5                                       | 12      | 11        |        | 21.11  | 21.71  | 21.22   |
| 5                                       | 25      | 0         |        | 21.37  | 21.57  | 21.25   |
| 5                                       | 1       | 0         | 16-QAM | 21.78  | 21.52  | 21.25   |
| 5                                       | 1       | 12        |        | 21.56  | 21.84  | 21.25   |
| 5                                       | 1       | 24        |        | 21.13  | 21.83  | 20.76   |
| 5                                       | 12      | 0         |        | 20.43  | 20.48  | 20.09   |
| 5                                       | 12      | 6         |        | 20.48  | 20.71  | 19.98   |
| 5                                       | 12      | 11        |        | 20.16  | 20.88  | 20.42   |
| 5                                       | 25      | 0         |        | 20.44  | 20.66  | 20.34   |
| 10                                      | 1       | 0         | QPSK   | 22.28  | 22.09  | 22.24   |
| 10                                      | 1       | 24        |        | 22.4   | 22.58  | 22.16   |
| 10                                      | 1       | 49        |        | 21.69  | 22.6   | 21.82   |
| 10                                      | 25      | 0         |        | 21.38  | 21.59  | 21.33   |
| 10                                      | 25      | 12        |        | 21.22  | 21.74  | 21.42   |
| 10                                      | 25      | 24        |        | 21.41  | 21.76  | 21.5    |
| 10                                      | 50      | 0         |        | 21.41  | 21.5   | 20.94   |
| 10                                      | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 10                                      | 1       | 24        |        | N/A    | N/A    | N/A     |
| 10                                      | 1       | 49        |        | N/A    | N/A    | N/A     |
| 10                                      | 25      | 0         |        | N/A    | N/A    | N/A     |
| 10                                      | 25      | 12        |        | N/A    | N/A    | N/A     |
| 10                                      | 25      | 24        |        | N/A    | N/A    | N/A     |
| 10                                      | 50      | 0         |        | N/A    | N/A    | N/A     |



| LTE Band 25 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 15                                      | 1       | 0         | QPSK   | 22.1   | 21.64  | 21.97   |
| 15                                      | 1       | 37        |        | 21.83  | 22.49  | 22.36   |
| 15                                      | 1       | 74        |        | 21.48  | 22.35  | 21.75   |
| 15                                      | 36      | 0         |        | 21.17  | 21.25  | 21.04   |
| 15                                      | 36      | 18        |        | 20.95  | 21.68  | 21.05   |
| 15                                      | 36      | 39        |        | 21.23  | 21.77  | 21.73   |
| 15                                      | 75      | 0         |        | 21.25  | 21.5   | 21.3    |
| 15                                      | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 15                                      | 1       | 38        |        | N/A    | N/A    | N/A     |
| 15                                      | 1       | 75        |        | N/A    | N/A    | N/A     |
| 15                                      | 36      | 0         |        | N/A    | N/A    | N/A     |
| 15                                      | 36      | 18        |        | N/A    | N/A    | N/A     |
| 15                                      | 36      | 39        |        | N/A    | N/A    | N/A     |
| 15                                      | 75      | 0         |        | N/A    | N/A    | N/A     |
| 20                                      | 1       | 0         | QPSK   | 22.45  | 21.91  | 22.26   |
| 20                                      | 1       | 49        |        | 21.95  | 22.62  | 22.31   |
| 20                                      | 1       | 99        |        | 21.46  | 22.39  | 21.8    |
| 20                                      | 50      | 0         |        | 21.09  | 21.24  | 21.15   |
| 20                                      | 50      | 24        |        | 21.01  | 21.71  | 21.22   |
| 20                                      | 50      | 49        |        | 21.15  | 22.08  | 21.73   |
| 20                                      | 100     | 0         |        | 21.28  | 21.57  | 21.37   |
| 20                                      | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 20                                      | 1       | 49        |        | N/A    | N/A    | N/A     |
| 20                                      | 1       | 99        |        | N/A    | N/A    | N/A     |
| 20                                      | 50      | 0         |        | N/A    | N/A    | N/A     |
| 20                                      | 50      | 24        |        | N/A    | N/A    | N/A     |
| 20                                      | 50      | 49        |        | N/A    | N/A    | N/A     |
| 20                                      | 100     | 0         |        | N/A    | N/A    | N/A     |



| LTE Band 26 Part22-824-849M Maximum Average Power [dBm] |         |           |        |        |        |         |
|---------------------------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                                       | 1       | 0         | QPSK   | 21.72  | 22.79  | 22.19   |
| 5                                                       | 1       | 12        |        | 21.66  | 22.25  | 22.38   |
| 5                                                       | 1       | 24        |        | 21.74  | 21.75  | 21.84   |
| 5                                                       | 12      | 0         |        | 20.68  | 21.66  | 21.42   |
| 5                                                       | 12      | 6         |        | 20.8   | 21.47  | 21.66   |
| 5                                                       | 12      | 11        |        | 20.61  | 20.98  | 21.31   |
| 5                                                       | 25      | 0         |        | 20.63  | 21.27  | 21.32   |
| 5                                                       | 1       | 0         | 16-QAM | 21.05  | 22.01  | 21.15   |
| 5                                                       | 1       | 12        |        | 21.04  | 21.52  | 21.49   |
| 5                                                       | 1       | 24        |        | 21.13  | 21.03  | 20.95   |
| 5                                                       | 12      | 0         |        | 19.77  | 20.86  | 20.61   |
| 5                                                       | 12      | 6         |        | 19.9   | 20.67  | 20.86   |
| 5                                                       | 12      | 11        |        | 19.72  | 20.2   | 20.51   |
| 5                                                       | 25      | 0         |        | 19.78  | 20.38  | 20.42   |
| 10                                                      | 1       | 0         | QPSK   | 21.96  | 22.94  | 21.77   |
| 10                                                      | 1       | 24        |        | 22.03  | 22.36  | 21.8    |
| 10                                                      | 1       | 49        |        | 22.6   | 21.62  | 21.91   |
| 10                                                      | 25      | 0         |        | 21.22  | 22.11  | 20.91   |
| 10                                                      | 25      | 12        |        | 21.47  | 21.83  | 20.93   |
| 10                                                      | 25      | 24        |        | 21.36  | 20.98  | 21.29   |
| 10                                                      | 50      | 0         |        | 21     | 21.23  | 20.97   |
| 10                                                      | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 10                                                      | 1       | 24        |        | N/A    | N/A    | N/A     |
| 10                                                      | 1       | 49        |        | N/A    | N/A    | N/A     |
| 10                                                      | 25      | 0         |        | N/A    | N/A    | N/A     |
| 10                                                      | 25      | 12        |        | N/A    | N/A    | N/A     |
| 10                                                      | 25      | 24        |        | N/A    | N/A    | N/A     |
| 10                                                      | 50      | 0         |        | N/A    | N/A    | N/A     |



| LTE Band 26 Part22-824-849M Maximum Average Power [dBm] |         |           |        |        |        |         |
|---------------------------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 15                                                      | 1       | 0         | QPSK   | 21.37  | 22     | 22.2    |
| 15                                                      | 1       | 37        |        | 22.23  | 21.92  | 21.75   |
| 15                                                      | 1       | 74        |        | 21.98  | 21.53  | 21.7    |
| 15                                                      | 36      | 0         |        | 20.99  | 21.73  | 20.91   |
| 15                                                      | 36      | 18        |        | 21.65  | 21.47  | 20.68   |
| 15                                                      | 36      | 39        |        | 21.47  | 20.83  | 20.99   |
| 15                                                      | 75      | 0         |        | 21.07  | 20.86  | 21      |
| 15                                                      | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 15                                                      | 1       | 38        |        | N/A    | N/A    | N/A     |
| 15                                                      | 1       | 75        |        | N/A    | N/A    | N/A     |
| 15                                                      | 36      | 0         |        | N/A    | N/A    | N/A     |
| 15                                                      | 36      | 18        |        | N/A    | N/A    | N/A     |
| 15                                                      | 36      | 39        |        | N/A    | N/A    | N/A     |
| 15                                                      | 75      | 0         |        | N/A    | N/A    | N/A     |



| LTE Band 26 Part90-814-824M Maximum Average Power [dBm] |         |           |        |        |        |         |
|---------------------------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 1.4                                                     | 1       | 0         | QPSK   | 22.92  | 22.75  | 21.86   |
| 1.4                                                     | 1       | 2         |        | 22.85  | 22.71  | 21.7    |
| 1.4                                                     | 1       | 5         |        | 22.92  | 22.75  | 21.65   |
| 1.4                                                     | 3       | 0         |        | 22.81  | 22.74  | 21.72   |
| 1.4                                                     | 3       | 1         |        | 22.79  | 22.67  | 21.61   |
| 1.4                                                     | 3       | 2         |        | 22.99  | 22.89  | 21.77   |
| 1.4                                                     | 6       | 0         |        | 21.73  | 21.88  | 20.82   |
| 1.4                                                     | 1       | 0         | 16-QAM | 21.64  | 21.89  | 21.15   |
| 1.4                                                     | 1       | 2         |        | 21.67  | 21.83  | 21.04   |
| 1.4                                                     | 1       | 5         |        | 21.78  | 21.86  | 21.03   |
| 1.4                                                     | 3       | 0         |        | 21.88  | 21.92  | 20.98   |
| 1.4                                                     | 3       | 1         |        | 21.88  | 21.83  | 20.89   |
| 1.4                                                     | 3       | 2         |        | 22.05  | 22.04  | 21.06   |
| 1.4                                                     | 6       | 0         |        | 20.88  | 21.18  | 20.05   |
| 3                                                       | 1       | 0         | QPSK   | 22.65  | 22.91  | 22.34   |
| 3                                                       | 1       | 7         |        | 22.77  | 22.59  | 21.72   |
| 3                                                       | 1       | 14        |        | 22.59  | 22.36  | 21.58   |
| 3                                                       | 8       | 0         |        | 21.61  | 22     | 21.17   |
| 3                                                       | 8       | 4         |        | 21.67  | 21.8   | 20.86   |
| 3                                                       | 8       | 7         |        | 22.08  | 21.85  | 20.91   |
| 3                                                       | 15      | 0         |        | 21.65  | 21.71  | 20.78   |
| 3                                                       | 1       | 0         | 16-QAM | 21.81  | 22.08  | 21.64   |
| 3                                                       | 1       | 7         |        | 22.02  | 21.76  | 21.07   |
| 3                                                       | 1       | 14        |        | 21.87  | 21.51  | 20.96   |
| 3                                                       | 8       | 0         |        | 20.74  | 21.15  | 20.28   |
| 3                                                       | 8       | 4         |        | 20.8   | 20.96  | 19.99   |
| 3                                                       | 8       | 7         |        | 21.21  | 20.99  | 20.05   |
| 3                                                       | 15      | 0         |        | 20.66  | 20.7   | 19.97   |



| LTE Band 26 Part90-814-824M Maximum Average Power [dBm] |         |           |        |        |        |         |
|---------------------------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                                       | 1       | 0         | QPSK   | 22.48  | 22.77  | 22.87   |
| 5                                                       | 1       | 12        |        | 22.66  | 22.68  | 22.08   |
| 5                                                       | 1       | 24        |        | 22.24  | 21.95  | 21.43   |
| 5                                                       | 12      | 0         |        | 21.78  | 21.93  | 21.48   |
| 5                                                       | 12      | 6         |        | 22.2   | 21.83  | 21.16   |
| 5                                                       | 12      | 11        |        | 21.49  | 21.3   | 20.62   |
| 5                                                       | 25      | 0         |        | 21.6   | 21.55  | 20.92   |
| 5                                                       | 1       | 0         | 16-QAM | 21.78  | 21.95  | 21.91   |
| 5                                                       | 1       | 12        |        | 22.01  | 22     | 21.15   |
| 5                                                       | 1       | 24        |        | 21.6   | 21.28  | 20.57   |
| 5                                                       | 12      | 0         |        | 20.85  | 21.11  | 20.66   |
| 5                                                       | 12      | 6         |        | 21.27  | 21.01  | 20.35   |
| 5                                                       | 12      | 11        |        | 20.58  | 20.48  | 19.84   |
| 5                                                       | 25      | 0         |        | 20.7   | 20.65  | 20.03   |
| 10                                                      | 1       | 0         | QPSK   | N/A    | 22.4   | N/A     |
| 10                                                      | 1       | 24        |        | N/A    | 22.75  | N/A     |
| 10                                                      | 1       | 49        |        | N/A    | 22.15  | N/A     |
| 10                                                      | 25      | 0         |        | N/A    | 21.89  | N/A     |
| 10                                                      | 25      | 12        |        | N/A    | 21.95  | N/A     |
| 10                                                      | 25      | 24        |        | N/A    | 21.67  | N/A     |
| 10                                                      | 50      | 0         |        | N/A    | 21.61  | N/A     |
| 10                                                      | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 10                                                      | 1       | 24        |        | N/A    | N/A    | N/A     |
| 10                                                      | 1       | 49        |        | N/A    | N/A    | N/A     |
| 10                                                      | 25      | 0         |        | N/A    | N/A    | N/A     |
| 10                                                      | 25      | 12        |        | N/A    | N/A    | N/A     |
| 10                                                      | 25      | 24        |        | N/A    | N/A    | N/A     |
| 10                                                      | 50      | 0         |        | N/A    | N/A    | N/A     |



| LTE Band 38 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                       | 1       | 0         | QPSK   | 22.67  | 22.48  | 22.87   |
| 5                                       | 1       | 12        |        | 22.7   | 22.45  | 22.79   |
| 5                                       | 1       | 24        |        | 22.48  | 22.17  | 22.79   |
| 5                                       | 12      | 0         |        | 21.7   | 21.41  | 21.68   |
| 5                                       | 12      | 6         |        | 21.7   | 21.42  | 21.71   |
| 5                                       | 12      | 11        |        | 21.69  | 21.29  | 21.85   |
| 5                                       | 25      | 0         |        | 21.63  | 21.25  | 21.76   |
| 5                                       | 1       | 0         | 16-QAM | 21.74  | 21.93  | 22.22   |
| 5                                       | 1       | 12        |        | 21.81  | 21.89  | 22.24   |
| 5                                       | 1       | 24        |        | 21.64  | 21.58  | 22.23   |
| 5                                       | 12      | 0         |        | 20.85  | 20.5   | 20.85   |
| 5                                       | 12      | 6         |        | 20.85  | 20.51  | 20.88   |
| 5                                       | 12      | 11        |        | 20.75  | 20.37  | 21.01   |
| 5                                       | 25      | 0         |        | 20.61  | 20.33  | 20.83   |
| 10                                      | 1       | 0         | QPSK   | 22.43  | 22.44  | 22.79   |
| 10                                      | 1       | 24        |        | 22.58  | 22.5   | 22.9    |
| 10                                      | 1       | 49        |        | 22.34  | 22.23  | 22.75   |
| 10                                      | 25      | 0         |        | 21.57  | 21.46  | 21.6    |
| 10                                      | 25      | 12        |        | 21.54  | 21.43  | 21.61   |
| 10                                      | 25      | 24        |        | 21.6   | 21.36  | 21.71   |
| 10                                      | 50      | 0         |        | 21.48  | 21.23  | 21.67   |
| 10                                      | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 10                                      | 1       | 24        |        | N/A    | N/A    | N/A     |
| 10                                      | 1       | 49        |        | N/A    | N/A    | N/A     |
| 10                                      | 25      | 0         |        | N/A    | N/A    | N/A     |
| 10                                      | 25      | 12        |        | N/A    | N/A    | N/A     |
| 10                                      | 25      | 24        |        | N/A    | N/A    | N/A     |
| 10                                      | 50      | 0         |        | N/A    | N/A    | N/A     |



| LTE Band 38 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 15                                      | 1       | 0         | QPSK   | 22.6   | 22.62  | 22.84   |
| 15                                      | 1       | 37        |        | 22.57  | 22.38  | 22.79   |
| 15                                      | 1       | 74        |        | 22.55  | 22.45  | 22.87   |
| 15                                      | 36      | 0         |        | 21.63  | 21.54  | 21.72   |
| 15                                      | 36      | 18        |        | 21.54  | 21.45  | 21.69   |
| 15                                      | 36      | 39        |        | 21.56  | 21.68  | 21.99   |
| 15                                      | 75      | 0         |        | 21.59  | 21.48  | 21.85   |
| 15                                      | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 15                                      | 1       | 38        |        | N/A    | N/A    | N/A     |
| 15                                      | 1       | 75        |        | N/A    | N/A    | N/A     |
| 15                                      | 36      | 0         |        | N/A    | N/A    | N/A     |
| 15                                      | 36      | 18        |        | N/A    | N/A    | N/A     |
| 15                                      | 36      | 39        |        | N/A    | N/A    | N/A     |
| 15                                      | 75      | 0         |        | N/A    | N/A    | N/A     |
| 20                                      | 1       | 0         | QPSK   | 22.6   | 22.68  | 22.85   |
| 20                                      | 1       | 49        |        | 22.55  | 22.5   | 22.73   |
| 20                                      | 1       | 99        |        | 22.42  | 22.24  | 22.72   |
| 20                                      | 50      | 0         |        | 21.6   | 21.56  | 21.69   |
| 20                                      | 50      | 24        |        | 21.51  | 21.47  | 21.63   |
| 20                                      | 50      | 49        |        | 21.71  | 21.73  | 21.86   |
| 20                                      | 100     | 0         |        | 21.41  | 21.28  | 21.64   |
| 20                                      | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 20                                      | 1       | 49        |        | N/A    | N/A    | N/A     |
| 20                                      | 1       | 99        |        | N/A    | N/A    | N/A     |
| 20                                      | 50      | 0         |        | N/A    | N/A    | N/A     |
| 20                                      | 50      | 24        |        | N/A    | N/A    | N/A     |
| 20                                      | 50      | 49        |        | N/A    | N/A    | N/A     |
| 20                                      | 100     | 0         |        | N/A    | N/A    | N/A     |



| LTE Band 40(2305-2315) Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                           | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                                  | 1       | 0         | QPSK   | 15.27  | 15.33  | 15.46   |
| 5                                                  | 1       | 12        |        | 15.18  | 15.14  | 15.21   |
| 5                                                  | 1       | 24        |        | 15.22  | 15.16  | 15.11   |
| 5                                                  | 12      | 0         |        | 14.33  | 14.47  | 14.5    |
| 5                                                  | 12      | 6         |        | 14.49  | 14.51  | 14.56   |
| 5                                                  | 12      | 11        |        | 14.14  | 14.17  | 14.17   |
| 5                                                  | 25      | 0         |        | 14.17  | 14.21  | 14.24   |
| 5                                                  | 1       | 0         | 16-QAM | 14.67  | 14.75  | 14.55   |
| 5                                                  | 1       | 12        |        | 14.58  | 14.56  | 14.32   |
| 5                                                  | 1       | 24        |        | 14.57  | 14.56  | 14.32   |
| 5                                                  | 12      | 0         |        | 13.35  | 13.62  | 13.66   |
| 5                                                  | 12      | 6         |        | 13.51  | 13.67  | 13.71   |
| 5                                                  | 12      | 11        |        | 13.17  | 13.31  | 13.35   |
| 5                                                  | 25      | 0         |        | 13.21  | 13.25  | 13.35   |
| 10                                                 | 1       | 0         | QPSK   | N/A    | N/A    | 15.2    |
| 10                                                 | 1       | 24        |        | N/A    | N/A    | 15.15   |
| 10                                                 | 1       | 49        |        | N/A    | N/A    | 15.13   |
| 10                                                 | 25      | 0         |        | N/A    | N/A    | 14.38   |
| 10                                                 | 25      | 12        |        | N/A    | N/A    | 14.42   |
| 10                                                 | 25      | 24        |        | N/A    | N/A    | 14.17   |
| 10                                                 | 50      | 0         |        | N/A    | N/A    | 14.1    |
| 10                                                 | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 10                                                 | 1       | 24        |        | N/A    | N/A    | N/A     |
| 10                                                 | 1       | 49        |        | N/A    | N/A    | N/A     |
| 10                                                 | 25      | 0         |        | N/A    | N/A    | N/A     |
| 10                                                 | 25      | 12        |        | N/A    | N/A    | N/A     |
| 10                                                 | 25      | 24        |        | N/A    | N/A    | N/A     |
| 10                                                 | 50      | 0         |        | N/A    | N/A    | N/A     |



| LTE Band 41 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                       | 1       | 0         | QPSK   | 23.39  | 23.39  | 23.05   |
| 5                                       | 1       | 12        |        | 23.3   | 23.3   | 23.04   |
| 5                                       | 1       | 24        |        | 23.18  | 23.18  | 23.02   |
| 5                                       | 12      | 0         |        | 22.26  | 22.26  | 22.04   |
| 5                                       | 12      | 6         |        | 22.25  | 22.25  | 22.05   |
| 5                                       | 12      | 11        |        | 22.34  | 22.34  | 22.18   |
| 5                                       | 25      | 0         |        | 22.27  | 22.27  | 22.1    |
| 5                                       | 1       | 0         | 16-QAM | 22.36  | 22.36  | 22.43   |
| 5                                       | 1       | 12        |        | 22.31  | 22.31  | 22.43   |
| 5                                       | 1       | 24        |        | 22.22  | 22.22  | 22.41   |
| 5                                       | 12      | 0         |        | 21.3   | 21.3   | 21.16   |
| 5                                       | 12      | 6         |        | 21.43  | 21.43  | 21.18   |
| 5                                       | 12      | 11        |        | 21.51  | 21.51  | 21.31   |
| 5                                       | 25      | 0         |        | 21.41  | 21.41  | 21.13   |
| 10                                      | 1       | 0         | QPSK   | 23.27  | 22.64  | 23.26   |
| 10                                      | 1       | 24        |        | 23.29  | 22.7   | 23.23   |
| 10                                      | 1       | 49        |        | 22.98  | 22.58  | 23.03   |
| 10                                      | 25      | 0         |        | 22.26  | 21.75  | 22.17   |
| 10                                      | 25      | 12        |        | 22.21  | 21.72  | 22.16   |
| 10                                      | 25      | 24        |        | 22.23  | 21.66  | 22.24   |
| 10                                      | 50      | 0         |        | 22.12  | 21.52  | 22.08   |
| 10                                      | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 10                                      | 1       | 24        |        | N/A    | N/A    | N/A     |
| 10                                      | 1       | 49        |        | N/A    | N/A    | N/A     |
| 10                                      | 25      | 0         |        | N/A    | N/A    | N/A     |
| 10                                      | 25      | 12        |        | N/A    | N/A    | N/A     |
| 10                                      | 25      | 24        |        | N/A    | N/A    | N/A     |
| 10                                      | 50      | 0         |        | N/A    | N/A    | N/A     |

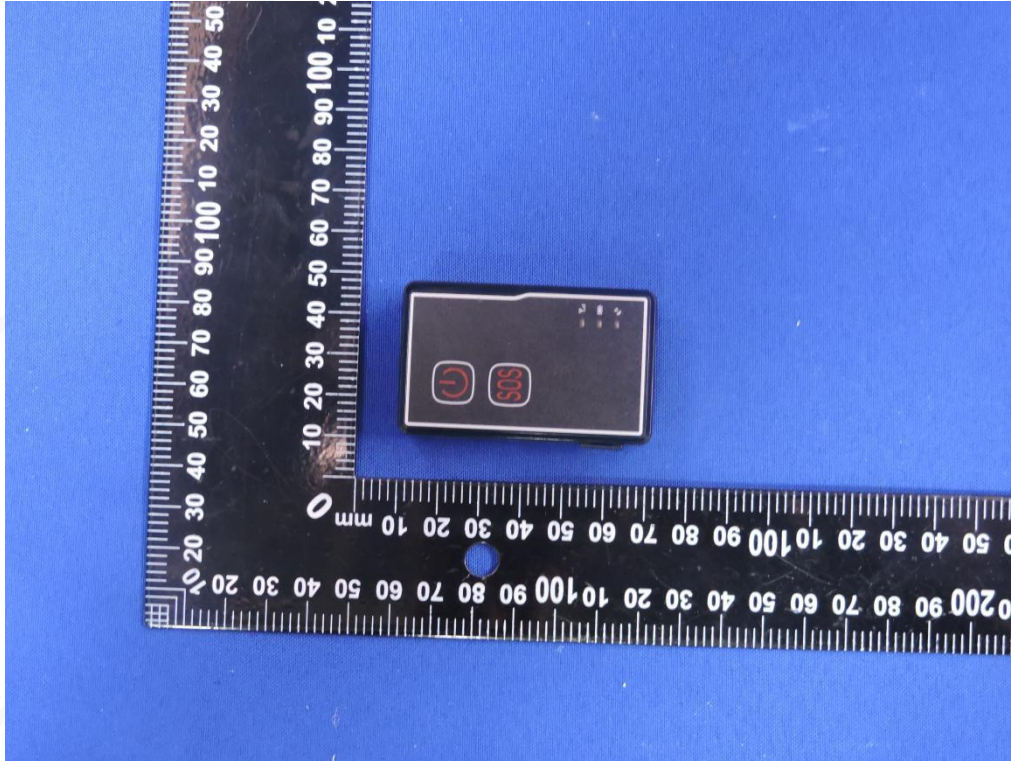


| LTE Band 41 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 15                                      | 1       | 0         | QPSK   | 23.11  | 22.66  | 23.12   |
| 15                                      | 1       | 37        |        | 23.05  | 22.4   | 23.17   |
| 15                                      | 1       | 74        |        | 22.91  | 22.64  | 23.2    |
| 15                                      | 36      | 0         |        | 22.13  | 21.55  | 22.13   |
| 15                                      | 36      | 18        |        | 22     | 21.47  | 21.95   |
| 15                                      | 36      | 39        |        | 22.08  | 21.97  | 22.36   |
| 15                                      | 75      | 0         |        | 22.14  | 21.62  | 22.23   |
| 15                                      | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 15                                      | 1       | 38        |        | N/A    | N/A    | N/A     |
| 15                                      | 1       | 75        |        | N/A    | N/A    | N/A     |
| 15                                      | 36      | 0         |        | N/A    | N/A    | N/A     |
| 15                                      | 36      | 18        |        | N/A    | N/A    | N/A     |
| 15                                      | 36      | 39        |        | N/A    | N/A    | N/A     |
| 15                                      | 75      | 0         |        | N/A    | N/A    | N/A     |
| 20                                      | 1       | 0         | QPSK   | 23.14  | 22.6   | 23.24   |
| 20                                      | 1       | 49        |        | 23.02  | 22.56  | 23.3    |
| 20                                      | 1       | 99        |        | 22.76  | 22.45  | 23.2    |
| 20                                      | 50      | 0         |        | 22.09  | 22.26  | 22.27   |
| 20                                      | 50      | 24        |        | 21.95  | 22.58  | 22.18   |
| 20                                      | 50      | 49        |        | 22.06  | 22.42  | 22.37   |
| 20                                      | 100     | 0         |        | 21.82  | 22.37  | 22.26   |
| 20                                      | 1       | 0         | 16-QAM | N/A    | N/A    | N/A     |
| 20                                      | 1       | 49        |        | N/A    | N/A    | N/A     |
| 20                                      | 1       | 99        |        | N/A    | N/A    | N/A     |
| 20                                      | 50      | 0         |        | N/A    | N/A    | N/A     |
| 20                                      | 50      | 24        |        | N/A    | N/A    | N/A     |
| 20                                      | 50      | 49        |        | N/A    | N/A    | N/A     |
| 20                                      | 100     | 0         |        | N/A    | N/A    | N/A     |

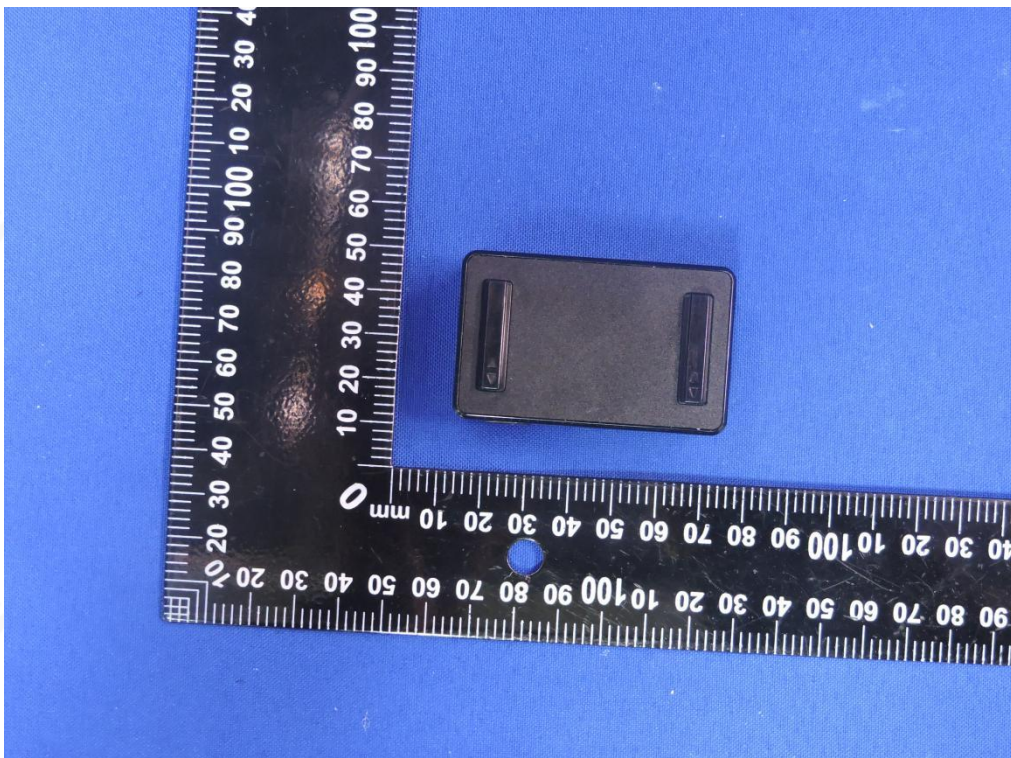
## 11. EUT and Test Setup Photo

### 11.1 EUT Photo

Front side

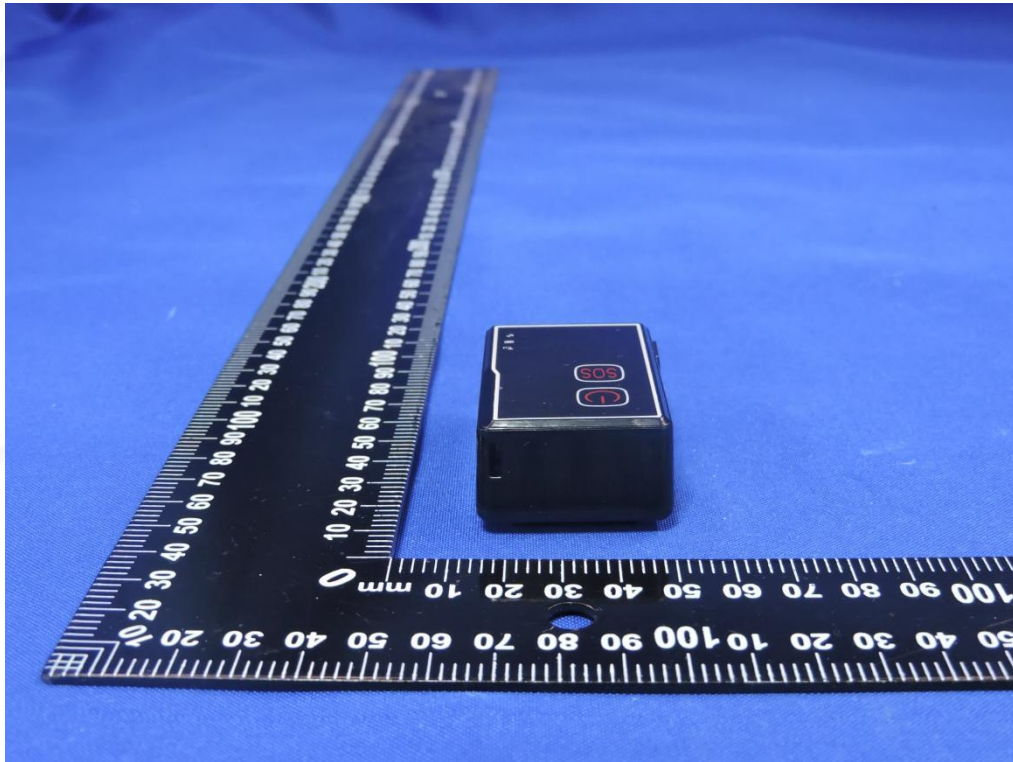


Back side

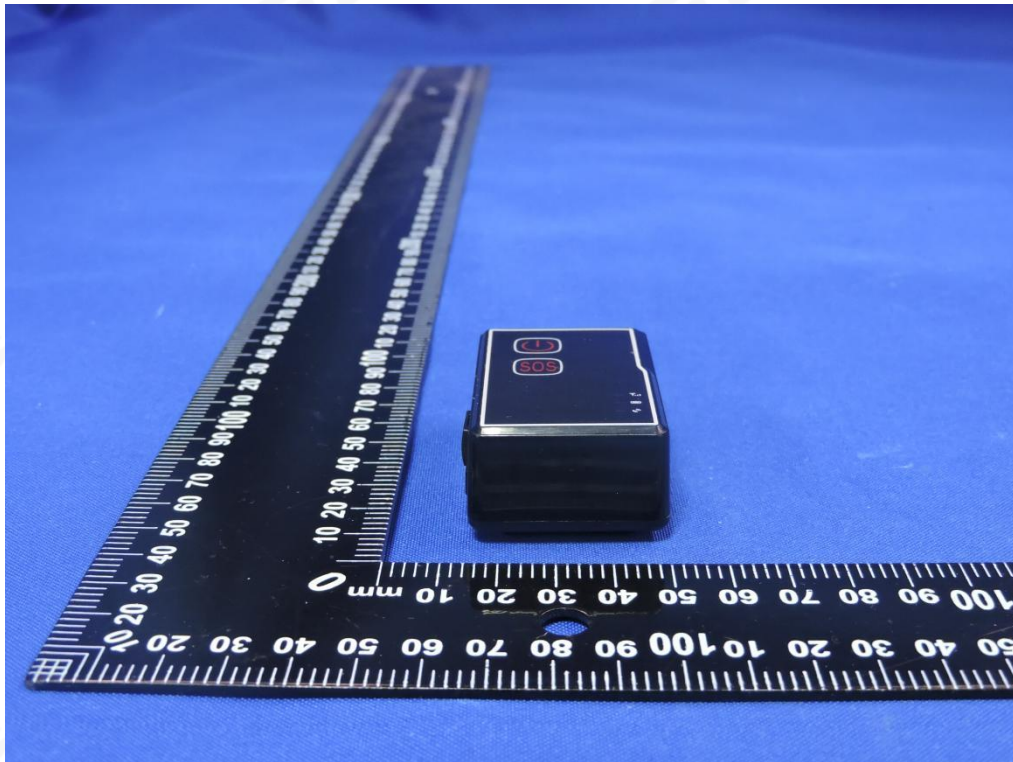




Top side

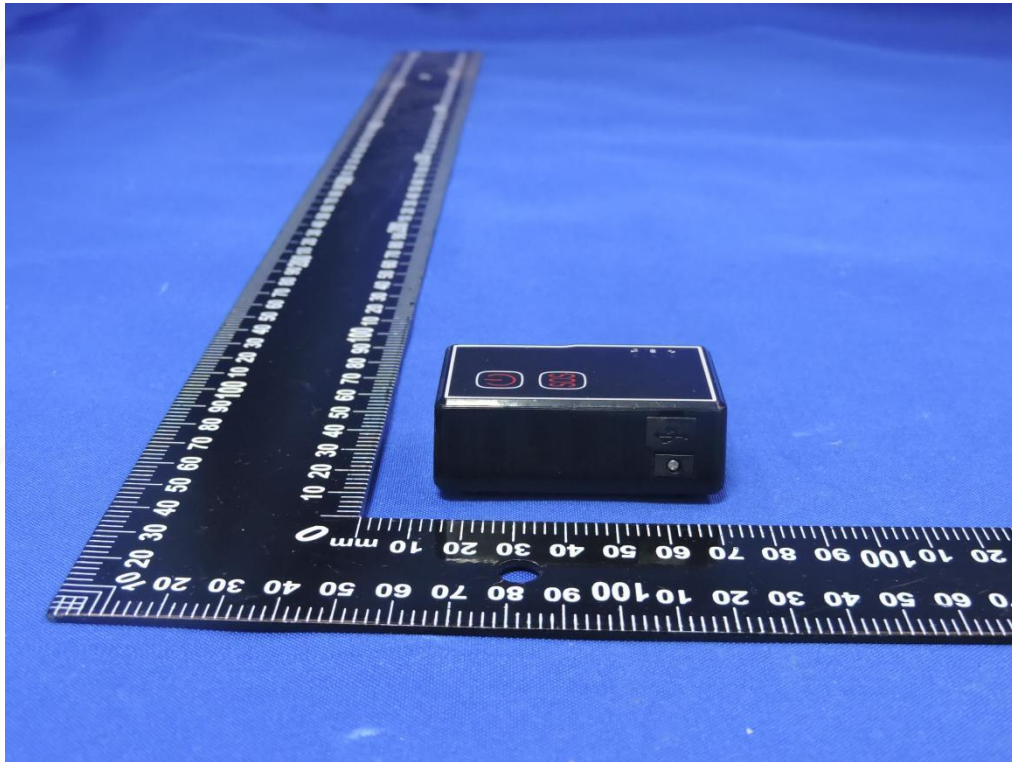


Bottom side

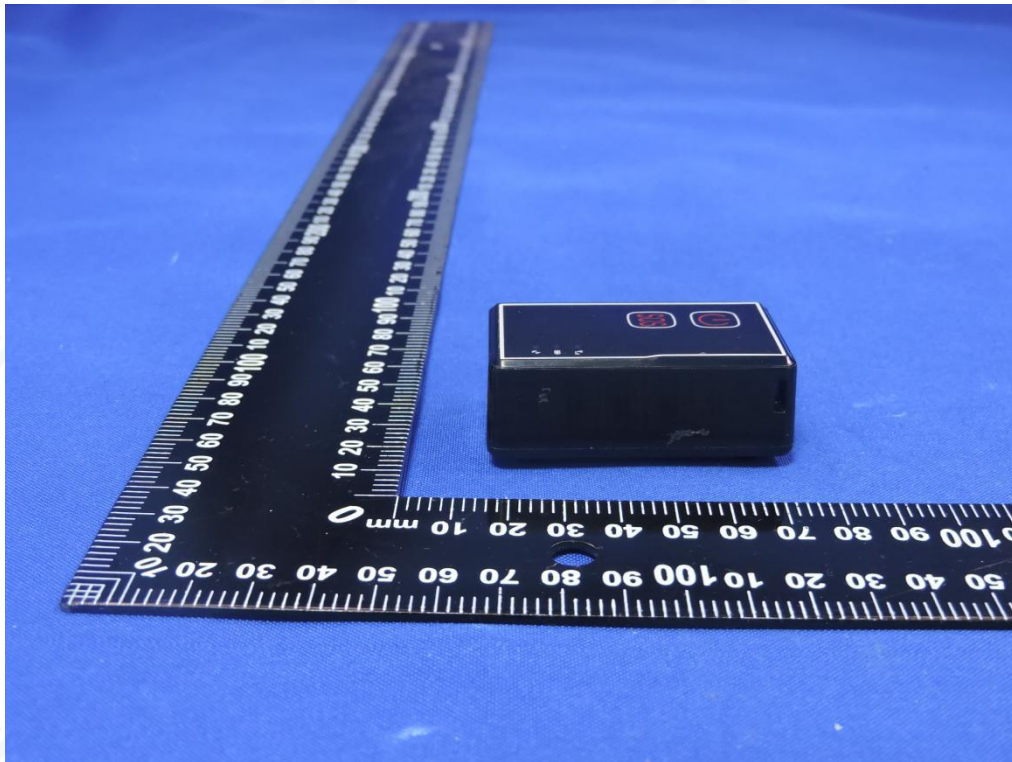




Left side



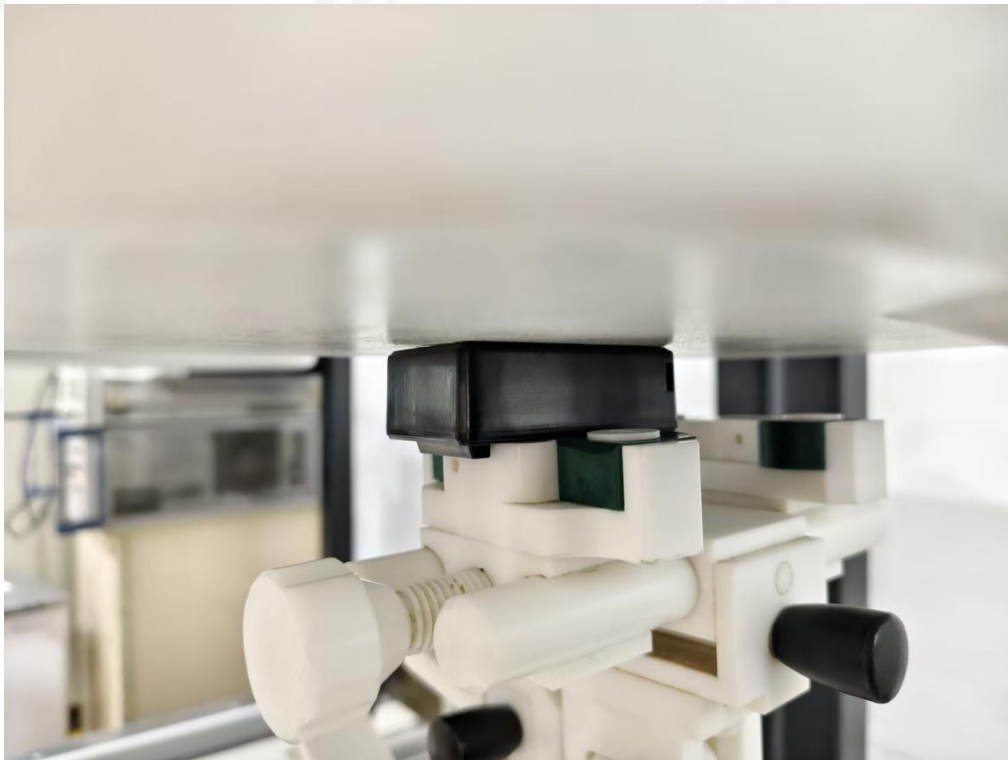
Right side



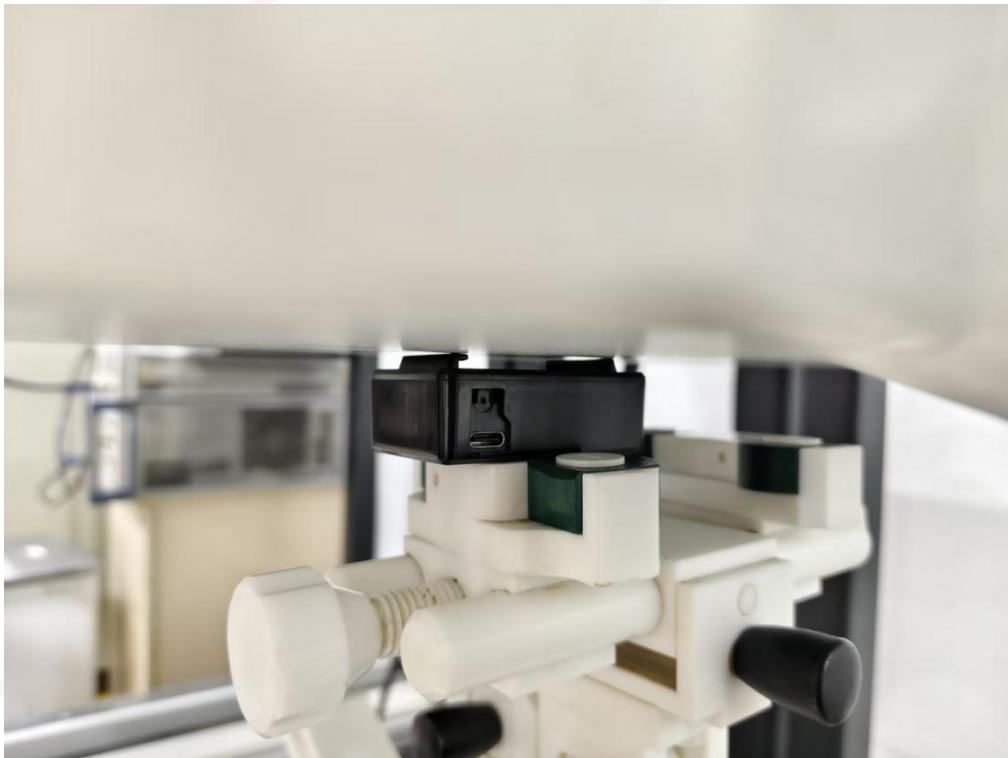


## 11.2 Setup Photo

Front side(separation distance is 0mm)



Back Side (separation distance is 0mm)



Left side(separation distance is 0mm)



Right Side (separation distance is 0mm)



Top side(separation distance is 0mm)

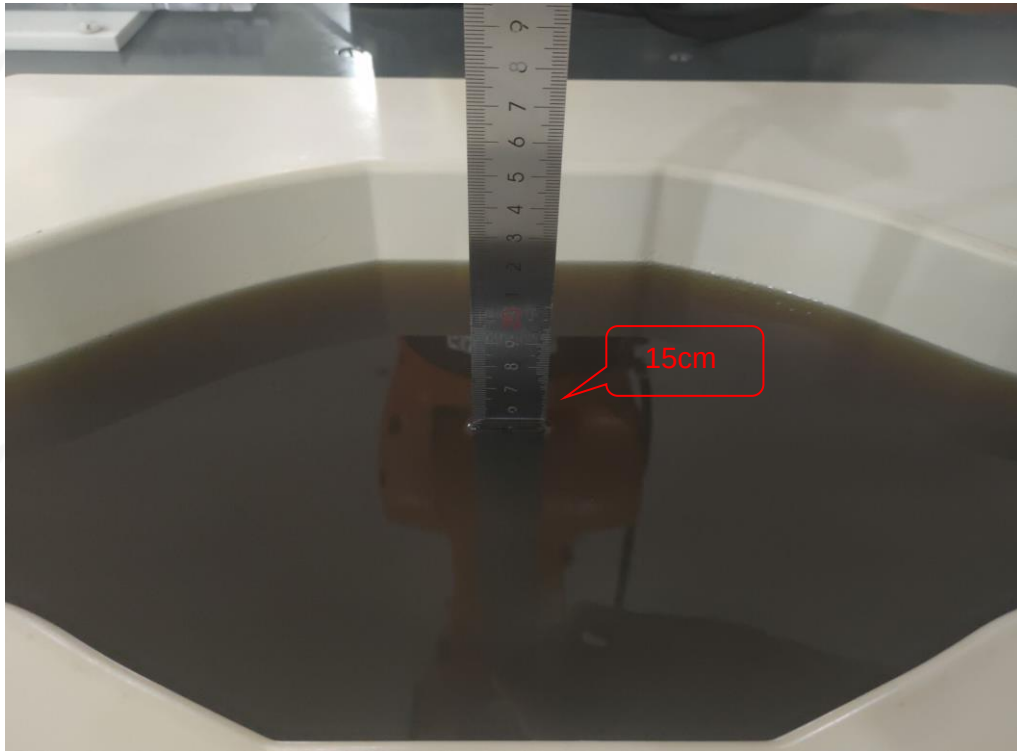


Bottom Side (separation distance is 0mm)





Liquid depth (15 cm)





## 12. SAR Result Summary

### 12.1 Body 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. |
|------------|----------|------|---------|-----------|---------------|--------|------------------|-----------------|--------------------------|--------------------------|----------------|-------------------|-----------|
| LTE Band 2 | 20M      | QPSK | 1       | 99        | Front side    | 1860   | 0.836            | 0.60            | 22                       | 21.7                     | 1.072          | 0.896             | /         |
|            |          |      | 1       | 99        | Front side    | 1880   | 0.919            | -1.08           | 23                       | 22.55                    | 1.109          | 1.019             | 1         |
|            |          |      | 1       | 99        | Front side    | 1900   | 0.851            | -1.16           | 23                       | 22.51                    | 1.119          | 0.953             | /         |
|            |          |      | 50      | 49        | Front side    | 1880   | 0.768            | 1.60            | 22                       | 21.98                    | 1.005          | 0.772             | /         |
|            |          |      | 1       | 99        | Back Side     | 1880   | 0.717            | 0.88            | 23                       | 22.55                    | 1.109          | 0.795             | /         |
|            |          |      | 50      | 49        | Back Side     | 1880   | 0.658            | -1.13           | 22                       | 21.98                    | 1.005          | 0.661             | /         |
|            |          |      | 1       | 99        | Left Side     | 1880   | 0.720            | 1.60            | 23                       | 22.55                    | 1.109          | 0.799             | /         |
|            |          |      | 50      | 49        | Left Side     | 1880   | 0.715            | -2.14           | 22                       | 21.98                    | 1.005          | 0.718             | /         |
|            |          |      | 1       | 99        | Right Side    | 1880   | 0.671            | -0.17           | 23                       | 22.55                    | 1.109          | 0.744             | /         |
|            |          |      | 50      | 49        | Right Side    | 1880   | 0.655            | -3.76           | 22                       | 21.98                    | 1.005          | 0.658             | /         |
|            |          |      | 1       | 99        | Top Side      | 1880   | 0.649            | 1.81            | 23                       | 22.55                    | 1.109          | 0.720             | /         |
|            |          |      | 50      | 49        | Top Side      | 1880   | 0.627            | -0.12           | 22                       | 21.98                    | 1.005          | 0.630             | /         |
| LTE Band 4 | 20M      | QPSK | 1       | 49        | Front side    | 1732.5 | 0.366            | -0.66           | 22.5                     | 22.47                    | 1.007          | 0.369             | 2         |
|            |          |      | 50      | 0         | Front side    | 1732.5 | 0.348            | -2.08           | 22                       | 21.91                    | 1.021          | 0.355             | /         |
|            |          |      | 1       | 49        | Back Side     | 1732.5 | 0.320            | -1.98           | 22.5                     | 22.47                    | 1.007          | 0.322             | /         |
|            |          |      | 50      | 0         | Back Side     | 1732.5 | 0.305            | 2.79            | 22                       | 21.91                    | 1.021          | 0.311             | /         |
|            |          |      | 1       | 49        | Left Side     | 1732.5 | 0.311            | 0.13            | 22.5                     | 22.47                    | 1.007          | 0.313             | /         |
|            |          |      | 50      | 0         | Left Side     | 1732.5 | 0.296            | 1.23            | 22                       | 21.91                    | 1.021          | 0.302             | /         |
|            |          |      | 1       | 49        | Right Side    | 1732.5 | 0.299            | 3.86            | 22.5                     | 22.47                    | 1.007          | 0.301             | /         |
|            |          |      | 50      | 0         | Right Side    | 1732.5 | 0.273            | -1.79           | 22                       | 21.91                    | 1.021          | 0.279             | /         |
|            |          |      | 1       | 49        | Top Side      | 1732.5 | 0.285            | -3.35           | 22.5                     | 22.47                    | 1.007          | 0.287             | /         |
|            |          |      | 50      | 0         | Top Side      | 1732.5 | 0.261            | -2.56           | 22                       | 21.91                    | 1.021          | 0.266             | /         |
| LTE Band 5 | 10M      | QPSK | 1       | 49        | Front side    | 829    | 1.037            | -2.61           | 22                       | 21.97                    | 1.007          | 1.044             | 3         |
|            |          |      | 1       | 49        | Front side    | 836.5  | 0.832            | -1.61           | 21.5                     | 21.3                     | 1.047          | 0.871             | /         |
|            |          |      | 1       | 49        | Front side    | 844    | 0.851            | -3.69           | 22                       | 21.52                    | 1.117          | 0.950             | /         |
|            |          |      | 50      | 0         | Front side    | 829    | 0.765            | 3.68            | 20.5                     | 20.49                    | 1.002          | 0.767             | /         |
|            |          |      | 50      | 0         | Front side    | 836.5  | 0.820            | -3.86           | 21.5                     | 21.31                    | 1.045          | 0.857             | /         |
|            |          |      | 50      | 0         | Front side    | 844    | 0.773            | 3.73            | 20.5                     | 20.44                    | 1.014          | 0.784             | /         |
|            |          |      | 1       | 49        | Back Side     | 829    | 0.745            | -1.82           | 22                       | 21.97                    | 1.007          | 0.750             | /         |



|             |     |      |    |    |            |       |       |       |      |       |       |       |   |
|-------------|-----|------|----|----|------------|-------|-------|-------|------|-------|-------|-------|---|
|             |     |      | 50 | 0  | Back Side  | 836.5 | 0.718 | -0.06 | 21.5 | 21.31 | 1.045 | 0.750 | / |
|             |     |      | 1  | 49 | Left Side  | 829   | 0.721 | -0.64 | 22   | 21.97 | 1.007 | 0.726 | / |
|             |     |      | 50 | 0  | Left Side  | 836.5 | 0.706 | -1.65 | 21.5 | 21.31 | 1.045 | 0.738 | / |
|             |     |      | 1  | 49 | Right Side | 829   | 0.668 | 1.10  | 22   | 21.97 | 1.007 | 0.673 | / |
|             |     |      | 50 | 0  | Right Side | 836.5 | 0.631 | 1.50  | 21.5 | 21.31 | 1.045 | 0.659 | / |
|             |     |      | 1  | 49 | Top Side   | 829   | 0.696 | -3.10 | 22   | 21.97 | 1.007 | 0.701 | / |
|             |     |      | 50 | 0  | Top Side   | 836.5 | 0.629 | 0.22  | 21.5 | 21.31 | 1.045 | 0.657 | / |
| LTE Band 7  | 20M | QPSK | 1  | 0  | Front side | 2510  | 0.849 | 0.34  | 22   | 21.95 | 1.012 | 0.859 | / |
|             |     |      | 1  | 0  | Front side | 2535  | 0.861 | 1.59  | 22.5 | 22.15 | 1.084 | 0.933 | / |
|             |     |      | 1  | 0  | Front side | 2560  | 0.953 | 1.39  | 23   | 22.54 | 1.112 | 1.059 | 4 |
|             |     |      | 50 | 49 | Front side | 2510  | 0.708 | -1.02 | 22   | 21.52 | 1.117 | 0.791 | / |
|             |     |      | 50 | 49 | Front side | 2535  | 0.720 | -3.87 | 22   | 21.63 | 1.089 | 0.784 | / |
|             |     |      | 50 | 49 | Front side | 2560  | 0.713 | -1.28 | 22   | 21.61 | 1.094 | 0.780 | / |
|             |     |      | 1  | 0  | Back Side  | 2560  | 0.659 | 0.23  | 23   | 22.54 | 1.112 | 0.733 | / |
|             |     |      | 50 | 49 | Back Side  | 2535  | 0.630 | 2.57  | 22   | 21.63 | 1.089 | 0.686 | / |
|             |     |      | 1  | 0  | Left Side  | 2560  | 0.697 | 3.94  | 23   | 22.54 | 1.112 | 0.775 | / |
|             |     |      | 50 | 49 | Left Side  | 2535  | 0.621 | -1.14 | 22   | 21.63 | 1.089 | 0.676 | / |
|             |     |      | 1  | 0  | Right Side | 2560  | 0.660 | -2.00 | 23   | 22.54 | 1.112 | 0.734 | / |
|             |     |      | 50 | 49 | Right Side | 2535  | 0.645 | -0.27 | 22   | 21.63 | 1.089 | 0.702 | / |
|             |     |      | 1  | 0  | Top Side   | 2560  | 0.639 | 0.17  | 23   | 22.54 | 1.112 | 0.710 | / |
|             |     |      | 50 | 49 | Top Side   | 2535  | 0.607 | -1.18 | 22   | 21.63 | 1.089 | 0.661 | / |
| LTE Band 12 | 10M | QPSK | 1  | 0  | Front side | 704   | 0.120 | 1.76  | 23   | 22.66 | 1.081 | 0.130 | 5 |
|             |     |      | 25 | 0  | Front side | 704   | 0.109 | -1.90 | 22   | 21.84 | 1.038 | 0.113 | / |
|             |     |      | 1  | 0  | Back Side  | 704   | 0.101 | 1.69  | 23   | 22.66 | 1.081 | 0.109 | / |
|             |     |      | 25 | 0  | Back Side  | 704   | 0.087 | -0.56 | 22   | 21.84 | 1.038 | 0.090 | / |
|             |     |      | 1  | 0  | Left Side  | 704   | 0.110 | 2.90  | 23   | 22.66 | 1.081 | 0.119 | / |
|             |     |      | 25 | 0  | Left Side  | 704   | 0.095 | 3.18  | 22   | 21.84 | 1.038 | 0.099 | / |
|             |     |      | 1  | 0  | Right Side | 704   | 0.093 | -3.64 | 23   | 22.66 | 1.081 | 0.101 | / |
|             |     |      | 25 | 0  | Right Side | 704   | 0.076 | -3.23 | 22   | 21.84 | 1.038 | 0.079 | / |
|             |     |      | 1  | 0  | Top Side   | 704   | 0.088 | 3.96  | 23   | 22.66 | 1.081 | 0.095 | / |
|             |     |      | 25 | 0  | Top Side   | 704   | 0.069 | 0.77  | 22   | 21.84 | 1.038 | 0.072 | / |
| LTE Band 17 | 10M | QPSK | 1  | 24 | Front side | 711   | 0.081 | -1.12 | 22.5 | 22    | 1.122 | 0.091 | 6 |
|             |     |      | 25 | 12 | Front side | 711   | 0.063 | -0.58 | 21.5 | 21.32 | 1.042 | 0.066 | / |



|             |     |      |    |    |            |        |       |       |      |       |       |       |   |
|-------------|-----|------|----|----|------------|--------|-------|-------|------|-------|-------|-------|---|
|             |     |      | 1  | 24 | Back Side  | 711    | 0.077 | -0.79 | 22.5 | 22    | 1.122 | 0.086 | / |
|             |     |      | 25 | 0  | Back Side  | 711    | 0.059 | 1.00  | 21.5 | 21.32 | 1.042 | 0.061 | / |
|             |     |      | 1  | 0  | Left Side  | 711    | 0.071 | 3.30  | 22.5 | 22    | 1.122 | 0.080 | / |
|             |     |      | 25 | 0  | Left Side  | 711    | 0.061 | -2.09 | 21.5 | 21.32 | 1.042 | 0.064 | / |
|             |     |      | 1  | 0  | Right Side | 711    | 0.065 | -0.45 | 22.5 | 22    | 1.122 | 0.073 | / |
|             |     |      | 25 | 0  | Right Side | 711    | 0.048 | -0.05 | 21.5 | 21.32 | 1.042 | 0.050 | / |
|             |     |      | 1  | 0  | Top Side   | 711    | 0.068 | 3.22  | 22.5 | 22    | 1.122 | 0.076 | / |
|             |     |      | 25 | 0  | Top Side   | 711    | 0.055 | 3.85  | 21.5 | 21.32 | 1.042 | 0.057 | / |
| LTE Band 25 | 20M | QPSK | 1  | 49 | Front side | 1860   | 0.837 | 2.74  | 22   | 21.95 | 1.012 | 0.847 | / |
|             |     |      | 1  | 49 | Front side | 1882.5 | 0.909 | 2.61  | 23   | 22.62 | 1.091 | 0.992 | 7 |
|             |     |      | 1  | 49 | Front side | 1905   | 0.828 | -2.47 | 22.5 | 22.31 | 1.045 | 0.865 | / |
|             |     |      | 50 | 49 | Front side | 1860   | 0.727 | 3.16  | 21.5 | 21.15 | 1.084 | 0.788 | / |
|             |     |      | 50 | 49 | Front side | 1882.5 | 0.769 | 2.01  | 22.5 | 22.08 | 1.102 | 0.847 | / |
|             |     |      | 50 | 49 | Front side | 1905   | 0.745 | 0.14  | 22   | 21.73 | 1.064 | 0.793 | / |
|             |     |      | 1  | 49 | Back Side  | 1882.5 | 0.714 | 1.89  | 23   | 22.62 | 1.091 | 0.779 | / |
|             |     |      | 50 | 49 | Back Side  | 1882.5 | 0.708 | 0.06  | 22.5 | 22.08 | 1.102 | 0.780 | / |
|             |     |      | 1  | 49 | Left Side  | 1882.5 | 0.685 | 2.92  | 23   | 22.62 | 1.091 | 0.748 | / |
|             |     |      | 50 | 49 | Left Side  | 1882.5 | 0.631 | 3.30  | 22.5 | 22.08 | 1.102 | 0.695 | / |
|             |     |      | 1  | 49 | Right Side | 1882.5 | 0.666 | 2.54  | 23   | 22.62 | 1.091 | 0.727 | / |
|             |     |      | 50 | 49 | Right Side | 1882.5 | 0.647 | -1.74 | 22.5 | 22.08 | 1.102 | 0.713 | / |
|             |     |      | 1  | 49 | Top Side   | 1882.5 | 0.659 | -3.10 | 23   | 22.62 | 1.091 | 0.719 | / |
|             |     |      | 50 | 49 | Top Side   | 1882.5 | 0.620 | -3.01 | 22.5 | 22.08 | 1.102 | 0.683 | / |
| LTE Band 26 | 15M | QPSK | 1  | 37 | Front side | 821.5  | 0.842 | 2.91  | 22.5 | 22.23 | 1.064 | 0.896 | 8 |
|             |     |      | 1  | 37 | Front side | 821.5  | 0.805 | -3.35 | 22   | 21.92 | 1.019 | 0.820 | / |
|             |     |      | 1  | 37 | Front side | 821.5  | 0.774 | -0.39 | 22   | 21.75 | 1.059 | 0.820 | / |
|             |     |      | 36 | 0  | Front side | 831.5  | 0.751 | 1.26  | 21.5 | 21.73 | 0.948 | 0.712 | / |
|             |     |      | 1  | 37 | Back Side  | 821.5  | 0.749 | 1.69  | 22.5 | 22.23 | 1.064 | 0.797 | / |
|             |     |      | 36 | 0  | Back Side  | 831.5  | 0.737 | 3.06  | 21.5 | 21.73 | 0.948 | 0.699 | / |
|             |     |      | 1  | 37 | Left Side  | 821.5  | 0.718 | 0.42  | 22.5 | 22.23 | 1.064 | 0.764 | / |
|             |     |      | 36 | 0  | Left Side  | 831.5  | 0.705 | 2.22  | 21.5 | 21.73 | 0.948 | 0.669 | / |
|             |     |      | 1  | 37 | Right Side | 821.5  | 0.686 | -1.78 | 22.5 | 22.23 | 1.064 | 0.730 | / |
|             |     |      | 36 | 0  | Right Side | 831.5  | 0.657 | 3.46  | 21.5 | 21.73 | 0.948 | 0.623 | / |
|             |     |      | 1  | 37 | Top Side   | 821.5  | 0.690 | 1.76  | 22.5 | 22.23 | 1.064 | 0.734 | / |



|             |     |      |    |    |            |       |       |       |      |       |       |       |    |
|-------------|-----|------|----|----|------------|-------|-------|-------|------|-------|-------|-------|----|
|             |     |      | 36 | 0  | Top Side   | 831.5 | 0.642 | -2.75 | 22   | 21.73 | 1.064 | 0.683 | /  |
| LTE Band 38 | 20M | QPSK | 1  | 0  | Front side | 2610  | 0.392 | -1.45 | 23   | 22.85 | 1.035 | 0.406 | 9  |
|             |     |      | 50 | 49 | Front side | 2610  | 0.384 | 1.67  | 22   | 21.86 | 1.033 | 0.397 | /  |
|             |     |      | 1  | 0  | Back Side  | 2610  | 0.369 | -3.10 | 23   | 22.85 | 1.035 | 0.382 | /  |
|             |     |      | 50 | 0  | Back Side  | 2610  | 0.350 | -3.42 | 22   | 21.86 | 1.033 | 0.361 | /  |
|             |     |      | 1  | 0  | Left Side  | 2610  | 0.337 | -0.14 | 23   | 22.85 | 1.035 | 0.349 | /  |
|             |     |      | 50 | 0  | Left Side  | 2610  | 0.348 | 2.23  | 22   | 21.86 | 1.033 | 0.359 | /  |
|             |     |      | 1  | 0  | Right Side | 2610  | 0.321 | 1.96  | 23   | 22.85 | 1.035 | 0.332 | /  |
|             |     |      | 50 | 0  | Right Side | 2610  | 0.305 | 3.15  | 22   | 21.86 | 1.033 | 0.315 | /  |
|             |     |      | 1  | 0  | Top Side   | 2610  | 0.331 | -1.89 | 23   | 22.85 | 1.035 | 0.343 | /  |
|             |     |      | 50 | 0  | Top Side   | 2610  | 0.307 | -0.69 | 22   | 21.86 | 1.033 | 0.317 | /  |
| LTE Band 40 | 10M | QPSK | 1  | 0  | Front side | 2395  | 0.946 | 2.65  | 15.5 | 15.2  | 1.072 | 1.014 | 10 |
|             |     |      | 25 | 12 | Front side | 2395  | 0.851 | -1.66 | 14.5 | 14.42 | 1.019 | 0.867 | /  |
|             |     |      | 50 | 0  | Front side | 2395  | 0.763 | -0.56 | 14.5 | 14.10 | 1.096 | 0.837 | /  |
|             |     |      | 1  | 0  | Back Side  | 2395  | 0.802 | 0.39  | 15.5 | 15.2  | 1.072 | 0.859 | /  |
|             |     |      | 25 | 12 | Back Side  | 2395  | 0.756 | 3.51  | 14.5 | 14.42 | 1.019 | 0.770 | /  |
|             |     |      | 1  | 0  | Left Side  | 2395  | 0.763 | -1.98 | 15.5 | 15.2  | 1.072 | 0.818 | /  |
|             |     |      | 25 | 12 | Left Side  | 2395  | 0.747 | 1.17  | 14.5 | 14.42 | 1.019 | 0.761 | /  |
|             |     |      | 1  | 0  | Right Side | 2395  | 0.750 | -0.22 | 15.5 | 15.2  | 1.072 | 0.804 | /  |
|             |     |      | 25 | 12 | Right Side | 2395  | 0.739 | -1.27 | 14.5 | 14.42 | 1.019 | 0.753 | /  |
|             |     |      | 1  | 0  | Top Side   | 2395  | 0.736 | 2.24  | 15.5 | 15.2  | 1.072 | 0.789 | /  |
|             |     |      | 25 | 12 | Top Side   | 2395  | 0.702 | -3.25 | 15.5 | 14.42 | 1.282 | 0.900 | /  |
|             |     |      |    |    |            |       |       |       |      |       |       |       |    |
| LTE Band 41 | 20M | QPSK | 1  | 49 | Front side | 2680  | 0.383 | -1.33 | 23.5 | 23.3  | 1.047 | 0.401 | 11 |
|             |     |      | 50 | 24 | Front side | 2593  | 0.362 | -3.53 | 23   | 22.58 | 1.102 | 0.399 | /  |
|             |     |      | 1  | 49 | Back Side  | 2680  | 0.371 | -2.10 | 23.5 | 23.3  | 1.047 | 0.388 | /  |
|             |     |      | 50 | 24 | Back Side  | 2593  | 0.355 | 1.73  | 23   | 22.58 | 1.102 | 0.391 | /  |
|             |     |      | 1  | 49 | Left Side  | 2680  | 0.357 | -2.55 | 23.5 | 23.3  | 1.047 | 0.374 | /  |
|             |     |      | 50 | 24 | Left Side  | 2593  | 0.325 | -2.11 | 23   | 22.58 | 1.102 | 0.358 | /  |
|             |     |      | 1  | 49 | Right Side | 2680  | 0.361 | -0.22 | 23.5 | 23.3  | 1.047 | 0.378 | /  |
|             |     |      | 50 | 24 | Right Side | 2593  | 0.335 | 1.42  | 23   | 22.58 | 1.102 | 0.369 | /  |
|             |     |      | 1  | 49 | Top Side   | 2680  | 0.340 | 1.52  | 23.5 | 23.3  | 1.047 | 0.356 | /  |
|             |     |      | 50 | 24 | Top Side   | 2593  | 0.313 | -3.41 | 23   | 22.58 | 1.102 | 0.345 | /  |

Note:

1. The test separation of all above table is 5mm.
2. Per KDB 447498 D04, the reported SAR is the measured SAR value adjusted for maximum tune-up



tolerance.

a. 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.

b. Scaled SAR(W/kg)= Measured SAR(W/kg)\*Tune-up Scaling Factor

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

### 12.3 Repeated 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) | Scaled SAR(W/Kg) | Meas. No. |
|-------------|----------|------|---------|-----------|---------------|--------|------------------|-----------------|--------------------------|--------------------------|------------------|-----------|
| LTE Band 2  | 20M      | QPSK | 1       | 99        | Front side    | 1860   | 0.811            | -3.10           | 22                       | 21.70                    | 0.869            | -         |
|             |          |      | 1       | 99        | Front side    | 1880   | 0.893            | -3.15           | 23                       | 22.55                    | 0.990            | -         |
|             |          |      | 1       | 99        | Front side    | 1900   | 0.812            | -1.06           | 23                       | 22.51                    | 0.909            | -         |
| LTE Band 4  | 20M      | QPSK | 1       | 49        | Front side    | 829    | 0.991            | 1.72            | 22                       | 21.97                    | 0.998            | -         |
|             |          |      | 1       | 49        | Front side    | 836.5  | 0.821            | -3.63           | 21.5                     | 21.30                    | 0.859            | -         |
|             |          |      | 1       | 49        | Front side    | 844    | 0.845            | -2.42           | 22                       | 21.52                    | 0.944            | -         |
|             |          |      | 50      | 0         | Front side    | 836.5  | 0.794            | -1.38           | 21.5                     | 21.31                    | 0.829            | -         |
| LTE Band 7  | 10M      | QPSK | 1       | 0         | Front side    | 2510   | 0.832            | 3.28            | 22                       | 21.95                    | 0.842            | -         |
|             |          |      | 1       | 0         | Front side    | 2535   | 0.839            | 2.21            | 22.5                     | 22.15                    | 0.910            | -         |
|             |          |      | 1       | 0         | Front side    | 2560   | 0.909            | 0.68            | 23                       | 22.54                    | 1.010            | -         |
| LTE Band 25 | 20M      | QPSK | 1       | 49        | Front side    | 1860   | 0.833            | -1.91           | 22                       | 21.95                    | 0.843            | -         |
|             |          |      | 1       | 49        | Front side    | 1882.5 | 0.884            | -1.26           | 23                       | 22.62                    | 0.964            | -         |
|             |          |      | 1       | 49        | Front side    | 1905   | 0.825            | 2.96            | 22.5                     | 22.31                    | 0.862            | -         |
|             |          |      | 50      | 49        | Front side    | 1882.5 | 0.757            | 2.98            | 22.5                     | 22.08                    | 0.834            | -         |
| LTE Band 66 | 20M      | QPSK | 1       | 37        | Front side    | 821.5  | 0.821            | -2.89           | 22.5                     | 22.23                    | 0.874            | -         |
|             |          |      | 1       | 37        | Front side    | 821.5  | 0.800            | 3.75            | 22                       | 21.92                    | 0.815            | -         |
|             |          |      | 1       | 37        | Front side    | 821.5  | 0.742            | 0.99            | 22                       | 21.75                    | 0.786            | -         |
| LTE Band 40 | 10M      | QPSK | 1       | 0         | Front side    | 2395   | 0.937            | 1.47            | 22.5                     | 22.23                    | 0.997            | -         |
|             |          |      | 25      | 12        | Front side    | 2395   | 0.825            | 0.91            | 22                       | 21.92                    | 0.840            | -         |
|             |          |      | 50      | 0         | Front side    | 2395   | 0.757            | -2.99           | 22                       | 21.75                    | 0.802            | -         |
|             |          |      | 1       | 0         | Back Side     | 2395   | 0.768            | 3.58            | 22.5                     | 22.23                    | 0.817            | -         |





### 12.4 Repeated SAR measurement

| Band        | BW (MHz) | Mod. | RB Size | RB offset | Test Position | Freq.  | Original Measured SAR 1g(W/kg) 1g (W/Kg) | 1 st Repeated SAR 1g | Ratio | Original Measured | 2nd Repeated SAR 1g | Ratio |
|-------------|----------|------|---------|-----------|---------------|--------|------------------------------------------|----------------------|-------|-------------------|---------------------|-------|
| LTE Band 2  | 20M      | QPSK | 1       | 99        | Front side    | 1860   | 0.836                                    | 0.811                | 1.031 | -                 | -                   | -     |
|             |          |      | 1       | 99        | Front side    | 1880   | 0.919                                    | 0.893                | 1.029 | -                 | -                   | -     |
|             |          |      | 1       | 99        | Front side    | 1900   | 0.851                                    | 0.812                | 1.048 | -                 | -                   | -     |
| LTE Band 4  | 20M      | QPSK | 1       | 49        | Front side    | 829    | 1.037                                    | 0.991                | 1.046 |                   |                     |       |
|             |          |      | 1       | 49        | Front side    | 836.5  | 0.832                                    | 0.821                | 1.014 | -                 | -                   | -     |
|             |          |      | 1       | 49        | Front side    | 844    | 0.851                                    | 0.845                | 1.007 | -                 | -                   | -     |
|             |          |      | 50      | 0         | Front side    | 836.5  | 0.820                                    | 0.794                | 1.033 | -                 | -                   | -     |
| LTE Band 7  | 10M      | QPSK | 1       | 0         | Front side    | 2510   | 0.849                                    | 0.832                | 1.020 |                   |                     |       |
|             |          |      | 1       | 0         | Front side    | 2535   | 0.861                                    | 0.839                | 1.026 | -                 | -                   | -     |
|             |          |      | 1       | 0         | Front side    | 2560   | 0.953                                    | 0.909                | 1.049 | -                 | -                   | -     |
| LTE Band 25 | 20M      | QPSK | 1       | 49        | Front side    | 1860   | 0.837                                    | 0.833                | 1.004 |                   |                     |       |
|             |          |      | 1       | 49        | Front side    | 1882.5 | 0.909                                    | 0.884                | 1.029 | -                 | -                   | -     |
|             |          |      | 1       | 49        | Front side    | 1905   | 0.828                                    | 0.825                | 1.004 | -                 | -                   | -     |
|             |          |      | 50      | 49        | Front side    | 1882.5 | 0.769                                    | 0.757                | 1.016 | -                 | -                   | -     |
| LTE Band 26 | 15M      | QPSK | 1       | 37        | Front side    | 821.5  | 0.842                                    | 0.821                | 1.026 |                   |                     |       |
|             |          |      | 1       | 37        | Front side    | 821.5  | 0.805                                    | 0.800                | 1.006 | -                 | -                   | -     |
|             |          |      | 1       | 37        | Front side    | 821.5  | 0.774                                    | 0.742                | 1.043 | -                 | -                   | -     |
| LTE Band 40 | 10M      | QPSK | 1       | 0         | Front side    | 2395   | 0.946                                    | 0.937                | 1.010 |                   |                     |       |
|             |          |      | 25      | 12        | Front side    | 2395   | 0.851                                    | 0.825                | 1.032 | -                 | -                   | -     |
|             |          |      | 50      | 0         | Front side    | 2395   | 0.763                                    | 0.757                | 1.008 | -                 | -                   | -     |
|             |          |      | 1       | 0         | Back Side     | 2395   | 0.802                                    | 0.768                | 1.044 | -                 | -                   | -     |

Note:

1. Per KDB 865664 D01,for each frequency band ,repeated SAR measurement is required only when the measured SAR is  $\geq 0.8W/Kg$ .
2. Per KDB 865664 D01,if the ratio of largest to smallest SAR for the original and first repeated measurement is  $\leq 1.2$  and the measured SAR  $< 1.45W/Kg$ , only one repeated measurement is required.
3. Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is  $> 1.20$  or when the original or repeated measurement is  $\geq 1.45W/Kg$ .
4. The ratio is the difference in percentage between original and repeated measured SAR.



## 12.5 Simultaneous Multi-band Transmission Evaluation

Application Simultaneous Transmission information:

| Position | Simultaneous State |
|----------|--------------------|
| Body     | 1. LTE + Bluetooth |

NOTE:

1. For simultaneous transmission at limbs and body exposure position, 2 transmitters simultaneous transmission was the worst state.
2. If the test separation distance is <5mm, 5mm is used for excluded SAR calculation.

| Simultaneous Mode | Position | Mode      | Max. 1-g SAR | 1-g Sum SAR |
|-------------------|----------|-----------|--------------|-------------|
|                   |          |           | (W/kg)       | (W/kg)      |
| LTE + Bluetooth   | Body     | LTE       | 1.059        | 1.109       |
|                   |          | Bluetooth | 0.050        |             |

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 |
|---------------------------------|--------------|-------------------|-----------------------|------------------|------------------|
| SAR Test System                 | SATIMO       | N/A               | V5.3.15.11            | N/A              | N/A              |
| 750MHz Dipole                   | MVG          | SID750            | SN 30/14 DIP0G750-331 | 2023.07.04       | 2026.07.03       |
| 835MHz Dipole                   | MVG          | SID835            | SN 30/14 DIP0G835-332 | 2023.07.04       | 2026.07.03       |
| 1800MHz Dipole                  | MVG          | SID1800           | 5023-DIP1G800-747     | 2023.12.20       | 2026.12.19       |
| 1900MHz Dipole                  | MVG          | SID1900           | SN 30/14 DIP1G900-333 | 2023.09.14       | 2026.09.13       |
| 2600MHz Dipole                  | MVG          | SID2600           | SN 30/14 DIP2G600-336 | 2023.07.04       | 2026.07.03       |
| E-Field Probe                   | MVG          | SSE2              | SN 08/21 EPG0352      | 2025.09.15       | 2026.09.14       |
| Dielectric Probe Kit            | MVG          | SCLMP             | SN 32/14 OCPG67       | 2025.09.15       | 2026.09.14       |
| Antenna                         | MVG          | ANTA3             | SN 07/13 ZNTA52       | N/A              | N/A              |
| Phantom1                        | MVG          | SAM               | SN 32/14 SAM115       | N/A              | N/A              |
| Phantom3                        | MVG          | SAM               | SN 21/21 ELLI48       | N/A              | N/A              |
| Phone holder                    | MVG          | N/A               | SN 32/14 MSH97        | N/A              | N/A              |
| Laptop holder                   | MVG          | N/A               | SN 32/14 LSH29        | N/A              | N/A              |
| Attenuator                      | Agilent      | HXT-10-8-SMA      | 240327017             | 2025-02-22       | 2026-02-21       |
| Directional coupler             | Xi'an Xingbo | XBOH-OA08-20dB    | 211123-4-3            | 2025-02-22       | 2026-02-21       |
| Network Analyzer                | Agilent      | E5071C            | MY46520378            | 2025-09-26       | 2026-09-24       |
| Multi Meter                     | Keithley     | Multi Meter 2000  | 4050073               | 2025-09-22       | 2026-09-21       |
| Signal Generator                | Agilent      | N5182A            | MY50140530            | 2025-09-26       | 2026-09-25       |
| Wireless Communication Test Set | Agilent      | 8960-E5515C       | MY48360751            | 2025-02-22       | 2026-02-21       |
| Wireless Communication Test Set | R&S          | CMW500            | 156324                | 2025-09-25       | 2026-09-24       |
| Power Amplifier                 | DESAY        | WCS-DLNA50M8G50G1 | CSKJLNA231227A        | 2025-09-29       | 2026-09-28       |
| Power Meter                     | R&S          | NRP               | 100510                | 2025-09-25       | 2026-09-24       |
| Power Sensor                    | R&S          | NRP-Z11           | 101919                | 2025-09-25       | 2026-09-24       |
| Power Sensor                    | Keysight     | U2021XA           | MY56280002            | 2025-09-25       | 2026-09-24       |
| Temperature hygrometer          | TOPRIE       | TP502V4-P         | 6700000124198         | 2025.10.09       | 2026.10.08       |
| Thermograph                     | Elitech      | RC-4              | S/N EF7176501537      | 2025.10.17       | 2026.10.16       |



## Appendix A. System Validation Plots

### System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

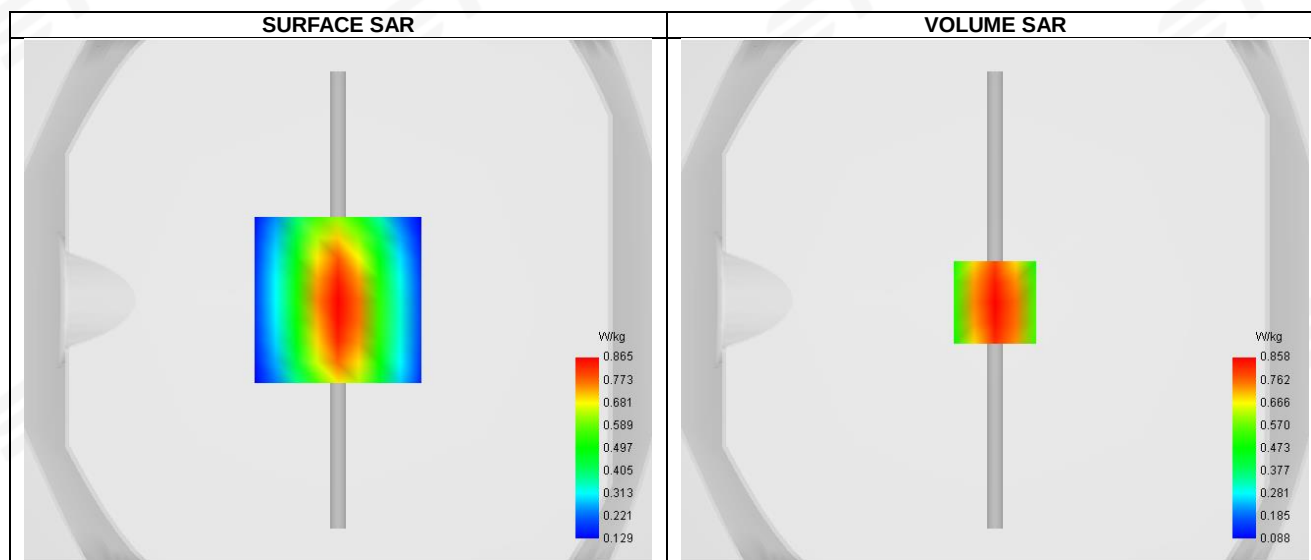
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-02-06

### Experimental conditions.

|                       |                  |
|-----------------------|------------------|
| Device Position       | Validation plane |
| Band                  | 750 MHz          |
| Channels              | -                |
| Signal                | CW               |
| Frequency (MHz)       | 750              |
| Relative permittivity | 42.25            |
| Conductivity (S/m)    | 0.86             |
| Probe                 | SN 08/21 EPGO352 |
| ConvF                 | 1.51             |
| Crest factor:         | 1:1              |



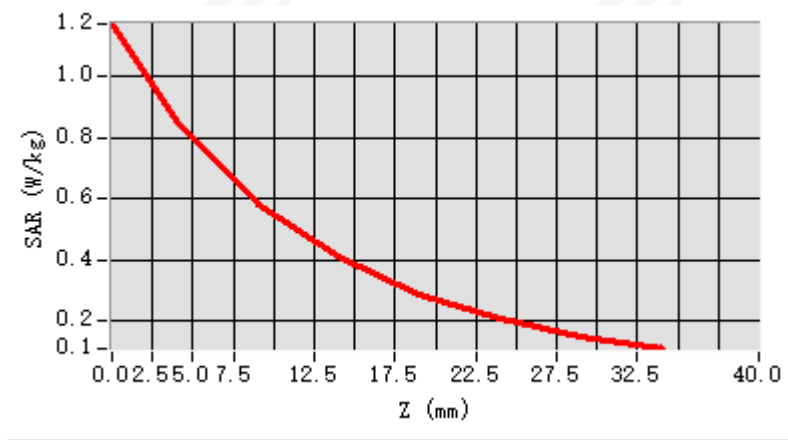
Maximum location: X=0.00, Y=-1.00 ; SAR Peak: 1.17 W/kg

### D. SAR 1g & 10g

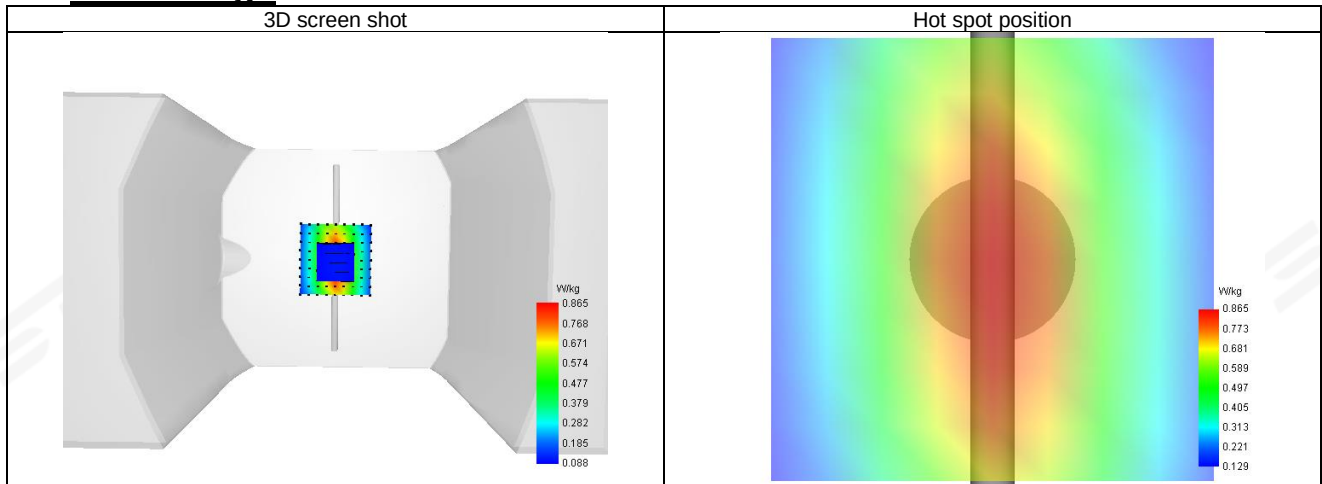
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.548     |
| SAR 1g (W/Kg)                                         | 0.914     |
| Horizontal validation criteria: minimum distance (mm) | 11.623081 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 68.298368 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 1.173 | 0.858 | 0.586 | 0.410 | 0.291 | 0.210 | 0.152 |



### F. 3D Image



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

Type: Phone measurement (Complete)

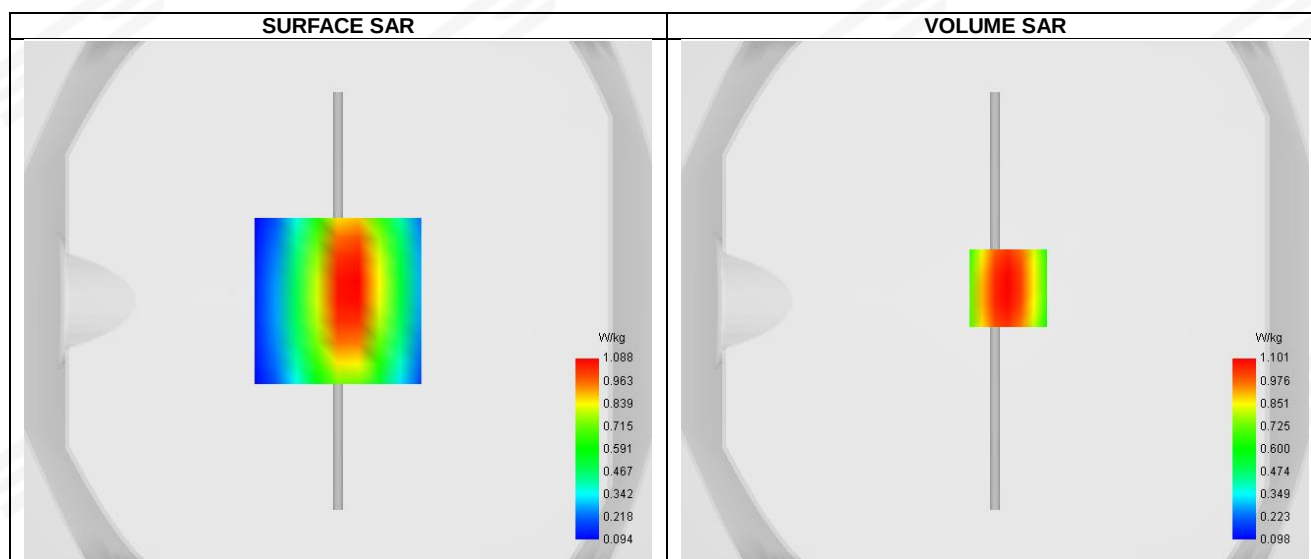
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-02-06

**Experimental conditions.**

|                       |                  |
|-----------------------|------------------|
| Device Position       | Validation plane |
| Band                  | 835 MHz          |
| Channels              | -                |
| Signal                | CW               |
| Frequency (MHz)       | 835              |
| Relative permittivity | 42.38            |
| Conductivity (S/m)    | 0.89             |
| Probe                 | SN 08/21 EPGO352 |
| ConvF                 | 1.49             |
| Crest factor:         | 1:1              |



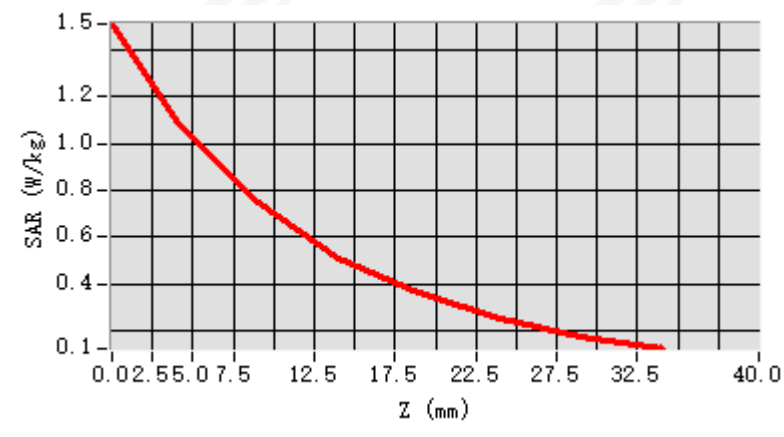
Maximum location: X=5.00, Y=5.00 ; SAR Peak: 1.51 W/kg

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

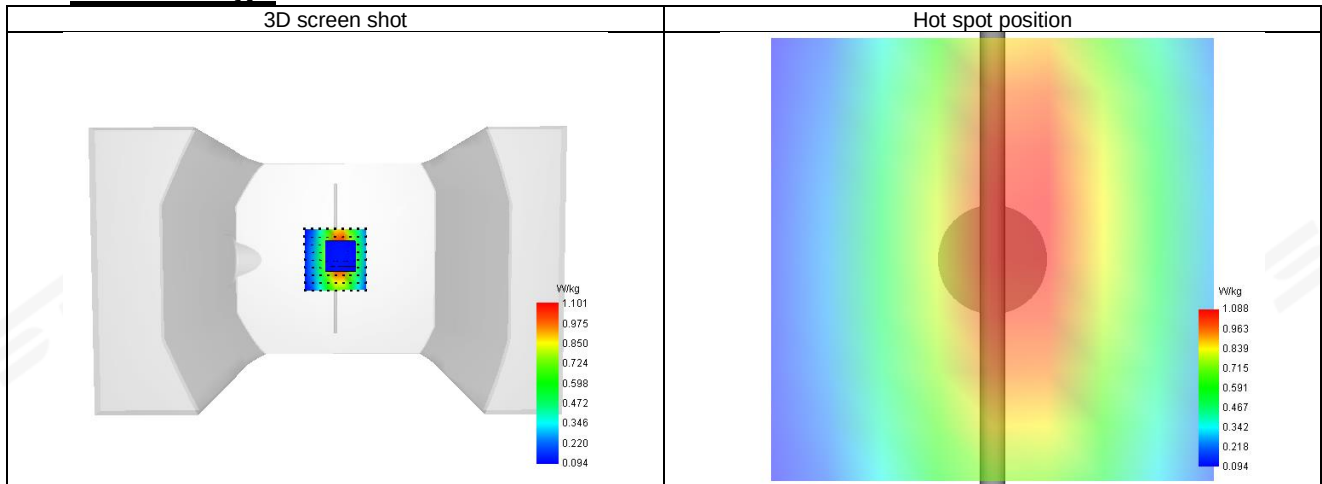
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.611     |
| SAR 1g (W/Kg)                                         | 1.005     |
| Horizontal validation criteria: minimum distance (mm) | 10.669583 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 68.449197 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 1.512 | 1.101 | 0.748 | 0.512 | 0.359 | 0.248 | 0.171 |



### F. 3D Image



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

Type: Phone measurement (Complete)

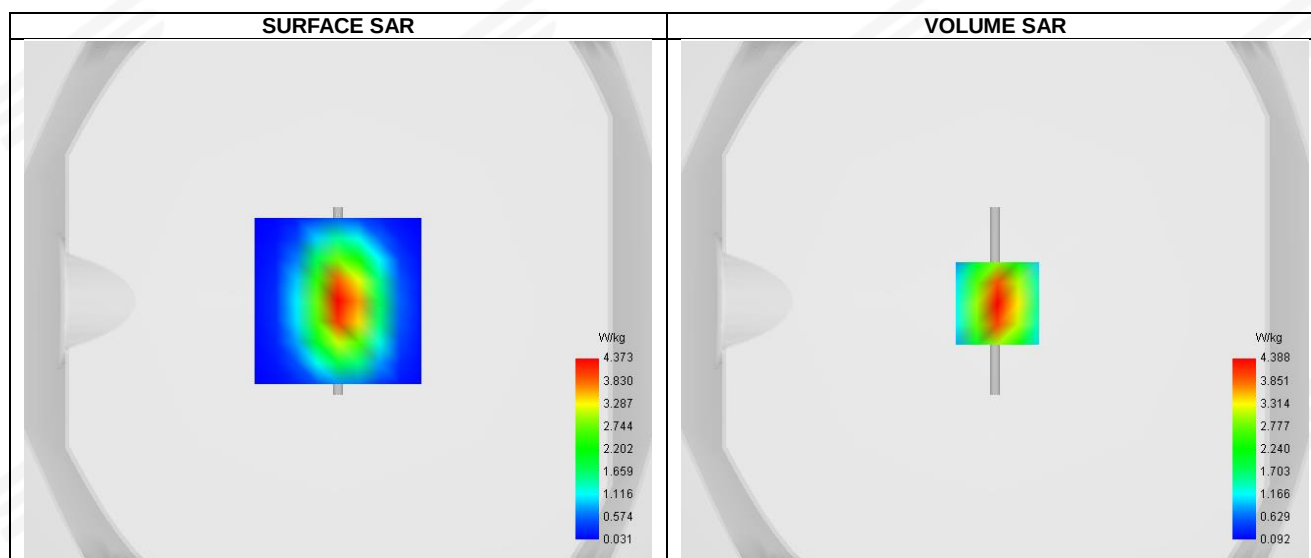
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-02-07

**Experimental conditions.**

|                       |                  |
|-----------------------|------------------|
| Device Position       | Validation plane |
| Band                  | 1800 MHz         |
| Channels              | -                |
| Signal                | CW               |
| Frequency (MHz)       | 1800             |
| Relative permittivity | 40.42            |
| Conductivity (S/m)    | 1.39             |
| Probe                 | SN 08/21 EPGO352 |
| ConvF                 | 1.54             |
| Crest factor:         | 1:1              |



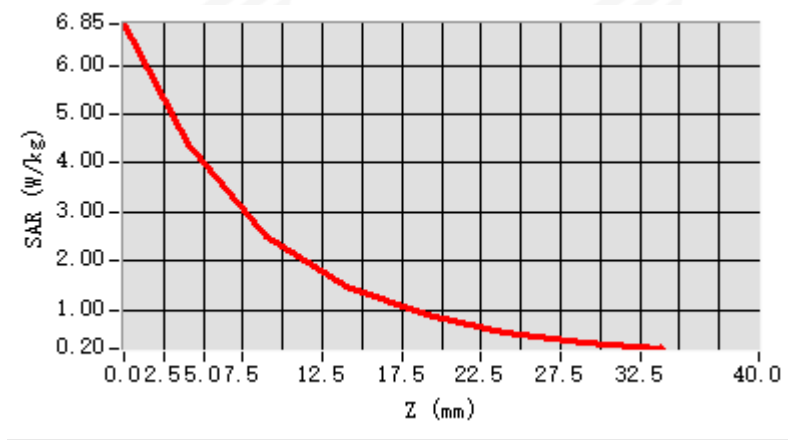
Maximum location: X=1.00, Y=-1.00 ; SAR Peak: 6.80 W/kg

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

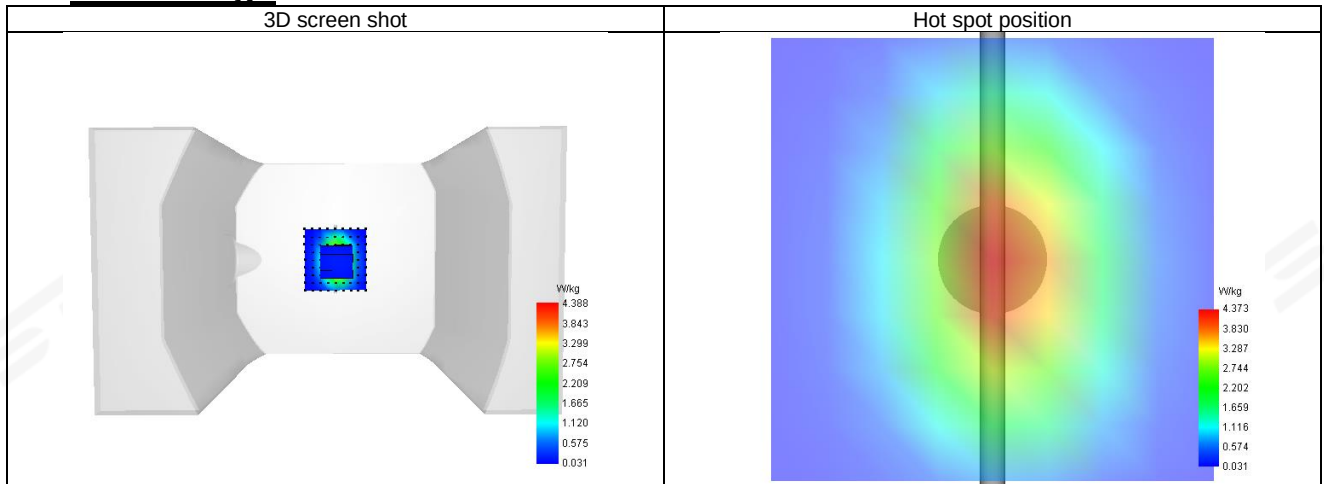
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 2.077     |
| SAR 1g (W/Kg)                                         | 3.812     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 56.745586 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 6.852 | 4.388 | 2.490 | 1.466 | 0.888 | 0.524 | 0.310 |



### F. 3D Image



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

Type: Phone measurement (Complete)

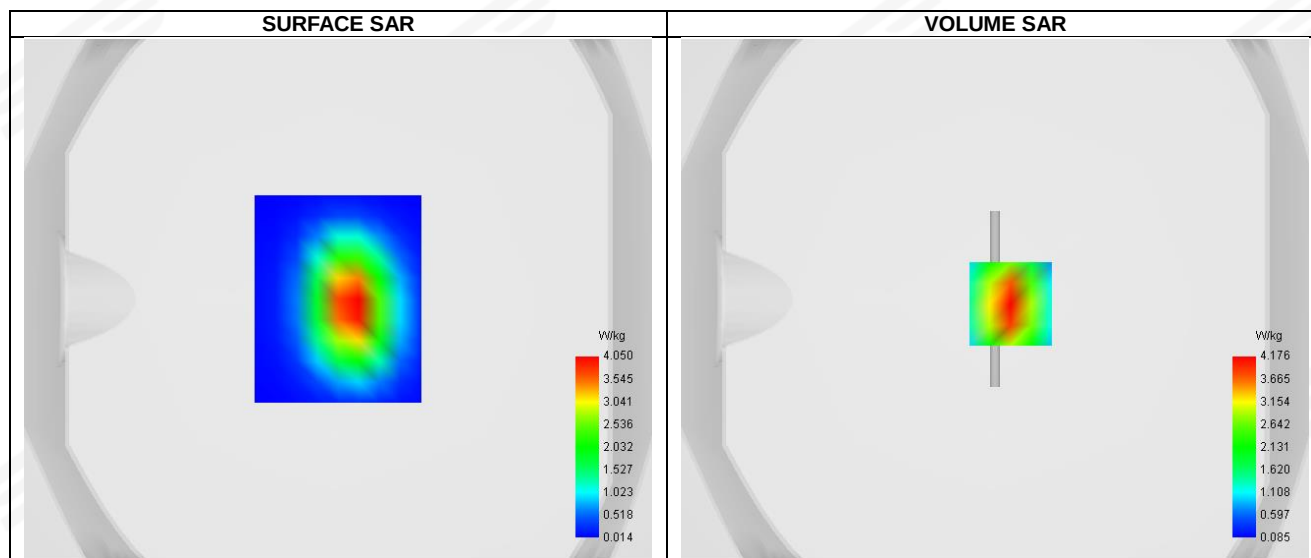
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-02-07

**Experimental conditions.**

|                       |                  |
|-----------------------|------------------|
| Device Position       | Validation plane |
| Band                  | 1900 MHz         |
| Channels              | -                |
| Signal                | CW               |
| Frequency (MHz)       | 1900             |
| Relative permittivity | 40.51            |
| Conductivity (S/m)    | 1.42             |
| Probe                 | SN 08/21 EPGO352 |
| ConvF                 | 1.73             |
| Crest factor:         | 1:1              |



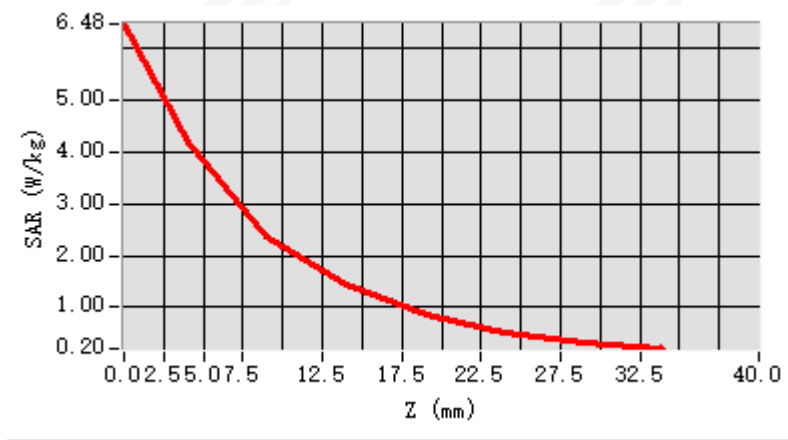
Maximum location: X=6.00, Y=-2.00 ; SAR Peak: 6.44 W/kg

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

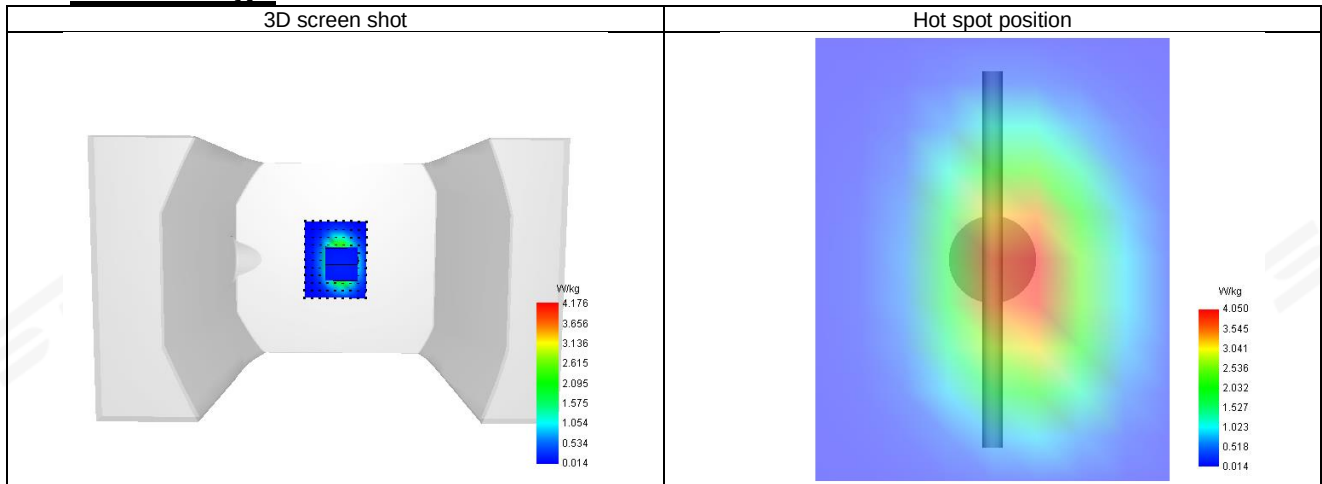
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 1.972     |
| SAR 1g (W/Kg)                                         | 4.003     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 57.158943 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 6.480 | 4.176 | 2.387 | 1.424 | 0.860 | 0.510 | 0.303 |



### F. 3D Image



**System Performance Check Data (2300MHz)**

Type: Phone measurement (Complete)

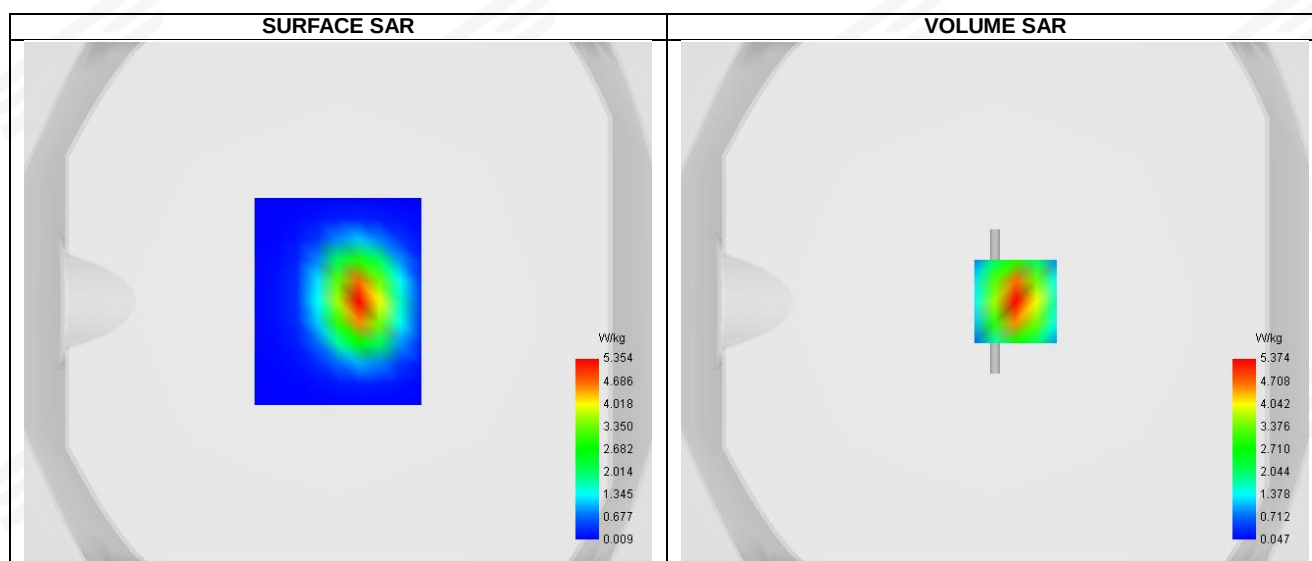
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-02-08

**Experimental conditions.**

|                       |                  |
|-----------------------|------------------|
| Device Position       | Validation plane |
| Band                  | 2300 MHz         |
| Channels              | -                |
| Signal                | CW               |
| Frequency (MHz)       | 2300             |
| Relative permittivity | 40.39            |
| Conductivity (S/m)    | 1.67             |
| Probe                 | SN 08/21 EPGO352 |
| ConvF                 | 1.74             |
| Crest factor:         | 1:1              |



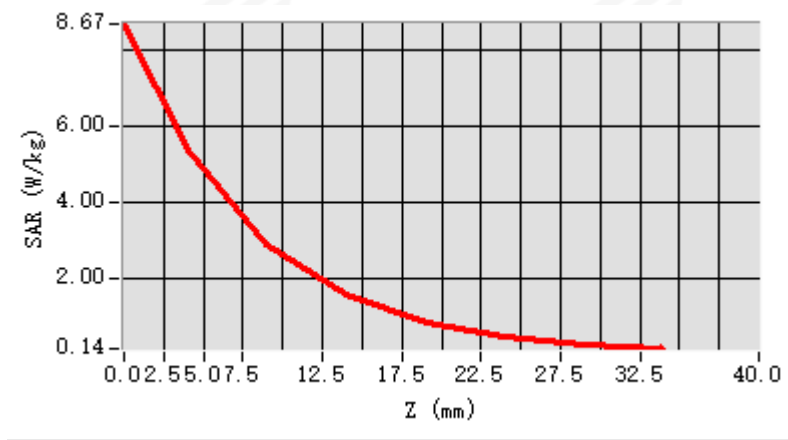
Maximum location: X=8.00, Y=0.00 ; SAR Peak: 8.59 W/kg

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

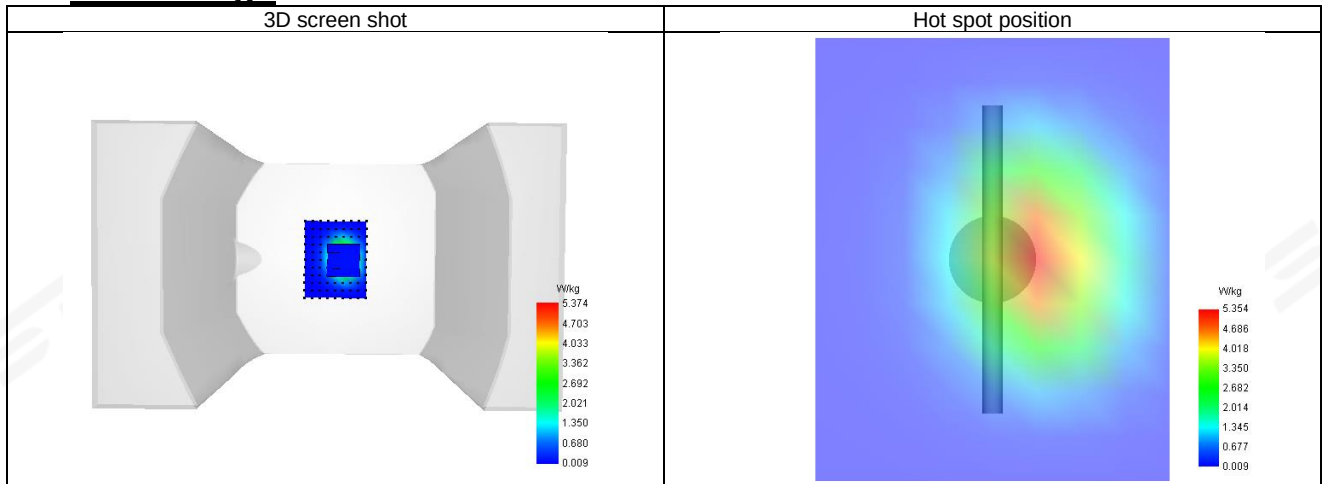
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 2.336     |
| SAR 1g (W/Kg)                                         | 4.823     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 53.026654 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 8.668 | 5.374 | 2.850 | 1.553 | 0.837 | 0.451 | 0.243 |



### F. 3D Image



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

Type: Phone measurement (Complete)

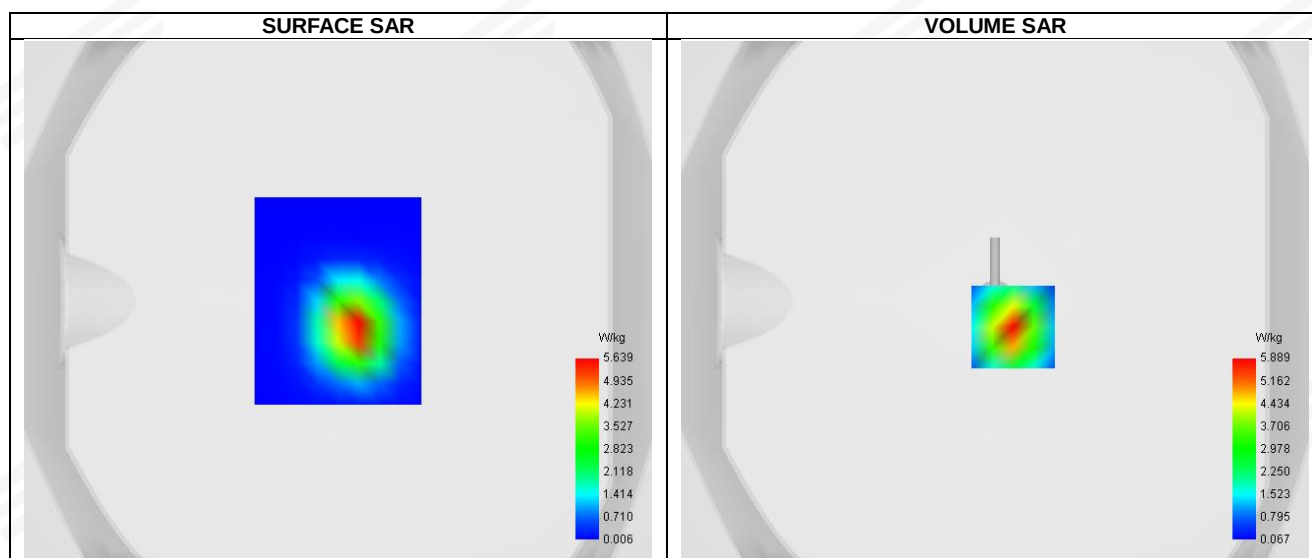
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-02-08

**Experimental conditions.**

|                       |                  |
|-----------------------|------------------|
| Device Position       | Validation plane |
| Band                  | 2600 MHz         |
| Channels              | -                |
| Signal                | CW               |
| Frequency (MHz)       | 2600             |
| Relative permittivity | 39.01            |
| Conductivity (S/m)    | 1.93             |
| Probe                 | SN 08/21 EPGO352 |
| ConvF                 | 1.70             |
| Crest factor:         | 1:1              |



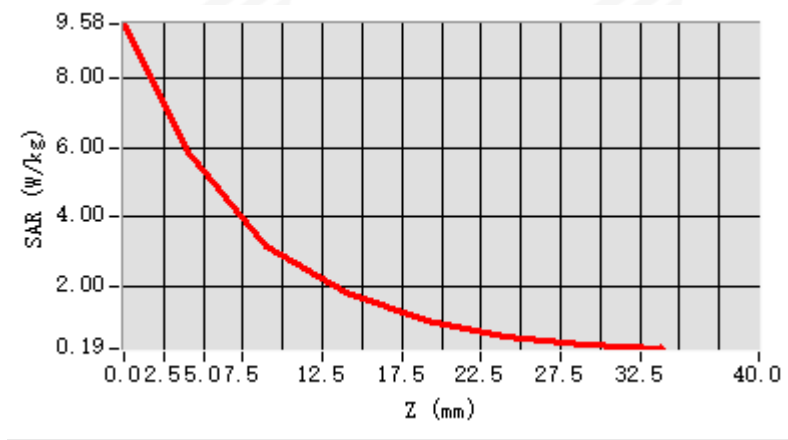
Maximum location: X=7.00, Y=-10.00 ; SAR Peak: 9.49 W/kg

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

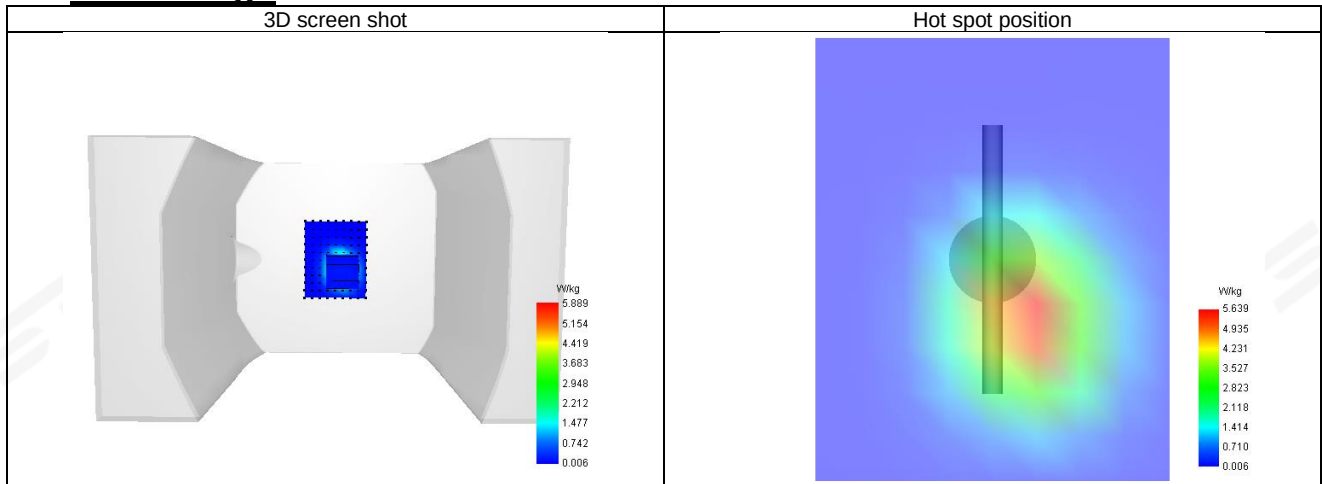
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 2.456     |
| SAR 1g (W/Kg)                                         | 5.550     |
| Horizontal validation criteria: minimum distance (mm) | 11.313708 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 52.992222 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 9.581 | 5.889 | 3.121 | 1.808 | 1.010 | 0.564 | 0.315 |



### F. 3D Image

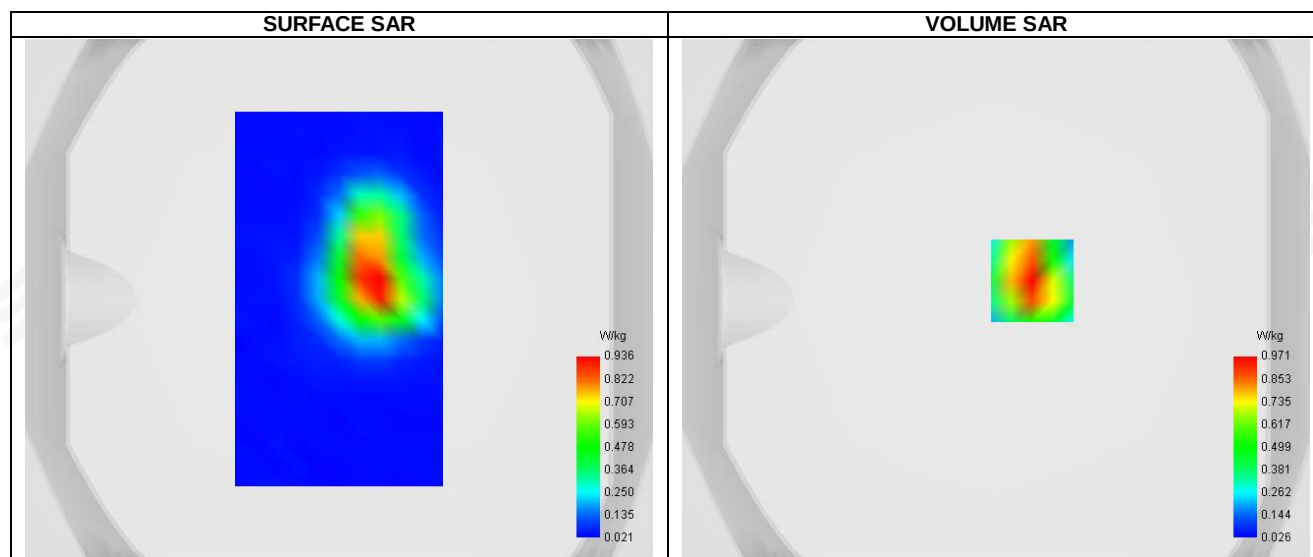




## Appendix B. SAR Test Plots

Plot 1: DUT: GPS Tracker; EUT Model: TRKM2K-C

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2026-02-07                              |
| ConvF                             | 1.73                                    |
| Probe                             | SN 08/21 EPG0352                        |
| Area Scan                         | dx=8mm dy=8mm, Complete                 |
| Zoom Scan                         | 5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Body                                    |
| Device Position                   | Front                                   |
| Band                              | LTE band 2                              |
| Signal                            | LTE (Crest factor: 1.0)                 |
| Frequency (MHz)                   | 1880                                    |
| Relative permittivity (real part) | 39.71                                   |
| Conductivity (S/m)                | 1.40                                    |

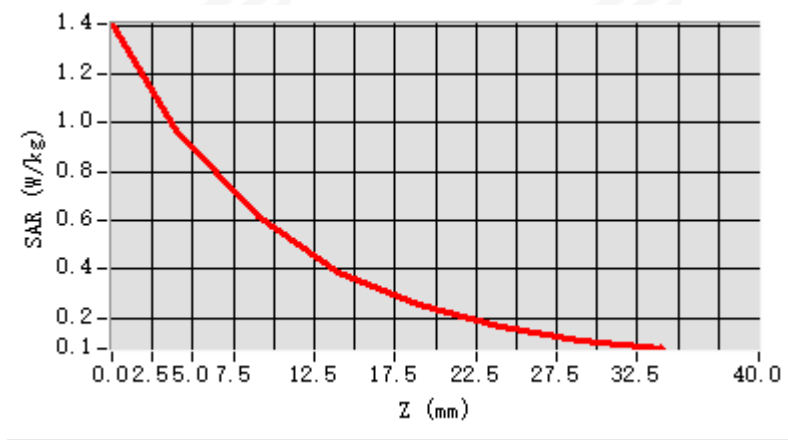


### D. SAR 1g & 10g

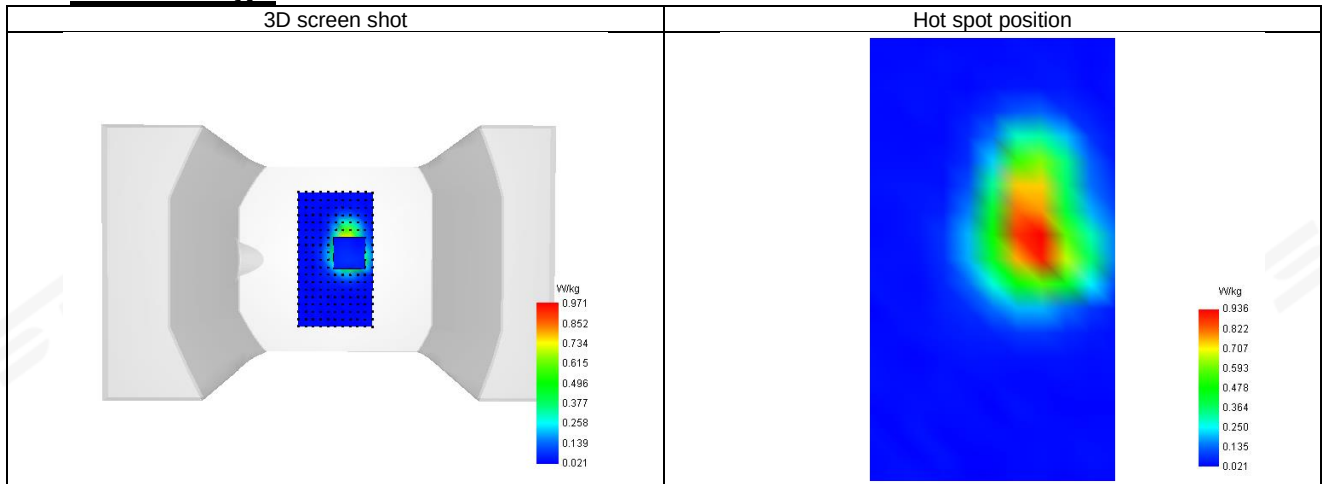
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.495     |
| SAR 1g (W/Kg)                                         | 0.919     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 63.317480 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 1.405 | 0.971 | 0.615 | 0.386 | 0.258 | 0.166 | 0.107 |



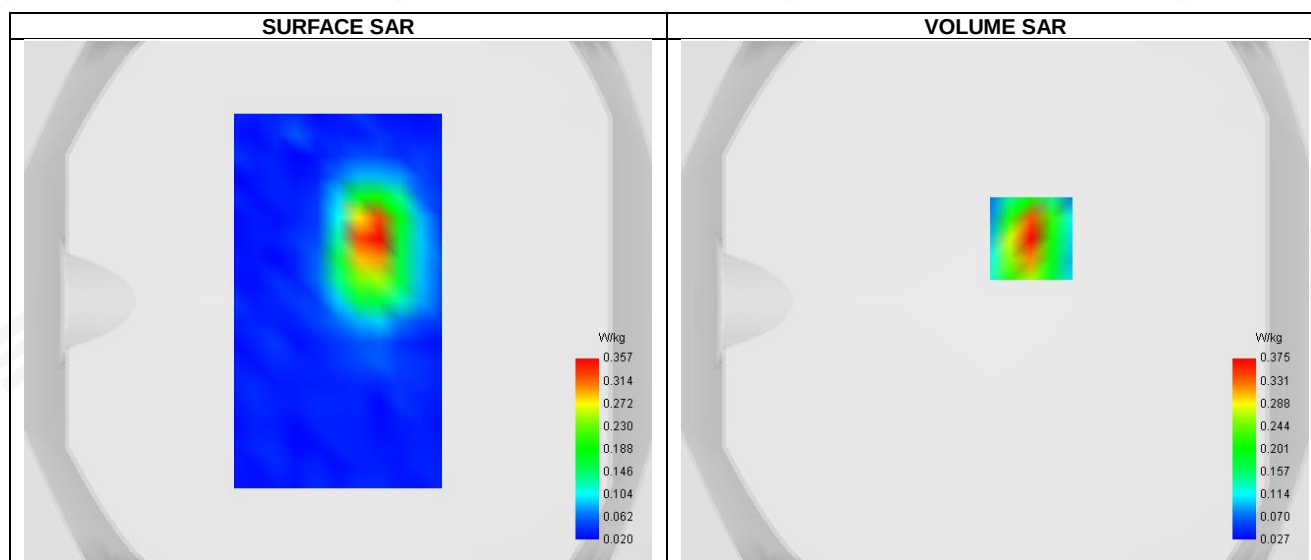
### F. 3D Image





Plot 2: DUT: GPS Tracker; EUT Model: TRKM2K-C

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Test Date                         | 2026-02-07                             |
| ConvF                             | 1.54                                   |
| Probe                             | SN 08/21 EPGO352                       |
| Area Scan                         | dx=8mm dy=8mm, Complete                |
| Zoom Scan                         | 5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Body                                   |
| Device Position                   | Front                                  |
| Band                              | LTE band 4                             |
| Signal                            | LTE (Crest factor: 1.0)                |
| Frequency (MHz)                   | 1732.5                                 |
| Relative permittivity (real part) | 40.85                                  |
| Conductivity (S/m)                | 1.35                                   |



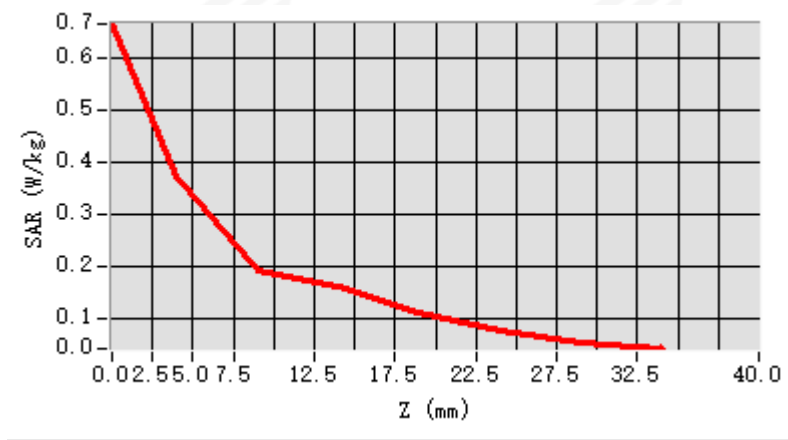
Maximum location: X=14.00, Y=24.00 ; SAR Peak: 0.67 W/kg

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

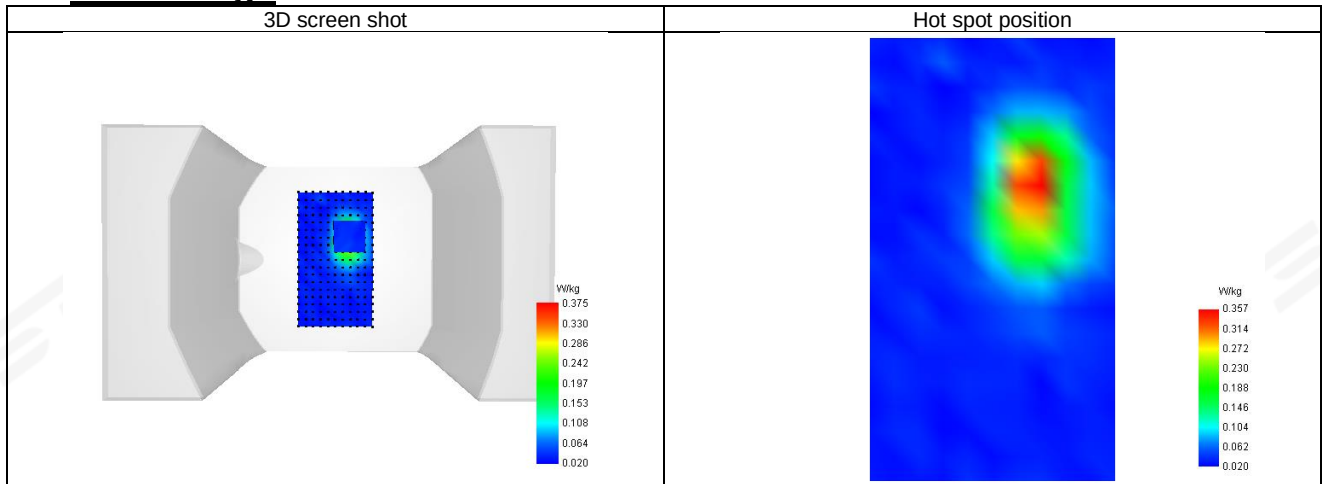
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.185     |
| SAR 1g (W/Kg)                                         | 0.366     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 52.937847 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.667 | 0.375 | 0.191 | 0.160 | 0.110 | 0.075 | 0.051 |



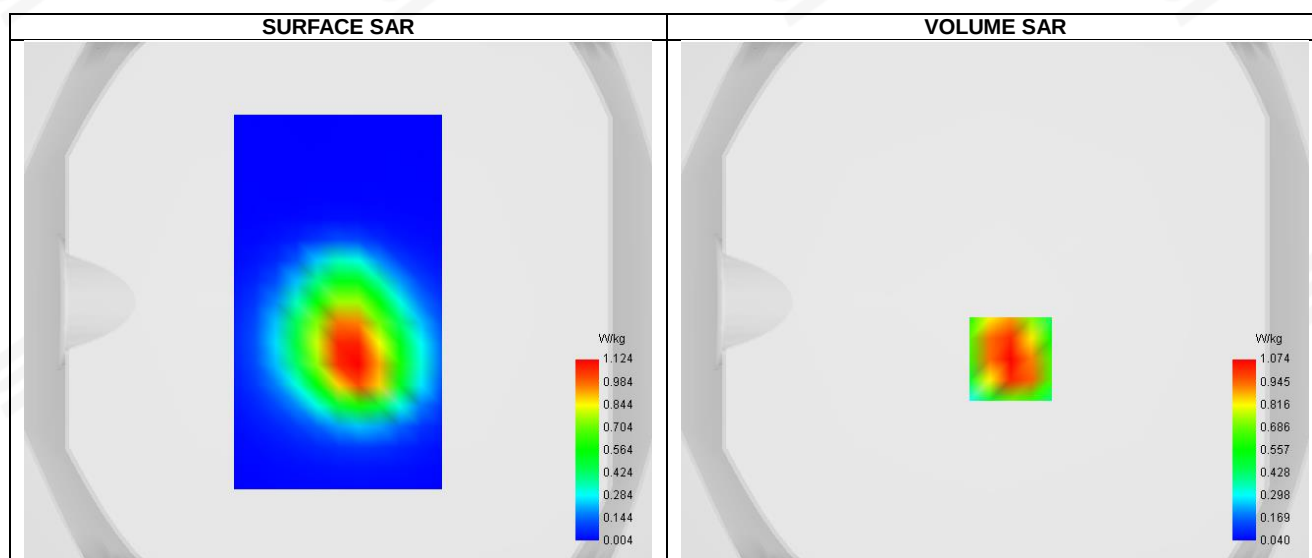
### F. 3D Image





Plot 3: DUT: GPS Tracker; EUT Model: TRKM2K-C

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Test Date                         | 2026-02-06                             |
| ConvF                             | 1.49                                   |
| Probe                             | SN 08/21 EPGO352                       |
| Area Scan                         | dx=8mm dy=8mm, Complete                |
| Zoom Scan                         | 5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Body                                   |
| Device Position                   | Front                                  |
| Band                              | LTE band 5                             |
| Signal                            | LTE (Crest factor: 1.0)                |
| Frequency (MHz)                   | 829                                    |
| Relative permittivity (real part) | 41.49                                  |
| Conductivity (S/m)                | 0.90                                   |



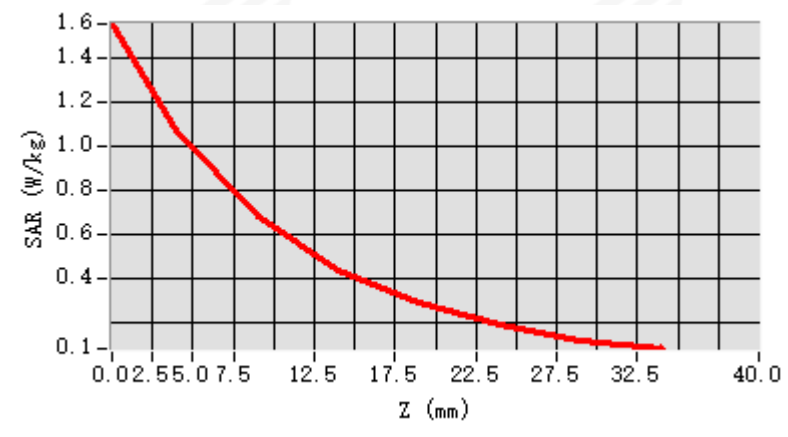
Maximum location: X=6.00, Y=-22.00 ; SAR Peak: 1.63 W/kg

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

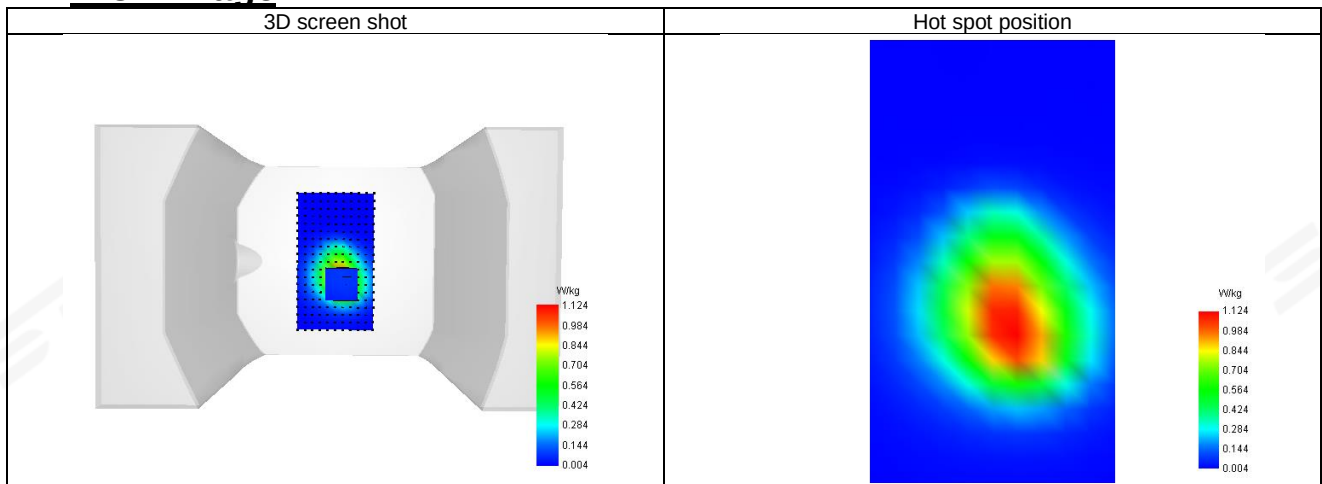
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.606     |
| SAR 1g (W/Kg)                                         | 1.037     |
| Horizontal validation criteria: minimum distance (mm) | 17.888544 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 63.473734 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 1.551 | 1.074 | 0.682 | 0.435 | 0.290 | 0.188 | 0.122 |



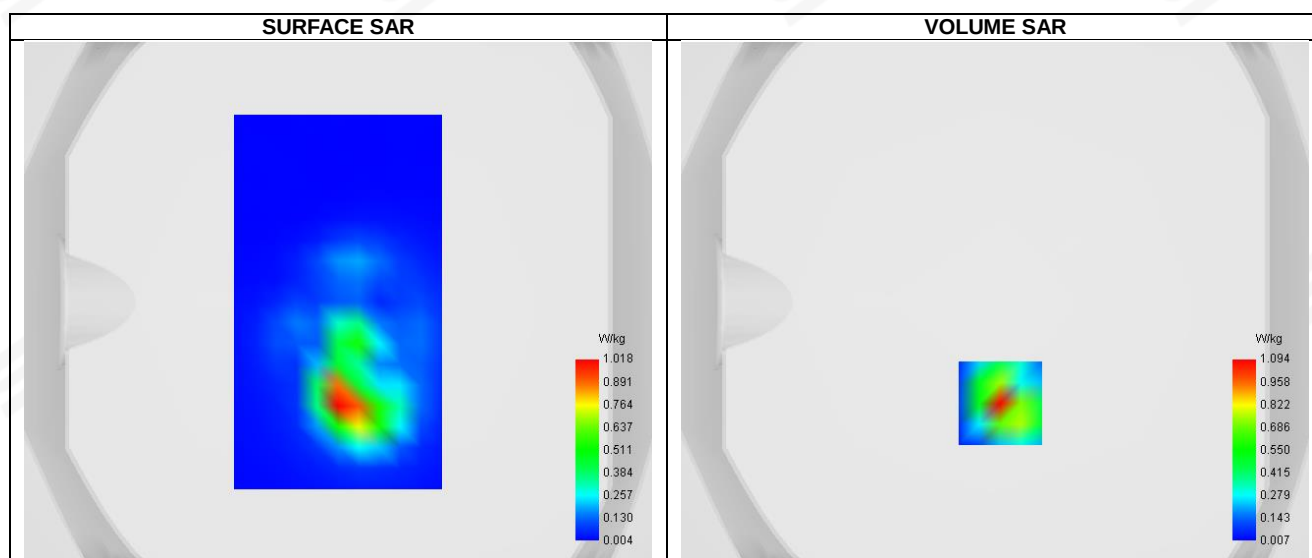
### F. 3D Image





Plot 4: DUT: GPS Tracker; EUT Model: TRKM2K-C

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Test Date                         | 2026-02-08                             |
| ConvF                             | 1.70                                   |
| Probe                             | SN 08/21 EPG0352                       |
| Area Scan                         | dx=8mm dy=8mm, Complete                |
| Zoom Scan                         | 5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Body                                   |
| Device Position                   | Body                                   |
| Band                              | LTE band 7                             |
| Signal                            | LTE (Crest factor: 1.0)                |
| Frequency (MHz)                   | 2560                                   |
| Relative permittivity (real part) | 38.96                                  |
| Conductivity (S/m)                | 1.92                                   |



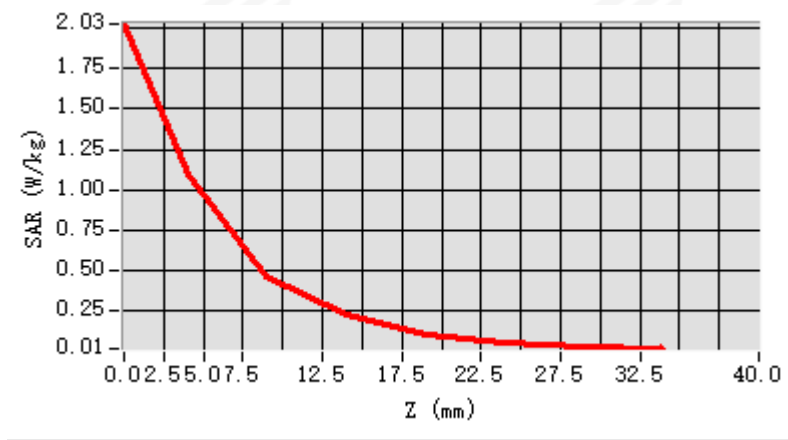
Maximum location: X=2.00, Y=-39.00 ; SAR Peak: 1.99 W/kg

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

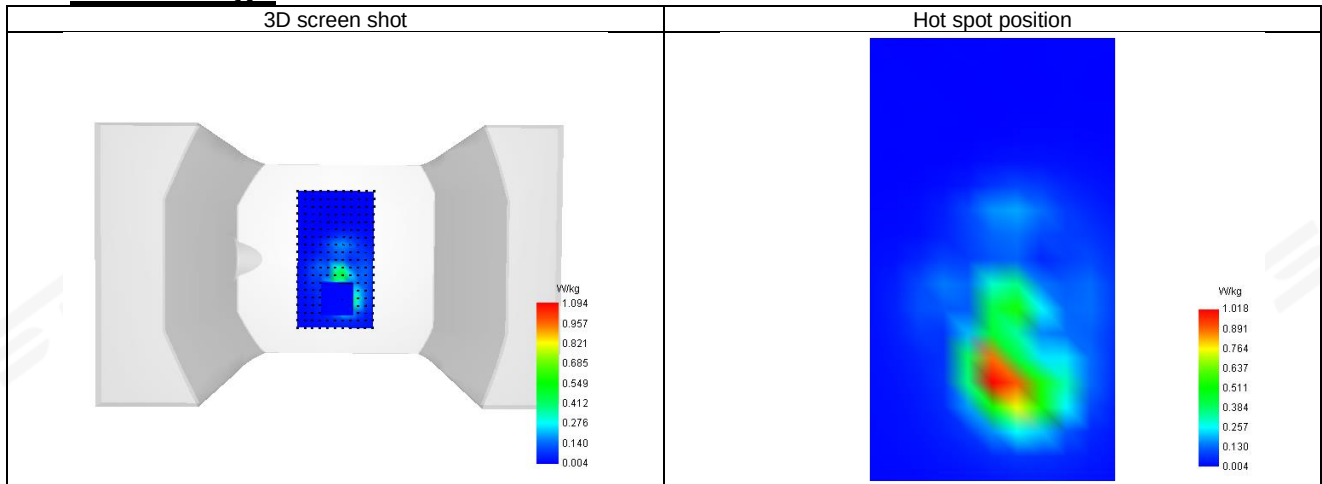
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.375     |
| SAR 1g (W/Kg)                                         | 0.953     |
| Horizontal validation criteria: minimum distance (mm) | 8.000000  |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 41.643454 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 2.028 | 1.094 | 0.455 | 0.218 | 0.099 | 0.044 | 0.020 |



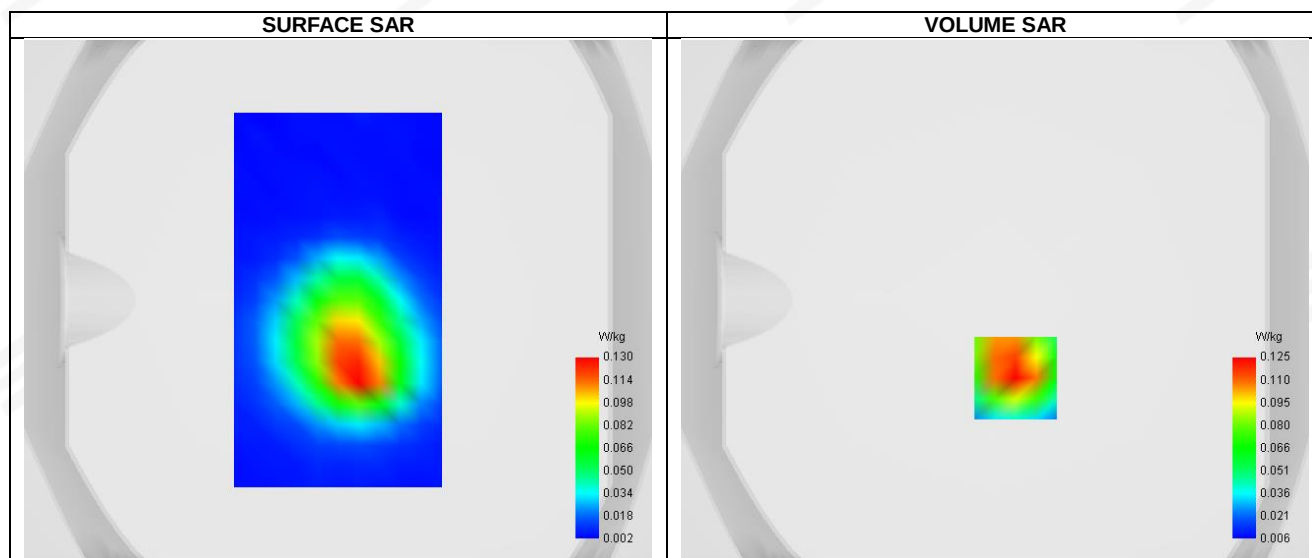
### F. 3D Image





Plot 5: DUT: GPS Tracker; EUT Model: TRKM2K-C

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Test Date                         | 2026-02-06                             |
| ConvF                             | 1.51                                   |
| Probe                             | SN 08/21 EPG0352                       |
| Area Scan                         | dx=8mm dy=8mm, Complete                |
| Zoom Scan                         | 5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Body                                   |
| Device Position                   | Front                                  |
| Band                              | LTE band 12                            |
| Signal                            | LTE (Crest factor: 1.0)                |
| Frequency (MHz)                   | 704                                    |
| Relative permittivity (real part) | 41.73                                  |
| Conductivity (S/m)                | 0.88                                   |



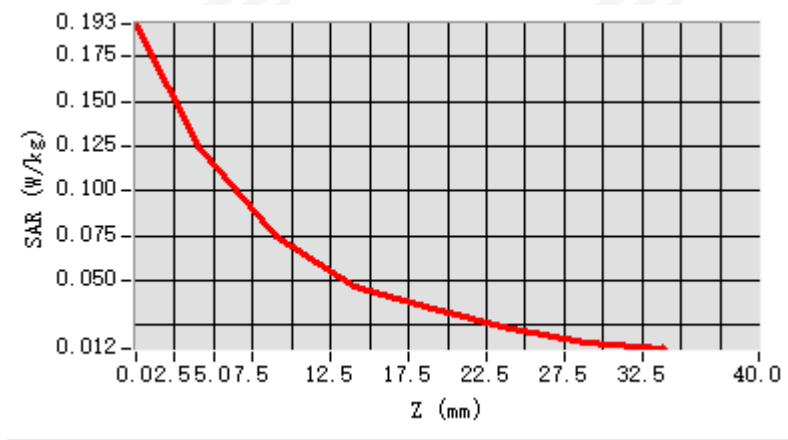
Maximum location: X=8.00, Y=-30.00 ; SAR Peak: 0.19 W/kg

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

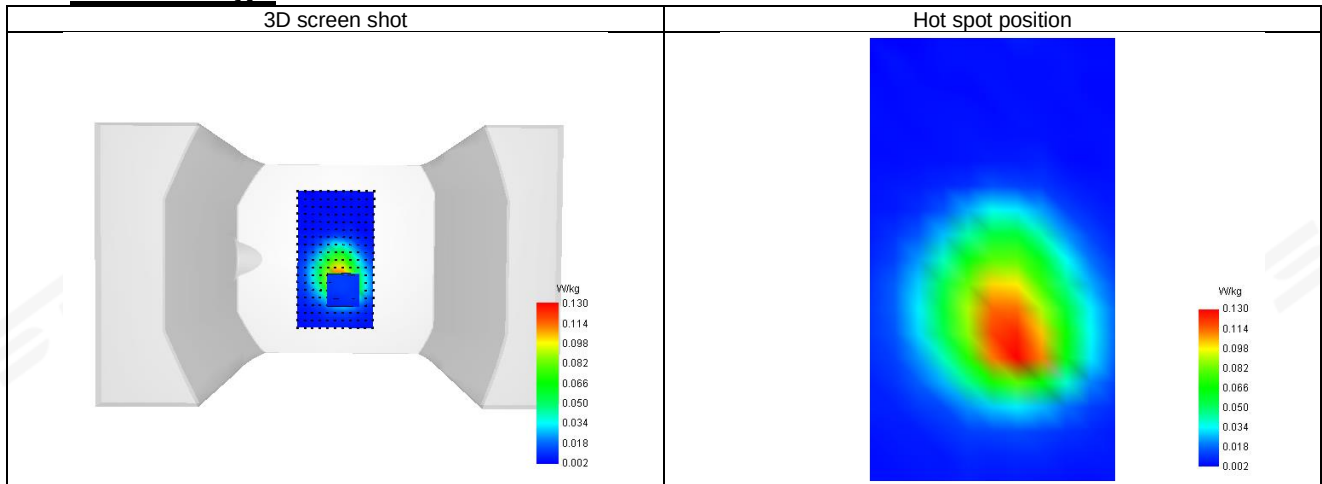
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.069     |
| SAR 1g (W/Kg)                                         | 0.120     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 61.105794 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.193 | 0.125 | 0.075 | 0.047 | 0.034 | 0.023 | 0.015 |



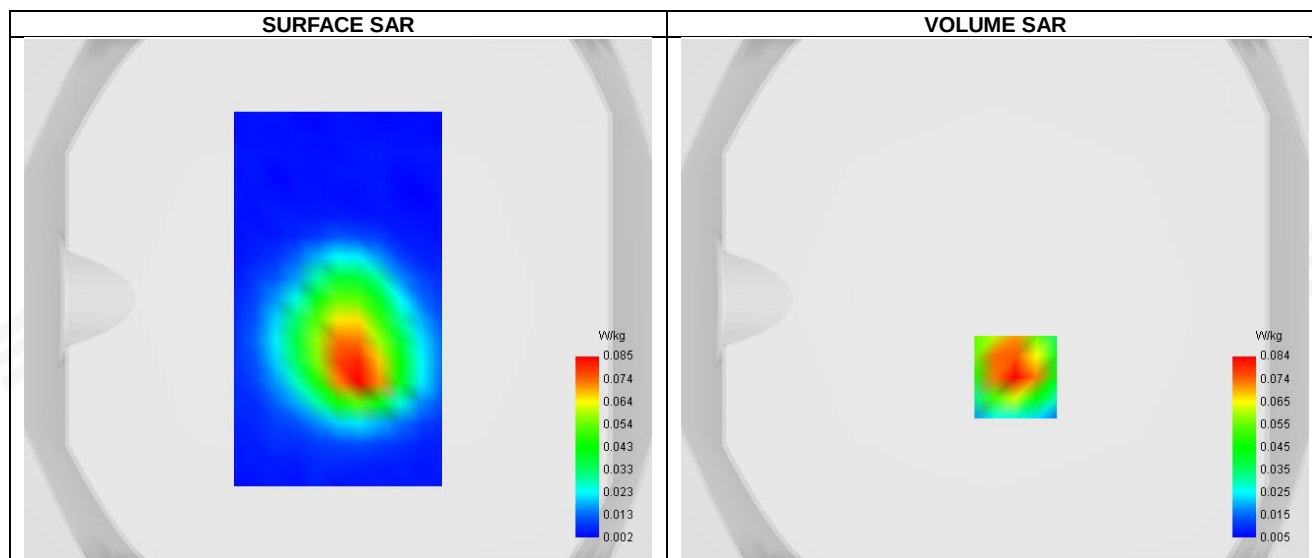
### F. 3D Image





Plot 6: DUT: GPS Tracker; EUT Model: TRKM2K-C

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Test Date                         | 2026-02-06                             |
| ConvF                             | 1.51                                   |
| Probe                             | SN 08/21 EPGO352                       |
| Area Scan                         | dx=8mm dy=8mm, Complete                |
| Zoom Scan                         | 5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Body                                   |
| Device Position                   | Front                                  |
| Band                              | LTE band 17                            |
| Signal                            | LTE (Crest factor: 1.0)                |
| Frequency (MHz)                   | 711                                    |
| Relative permittivity (real part) | 41.72                                  |
| Conductivity (S/m)                | 0.87                                   |



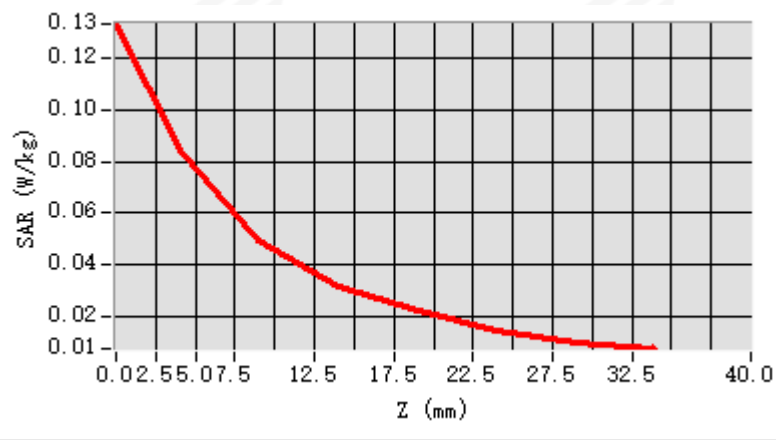
Maximum location: X=8.00, Y=-30.00 ; SAR Peak: 0.13 W/kg

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

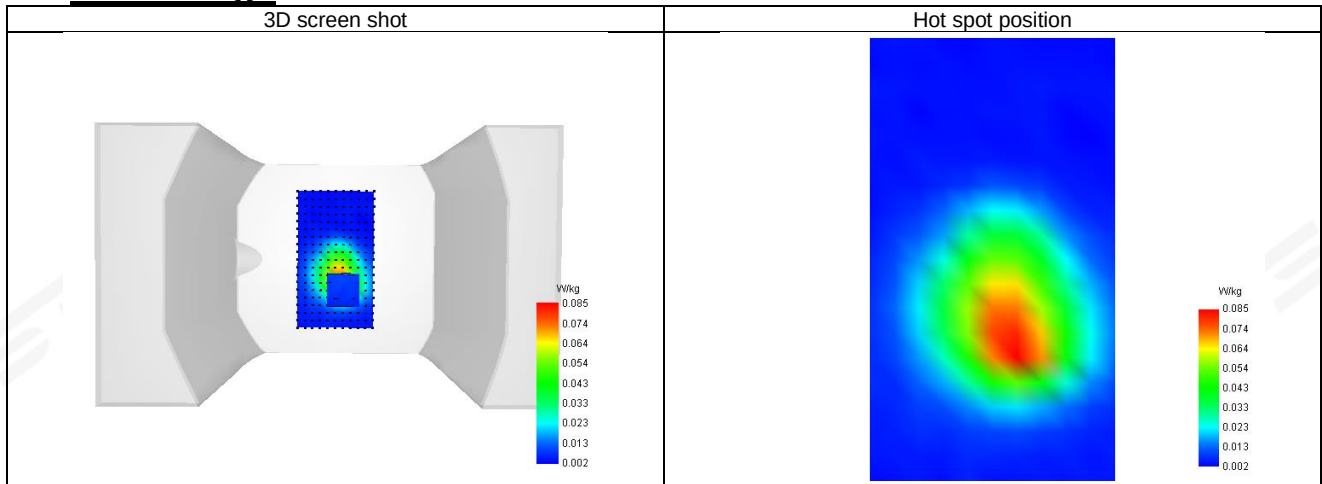
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.045     |
| SAR 1g (W/Kg)                                         | 0.081     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 60.602788 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.133 | 0.084 | 0.049 | 0.032 | 0.022 | 0.015 | 0.010 |



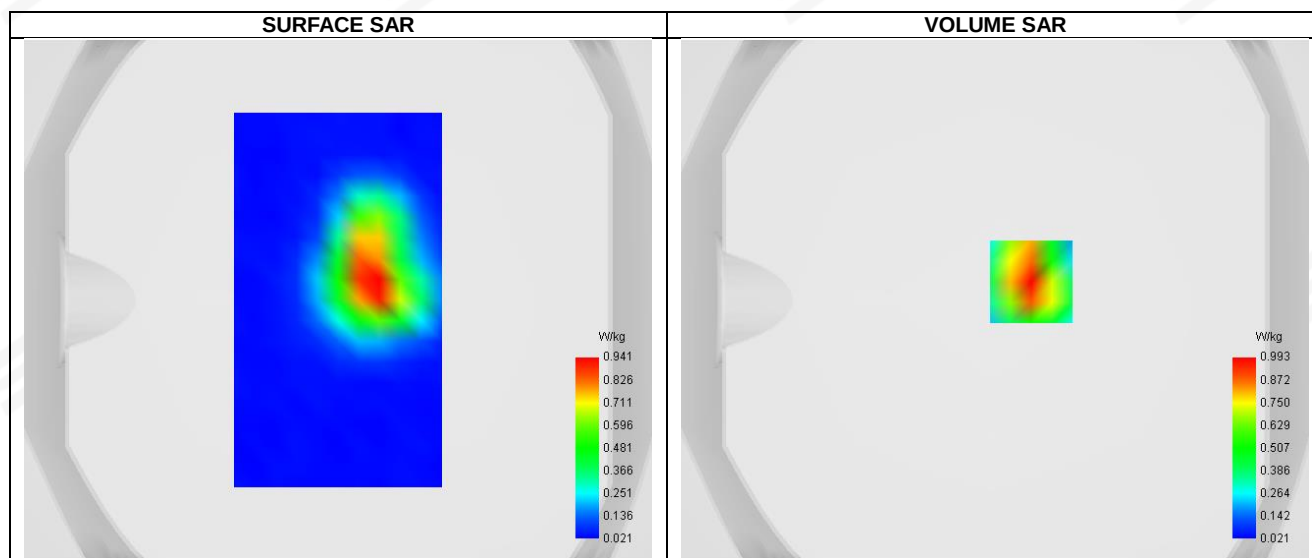
### F. 3D Image





Plot 7: DUT: GPS Tracker; EUT Model: TRKM2K-C

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Test Date                         | 2026-02-07                             |
| ConvF                             | 1.73                                   |
| Probe                             | SN 08/21 EPG0352                       |
| Area Scan                         | dx=8mm dy=8mm, Complete                |
| Zoom Scan                         | 5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Body                                   |
| Device Position                   | Front                                  |
| Band                              | LTE band 25                            |
| Signal                            | LTE (Crest factor: 1.0)                |
| Frequency (MHz)                   | 1882.5                                 |
| Relative permittivity (real part) | 39.75                                  |
| Conductivity (S/m)                | 1.40                                   |



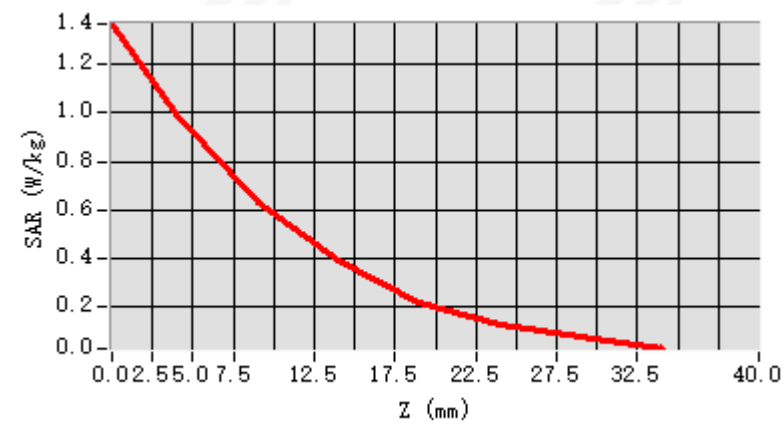
Maximum location: X=14.00, Y=7.00 ; SAR Peak: 1.40 W/kg

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

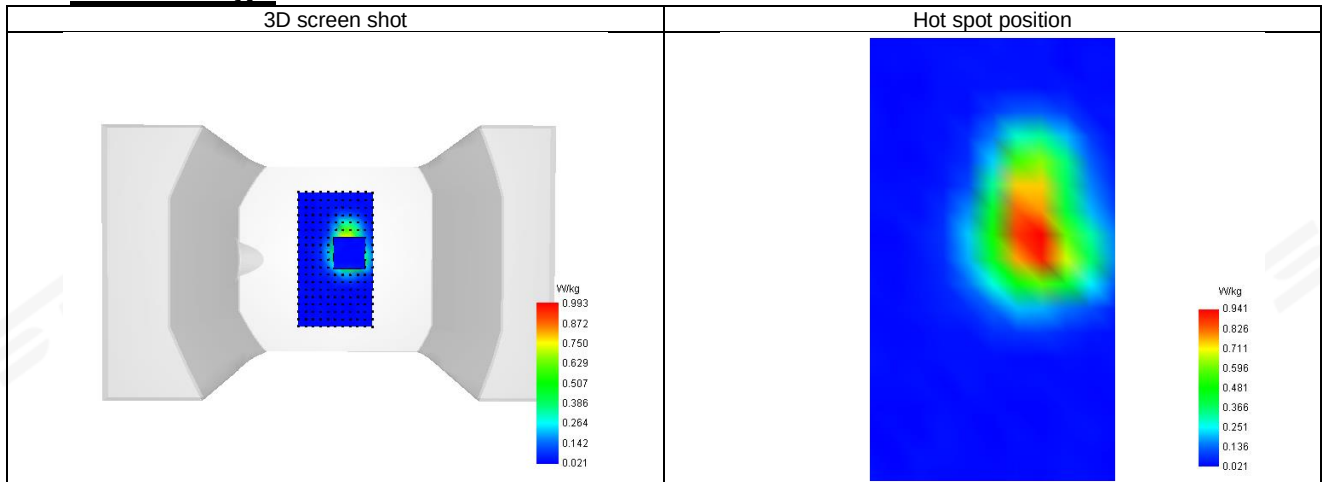
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.481     |
| SAR 1g (W/Kg)                                         | 0.909     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 63.364793 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 1.365 | 0.993 | 0.629 | 0.394 | 0.218 | 0.130 | 0.078 |



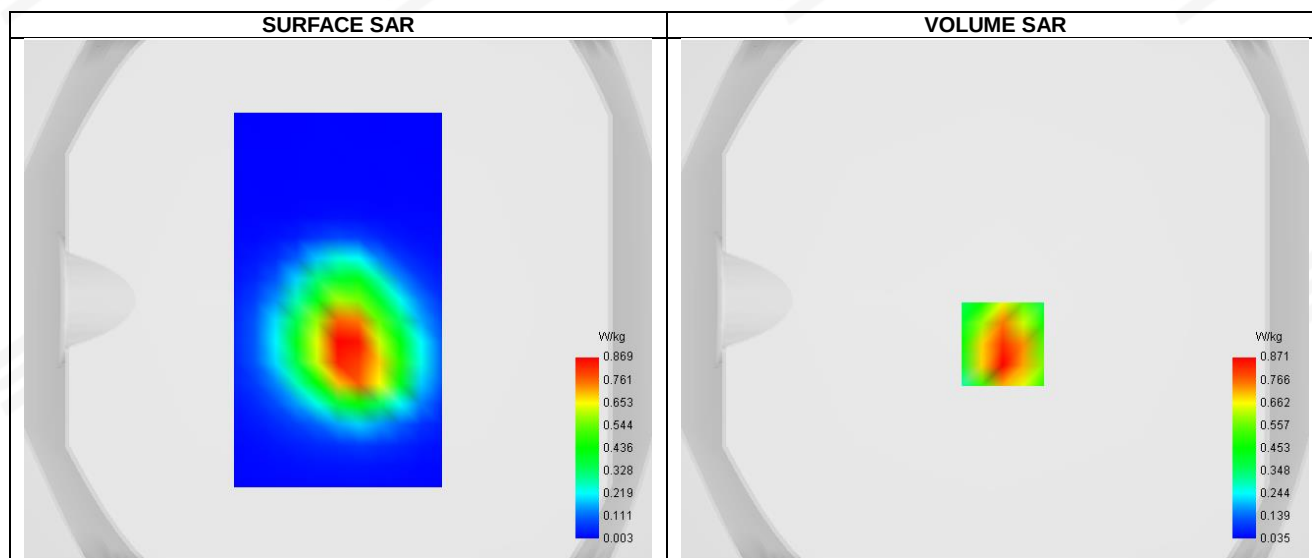
### F. 3D Image





Plot 8: DUT: GPS Tracker; EUT Model: TRKM2K-C

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Test Date                         | 2026-02-06                             |
| ConvF                             | 1.49                                   |
| Probe                             | SN 08/21 EPG0352                       |
| Area Scan                         | dx=8mm dy=8mm, Complete                |
| Zoom Scan                         | 5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Body                                   |
| Device Position                   | Front                                  |
| Band                              | LTE band 26                            |
| Signal                            | LTE (Crest factor: 1.0)                |
| Frequency (MHz)                   | 821.5                                  |
| Relative permittivity (real part) | 41.25                                  |
| Conductivity (S/m)                | 0.92                                   |



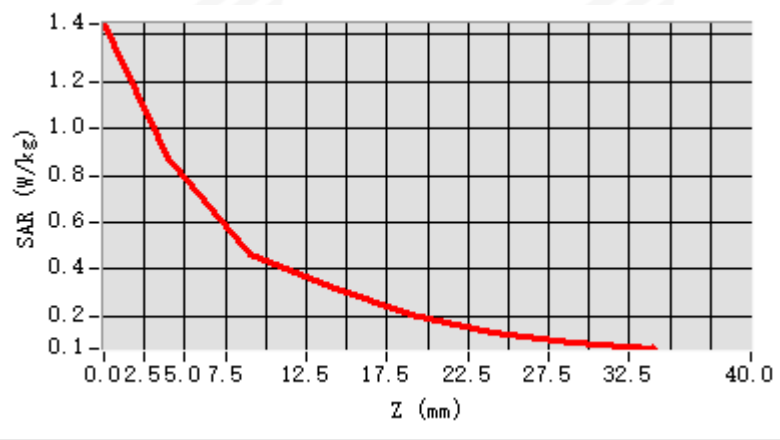
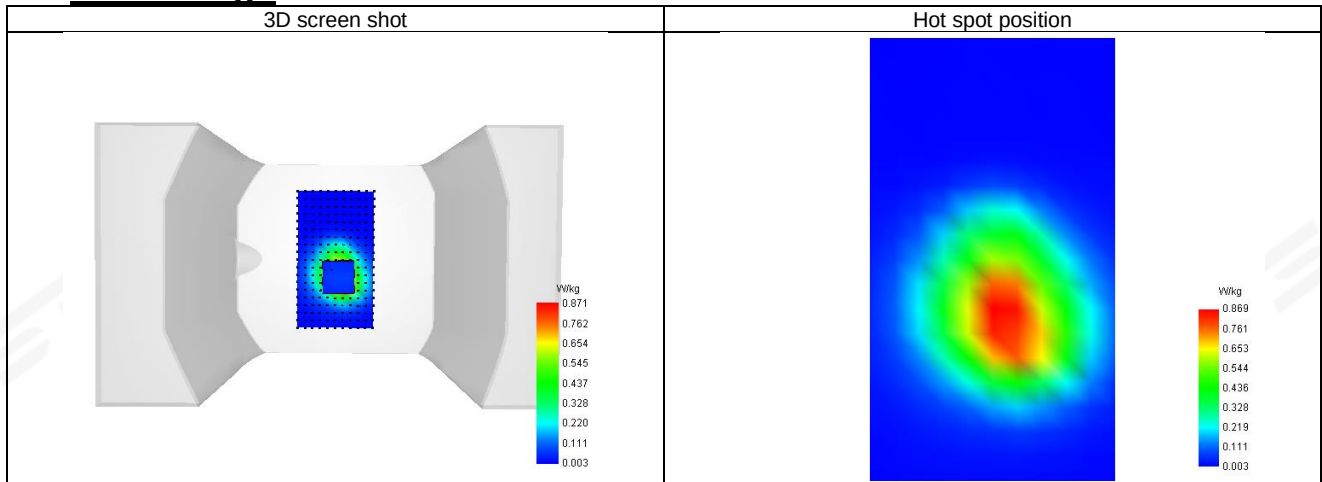
Maximum location: X=3.00, Y=-17.00 ; SAR Peak: 1.45 W/kg

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

|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.471     |
| SAR 1g (W/Kg)                                         | 0.842     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 58.573601 |

**E. Z Axis Scan**

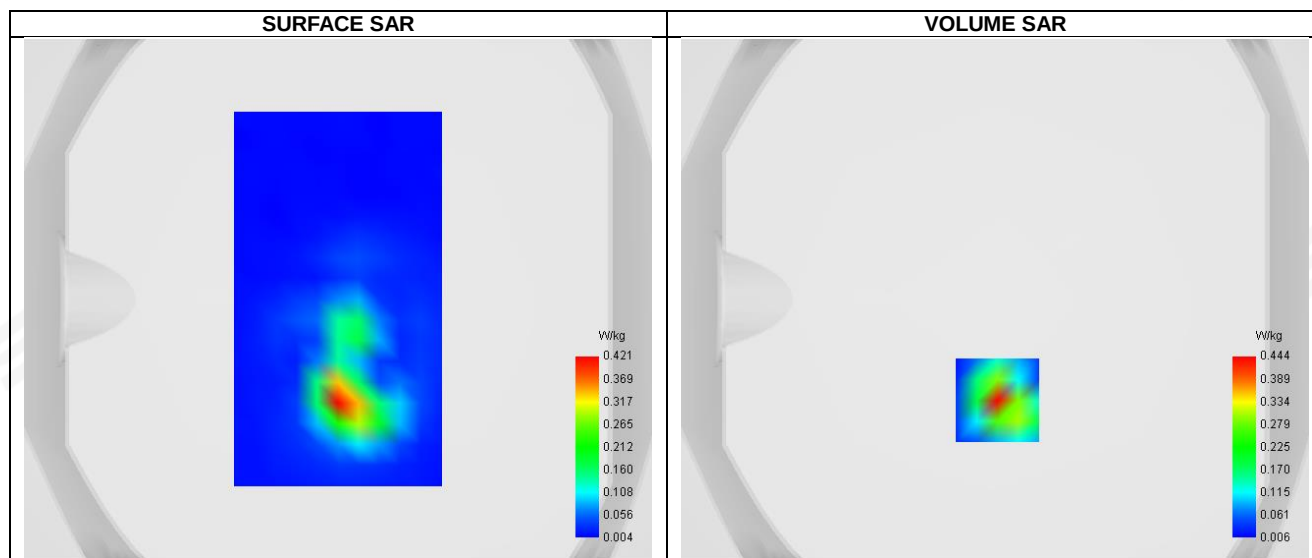
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 1.446 | 0.871 | 0.465 | 0.329 | 0.205 | 0.132 | 0.087 |

**F. 3D Image**



Plot 9: DUT: GPS Tracker; EUT Model: TRKM2K-C

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Test Date                         | 2026-02-08                             |
| ConvF                             | 1.70                                   |
| Probe                             | SN 08/21 EPGO352                       |
| Area Scan                         | dx=8mm dy=8mm, Complete                |
| Zoom Scan                         | 5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Body                                   |
| Device Position                   | Front                                  |
| Band                              | LTE band 38                            |
| Signal                            | LTE (Crest factor: 1.0)                |
| Frequency (MHz)                   | 2610                                   |
| Relative permittivity (real part) | 39.33                                  |
| Conductivity (S/m)                | 1.96                                   |

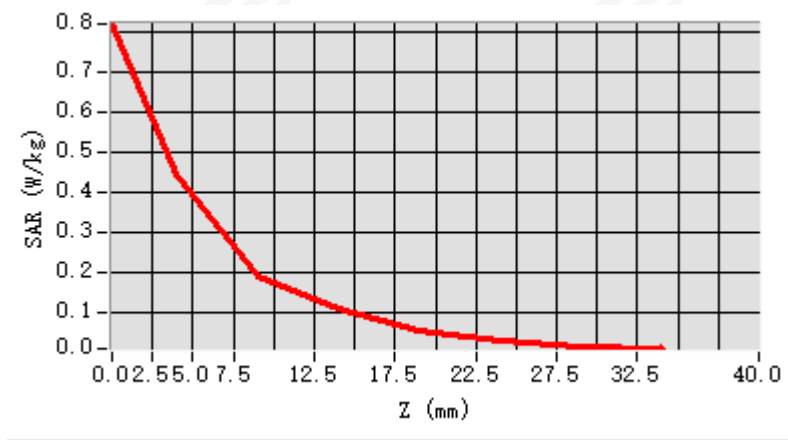


#### D. SAR 1g & 10g

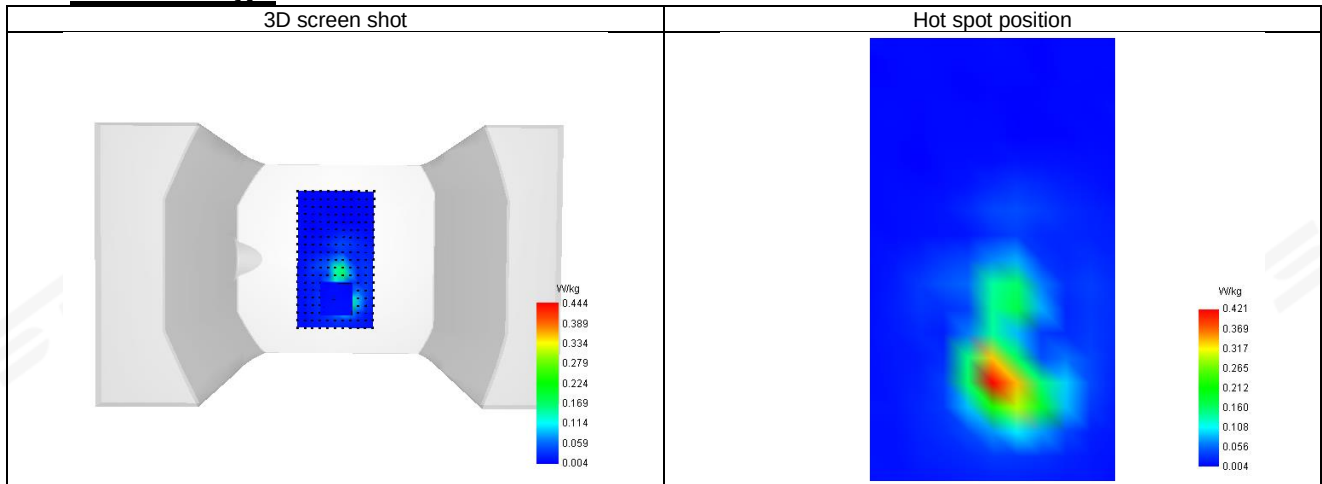
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.156     |
| SAR 1g (W/Kg)                                         | 0.392     |
| Horizontal validation criteria: minimum distance (mm) | 8.000000  |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 43.344451 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.818 | 0.444 | 0.192 | 0.114 | 0.059 | 0.031 | 0.016 |



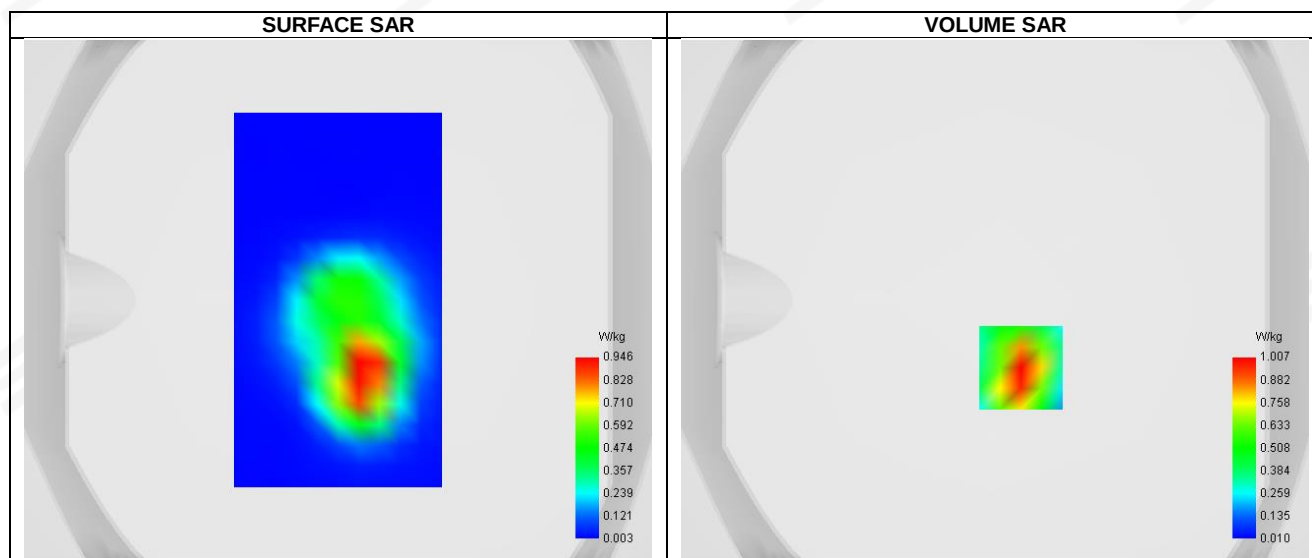
### F. 3D Image





Plot 10: DUT: GPS Tracker; EUT Model: TRKM2K-C

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Test Date                         | 2026-02-08                             |
| ConvF                             | 1.74                                   |
| Probe                             | SN 08/21 EPG0352                       |
| Area Scan                         | dx=8mm dy=8mm, Complete                |
| Zoom Scan                         | 5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Body                                   |
| Device Position                   | Front                                  |
| Band                              | LTE band 40                            |
| Signal                            | LTE (Crest factor: 1.0)                |
| Frequency (MHz)                   | 2395                                   |
| Relative permittivity (real part) | 40.31                                  |
| Conductivity (S/m)                | 1.74                                   |



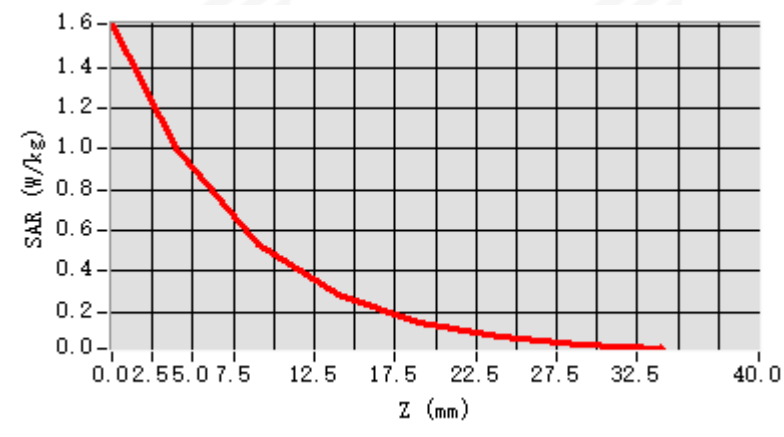
Maximum location: X=10.00, Y=-26.00 ; SAR Peak: 1.68 W/kg

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

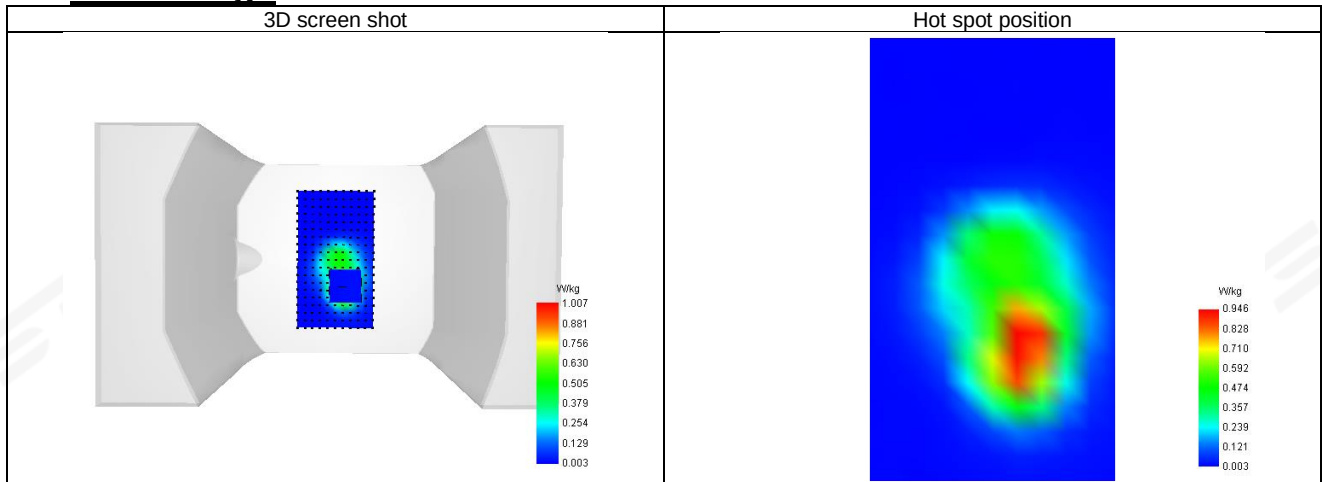
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.456     |
| SAR 1g (W/Kg)                                         | 0.946     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 53.210354 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 1.613 | 1.007 | 0.536 | 0.282 | 0.149 | 0.079 | 0.042 |



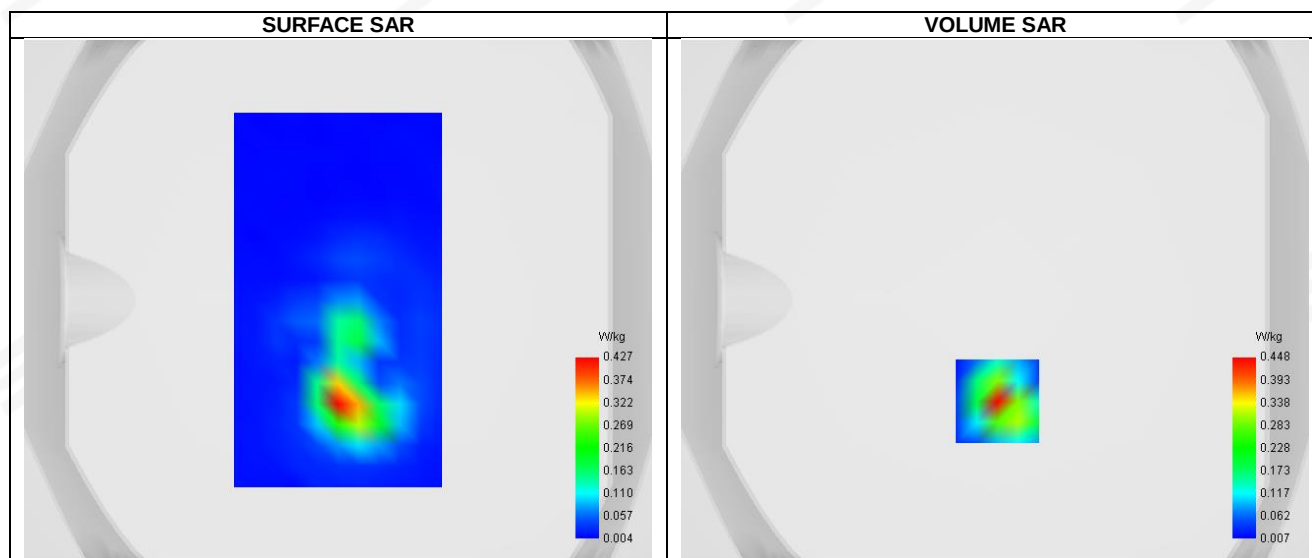
### F. 3D Image





Plot 11: DUT: GPS Tracker; EUT Model: TRKM2K-C

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Test Date                         | 2026-02-08                             |
| ConvF                             | 1.70                                   |
| Probe                             | SN 08/21 EPG0352                       |
| Area Scan                         | dx=8mm dy=8mm, Complete                |
| Zoom Scan                         | 5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Body                                   |
| Device Position                   | Front                                  |
| Band                              | LTE band 41                            |
| Signal                            | LTE (Crest factor: 1.0)                |
| Frequency (MHz)                   | 2680                                   |
| Relative permittivity (real part) | 38.59                                  |
| Conductivity (S/m)                | 2.05                                   |



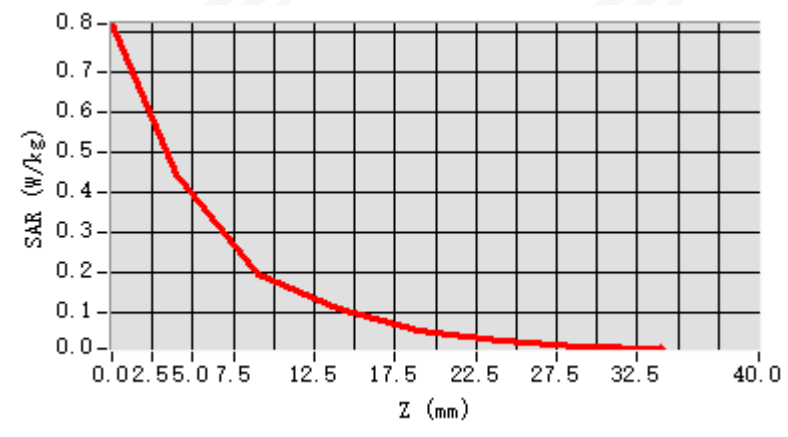
Maximum location: X=1.00, Y=-39.00 ; SAR Peak: 0.82 W/kg

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

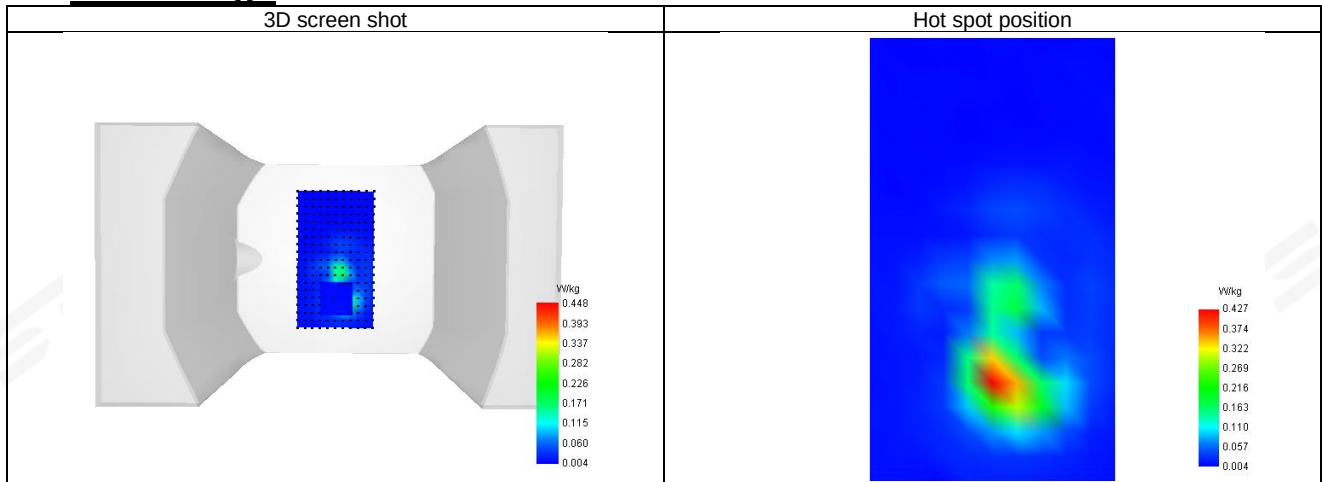
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.157     |
| SAR 1g (W/Kg)                                         | 0.383     |
| Horizontal validation criteria: minimum distance (mm) | 8.000000  |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 43.558469 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.822 | 0.448 | 0.195 | 0.111 | 0.057 | 0.029 | 0.015 |



### F. 3D Image





## Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※END OF THE REPORT※※※※