

# FCC SAR EVALUATION REPORT

**In accordance with the requirements of  
FCC 47 CFR Part 2(2.1093) and  
IEEE Std 1528-2013**

Product Name: Rugged Smartphone

Model No.: ROCK 1T

Serial Model: N/A

Brand Name: Blackview

Report No.: SZ26100067S01

FCC ID: 2BSW8-ROCK1T

**Prepared for**

HONG KONG LELEGAO TECHNOLOGY CO.,LIMITED

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## TEST RESULT CERTIFICATION

**Applicant's name**.....: HONG KONG LELEGAO TECHNOLOGY CO.,LIMITED  
Address.....: 19H Maxgrand Plaza, No.3 Tai Yau Street, San Po Kong,  
Kowloon, HongKong  
**Manufacturer's Name**.....: Shenzhen DOKE Electronic Co., Ltd  
Address.....: 801, Building3, 7th Industrial Zone, Yulv Community, Yutang  
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### Product description

Product name.....: Rugged Smartphone  
Trademark .....: Blackview  
Model and/or type reference .: ROCK 1T  
Serial Model.....: N/A  
FCC 47 CFR Part 2(2.1093)

**Standards**.....: IEEE Std 1528-2013

Published RF exposure KDB procedures

This device described above has been tested by Shenzhen Morlab Communications Technology Co., Ltd. In accordance with the measurement methods and procedures specified in IEEE Std 1528-2013 and KDB 865664 D01. Testing has shown that this device is capable of compliance with localized specific absorption rate (SAR) specified in FCC 47 CFR Part 2(2.1093). 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.

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Test Sample Number.....: SZ26100067-1#

### Date of Test

Date (s) of performance of tests.....: Sep. 11, 2026 ~ Sep. 27, 2026

Date of Issue.....: Oct. 15, 2026

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

**Reviewed by:** Pang Siyu **Approved by:** Shen Junsheng  
Pang Siyu Shen Junsheng

**※ ※ Revision History ※ ※**

| REV.    | DESCRIPTION                 | ISSUED DATE   | REMARK |
|---------|-----------------------------|---------------|--------|
| Rev.1.0 | Initial Test Report Release | Oct. 15, 2026 |        |
|         |                             |               |        |
|         |                             |               |        |
|         |                             |               |        |

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## 1. General Information

### 1.1. RF exposure limits

(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.

#### 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).

#### General Population/Uncontrolled Environments:

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

NOTE  
HEAD AND TRUNK LIMIT  
1.6 W/kg  
APPLIED TO THIS EUT

## 1.2. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing as follows.

| Band          | Max SAR Value Reported(W/kg)                |                                                       |                                              |
|---------------|---------------------------------------------|-------------------------------------------------------|----------------------------------------------|
|               | 1-g Head<br>(Separation<br>distance of 0mm) | 1-g Body & Hotspot<br>(Separation distance<br>of 5mm) | Max SAR Summation                            |
| GSM850        | 0.221                                       | 0.484                                                 | Head: 1.151<br>Body: 1.009<br>Hotspot: 1.009 |
| GSM1900       | 0.544                                       | 0.416                                                 |                                              |
| WCDMA Band II | 0.604                                       | 0.460                                                 |                                              |
| WCDMA Band VI | 0.422                                       | 0.495                                                 |                                              |
| WCDMA Band V  | 0.404                                       | 0.243                                                 |                                              |
| LTE band 2    | 0.519                                       | 0.453                                                 |                                              |
| LTE band 4    | 0.620                                       | 0.494                                                 |                                              |
| LTE band 5    | 0.365                                       | 0.464                                                 |                                              |
| LTE band 7    | 0.494                                       | 0.563                                                 |                                              |
| LTE band 12   | 0.411                                       | 0.542                                                 |                                              |
| LTE band 17   | 0.398                                       | 0.527                                                 |                                              |
| LTE band 41   | 0.482                                       | 0.397                                                 |                                              |
| LTE band 66   | 0.433                                       | 0.425                                                 |                                              |
| 2.4GHz WLAN   | 0.435                                       | 0.318                                                 |                                              |
| 5.2GHz WLAN   | 0.531                                       | 0.405                                                 |                                              |
| 5.8GHz WLAN   | 0.231                                       | 0.446                                                 |                                              |

NOTE: The Max SAR Summation is calculated based on the same configuration and test position.

This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg) specified in FCC 47 CFR Part 2(2.1093), and had been tested in accordance with the measurement methods and procedures specified in IEEE Std 1528-2013 & KDB 865664 D01.

### 1.3. EUT Description

| Device Information              |                                                                                                                 |           |           |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------|-----------|
| Product Name                    | Rugged Smartphone                                                                                               |           |           |
| Model Name                      | ROCK 1T                                                                                                         |           |           |
| Family Model                    | N/A                                                                                                             |           |           |
| Model Difference                | N/A                                                                                                             |           |           |
| Device Phase                    | Identical Prototype                                                                                             |           |           |
| Exposure Category               | General population / Uncontrolled environment                                                                   |           |           |
| Antenna Type                    | FPC Antenna                                                                                                     |           |           |
| Battery Information             | DC 3.85V from Rechargeable Li-ion battery                                                                       |           |           |
| Hardware Version:               | G2508T-UT                                                                                                       |           |           |
| Software Version:               | ROCK1T_NEU_G2508T                                                                                               |           |           |
| Device Operating Configurations |                                                                                                                 |           |           |
| Supporting Mode(s)              | GSM 850/1900, WCDMA Band 2/4/5, LTE Band 2/4/5/7/12/17/41/66, WLAN 2.4G/5G, Bluetooth, NFC                      |           |           |
| Test Modulation                 | GSM(GMSK/8PSK), WCDMA(QPSK), LTE(QPSK/16QAM), WLAN(DSSS/OFDM), Bluetooth(GFSK, $\pi/4$ -DQPSK, 8DPSK), NFC(ASK) |           |           |
| Device Class                    | B                                                                                                               |           |           |
| Operating Frequency Range(s)    | Band                                                                                                            | Tx (MHz)  | Rx (MHz)  |
|                                 | GSM 850                                                                                                         | 824-849   | 869-894   |
|                                 | GSM 1900                                                                                                        | 1850-1910 | 1930-1990 |
|                                 | WCDMA Band 2                                                                                                    | 1850-1910 | 1930-1990 |
|                                 | WCDMA Band 4                                                                                                    | 1710-1755 | 2110-2155 |
|                                 | WCDMA Band 5                                                                                                    | 824-849   | 869-894   |
|                                 | LTE Band 2                                                                                                      | 1850-1910 | 1930-1990 |
|                                 | LTE Band 4                                                                                                      | 1710-1755 | 2110-2155 |
|                                 | LTE Band 5                                                                                                      | 824-849   | 869-894   |
|                                 | LTE Band 7                                                                                                      | 2500-2570 | 2620-2690 |
|                                 | LTE Band 12                                                                                                     | 699-716   | 729-746   |
|                                 | LTE Band 17                                                                                                     | 704-716   | 734-746   |
|                                 | LTE Band 41                                                                                                     | 2555-2655 |           |
|                                 | LTE Band 66                                                                                                     | 1710-1780 | 2110-2200 |
|                                 | WLAN 2.4G                                                                                                       | 2412-2462 |           |
|                                 | WLAN 5.2G                                                                                                       | 5180-5240 |           |
|                                 | WLAN 5.8G                                                                                                       | 5745-5825 |           |
|                                 | Bluetooth                                                                                                       | 2402-2480 |           |
|                                 | NFC                                                                                                             | 13.56     |           |
| GPRS    Multislot               | Max Number of Timeslots in Uplink                                                                               |           | 4         |

|                           |                                                    |   |
|---------------------------|----------------------------------------------------|---|
| Class(12)                 | Max Number of Timeslots in Downlink                | 4 |
|                           | Max Total Timeslot                                 | 5 |
| EGPRS Multislot Class(12) | Max Number of Timeslots in Uplink                  | 4 |
|                           | Max Number of Timeslots in Downlink                | 4 |
|                           | Max Total Timeslot                                 | 5 |
| Power Class               | 4, tested with power level 5(GSM 850)              |   |
|                           | 1, tested with power level 0(GSM 1900)             |   |
|                           | 3, tested with power control "all 1"(WCDMA Band 2) |   |
|                           | 3, tested with power control "all 1"(WCDMA Band 4) |   |
|                           | 3, tested with power control "all 1"(WCDMA Band 5) |   |
|                           | 3, tested with power control all Max.(LTE Band 2)  |   |
|                           | 3, tested with power control all Max.(LTE Band 4)  |   |
|                           | 3, tested with power control all Max.(LTE Band 5)  |   |
|                           | 3, tested with power control all Max.(LTE Band 7)  |   |
|                           | 3, tested with power control all Max.(LTE Band 12) |   |
|                           | 3, tested with power control all Max.(LTE Band 17) |   |
|                           | 3, tested with power control all Max.(LTE Band 41) |   |
|                           | 3, tested with power control all Max.(LTE Band 66) |   |

#### 1.4. Test specification(s)

|                                                        |
|--------------------------------------------------------|
| FCC 47 CFR Part 2(2.1093)                              |
| IEEE Std 1528-2013                                     |
| KDB 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04 |
| KDB 865664 D02 RF Exposure Reporting v01r02            |
| KDB 447498 D01 General RF Exposure Guidance v06        |
| KDB 248227 D01 802.11 Wi-Fi SAR v02r02                 |
| KDB 941225 D01 3G SAR Procedures v03r01                |
| KDB 941225 D05 SAR for LTE Devices v02r05              |
| KDB 941225 D06 Hotspot SAR v02r01                      |
| KDB 648474 D04 Handset SAR v01r03                      |

#### 1.5. Ambient Condition

|                     |             |
|---------------------|-------------|
| Ambient temperature | 20°C – 24°C |
| Relative Humidity   | 30% – 70%   |

#### 1.6. Test Facility

##### Test Laboratory:

Shenzhen Morlab Communications Technology Co., Ltd.

FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District,  
ShenZhen, GuangDong Province, P. R. China

The test facility is recognized, certified or accredited by the following organizations:

FCC-Registration No.: 226174 Designation Number: CN1192

Shenzhen Morlab Communications Technology Co., Ltd. has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

IC —CAB identifier: CN0062

The 3m Semi-anechoic chamber of Shenzhen Morlab Communications Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 7183A

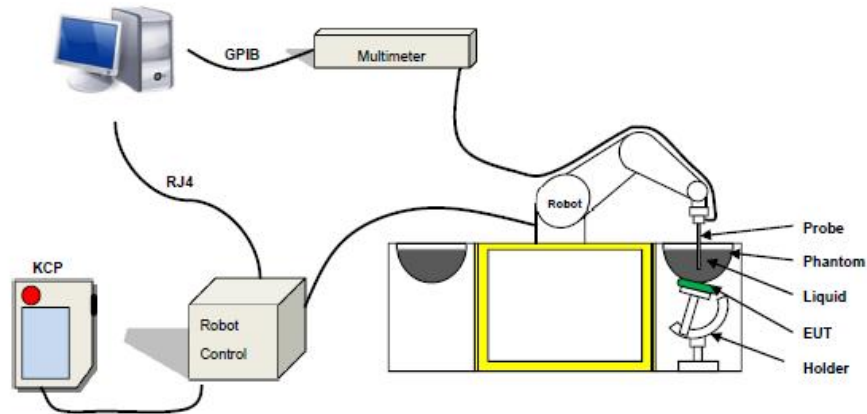
A2LA-Lab Cert. No.: 4267.01

Shenzhen Morlab Communications Technology Co., Ltd. has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2017

General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

## 2. SAR Measurement System

### 2.1. SATIMO SAR Measurement Set-up Diagram



These measurements were performed with the automated near-field scanning system OPENSAR from SATIMO. The system is based on a high precision robot (working range: 901 mm), which positions the probes with a positional repeatability of better than  $\pm 0.03$  mm. The SAR measurements were conducted with dosimetric probe (manufactured by SATIMO), designed in the classical triangular configuration and optimized for dosimetric evaluation.

The first step of the field measurement is the evaluation of the voltages induced on the probe by the device under test. Probe diode detectors are nonlinear. Below the diode compression point, the output voltage is proportional to the square of the applied E-field; above the diode compression point, it is linear to the applied E-field. The compression point depends on the diode, and a calibration procedure is necessary for each sensor of the probe.

The Keithley multimeter reads the voltage of each sensor and send these three values to the PC. The corresponding E field value is calculated using the probe calibration factors, which are stored in the working directory. This evaluation includes linearization of the diode characteristics. The field calculation is done separately for each sensor. Each component of the E field is displayed on the "Dipole Area Scan Interface" and the total E field is displayed on the "3D Interface"

## 2.2. Robot

The SATIMO SAR system uses the high precision robots from KUKA. For the 6-axis controller system, the robot controller version (KUKA) from KUKA is used. The KUKA robot series have many features that are important for our application:



- High precision (repeatability  $\pm 0.03$  mm)
- High reliability (industrial design)
- Jerk-free straight movements
- Low ELF interference (the closed metallic construction shields against motor control fields)

### 2.3. Probe

This E-field detection probe is composed of three orthogonal dipoles linked to special Schottky diodes with low detection thresholds. The probe allows the measurement of electric fields in liquids such as the one defined in the IEEE and CENELEC standards.

For the measurements the Specific Dosimetric E-Field Probe 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 7.5 GHz for head & body simulating liquid.
- Angle between probe axis (evaluation axis) and surface normal line: less than 30°

#### 2.3.1. E-Field Probe Calibration

Each probe needs to be calibrated according to a dosimetric assessment procedure with accuracy better than  $\pm 10\%$ . The spherical isotropy shall be evaluated and within  $\pm 0.25\text{dB}$ . The sensitivity parameters (Norm X, Norm Y, and Norm Z), the diode compression parameter (DCP) and the conversion factor (Conv F) of the probe are tested. The calibration data can be referred to appendix D of this report.

## 2.4. Phantoms

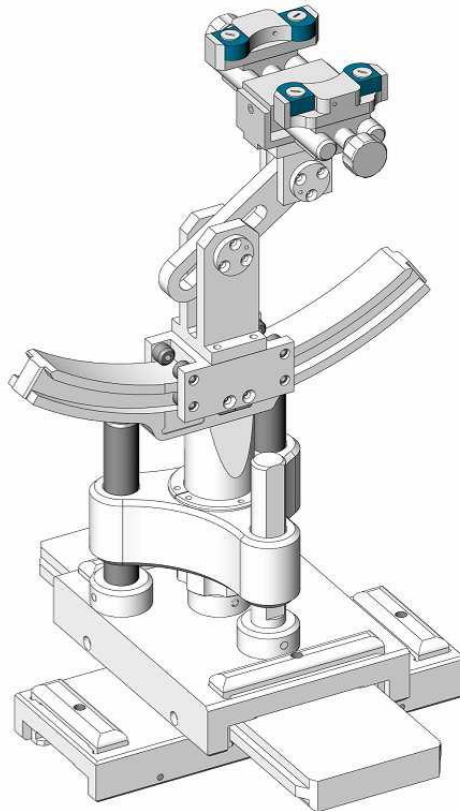
For the measurements the Specific Anthropomorphic Mannequin (SAM) defined by the IEEE SCC-34/SC2 group is used. The phantom is a polyurethane shell integrated in a wooden table. The thickness of the phantom amounts to 2mm +/- 0.2mm. It enables the dosimetric evaluation of left and right phone usage and 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.



SAM

The test, based on ultrasonic system, allows measuring the thickness with an accuracy of 10  $\mu\text{m}$ .

## 2.6. 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.

## 2.7. Test Equipment List

This table gives a complete overview of the SAR measurement equipment.

| 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              |
| E-Field Probe                   | MVG          | SSE2              | SN 37/08 EP80         | 2026.07.05       | 2027.07.04       |
| E-Field Probe                   | MVG          | SSE2              | SN 27/13 EPG193       | 2026.07.05       | 2027.07.04       |
| 750MHz Dipole                   | MVG          | SID750            | SN 30/13 DIP0G750-259 | 2026.07.05       | 2027.07.04       |
| 900MHz Dipole                   | MVG          | SID900            | SN 36/08 DIPD100      | 2026.07.05       | 2029.07.04       |
| 1800MHz Dipole                  | MVG          | SID1800           | SN 36/08 DIPF101      | 2026.07.05       | 2029.07.04       |
| 1900MHz Dipole                  | SATIMO       | SID1900           | SN 30/13 DIP1G900-261 | 2026.07.05       | 2029.07.04       |
| 2450MHz Dipole                  | MVG          | SID2450           | SN 30/13 DIP2G450-263 | 2026.07.05       | 2029.07.04       |
| 2600MHz Dipole                  | MVG          | SID2600           | SN 30/13 DIP2G600-265 | 2026.07.05       | 2027.07.04       |
| Waveguide                       | MVG          | SWG5500           | SN 41/12 WGA21        | 2026.07.05       | 2029.07.04       |
| Dielectric Probe Kit            | MVG          | SCLMP             | SN 32/14 OCPG67       | 2026.07.05       | 2027.07.04       |
| 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             | 2026.02.04       | 2027.02.03       |
| Directional coupler             | Xi'an Xingbo | XBOH-OA08-20dB    | 211123-4-3            | 2026.02.03       | 2027.02.02       |
| Network Analyzer                | Agilent      | E5071C            | MY46520378            | 2026.08.25       | 2027.08.24       |
| Multi Meter                     | Keithley     | Multi Meter 2000  | 4050073               | 2026.08.25       | 2027.08.24       |
| Signal Generator                | Agilent      | N5182A            | MY50140530            | 2026.08.25       | 2027.08.24       |
| Wireless Communication Test Set | Agilent      | 8960-E5515C       | MY48360751            | 2026.02.04       | 2027.02.03       |
| Wireless Communication Test Set | R&S          | CMW500            | 156324                | 2026.08.25       | 2027.08.24       |
| Power Amplifier                 | DESAY        | WCS-DLNA50M8G50G1 | CSKJLNA231227A        | 2026.08.25       | 2027.08.24       |
| Power Meter                     | R&S          | NRP               | 100510                | 2026.08.25       | 2027.08.24       |
| Power Sensor                    | R&S          | NRP-Z11           | 101919                | 2026.08.25       | 2027.08.24       |
| Power Sensor                    | Keysight     | U2021XA           | MY56280002            | 2026.08.25       | 2027.08.24       |
| Temperature hygrometer          | TOPRIE       | TP502V4-P         | 6700000124198         | 2026.08.25       | 2027.08.24       |
| Thermograph                     | Elitech      | RC-4              | S/N EF7176501537      | 2026.08.25       | 2027.08.24       |
| MCL                             | Attenuation  | 6dB               | 351-218-010           | 2026.02.04       | 2027.02.03       |
| MCL                             | Attenuation  | 6dB               | 351-218-011           | 2026.02.04       | 2027.02.03       |
| MCL                             | Attenuation  | 6dB               | 351-218-012           | 2026.02.04       | 2027.02.03       |

### 3. SAR Measurement Procedures

The measurement procedures are as follows:

#### <Conducted power measurement>

- (a) For WWAN power measurement, use base station simulator to configure EUT WWAN transmission in conducted connection with RF cable, at maximum power in each supported wireless interface and frequency band.
- (b) Read the WWAN RF power level from the base station simulator.
- (c) For Wi-Fi/BT power measurement, use engineering software to configure EUT Wi-Fi/BT continuously transmission, at maximum RF power in each supported wireless interface and frequency band.
- (d) Connect EUT RF port through RF cable to the power meter, and measure Wi-Fi/BT output power.

#### <SAR measurement>

- (a) Use base station simulator to configure EUT WWAN transmission in radiated connection, and engineering software to configure EUT Wi-Fi/BT continuously transmission, at maximum RF power, in the highest power channel.
- (b) Place the EUT in the positions as Appendix A demonstrates.
- (c) Set scan area, grid size and other setting on the OPENSAR software.
- (d) Measure SAR results for the highest power channel on each testing position.
- (e) Find out the largest SAR result on these testing positions of each band.
- (f) Measure SAR results for other channels in worst SAR testing position if the reported SAR of highest power channel is larger than 0.8 W/kg.

According to the test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

- (a) Power reference measurement
- (b) Area scan
- (c) Zoom scan
- (d) Power drift measurement

#### 3.1. Power Reference

The Power Reference Measurement and Power Drift Measurements are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

#### 3.2. Area scan & Zoom scan

The area scan is a 2D scan to find the hot spot location on the DUT. The zoom scan is a 3D scan above the hot spot to calculate the 1g and 10g SAR value.

Measurement of the SAR distribution with a grid of 8 to 16 mm \* 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.

From the scanned SAR distribution, identify the position of the maximum SAR value, in addition identify the positions of any local maxima with SAR values within 2 dB of the maximum value that will not be within the zoom scan of other peaks; additional peaks shall be measured only when the primary peak is within 2 dB of the SAR compliance limit (e.g., 1 W/kg for 1,6 W/kg 1 g limit, or 1,26 W/kg for 2 W/kg, 10 g limit).

Area scan & Zoom scan scan parameters extracted from FCC KDB 865664 D01 SAR measurement 100 MHz to 6 GHz.

|                                                                                                                                                                                                                                                                                                                                               |                                           |                                                                                             | $\leq 3 \text{ GHz}$                                                                                                                                                                                                                                                   | $> 3 \text{ GHz}$                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface                                                                                                                                                                                                                                        |                                           |                                                                                             | $5 \pm 1 \text{ mm}$                                                                                                                                                                                                                                                   | $\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5 \text{ mm}$                                                                    |
| Maximum probe angle from probe axis to phantom surface normal at the measurement location                                                                                                                                                                                                                                                     |                                           |                                                                                             | $30^\circ \pm 1^\circ$                                                                                                                                                                                                                                                 | $20^\circ \pm 1^\circ$                                                                                                        |
| Maximum area scan spatial resolution: $\Delta x_{\text{Area}}, \Delta y_{\text{Area}}$                                                                                                                                                                                                                                                        |                                           |                                                                                             | $\leq 2 \text{ GHz}: \leq 15 \text{ mm}$<br>$2 - 3 \text{ GHz}: \leq 12 \text{ mm}$                                                                                                                                                                                    | $3 - 4 \text{ GHz}: \leq 12 \text{ mm}$<br>$4 - 6 \text{ GHz}: \leq 10 \text{ mm}$                                            |
|                                                                                                                                                                                                                                                                                                                                               |                                           |                                                                                             | When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device. |                                                                                                                               |
| Maximum zoom scan spatial resolution: $\Delta x_{\text{Zoom}}, \Delta y_{\text{Zoom}}$                                                                                                                                                                                                                                                        |                                           |                                                                                             | $\leq 2 \text{ GHz}: \leq 8 \text{ mm}$<br>$2 - 3 \text{ GHz}: \leq 5 \text{ mm}^*$                                                                                                                                                                                    | $3 - 4 \text{ GHz}: \leq 5 \text{ mm}^*$<br>$4 - 6 \text{ GHz}: \leq 4 \text{ mm}^*$                                          |
| Maximum zoom scan spatial resolution, normal to phantom surface                                                                                                                                                                                                                                                                               | uniform grid: $\Delta z_{\text{Zoom}}(n)$ |                                                                                             | $\leq 5 \text{ mm}$                                                                                                                                                                                                                                                    | $3 - 4 \text{ GHz}: \leq 4 \text{ mm}$<br>$4 - 5 \text{ GHz}: \leq 3 \text{ mm}$<br>$5 - 6 \text{ GHz}: \leq 2 \text{ mm}$    |
|                                                                                                                                                                                                                                                                                                                                               | graded grid                               | $\Delta z_{\text{Zoom}}(1)$ : between 1 <sup>st</sup> two points closest to phantom surface | $\leq 4 \text{ mm}$                                                                                                                                                                                                                                                    | $3 - 4 \text{ GHz}: \leq 3 \text{ mm}$<br>$4 - 5 \text{ GHz}: \leq 2.5 \text{ mm}$<br>$5 - 6 \text{ GHz}: \leq 2 \text{ mm}$  |
|                                                                                                                                                                                                                                                                                                                                               |                                           | $\Delta z_{\text{Zoom}}(n>1)$ : between subsequent points                                   | $\leq 1.5 \cdot \Delta z_{\text{Zoom}}(n-1)$                                                                                                                                                                                                                           |                                                                                                                               |
| Minimum zoom scan volume                                                                                                                                                                                                                                                                                                                      | x, y, z                                   |                                                                                             | $\geq 30 \text{ mm}$                                                                                                                                                                                                                                                   | $3 - 4 \text{ GHz}: \geq 28 \text{ mm}$<br>$4 - 5 \text{ GHz}: \geq 25 \text{ mm}$<br>$5 - 6 \text{ GHz}: \geq 22 \text{ mm}$ |
| Note: $\delta$ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.                                                                                                                                                                                             |                                           |                                                                                             |                                                                                                                                                                                                                                                                        |                                                                                                                               |
| * When zoom scan is required and the <u>reported</u> SAR from the <u>area scan based 1-g SAR estimation</u> procedures of KDB 447498 is $\leq 1.4 \text{ W/kg}$ , $\leq 8 \text{ mm}$ , $\leq 7 \text{ mm}$ and $\leq 5 \text{ mm}$ zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz. |                                           |                                                                                             |                                                                                                                                                                                                                                                                        |                                                                                                                               |

### **3.3. Description of interpolation/extrapolation scheme**

The local SAR inside the phantom is measured using small dipole sensing elements inside a probe body. The probe tip must not be in contact with the phantom surface in order to minimise measurements errors, but the highest local SAR will occur at the surface of the phantom.

An extrapolation is using to determinate this highest local SAR values. The extrapolation is based on a fourth-order least-square polynomial fit of measured data. The local SAR value is then extrapolated from the liquid surface with a 1 mm step.

The measurements have to be performed over a limited time (due to the duration of the battery) so the step of measurement is high. It could vary between 5 and 8 mm. To obtain an accurate assessment of the maximum SAR averaged over 10 grams and 1 gram requires a very fine resolution in the three dimensional scanned data array.

### **3.4. Volumetric Scan**

The volumetric scan consists to a full 3D scan over a specific area. This 3D scan is useful form multi Tx SAR measurement. Indeed, it is possible with OpenSAR to add, point by point, several volumetric scan to calculate the SAR value of the combined measurement as it is define in the standard IEEE1528 and IEC62209.

### **3.5. Power Drift**

All SAR testing is under the EUT install full charged battery and transmit maximum output power. In OpenSAR measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in V/m. If the power drifts more than  $\pm 5\%$ , the SAR will be retested.

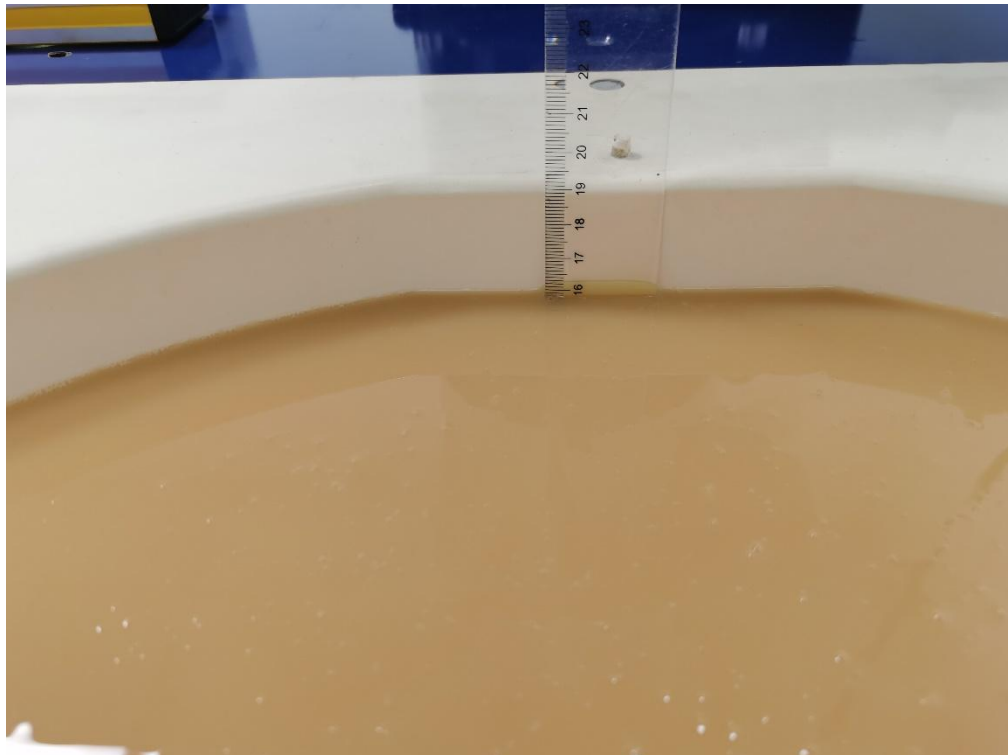
## 4. System Verification Procedure

### 4.1. Tissue Verification

The following tissue formulations are provided for reference only as some of the parameters have not been thoroughly verified. The composition of ingredients may be modified accordingly to achieve the desired target tissue parameters required for routine SAR evaluation.

| Ingredients (% of weight) | Head Tissue |       |       |       |       |       |       |       |       |       |
|---------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                           | 750         | 835   | 900   | 1800  | 1900  | 2000  | 2450  | 2600  | 5200  | 5800  |
| Frequency Band (MHz)      | 750         | 835   | 900   | 1800  | 1900  | 2000  | 2450  | 2600  | 5200  | 5800  |
| Water                     | 34.40       | 34.40 | 34.40 | 55.36 | 55.36 | 57.87 | 57.87 | 57.87 | 65.53 | 65.53 |
| NaCl                      | 0.79        | 0.79  | 0.79  | 0.35  | 0.35  | 0.16  | 0.16  | 0.16  | 0.00  | 0.00  |
| 1,2-Propanediol           | 64.81       | 64.81 | 64.81 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Triton X-100              | 0.00        | 0.00  | 0.00  | 30.45 | 30.45 | 19.97 | 19.97 | 19.97 | 24.24 | 24.24 |
| DGBE                      | 0.00        | 0.00  | 0.00  | 13.84 | 13.84 | 22.00 | 22.00 | 22.00 | 10.23 | 10.23 |

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15 cm. For head SAR testing, the liquid depth from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm.



#### 4.1.1. Tissue Dielectric Parameter Check Results

The simulating liquids should be checked at the beginning of a series of SAR measurements to determine of the dielectric parameter are within the tolerances of the specified target values. The measured conductivity and relative permittivity should be within  $\pm 5\%$  of the target values.

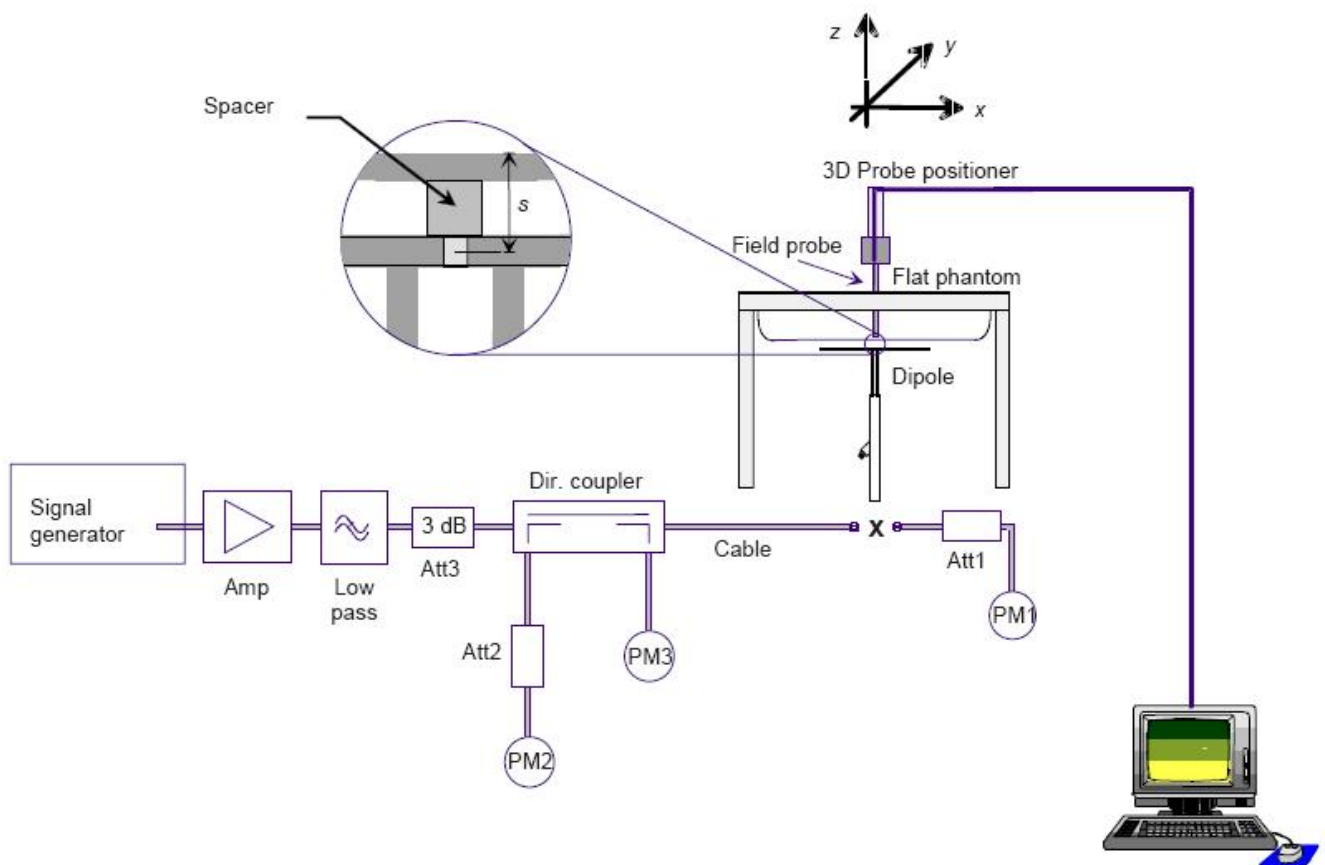
| Tissue Type | Measured Frequency (MHz) | Target Tissue          |                                  | Measured Tissue |                        | Liquid Temp. | Test Date      |
|-------------|--------------------------|------------------------|----------------------------------|-----------------|------------------------|--------------|----------------|
|             |                          | $\epsilon_r (\pm 5\%)$ | $\sigma \text{ (S/m)} (\pm 5\%)$ | $\epsilon_r$    | $\sigma \text{ (S/m)}$ |              |                |
| Head 750    | 750                      | 41.96<br>(39.86~44.06) | 0.89<br>(0.85~0.93)              | 41.90           | 0.89                   | 21.0 °C      | Setp. 11, 2026 |
| Head 900    | 900                      | 41.50<br>(39.43~43.58) | 0.97<br>(0.92~1.02)              | 40.94           | 0.96                   | 21.6 °C      | Setp. 12, 2026 |
| Head 1800   | 1800                     | 40.00<br>(38.00~42.00) | 1.40<br>(1.33~1.47)              | 41.52           | 1.40                   | 21.9 °C      | Setp. 13, 2026 |
| Head 1900   | 1900                     | 40.00<br>(38.00~42.00) | 1.40<br>(1.33~1.47)              | 41.27           | 1.34                   | 21.3 °C      | Setp. 17, 2026 |
| Head 2450   | 2450                     | 39.20<br>(37.24~41.16) | 1.80<br>(1.71~1.89)              | 41.04           | 1.80                   | 21.1 °C      | Setp. 18, 2026 |
| Head 2600   | 2600                     | 39.01<br>(37.06~40.96) | 1.96<br>(1.86~2.06)              | 39.00           | 1.96                   | 21.8 °C      | Setp. 19, 2026 |
| Head 5200   | 5200                     | 36.00<br>(34.20~37.80) | 4.66<br>(4.43~4.89)              | 36.00           | 4.66                   | 21.5 °C      | Setp. 20, 2026 |
| Head 5800   | 5800                     | 35.30<br>(33.54~37.07) | 5.27<br>(5.01~5.53)              | 35.30           | 5.27                   | 21.2 °C      | Setp. 27, 2026 |

NOTE: The dielectric parameters of the tissue-equivalent liquid should be measured under similar ambient conditions and within 2 °C of the conditions expected during the SAR evaluation to satisfy protocol requirements.

## 4.2. System Verification Procedure

The system verification is performed for verifying the accuracy of the complete measurement system and performance of the software. The dipole is connected to the signal source consisting of signal generator and amplifier via a directional coupler, N-connector cable and adaption to SMA. It is fed with a power of 100mW (below 5GHz) or 50mW (above 5GHz). To adjust this power a power meter is used. The power sensor is connected to the cable before the system verification to measure the power at this point and do adjustments at the signal generator. At the outputs of the directional coupler both return loss as well as forward power are controlled during the system verification to make sure that emitted power at the dipole is kept constant. This can also be checked by the power drift measurement after the test (result on plot).

The system verification is shown as below picture:



#### 4.2.1. System Verification Results

Comparing to the original SAR value provided by SATIMO, the verification data should be within its specification of  $\pm 10\%$ . Below table shows the target SAR and measured SAR after normalized to 1W input power. The table below indicates the system performance verification can meet the variation criterion and the plots can be referred to Appendix B of this report.

| System Verification | Power fed to reference dipole (mW) | Measured SAR Value |             | Measured SAR (Normalized to 1W) |             | Target SAR Value (1W) |             | Deviation (%) |             | Test Date      |
|---------------------|------------------------------------|--------------------|-------------|---------------------------------|-------------|-----------------------|-------------|---------------|-------------|----------------|
|                     |                                    | 1-g (W/Kg)         | 10-g (W/Kg) | 1-g (W/Kg)                      | 10-g (W/Kg) | 1-g (W/Kg)            | 10-g (W/Kg) | 1-g (W/Kg)    | 10-g (W/Kg) |                |
| 750MHz              | 100                                | 0.838              | 0.541       | 8.38                            | 5.41        | 8.41                  | 5.52        | -0.36%        | -1.99%      | Setp. 11, 2026 |
| 900MHz              | 100                                | 1.124              | 0.725       | 11.24                           | 7.25        | 11.16                 | 7.01        | 0.72%         | 3.42%       | Setp. 12, 2026 |
| 1800MHz             | 100                                | 3.832              | 2.025       | 38.32                           | 20.25       | 37.05                 | 19.85       | 3.43%         | 1.05%       | Setp. 13, 2026 |
| 1900MHz             | 100                                | 4.055              | 2.057       | 40.55                           | 20.57       | 39.36                 | 20.04       | 3.02%         | 2.64%       | Setp. 17, 2026 |
| 2450MHz             | 100                                | 5.181              | 2.362       | 51.84                           | 23.62       | 53.34                 | 24.22       | -2.87%        | -2.48%      | Setp. 18, 2026 |
| 2600MHz             | 100                                | 5.636              | 2.523       | 56.36                           | 25.23       | 56.94                 | 25.06       | -6.28%        | 0.68%       | Setp. 19, 2026 |
| 5200MHz             | 50                                 | 3.678              | 1.203       | 73.56                           | 24.06       | 77.82                 | 22.53       | -5.47%        | 6.79%       | Setp. 20, 2026 |
| 5800MHz             | 50                                 | 4.106              | 1.206       | 82.11                           | 24.12       | 78.72                 | 22.83       | 4.31%         | 5.65%       | Setp. 27, 2026 |

## 5. SAR measurement variability

Per KDB865664 D01 SAR measurement 100 MHz to 6 GHz, SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. The additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

1) Repeated measurement is not required when the original highest measured SAR is  $< 0.80$  W/kg; steps 2) through 4) do not apply.

2) When the original highest measured SAR is  $\geq 0.80$  W/kg, repeat that measurement once.

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  $\geq 1.45$  W/kg (~ 10% from the 1-g SAR limit).

4) Perform a third repeated measurement only if the original, first or second repeated measurement is  $\geq 1.5$  W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is  $> 1.20$ .

## 6. SAR Measurement Uncertainty

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .

| Symbol                                                       | Uncertainty Component                                                    | Prob. Dist.   | Unc. $a(x_i)$ | Div. $q_i$ | $u(x_i) = a(x_i)/q_i$ | $C_i$                  | $u(y) = C_i * u(x_i)$ | $v_i$    |
|--------------------------------------------------------------|--------------------------------------------------------------------------|---------------|---------------|------------|-----------------------|------------------------|-----------------------|----------|
| <b>Measurement system errors</b>                             |                                                                          |               |               |            |                       |                        |                       |          |
| CF                                                           | Probe calibration                                                        | N ( $k = 2$ ) | 5.72          | 2          | 2.86                  | 1                      | 2.86                  | $\infty$ |
| CF <sub>drift</sub>                                          | Probe calibration drift                                                  | R             | 0.15          | $\sqrt{3}$ | 0.09                  | 1                      | 0.09                  | $\infty$ |
| LIN                                                          | Probe linearity and detection limit                                      | R             | 1.27          | $\sqrt{3}$ | 0.73                  | 1                      | 0.73                  | $\infty$ |
| BBS                                                          | Broadband signal                                                         | R             | 0.12          | $\sqrt{3}$ | 0.07                  | 1                      | 0.07                  | $\infty$ |
| ISO                                                          | Probe isotropy                                                           | R             | 0.16          | $\sqrt{3}$ | 0.09                  | 1                      | 0.09                  | $\infty$ |
| DAE                                                          | Other probe and data acquisition errors                                  | N             | 2.4           | 1          | 2.40                  | 1                      | 2.40                  | $\infty$ |
| AMB                                                          | RF ambient and noise                                                     | N             | 3.51          | 1          | 3.51                  | 1                      | 3.51                  | $\infty$ |
| $\Delta_{xyz}$                                               | Probe positioning errors                                                 | N             | 1.2           | 1          | 1.20                  | 2/5                    | 1.20                  |          |
| DAT                                                          | Data processing errors                                                   | N             | 2.1           | 1          | 2.10                  | 1                      | 2.10                  | $\infty$ |
| <b>Phantom and device (DUT or validation antenna) errors</b> |                                                                          |               |               |            |                       |                        |                       |          |
| LIQ( $\sigma$ )                                              | Measurement of phantom conductivity( $\sigma$ )                          | N             | 4.1           | 1          | 4.1                   | $C_\epsilon, C_\sigma$ | 4.10                  | $\infty$ |
| LIQ( $T_c$ )                                                 | Temperature effects (medium)                                             | R             | 2.7           | $\sqrt{3}$ | 1.56                  | $C_\epsilon, C_\sigma$ | 1.56                  | $\infty$ |
| EPS                                                          | Shell permittivity                                                       | R             | 2.1           | $\sqrt{3}$ | 1.21                  | See 8.4.2.3            | 0.30                  | $\infty$ |
| DIS                                                          | Distance between the radiating element of the DUT and the phantom medium | N             | 0.7           | 1          | 0.7                   | 2                      | 1.40                  | $\infty$ |
| $D_{xyz}$                                                    | Repeatability of positioning the DUT or source against the phantom       | N             | 1.2           | 1          | 1.2                   | 1                      | 1.20                  | 5        |
| H                                                            | Device holder effects                                                    | N             | 3.8           | 1          | 3.8                   | 1                      | 3.80                  |          |
| MOD                                                          | Effect of operating mode on probe sensitivity                            | R             | 3.42          | $\sqrt{3}$ | 1.97                  | 1                      | 1.97                  | $\infty$ |
| TAS                                                          | Time-average SAR                                                         | R             | 1.8           | $\sqrt{3}$ | 1.04                  | 1                      | 1.04                  | $\infty$ |
| RF <sub>drift</sub>                                          | Variation in SAR due to drift in output of DUT                           | N             | 4.5           | 1          | 4.5                   | 1                      | 4.50                  |          |
| VAL                                                          | Validation antenna uncertainty (validation measurement only)             | N             | 1.4           | 1          | 1.4                   | 1                      | 1.40                  |          |
| $P_{in}$                                                     | Uncertainty in accepted power (validation measurement only)              | N             | 2.4           | 1          | 2.4                   | 1                      | 2.40                  |          |
| <b>Corrections to the SAR result (if applied)</b>            |                                                                          |               |               |            |                       |                        |                       |          |
| $C(\epsilon', \sigma)$                                       | Phantom deviation from target ( $\epsilon', \sigma$ )                    | N             | 3.7           | 1          | 3.7                   | 1                      | 3.70                  |          |
| $C(R)$                                                       | SAR scaling                                                              | R             | 1.8           | $\sqrt{3}$ | 1.04                  | 1                      | 1.04                  |          |
| $u(\Delta SAR)$                                              | Combined uncertainty                                                     |               |               |            |                       |                        | 10.84                 |          |
| U                                                            | Expanded uncertainty and effective degrees of freedom                    |               |               |            |                       | U =                    | 21.68                 |          |

## 7. RF Exposure Positions

### 7.1. Ear and handset reference point

Figure 7.1.1 shows the front, back, and side views of the SAM phantom. The center-of-mouth reference point is labeled “M”, the left ear reference point (ERP) is marked “LE”, and the right ERP is marked “RE”.



Fig 7.1.1 Front, back, and side views of SAM phantom

### 7.2. Definition of the cheek position

1. Define two imaginary lines on the handset, the vertical centerline and the horizontal line. The vertical centerline passes through two points on the front side of the handset: the midpoint of the width  $w_t$  of the handset at the level of the acoustic output (point A in Figure 7.2.1 and Figure 7.2.2), and the midpoint of the width  $w_b$  of the bottom of the handset (point B). The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output (see Figure 7.2.1). The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical centerline is not necessarily parallel to the front face of the handset (see Figure 7.2.2), especially for clamshell handsets, handsets with flip covers, and other irregularly-shaped handsets.
2. Position the handset close to the surface of the phantom such that point A is on the (virtual) extension of the line passing through points RE and LE on the phantom (see Figure 7.2.3), such that the plane defined by the vertical centerline and the horizontal line of the handset is approximately parallel to the sagittal plane of the phantom.
3. Translate the handset towards the phantom along the line passing through RE and LE until handset point A touches the pinna at the ERP
4. While maintaining the handset in this plane, rotate it around the LE-RE line until the vertical centerline is in the plane normal to the plane containing B-M and N-F lines, i.e., the Reference Plane.
5. Rotate the handset around the vertical centerline until the handset (horizontal line) is parallel to the N-F line.
6. While maintaining the vertical centerline in the Reference Plane, keeping point A on the line

passing through RE and LE, and maintaining the handset contact with the pinna, rotate the handset about the N-F line until any point on the handset is in contact with a phantom point below the pinna on the cheek. See Figure 7.2.3. The actual rotation angles should be documented in the test report.

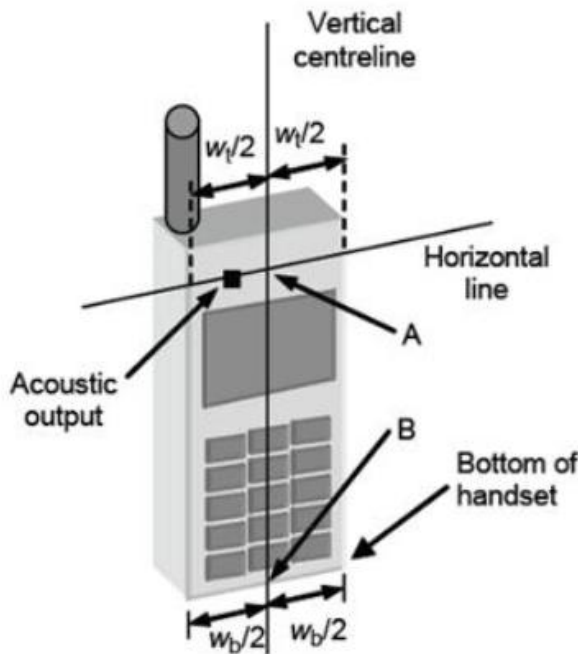


Fig 7.2.1 Handset vertical and horizontal reference lines—fixed case

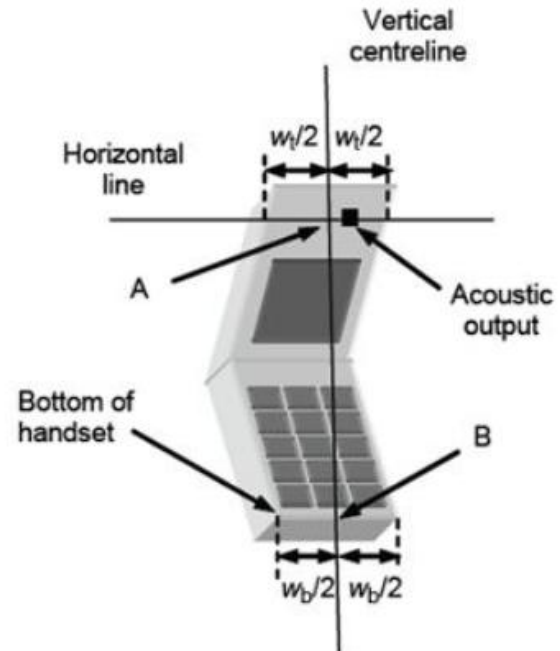


Fig 7.2.2 Handset vertical and horizontal reference lines—“clam-shell case”

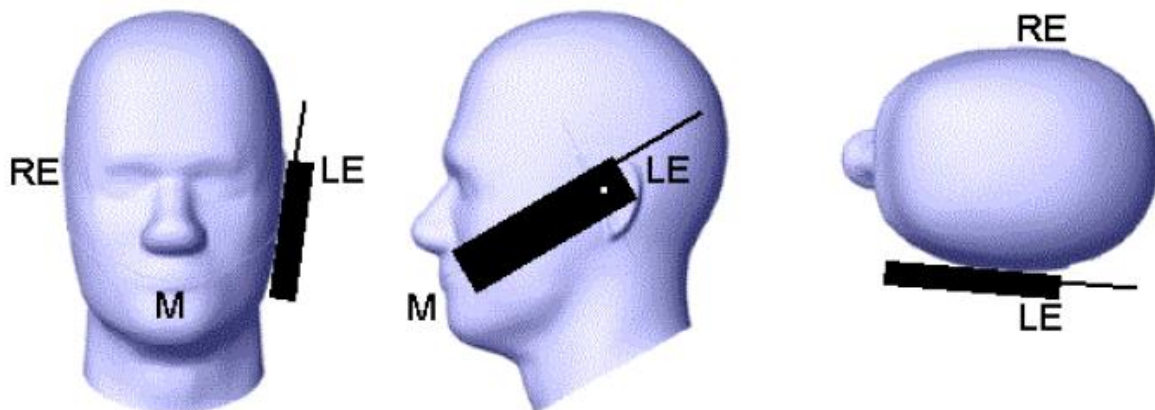


Fig 7.2.3 cheek or touch position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which establish the Reference Plane for handset positioning, are indicated.

### 7.3. Definition of the tilt position

1. While maintaining the orientation of the handset, retract the handset parallel to the reference plane far enough away from the phantom to enable a rotation of the device by 15 degree.
2. Rotate the Handset around the horizontal line by 15 degree (see Figure 7.3.1).
3. While maintaining the orientation of the handset, move the handset towards the phantom on a line passing through RE and LE until any part of the handset touches the ear. The tilt position is obtained when the contact is on the pinna. If the contact is at any location other than the pinna, e.g., the antenna with the back of the phantom head, the angle of the handset shall be reduced. In this case, the tilt position is obtained if any part of the handset is in contact with the pinna as well as a second part of the handset is in contact with the phantom, e.g., the antenna with the back of the head.

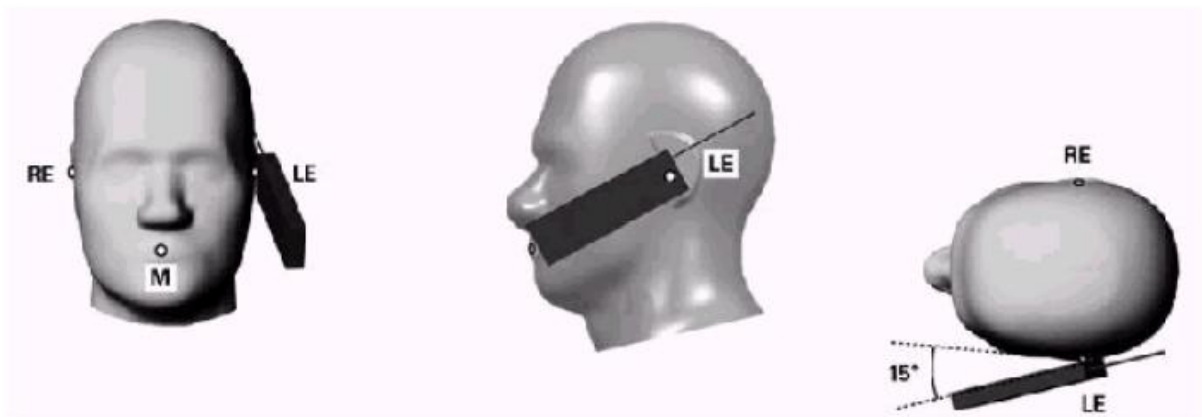


Figure 7.3.1 – Tilt position of the wireless device on the left side of SAM

### 7.4. Body Worn Accessory

1. Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration (see Figure 7.4.1). Per KDB 648474 D04, 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 FCC KDB 447498 D01 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode, when applicable. When the reported SAR for 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 that body-worn accessory with a headset attached to the handset.
2. Accessories for body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components and those that do

contain metallic components. When multiple accessories that do not contain metallic components are supplied with the device, the device is tested with only the accessory that dictates the closest spacing to the body. Then multiple accessories that contain metallic components are test with the device with each accessory. If multiple accessories share an identical metallic component (i.e. the same metallic belt-chip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

Figure 7.4.1 – Test positions for body-worn devices

## 7.5. Wireless Router Devices

Some battery-operated handsets have the capability to transmit and receive user through simultaneous transmission of WLAN simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06 where SAR test considerations for handsets ( $L \times W \geq 9 \text{ cm} \times 5 \text{ cm}$ ) are based on a composite test separation distance of 10mm from the front, back and edges of the device containing transmitting antennas within 2.5cm of their edges, determined form general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.

When the user enables the personal wireless router functions for the handset, actual operations include simultaneous transmission of both the WLAN transmitter and another licensed transmitter. Both transmitters often do not transmit at the same transmitting frequency and thus cannot be evaluated for SAR under actual use conditions due to the limitations of the SAR assessment probes. Therefore, SAR must be evaluated for each frequency transmission and mode separately and spatially summed with the WLAN transmitter according to FCC KDB Publication 447498 D01 publication procedures. The —Portable Hotspot II feature on the handset was NOT activated during SAR assessments, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal at a time.

## 8. RF Output Power

### 8.1. GSM Conducted Power

| Band GSM850          | Burst-Averaged output Power (dBm) |       |       |       | Factor | Frame-Averaged output Power (dBm) |       |       |       |
|----------------------|-----------------------------------|-------|-------|-------|--------|-----------------------------------|-------|-------|-------|
| Tx Channel           | Tune-up (dBm)                     | 128   | 189   | 251   |        | Tune-up                           | 128   | 189   | 251   |
| Frequency (MHz)      |                                   | 824.2 | 836.4 | 848.8 |        |                                   | 824.2 | 836.4 | 848.8 |
| GSM (GMSK)           | 33.50                             | 33.03 | 33.15 | 33.18 | -9.03  | 24.47                             | 24.00 | 24.12 | 24.15 |
| GPRS(GMSK,1 Tx slot) | 33.50                             | 33.03 | 33.09 | 33.10 | -9.03  | 24.47                             | 24.00 | 24.06 | 24.07 |
| GPRS(GMSK,2 Tx slot) | 32.50                             | 32.22 | 32.32 | 32.32 | -6.02  | 26.48                             | 26.20 | 26.30 | 26.30 |
| GPRS(GMSK,3 Tx slot) | 31.00                             | 30.37 | 30.49 | 30.53 | -4.26  | 26.74                             | 26.11 | 26.23 | 26.27 |
| GPRS(GMSK,4 Tx slot) | 28.50                             | 28.20 | 28.38 | 28.42 | -3.01  | 25.49                             | 25.19 | 25.37 | 25.41 |
| GPRS(EDGE,1 Tx slot) | 27.50                             | 26.98 | 27.04 | 26.85 | -9.03  | 18.47                             | 17.95 | 18.01 | 17.82 |
| GPRS(EDGE,2 Tx slot) | 26.00                             | 25.89 | 25.92 | 25.73 | -6.02  | 19.98                             | 19.87 | 19.90 | 19.71 |
| GPRS(EDGE,3 Tx slot) | 24.00                             | 23.73 | 23.59 | 23.10 | -4.26  | 19.74                             | 19.47 | 19.33 | 18.84 |
| GPRS(EDGE,4 Tx slot) | 22.00                             | 21.00 | 21.60 | 21.30 | -3.01  | 18.99                             | 17.99 | 18.59 | 18.29 |

| Band GSM1900         | Burst-Averaged output Power (dBm) |        |       |        | Factor | Frame-Averaged output Power (dBm) |        |       |        |
|----------------------|-----------------------------------|--------|-------|--------|--------|-----------------------------------|--------|-------|--------|
| Tx Channel           | Tune-up (dBm)                     | 512    | 661   | 810    |        | Tune-up                           | 512    | 661   | 810    |
| Frequency (MHz)      |                                   | 1850.2 | 1880  | 1909.8 |        |                                   | 1850.2 | 1880  | 1909.8 |
| GSM (GMSK)           | 30.00                             | 29.74  | 29.88 | 29.55  | -9.03  | 20.97                             | 20.71  | 20.85 | 20.52  |
| GPRS(GMSK,1 Tx slot) | 30.00                             | 29.75  | 29.84 | 29.49  | -9.03  | 20.97                             | 20.72  | 20.81 | 20.46  |
| GPRS(GMSK,2 Tx slot) | 29.50                             | 28.86  | 29.07 | 28.83  | -6.02  | 23.48                             | 22.84  | 23.05 | 22.81  |
| GPRS(GMSK,3 Tx slot) | 27.00                             | 26.40  | 26.72 | 26.82  | -4.26  | 22.74                             | 22.14  | 22.46 | 22.56  |
| GPRS(GMSK,4 Tx slot) | 26.00                             | 25.25  | 25.63 | 25.76  | -3.01  | 22.99                             | 22.24  | 22.62 | 22.75  |
| GPRS(EDGE,1 Tx slot) | 25.00                             | 24.88  | 24.67 | 24.52  | -9.03  | 15.97                             | 15.85  | 15.64 | 15.49  |
| GPRS(EDGE,2 Tx slot) | 24.00                             | 23.63  | 23.32 | 23.40  | -6.02  | 17.98                             | 17.61  | 17.30 | 17.38  |
| GPRS(EDGE,3 Tx slot) | 22.00                             | 21.65  | 21.43 | 21.17  | -4.26  | 17.74                             | 17.39  | 17.17 | 16.91  |
| GPRS(EDGE,4 Tx slot) | 21.00                             | 20.78  | 19.94 | 19.97  | -3.01  | 17.99                             | 17.77  | 16.93 | 16.96  |

Note:

Remark: GPRS, CS4 coding scheme. EGPRS, MCS5 coding scheme.

Multi-Slot Class 8, Support Max 4 downlink, 1 uplink, 5 working link

Multi-Slot Class 10, Support Max 4 downlink, 2 uplink, 5 working link

Multi-Slot Class 12, Support Max 4 downlink, 4 uplink, 5 working link

SAR testing was performed on the maximum frame-averaged power mode.

The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum

Burst-averaged power based on time slots. The calculated method is shown as below:

Frame-averaged power = Burst averaged power (1 TX Slot) – 9.03 dB

Frame-averaged power = Burst averaged power (2 TX Slots) – 6.02 dB

Frame-averaged power = Burst averaged power (3 TX Slots) - 4.26 dB

Frame-averaged power = Burst averaged power (4 TX Slots) – 3.01 dB

## 8.2. WCDMA Conducted Power

The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification. A summary of these settings are illustrated below:

### 1. Release99 Setup Configuration

| Mode                   | Subtest                 | Rel99        |
|------------------------|-------------------------|--------------|
| WCDMA General Settings | Loopback Mode           | Test Mode 1  |
|                        | Rel99 RMC               | 12.2kbps RMC |
|                        | Power Control Algorithm | Algorithm1   |
|                        | $\beta_c/\beta_d$       | 8/15         |

### 2. HSDPA Setup Configuration

|                         | Mode                                 | HSDPA        | HSDPA | HSDPA | HSDPA |
|-------------------------|--------------------------------------|--------------|-------|-------|-------|
|                         | Subtest                              | 1            | 2     | 3     | 4     |
| WCDMA General Settings  | Loopback Mode                        | Test Mode 1  |       |       |       |
|                         | Rel99 RMC                            | 12.2kbps RMC |       |       |       |
|                         | HSDPA FRC                            | H-Set1       |       |       |       |
|                         | Power Control Algorithm              | Algorithm 2  |       |       |       |
|                         | $\beta_c$                            | 2/15         | 12/15 | 15/15 | 15/15 |
|                         | $\beta_d$                            | 15/15        | 15/15 | 8/15  | 4/15  |
|                         | Bd (SF)                              | 64           |       |       |       |
|                         | $\beta_c/\beta_d$                    | 2/15         | 12/15 | 15/8  | 15/4  |
|                         | $\beta_{hs}$                         | 4/15         | 24/15 | 30/15 | 30/15 |
| HSDPA Specific Settings | $D_{ACK}$                            | 8            |       |       |       |
|                         | $D_{NAK}$                            | 8            |       |       |       |
|                         | DCQI                                 | 8            |       |       |       |
|                         | Ack-Nack repetition factor           | 3            |       |       |       |
|                         | CQI Feedback (Table 5.2B.4)          | 4ms          |       |       |       |
|                         | CQI Repetition Factor (Table 5.2B.4) | 2            |       |       |       |
|                         | $A_{hs} = \beta_{hs}/\beta_c$        | 30/15        |       |       |       |

### 3. HSUPA Setup Configuration

|                         | Mode                        | HSUPA          | HSUPA | HSUPA          | HSUPA | HSUPA  |
|-------------------------|-----------------------------|----------------|-------|----------------|-------|--------|
|                         | Subtest                     | 1              | 2     | 3              | 4     | 5      |
| WCDMA General Settings  | Loopback Mode               | Test Mode 1    |       |                |       |        |
|                         | Rel99 RMC                   | 12.2kbps RMC   |       |                |       |        |
|                         | HSDPA FRC                   | H-Set1         |       |                |       |        |
|                         | HSUPA Test                  | HSUPA Loopback |       |                |       |        |
|                         | Power Control Algorithm     | Algorithm1     |       |                |       |        |
|                         | $\beta_c$                   | 11/15          | 6/15  | 15/15          | 2/15  | 15/15  |
|                         | $\beta_d$                   | 15/15          | 15/15 | 9/15           | 15/15 | 15/15  |
|                         | $\beta_{ec}$                | 209/225        | 12/15 | 30/15          | 2/15  | 24/15  |
|                         | $\beta_c/\beta_d$           | 11/15          | 6/15  | 15/9           | 2/15  | 15/15  |
|                         | $\beta_{hs}$                | 22/15          | 12/15 | 30/15          | 4/15  | 30/15  |
|                         | $\beta_{ed}$                | 1309/225       | 94/75 | 47/15<br>47/15 | 56/75 | 134/15 |
|                         | CM (dB)                     | 1.0            | 3.0   | 2.0            | 3.0   | 1.0    |
| HSDPA Specific Settings | $D_{ACK}$                   | 8              |       |                |       |        |
|                         | $D_{NAK}$                   | 8              |       |                |       |        |
|                         | DCQI                        | 8              |       |                |       |        |
|                         | Ack-Nack repetition factor  | 3              |       |                |       |        |
|                         | CQI Feedback (Table 5.2B.4) | 4ms            |       |                |       |        |
|                         | CQI Repetition Factor       | 2              |       |                |       |        |

|                |                                    |       |       |       |       |       |
|----------------|------------------------------------|-------|-------|-------|-------|-------|
| HSUPA Settings | (Table 5.2B.4)                     |       |       |       |       |       |
|                | $A_{hs} = \beta_{hs}/\beta_c$      | 30/15 |       |       |       |       |
|                | D E-DPCCH                          | 6     | 8     | 8     | 5     | 7     |
|                | DHARQ                              | 0     | 0     | 0     | 0     | 0     |
|                | AG Index                           | 20    | 12    | 15    | 17    | 21    |
|                | ETFCI (from 34.121 Table C.11.1.3) | 75    | 67    | 92    | 71    | 81    |
|                | Associated Max UL Data Rate kbps   | 242.1 | 174.9 | 482.8 | 205.8 | 308.9 |

#### 4. WCDMA Conducted Power Results

Choose the highest output power mode RMC 12.2Kbps for Band V/VI/II at middle channel to test SAR and determine the worst configuration for further high/low channel test.

| WCDMA Band II   | Burst-Averaged output Power (dBm) |        |       |        |
|-----------------|-----------------------------------|--------|-------|--------|
| Tx Channel      | Tune-up (dBm)                     | 9262   | 9400  | 9538   |
| Frequency (MHz) |                                   | 1852.4 | 1880  | 1907.6 |
| RMC12.2K        | 23.50                             | 23.13  | 22.93 | 22.93  |
| HSDPA Sub 1     | 21.00                             | 20.94  | 20.73 | 20.74  |
| HSDPA Sub 2     | 21.00                             | 20.91  | 20.73 | 20.72  |
| HSDPA Sub 3     | 21.00                             | 20.94  | 20.74 | 20.74  |
| HSDPA Sub 4     | 21.00                             | 20.95  | 20.73 | 20.75  |
| HSUPA Sub 1     | 19.00                             | 18.36  | 18.42 | 18.50  |
| HSUPA Sub 2     | 19.00                             | 18.61  | 18.43 | 18.46  |
| HSUPA Sub 3     | 19.00                             | 18.86  | 18.51 | 18.16  |
| HSUPA Sub 4     | 19.00                             | 18.87  | 18.45 | 18.46  |
| HSUPA Sub 5     | 19.50                             | 19.35  | 18.91 | 19.24  |

| WCDMA Band IV   | Burst-Averaged output Power (dBm) |        |        |        |
|-----------------|-----------------------------------|--------|--------|--------|
| Tx Channel      | Tune-up (dBm)                     | 1312   | 1413   | 1513   |
| Frequency (MHz) |                                   | 1712.4 | 1732.6 | 1752.6 |
| RMC12.2K        | 23.00                             | 22.83  | 22.75  | 22.45  |
| HSDPA Sub 1     | 21.00                             | 20.67  | 20.55  | 20.30  |
| HSDPA Sub 2     | 21.00                             | 20.67  | 20.52  | 20.28  |
| HSDPA Sub 3     | 21.00                             | 20.67  | 20.56  | 20.29  |
| HSDPA Sub 4     | 21.00                             | 20.66  | 20.54  | 20.30  |
| HSUPA Sub 1     | 18.50                             | 18.05  | 17.74  | 17.71  |
| HSUPA Sub 2     | 18.50                             | 18.02  | 17.92  | 17.70  |
| HSUPA Sub 3     | 18.50                             | 17.86  | 18.25  | 17.98  |
| HSUPA Sub 4     | 18.50                             | 18.03  | 17.93  | 17.69  |
| HSUPA Sub 5     | 19.00                             | 18.52  | 18.10  | 18.42  |

| WCDMA Band V    | Burst-Averaged output Power (dBm) |       |       |       |
|-----------------|-----------------------------------|-------|-------|-------|
| Tx Channel      | Tune-up<br>(dBm)                  | 4132  | 4182  | 4233  |
| Frequency (MHz) |                                   | 826.4 | 836.4 | 846.6 |
| RMC12.2K        | 24.50                             | 24.07 | 24.01 | 24.05 |
| HSDPA Sub 1     | 22.00                             | 21.75 | 21.69 | 21.76 |
| HSDPA Sub 2     | 22.00                             | 21.75 | 21.66 | 21.75 |
| HSDPA Sub 3     | 22.00                             | 21.70 | 21.68 | 21.77 |
| HSDPA Sub 4     | 22.00                             | 21.75 | 21.70 | 21.75 |
| HSUPA Sub 1     | 19.50                             | 19.45 | 19.17 | 19.47 |
| HSUPA Sub 2     | 19.50                             | 19.13 | 19.44 | 19.16 |
| HSUPA Sub 3     | 20.00                             | 19.41 | 19.68 | 19.44 |
| HSUPA Sub 4     | 19.50                             | 19.14 | 19.48 | 19.46 |
| HSUPA Sub 5     | 20.50                             | 19.39 | 20.16 | 19.92 |

### 8.3. LTE Conducted Power

- The following tests were conducted according to the test requirements outlines in 3GPP TS 36.521-1 specification. A summary of these configurations are illustrated below:

| Test Parameters for Channel Bandwidths                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                     |                      |               |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------|---------------|-----|
| Downlink Configuration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                     | Uplink Configuration |               |     |
| Ch BW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | N/A for Max UE output power testing | Mod'n                | RB allocation |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |                      | FDD           | TDD |
| 1.4MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                     | QPSK                 | 1             | 1   |
| 1.4MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                     | QPSK                 | 5             | 5   |
| 3MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     | QPSK                 | 1             | 1   |
| 3MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     | QPSK                 | 4             | 4   |
| 5MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     | QPSK                 | 1             | 1   |
| 5MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     | QPSK                 | 8             | 8   |
| 10MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     | QPSK                 | 1             | 1   |
| 10MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     | QPSK                 | 12            | 12  |
| 15MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     | QPSK                 | 1             | 1   |
| 15MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     | QPSK                 | 16            | 16  |
| 20MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     | QPSK                 | 1             | 1   |
| 20MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     | QPSK                 | 18            | 18  |
| <p>Note 1: Test Channel Bandwidths are checked separately for each E-UTRA band, the applicable channel bandwidths are specified in Table 5.4.2.1-1.</p> <p>Note 2: For E-UTRA bands not applied with Note 2 in Table 6.2.2.3-1:</p> <ul style="list-style-type: none"><li>- The 1 RB allocation shall be tested at RB#0 for low and mid range, RB #max for high range test frequency.</li><li>- The RBstart of non-1RB allocation shall be RB #0 for low and mid range, RB# (max +1 - RB allocation) for high range test frequency.</li></ul> <p>Note 3: For E-UTRA bands applied with Note 2 in Table 6.2.2.3-1:</p> <ul style="list-style-type: none"><li>- If the test channel bandwidth is larger than 4MHz, then the 1 RB allocation shall be tested at both RB #0 and RB #max.</li><li>- If the test channel bandwidth is smaller or equal to 4MHz, then the 1 RB allocation shall be tested at RB #0.</li><li>- If the test channel bandwidth = (FUL_high - FUL_low) specified by the operating band, then only one frequency range shall be tested and the 1 RB allocation shall be tested at RB #0, RB # <math>\left\lceil N_{RB}^{UL} / 2 \right\rceil</math> and RB #max.</li><li>- For non-1RB allocation, test frequency is middle range, and the RBstart shall be RB #0.</li></ul> |                                     |                      |               |     |

## 2. LTE Conducted Power Results

### LTE output list

| Band       | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |            |              |
|------------|------------|------------|------------------|-----------|---------------|------------------------|------------|--------------|
|            |            |            | RB Size          | RB Offset |               | 18607/1850.7           | 18900/1880 | 19193/1909.3 |
| LTE Band 2 | 1.4MHz     | QPSK       | 1                | 0         | 24.50         | 24.42                  | 24.32      | 24.26        |
|            |            |            | 1                | 2         | 24.50         | 24.38                  | 24.31      | 24.23        |
|            |            |            | 1                | 5         | 24.50         | 24.38                  | 24.33      | 24.22        |
|            |            |            | 3                | 0         | 24.50         | 24.48                  | 24.23      | 24.31        |
|            |            |            | 3                | 1         | 24.50         | 24.47                  | 24.24      | 24.31        |
|            |            |            | 3                | 2         | 24.50         | 24.48                  | 24.23      | 24.28        |
|            |            |            | 6                | 0         | 23.50         | 23.45                  | 23.28      | 23.31        |
|            |            | 16QAM      | 1                | 0         | 24.00         | 23.60                  | 23.19      | 23.43        |
|            |            |            | 1                | 2         | 24.00         | 23.65                  | 23.23      | 23.47        |
|            |            |            | 1                | 5         | 24.00         | 23.62                  | 23.17      | 23.40        |
|            |            |            | 3                | 0         | 23.50         | 23.36                  | 23.17      | 23.24        |
|            |            |            | 3                | 1         | 23.50         | 23.37                  | 23.15      | 23.21        |
|            |            |            | 3                | 2         | 23.50         | 23.36                  | 23.16      | 23.22        |
|            |            |            | 6                | 0         | 22.50         | 22.35                  | 22.29      | 22.37        |
| Band       | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |            |              |
|            |            |            | RB Size          | RB Offset |               | 18615/1851.5           | 18900/1880 | 19185/1908.5 |
| LTE Band 2 | 3MHz       | QPSK       | 1                | 0         | 24.50         | 24.45                  | 24.38      | 24.38        |
|            |            |            | 1                | 7         | 24.50         | 24.47                  | 24.38      | 24.46        |
|            |            |            | 1                | 14        | 24.50         | 24.40                  | 24.35      | 24.42        |
|            |            |            | 8                | 0         | 23.50         | 23.44                  | 23.34      | 23.37        |
|            |            |            | 8                | 4         | 23.50         | 23.42                  | 23.33      | 23.38        |
|            |            |            | 8                | 7         | 23.50         | 23.41                  | 23.33      | 23.36        |
|            |            |            | 15               | 0         | 23.50         | 23.40                  | 23.34      | 23.36        |
|            |            | 16QAM      | 1                | 0         | 24.00         | 23.67                  | 23.25      | 23.53        |
|            |            |            | 1                | 7         | 24.00         | 23.65                  | 23.29      | 23.59        |
|            |            |            | 1                | 14        | 24.00         | 23.56                  | 23.26      | 23.51        |
|            |            |            | 8                | 0         | 22.50         | 22.49                  | 22.37      | 22.45        |
|            |            |            | 8                | 4         | 22.50         | 22.46                  | 22.37      | 22.45        |
|            |            |            | 8                | 7         | 22.50         | 22.47                  | 22.37      | 22.45        |
|            |            |            | 15               | 0         | 22.50         | 22.35                  | 22.26      | 22.40        |
| Band       | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |            |              |
|            |            |            | RB Size          | RB Offset |               | 18625/1852.5           | 18900/1880 | 19175/1907.5 |
| LTE Band 2 | 5MHz       | QPSK       | 1                | 0         | 25.00         | 24.53                  | 24.01      | 24.01        |
|            |            |            | 1                | 12        | 25.00         | 24.50                  | 24.00      | 24.06        |
|            |            |            | 1                | 24        | 25.00         | 24.48                  | 24.03      | 24.09        |
|            |            |            | 12               | 0         | 23.50         | 23.43                  | 23.38      | 23.40        |
|            |            |            | 12               | 6         | 23.50         | 23.42                  | 23.37      | 23.45        |
|            |            |            | 12               | 11        | 23.50         | 23.44                  | 23.37      | 23.40        |
|            |            |            | 25               | 0         | 23.50         | 23.45                  | 23.41      | 23.42        |
|            |            | 16QAM      | 1                | 0         | 24.00         | 23.69                  | 23.08      | 22.97        |
|            |            |            | 1                | 12        | 24.00         | 23.57                  | 23.03      | 22.97        |
|            |            |            | 1                | 24        | 24.00         | 23.51                  | 23.07      | 22.98        |
|            |            |            | 12               | 0         | 23.00         | 22.52                  | 22.44      | 22.40        |
|            |            |            | 12               | 6         | 23.00         | 22.50                  | 22.39      | 22.42        |

|            |            |            | 12               | 11        | 23.00         | 22.48                  | 22.38      | 22.39        |
|------------|------------|------------|------------------|-----------|---------------|------------------------|------------|--------------|
|            |            |            | 25               | 0         | 22.50         | 22.45                  | 22.44      | 22.45        |
| Band       | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |            |              |
|            |            |            | RB Size          | RB Offset |               | 18650/1855             | 18900/1880 | 19150/1905   |
| LTE Band 2 | 10MHz      | QPSK       | 1                | 0         | 24.50         | 24.43                  | 23.83      | 23.89        |
|            |            |            | 1                | 24        | 24.50         | 24.25                  | 23.97      | 23.91        |
|            |            |            | 1                | 49        | 24.50         | 23.96                  | 23.93      | 23.95        |
|            |            |            | 25               | 0         | 23.50         | 23.43                  | 23.38      | 23.42        |
|            |            |            | 25               | 12        | 23.50         | 23.42                  | 23.42      | 23.45        |
|            |            |            | 25               | 24        | 23.50         | 23.48                  | 23.36      | 23.46        |
|            |            |            | 50               | 0         | 23.50         | 23.46                  | 23.39      | 23.46        |
|            |            | 16QAM      | 1                | 0         | 23.50         | 23.15                  | 22.72      | 23.04        |
|            |            |            | 1                | 24        | 23.50         | 23.15                  | 22.82      | 23.06        |
|            |            |            | 1                | 49        | 23.50         | 23.02                  | 22.80      | 23.10        |
|            |            |            | 25               | 0         | 23.00         | 22.44                  | 22.40      | 22.40        |
|            |            |            | 25               | 12        | 23.00         | 22.44                  | 22.44      | 22.43        |
|            |            |            | 25               | 24        | 23.00         | 22.51                  | 22.37      | 22.47        |
|            |            |            | 50               | 0         | 22.50         | 22.45                  | 22.34      | 22.41        |
| Band       | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |            |              |
|            |            |            | RB Size          | RB Offset |               | 18675/1857.5           | 18900/1880 | 19125/1902.5 |
| LTE Band 2 | 15MHz      | QPSK       | 1                | 0         | 24.50         | 24.31                  | 23.77      | 23.83        |
|            |            |            | 1                | 37        | 24.50         | 24.20                  | 23.93      | 23.91        |
|            |            |            | 1                | 74        | 24.50         | 23.91                  | 23.86      | 23.88        |
|            |            |            | 36               | 0         | 23.50         | 23.37                  | 23.34      | 23.36        |
|            |            |            | 36               | 18        | 23.50         | 23.37                  | 23.34      | 23.38        |
|            |            |            | 36               | 37        | 23.50         | 23.35                  | 23.27      | 23.45        |
|            |            |            | 75               | 0         | 23.50         | 23.38                  | 23.40      | 23.44        |
|            |            | 16QAM      | 1                | 0         | 23.50         | 23.17                  | 22.62      | 22.98        |
|            |            |            | 1                | 37        | 23.50         | 23.13                  | 22.81      | 23.08        |
|            |            |            | 1                | 74        | 23.50         | 22.97                  | 22.71      | 23.02        |
|            |            |            | 36               | 0         | 22.50         | 22.42                  | 22.32      | 22.37        |
|            |            |            | 36               | 18        | 22.50         | 22.42                  | 22.33      | 22.40        |
|            |            |            | 36               | 37        | 22.50         | 22.44                  | 22.31      | 22.41        |
|            |            |            | 75               | 0         | 22.50         | 22.38                  | 22.38      | 22.37        |
| Band       | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |            |              |
|            |            |            | RB Size          | RB Offset |               | 18700/1860             | 18900/1880 | 19100/1900   |
| LTE Band 2 | 20MHz      | QPSK       | 1                | 0         | 24.50         | 24.16                  | 24.20      | 24.26        |
|            |            |            | 1                | 49        | 24.50         | 24.18                  | 24.42      | 24.37        |
|            |            |            | 1                | 99        | 24.50         | 24.01                  | 24.31      | 24.25        |
|            |            |            | 50               | 0         | 23.50         | 23.18                  | 23.27      | 23.29        |
|            |            |            | 50               | 24        | 23.50         | 23.26                  | 23.29      | 23.36        |
|            |            |            | 50               | 49        | 23.50         | 23.28                  | 23.29      | 23.39        |
|            |            |            | 100              | 0         | 23.50         | 23.24                  | 23.31      | 23.30        |
|            |            | 16QAM      | 1                | 0         | 24.00         | 23.30                  | 23.25      | 23.37        |
|            |            |            | 1                | 49        | 24.00         | 23.32                  | 23.50      | 23.50        |
|            |            |            | 1                | 99        | 24.00         | 23.18                  | 23.39      | 23.45        |
|            |            |            | 50               | 0         | 22.50         | 22.20                  | 22.24      | 22.25        |
|            |            |            | 50               | 24        | 22.50         | 22.29                  | 22.24      | 22.34        |

|  |  |  |     |    |       |       |       |       |
|--|--|--|-----|----|-------|-------|-------|-------|
|  |  |  | 50  | 49 | 22.50 | 22.32 | 22.26 | 22.39 |
|  |  |  | 100 | 0  | 22.50 | 22.23 | 22.27 | 22.29 |

| Band       | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |              |              |
|------------|------------|------------|------------------|-----------|---------------|------------------------|--------------|--------------|
|            |            |            | RB Size          | RB Offset |               | 19957/1710.7           | 20175/1732.5 | 20393/1754.3 |
| LTE Band 4 | 1.4MHz     | QPSK       | 1                | 0         | 24.00         | 23.17                  | 22.93        | 23.60        |
|            |            |            | 1                | 2         | 24.00         | 23.15                  | 22.94        | 23.58        |
|            |            |            | 1                | 5         | 24.00         | 23.19                  | 22.94        | 23.59        |
|            |            |            | 3                | 0         | 24.00         | 23.29                  | 23.40        | 23.68        |
|            |            |            | 3                | 1         | 24.00         | 23.31                  | 23.37        | 23.71        |
|            |            |            | 3                | 2         | 24.00         | 23.32                  | 23.39        | 23.74        |
|            |            | 16QAM      | 6                | 0         | 23.00         | 22.27                  | 22.48        | 22.66        |
|            |            |            | 1                | 0         | 23.00         | 21.94                  | 21.86        | 22.82        |
|            |            |            | 1                | 2         | 23.00         | 21.95                  | 21.86        | 22.87        |
|            |            |            | 1                | 5         | 23.00         | 21.93                  | 21.85        | 22.85        |
|            |            |            | 3                | 0         | 23.00         | 22.16                  | 22.40        | 22.61        |
|            |            |            | 3                | 1         | 23.00         | 22.21                  | 22.34        | 22.63        |
|            |            |            | 3                | 2         | 23.00         | 22.19                  | 22.33        | 22.60        |
|            |            |            | 6                | 0         | 22.00         | 21.17                  | 21.50        | 21.54        |
| Band       | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |              |              |
|            |            |            | RB Size          | RB Offset |               | 19965/1711.5           | 20175/1732.5 | 20385/1753.5 |
| LTE Band 4 | 3MHz       | QPSK       | 1                | 0         | 23.50         | 23.19                  | 22.94        | 23.07        |
|            |            |            | 1                | 7         | 23.50         | 23.23                  | 22.97        | 23.11        |
|            |            |            | 1                | 14        | 23.50         | 23.16                  | 22.91        | 23.07        |
|            |            |            | 8                | 0         | 23.00         | 22.23                  | 22.43        | 22.57        |
|            |            |            | 8                | 4         | 23.00         | 22.23                  | 22.36        | 22.59        |
|            |            |            | 8                | 7         | 23.00         | 22.25                  | 22.40        | 22.56        |
|            |            |            | 15               | 0         | 23.00         | 22.24                  | 22.41        | 22.57        |
|            |            | 16QAM      | 1                | 0         | 22.50         | 21.95                  | 21.81        | 22.23        |
|            |            |            | 1                | 7         | 22.50         | 21.93                  | 21.82        | 22.28        |
|            |            |            | 1                | 14        | 22.50         | 21.88                  | 21.83        | 22.23        |
|            |            |            | 8                | 0         | 22.00         | 21.26                  | 21.47        | 21.64        |
|            |            |            | 8                | 4         | 22.00         | 21.27                  | 21.45        | 21.65        |
|            |            |            | 8                | 7         | 22.00         | 21.29                  | 21.45        | 21.64        |
|            |            |            | 15               | 0         | 22.00         | 21.17                  | 21.35        | 21.59        |
| Band       | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |              |              |
|            |            |            | RB Size          | RB Offset |               | 19975/1712.5           | 20175/1732.5 | 20375/1752.5 |
| LTE Band 4 | 5MHz       | QPSK       | 1                | 0         | 23.50         | 22.86                  | 23.09        | 23.23        |
|            |            |            | 1                | 12        | 23.50         | 22.82                  | 23.05        | 23.24        |
|            |            |            | 1                | 24        | 23.50         | 22.87                  | 23.13        | 23.30        |
|            |            |            | 12               | 0         | 23.00         | 22.25                  | 22.49        | 22.60        |
|            |            |            | 12               | 6         | 23.00         | 22.28                  | 22.46        | 22.60        |
|            |            |            | 12               | 11        | 23.00         | 22.28                  | 22.45        | 22.60        |
|            |            |            | 25               | 0         | 23.00         | 22.30                  | 22.50        | 22.62        |
|            |            | 16QAM      | 1                | 0         | 22.50         | 21.98                  | 22.17        | 22.17        |
|            |            |            | 1                | 12        | 22.50         | 21.95                  | 22.10        | 22.13        |
|            |            |            | 1                | 24        | 22.50         | 22.00                  | 22.21        | 22.21        |
|            |            |            | 12               | 0         | 22.00         | 21.27                  | 21.53        | 21.59        |

|            |            |            | 12               | 6         | 22.00         | 21.33                  | 21.48        | 21.59        |
|------------|------------|------------|------------------|-----------|---------------|------------------------|--------------|--------------|
|            |            |            | 12               | 11        | 22.00         | 21.33                  | 21.48        | 21.59        |
|            |            |            | 25               | 0         | 22.00         | 21.28                  | 21.53        | 21.63        |
| Band       | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |              |              |
|            |            |            | RB Size          | RB Offset |               | 20000/1715             | 20175/1732.5 | 20350/1750   |
| LTE Band 4 | 10MHz      | QPSK       | 1                | 0         | 23.50         | 22.71                  | 22.91        | 23.02        |
|            |            |            | 1                | 24        | 23.50         | 22.72                  | 23.00        | 23.07        |
|            |            |            | 1                | 49        | 23.50         | 22.82                  | 23.00        | 23.12        |
|            |            |            | 25               | 0         | 23.00         | 22.22                  | 22.44        | 22.49        |
|            |            |            | 25               | 12        | 23.00         | 22.33                  | 22.49        | 22.54        |
|            |            |            | 25               | 24        | 23.00         | 22.38                  | 22.47        | 22.59        |
|            |            |            | 50               | 0         | 23.00         | 22.29                  | 22.50        | 22.59        |
|            |            | 16QAM      | 1                | 0         | 22.50         | 21.95                  | 21.83        | 22.17        |
|            |            |            | 1                | 24        | 22.50         | 21.94                  | 21.86        | 22.20        |
|            |            |            | 1                | 49        | 22.50         | 22.03                  | 21.92        | 22.29        |
|            |            |            | 25               | 0         | 22.00         | 21.21                  | 21.49        | 21.47        |
|            |            |            | 25               | 12        | 22.00         | 21.33                  | 21.53        | 21.51        |
|            |            |            | 25               | 24        | 22.00         | 21.41                  | 21.52        | 21.59        |
|            |            |            | 50               | 0         | 22.00         | 21.28                  | 21.47        | 21.56        |
| Band       | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |              |              |
|            |            |            | RB Size          | RB Offset |               | 20025/1717.5           | 20175/1732.5 | 20325/1747.5 |
| LTE Band 4 | 15MHz      | QPSK       | 1                | 0         | 23.50         | 22.62                  | 22.82        | 22.88        |
|            |            |            | 1                | 37        | 23.50         | 22.70                  | 22.97        | 23.08        |
|            |            |            | 1                | 74        | 23.50         | 22.73                  | 22.96        | 23.03        |
|            |            |            | 36               | 0         | 23.00         | 22.13                  | 22.36        | 22.44        |
|            |            |            | 36               | 18        | 23.00         | 22.26                  | 22.41        | 22.47        |
|            |            |            | 36               | 37        | 23.00         | 22.32                  | 22.44        | 22.56        |
|            |            |            | 75               | 0         | 23.00         | 22.25                  | 22.44        | 22.51        |
|            |            | 16QAM      | 1                | 0         | 22.50         | 21.94                  | 21.73        | 22.07        |
|            |            |            | 1                | 37        | 22.50         | 22.00                  | 21.87        | 22.24        |
|            |            |            | 1                | 74        | 22.50         | 22.07                  | 21.84        | 22.20        |
|            |            |            | 36               | 0         | 22.00         | 21.23                  | 21.37        | 21.46        |
|            |            |            | 36               | 18        | 22.00         | 21.32                  | 21.38        | 21.46        |
|            |            |            | 36               | 37        | 22.00         | 21.36                  | 21.41        | 21.55        |
|            |            |            | 75               | 0         | 21.50         | 21.25                  | 21.40        | 21.44        |
| Band       | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |              |              |
|            |            |            | RB Size          | RB Offset |               | 20050/1720             | 20175/1732.5 | 20300/1745   |
| LTE Band 4 | 20MHz      | QPSK       | 1                | 0         | 23.50         | 22.66                  | 22.67        | 22.98        |
|            |            |            | 1                | 49        | 23.50         | 22.79                  | 22.87        | 23.18        |
|            |            |            | 1                | 99        | 23.50         | 22.81                  | 22.79        | 23.15        |
|            |            |            | 50               | 0         | 23.00         | 22.14                  | 22.38        | 22.40        |
|            |            |            | 50               | 24        | 23.00         | 22.33                  | 22.45        | 22.54        |
|            |            |            | 50               | 49        | 23.00         | 22.44                  | 22.53        | 22.59        |
|            |            |            | 100              | 0         | 22.50         | 22.28                  | 22.44        | 22.48        |
|            |            | 16QAM      | 1                | 0         | 22.50         | 21.84                  | 21.84        | 22.08        |
|            |            |            | 1                | 49        | 22.50         | 21.98                  | 22.03        | 22.27        |
|            |            |            | 1                | 99        | 22.50         | 21.98                  | 22.00        | 22.23        |
|            |            |            | 50               | 0         | 22.00         | 21.13                  | 21.42        | 21.38        |

|  |  |  |     |    |       |       |       |       |
|--|--|--|-----|----|-------|-------|-------|-------|
|  |  |  | 50  | 24 | 22.00 | 21.35 | 21.52 | 21.51 |
|  |  |  | 50  | 49 | 22.00 | 21.41 | 21.56 | 21.54 |
|  |  |  | 100 | 0  | 21.50 | 21.28 | 21.42 | 21.47 |

| Band       | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |             |             |
|------------|------------|------------|------------------|-----------|---------------|------------------------|-------------|-------------|
|            |            |            | RB Size          | RB Offset |               | 20407/824.7            | 20525/836.5 | 20643/848.3 |
| LTE Band 5 | 1.4MHz     | QPSK       | 1                | 0         | 24.00         | 23.69                  | 23.54       | 23.76       |
|            |            |            | 1                | 2         | 24.00         | 23.65                  | 23.50       | 23.70       |
|            |            |            | 1                | 5         | 24.00         | 23.65                  | 23.54       | 23.71       |
|            |            |            | 3                | 0         | 24.00         | 23.76                  | 23.48       | 23.81       |
|            |            |            | 3                | 1         | 24.00         | 23.76                  | 23.43       | 23.83       |
|            |            |            | 3                | 2         | 24.00         | 23.79                  | 23.43       | 23.85       |
|            |            |            | 6                | 0         | 23.00         | 22.71                  | 22.51       | 22.81       |
|            |            | 16QAM      | 1                | 0         | 23.00         | 22.90                  | 22.39       | 22.92       |
|            |            |            | 1                | 2         | 23.00         | 22.94                  | 22.43       | 22.95       |
|            |            |            | 1                | 5         | 23.00         | 22.89                  | 22.41       | 22.97       |
|            |            |            | 3                | 0         | 23.00         | 22.64                  | 22.41       | 22.68       |
|            |            |            | 3                | 1         | 23.00         | 22.66                  | 22.37       | 22.72       |
|            |            |            | 3                | 2         | 23.00         | 22.65                  | 22.35       | 22.69       |
|            |            |            | 6                | 0         | 22.00         | 21.59                  | 21.52       | 21.68       |
| Band       | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |             |             |
|            |            |            | RB Size          | RB Offset |               | 20415/825.5            | 20525/836.5 | 20635/847.5 |
| LTE Band 5 | 3MHz       | QPSK       | 1                | 0         | 24.00         | 23.67                  | 23.77       | 23.78       |
|            |            |            | 1                | 7         | 24.00         | 23.69                  | 23.79       | 23.81       |
|            |            |            | 1                | 14        | 24.00         | 23.67                  | 23.80       | 23.76       |
|            |            |            | 8                | 0         | 23.00         | 22.72                  | 22.74       | 22.76       |
|            |            |            | 8                | 4         | 23.00         | 22.66                  | 22.75       | 22.74       |
|            |            |            | 8                | 7         | 23.00         | 22.71                  | 22.76       | 22.71       |
|            |            |            | 15               | 0         | 23.00         | 22.70                  | 22.78       | 22.75       |
|            |            | 16QAM      | 1                | 0         | 23.00         | 22.93                  | 22.68       | 22.93       |
|            |            |            | 1                | 7         | 23.00         | 22.91                  | 22.70       | 22.99       |
|            |            |            | 1                | 14        | 23.00         | 22.96                  | 22.72       | 22.91       |
|            |            |            | 8                | 0         | 22.00         | 21.75                  | 21.78       | 21.85       |
|            |            |            | 8                | 4         | 22.00         | 21.72                  | 21.82       | 21.83       |
|            |            |            | 8                | 7         | 22.00         | 21.74                  | 21.80       | 21.81       |
|            |            |            | 15               | 0         | 22.00         | 21.64                  | 21.70       | 21.78       |
| Band       | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |             |             |
|            |            |            | RB Size          | RB Offset |               | 20425/826.5            | 20525/836.5 | 20625/846.5 |
| LTE Band 5 | 5MHz       | QPSK       | 1                | 0         | 24.00         | 23.86                  | 23.88       | 23.89       |
|            |            |            | 1                | 12        | 24.00         | 23.83                  | 23.87       | 23.83       |
|            |            |            | 1                | 24        | 24.00         | 23.84                  | 23.89       | 23.90       |
|            |            |            | 12               | 0         | 23.00         | 22.76                  | 22.77       | 22.79       |
|            |            |            | 12               | 6         | 23.00         | 22.72                  | 22.78       | 22.73       |
|            |            |            | 12               | 11        | 23.00         | 22.65                  | 22.76       | 22.71       |
|            |            |            | 25               | 0         | 23.00         | 22.73                  | 22.79       | 22.76       |
|            |            | 16QAM      | 1                | 0         | 23.50         | 22.91                  | 22.97       | 22.84       |
|            |            |            | 1                | 12        | 23.50         | 22.94                  | 22.92       | 22.75       |
|            |            |            | 1                | 24        | 23.50         | 22.95                  | 23.01       | 22.82       |
|            |            |            | 12               | 0         | 22.00         | 21.76                  | 21.86       | 21.80       |

|            |            |            | 12               | 6         | 22.00         | 21.75                  | 21.79       | 21.74     |
|------------|------------|------------|------------------|-----------|---------------|------------------------|-------------|-----------|
|            |            |            | 12               | 11        | 22.00         | 21.71                  | 21.76       | 21.69     |
|            |            |            | 25               | 0         | 22.00         | 21.71                  | 21.84       | 21.77     |
| Band       | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |             |           |
|            |            |            | RB Size          | RB Offset |               | 20450/829              | 20525/836.5 | 20600/844 |
| LTE Band 5 | 10MHz      | QPSK       | 1                | 0         | 24.00         | 23.65                  | 23.80       | 23.81     |
|            |            |            | 1                | 24        | 24.00         | 23.74                  | 23.83       | 23.76     |
|            |            |            | 1                | 49        | 24.00         | 23.72                  | 23.79       | 23.73     |
|            |            |            | 25               | 0         | 23.00         | 22.75                  | 22.80       | 22.82     |
|            |            |            | 25               | 12        | 23.00         | 22.79                  | 22.81       | 22.72     |
|            |            |            | 25               | 24        | 23.00         | 22.75                  | 22.80       | 22.69     |
|            |            |            | 50               | 0         | 23.00         | 22.78                  | 22.81       | 22.77     |
|            |            | 16QAM      | 1                | 0         | 23.00         | 22.89                  | 22.69       | 22.90     |
|            |            |            | 1                | 24        | 23.00         | 22.96                  | 22.70       | 22.90     |
|            |            |            | 1                | 49        | 23.00         | 22.96                  | 22.68       | 22.90     |
|            |            |            | 25               | 0         | 22.00         | 21.78                  | 21.84       | 21.78     |
|            |            |            | 25               | 12        | 22.00         | 21.81                  | 21.80       | 21.75     |
|            |            |            | 25               | 24        | 22.00         | 21.75                  | 21.83       | 21.70     |
|            |            |            | 50               | 0         | 22.00         | 21.77                  | 21.81       | 21.76     |

| Band       | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |            |              |
|------------|------------|------------|------------------|-----------|---------------|------------------------|------------|--------------|
|            |            |            | RB Size          | RB Offset |               | 20775/2502.5           | 21100/2535 | 21425/2567.5 |
| LTE Band 7 | 5MHz       | QPSK       | 1                | 0         | 24.50         | 24.29                  | 24.30      | 24.22        |
|            |            |            | 1                | 12        | 24.50         | 24.29                  | 24.28      | 24.22        |
|            |            |            | 1                | 24        | 24.50         | 24.30                  | 24.32      | 24.03        |
|            |            |            | 12               | 0         | 23.50         | 23.22                  | 23.19      | 23.15        |
|            |            |            | 12               | 6         | 23.50         | 23.20                  | 23.15      | 23.10        |
|            |            |            | 12               | 11        | 23.50         | 23.22                  | 23.12      | 23.06        |
|            |            |            | 25               | 0         | 23.50         | 23.25                  | 23.14      | 23.12        |
|            |            | 16QAM      | 1                | 0         | 23.50         | 23.38                  | 23.35      | 22.63        |
|            |            |            | 1                | 12        | 23.50         | 23.40                  | 23.34      | 22.61        |
|            |            |            | 1                | 24        | 23.50         | 23.43                  | 23.34      | 22.65        |
|            |            |            | 12               | 0         | 22.50         | 22.26                  | 22.21      | 22.18        |
|            |            |            | 12               | 6         | 22.50         | 22.23                  | 22.15      | 22.14        |
|            |            |            | 12               | 11        | 22.50         | 22.28                  | 22.13      | 22.11        |
|            |            |            | 25               | 0         | 22.50         | 22.20                  | 22.22      | 22.14        |
| Band       | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |            |              |
|            |            |            | RB Size          | RB Offset |               | 20800/2505             | 21100/2535 | 21400/2565   |
| LTE Band 7 | 10MHz      | QPSK       | 1                | 0         | 24.50         | 24.12                  | 23.56      | 23.59        |
|            |            |            | 1                | 24        | 24.50         | 24.12                  | 23.63      | 23.63        |
|            |            |            | 1                | 49        | 24.50         | 23.72                  | 23.56      | 23.63        |
|            |            |            | 25               | 0         | 23.50         | 23.19                  | 23.11      | 23.17        |
|            |            |            | 25               | 12        | 23.50         | 23.21                  | 23.17      | 23.10        |
|            |            |            | 25               | 24        | 23.50         | 23.21                  | 23.13      | 23.11        |
|            |            |            | 50               | 0         | 23.50         | 23.23                  | 23.19      | 23.17        |
|            |            | 16QAM      | 1                | 0         | 23.00         | 22.86                  | 22.44      | 22.70        |
|            |            |            | 1                | 24        | 23.00         | 22.90                  | 22.56      | 22.76        |
|            |            |            | 1                | 49        | 23.00         | 22.86                  | 22.51      | 22.76        |
|            |            |            | 25               | 0         | 22.50         | 22.27                  | 22.17      | 22.15        |

|            |            |            | 25               | 12        | 22.50         | 22.21                  | 22.20      | 22.10        |
|------------|------------|------------|------------------|-----------|---------------|------------------------|------------|--------------|
|            |            |            | 25               | 24        | 22.50         | 22.24                  | 22.24      | 22.06        |
|            |            |            | 50               | 0         | 22.50         | 22.22                  | 22.17      | 22.10        |
| Band       | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |            |              |
|            |            |            | RB Size          | RB Offset |               | 20825/2507.5           | 21100/2535 | 21375/2562.5 |
| LTE Band 7 | 15MHz      | QPSK       | 1                | 0         | 24.50         | 24.05                  | 23.45      | 23.43        |
|            |            |            | 1                | 37        | 24.50         | 23.64                  | 23.60      | 23.61        |
|            |            |            | 1                | 74        | 24.50         | 23.51                  | 23.49      | 23.56        |
|            |            |            | 36               | 0         | 23.50         | 23.14                  | 23.09      | 23.03        |
|            |            |            | 36               | 18        | 23.50         | 23.15                  | 23.09      | 23.06        |
|            |            |            | 36               | 37        | 23.50         | 23.16                  | 23.09      | 23.06        |
|            |            |            | 75               | 0         | 23.50         | 23.15                  | 23.05      | 23.10        |
|            |            | 16QAM      | 1                | 0         | 23.00         | 22.88                  | 22.35      | 22.62        |
|            |            |            | 1                | 37        | 23.00         | 22.94                  | 22.51      | 22.77        |
|            |            |            | 1                | 74        | 23.00         | 22.85                  | 22.43      | 22.72        |
|            |            |            | 36               | 0         | 22.50         | 22.22                  | 22.07      | 22.03        |
|            |            |            | 36               | 18        | 22.50         | 22.19                  | 22.06      | 22.09        |
|            |            |            | 36               | 37        | 22.50         | 22.23                  | 22.04      | 22.06        |
|            |            |            | 75               | 0         | 22.50         | 22.14                  | 22.09      | 22.05        |
| Band       | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |            |              |
|            |            |            | RB Size          | RB Offset |               | 20850/2510             | 21100/2535 | 21350/2560   |
| LTE Band 7 | 20MHz      | QPSK       | 1                | 0         | 24.50         | 24.02                  | 23.29      | 23.54        |
|            |            |            | 1                | 49        | 24.50         | 23.65                  | 23.52      | 23.72        |
|            |            |            | 1                | 99        | 24.50         | 23.52                  | 23.39      | 23.68        |
|            |            |            | 50               | 0         | 23.50         | 23.09                  | 23.12      | 23.11        |
|            |            |            | 50               | 24        | 23.50         | 23.19                  | 23.16      | 23.13        |
|            |            |            | 50               | 49        | 23.50         | 23.23                  | 23.16      | 23.06        |
|            |            |            | 100              | 0         | 23.50         | 23.16                  | 23.12      | 23.07        |
|            |            | 16QAM      | 1                | 0         | 23.00         | 22.72                  | 22.52      | 22.63        |
|            |            |            | 1                | 49        | 23.00         | 22.82                  | 22.76      | 22.79        |
|            |            |            | 1                | 99        | 23.00         | 22.73                  | 22.63      | 22.72        |
|            |            |            | 50               | 0         | 22.50         | 22.12                  | 22.13      | 22.08        |
|            |            |            | 50               | 24        | 22.50         | 22.16                  | 22.19      | 22.08        |
|            |            |            | 50               | 49        | 22.50         | 22.22                  | 22.15      | 22.02        |
|            |            |            | 100              | 0         | 22.50         | 22.14                  | 22.15      | 22.02        |

| Band        | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |             |             |
|-------------|------------|------------|------------------|-----------|---------------|------------------------|-------------|-------------|
|             |            |            | RB Size          | RB Offset |               | 23017/699.7            | 23095/707.5 | 23173/715.3 |
| LTE Band 12 | 1.4MHz     | QPSK       | 1                | 0         | 24.00         | 23.50                  | 23.59       | 23.68       |
|             |            |            | 1                | 2         | 24.00         | 23.52                  | 23.61       | 23.67       |
|             |            |            | 1                | 5         | 24.00         | 23.55                  | 23.60       | 23.67       |
|             |            |            | 3                | 0         | 24.00         | 23.57                  | 23.59       | 23.80       |
|             |            |            | 3                | 1         | 24.00         | 23.62                  | 23.56       | 23.83       |
|             |            |            | 3                | 2         | 24.00         | 23.60                  | 23.58       | 23.81       |
|             |            |            | 6                | 0         | 23.00         | 22.56                  | 22.67       | 22.77       |
|             |            | 16QAM      | 1                | 0         | 23.00         | 22.69                  | 22.53       | 22.92       |
|             |            |            | 1                | 2         | 23.00         | 22.77                  | 22.56       | 22.94       |
|             |            |            | 1                | 5         | 23.00         | 22.76                  | 22.48       | 22.91       |
|             |            |            | 3                | 0         | 23.00         | 22.45                  | 22.58       | 22.70       |

|             |            |            | 3                | 1         | 23.00         | 22.49                  | 22.54       | 22.73       |
|-------------|------------|------------|------------------|-----------|---------------|------------------------|-------------|-------------|
|             |            |            | 3                | 2         | 23.00         | 22.45                  | 22.56       | 22.66       |
|             |            |            | 6                | 0         | 22.00         | 21.44                  | 21.68       | 21.66       |
| Band        | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |             |             |
|             |            |            | RB Size          | RB Offset |               | 23025/700.5            | 23095/707.5 | 23165/714.5 |
| LTE Band 12 | 3MHz       | QPSK       | 1                | 0         | 24.00         | 23.55                  | 23.61       | 23.76       |
|             |            |            | 1                | 7         | 24.00         | 23.57                  | 23.63       | 23.71       |
|             |            |            | 1                | 14        | 24.00         | 23.52                  | 23.61       | 23.67       |
|             |            |            | 8                | 0         | 23.00         | 22.56                  | 22.58       | 22.75       |
|             |            |            | 8                | 4         | 23.00         | 22.54                  | 22.61       | 22.76       |
|             |            |            | 8                | 7         | 23.00         | 22.52                  | 22.61       | 22.75       |
|             |            |            | 15               | 0         | 23.00         | 22.54                  | 22.59       | 22.75       |
|             |            | 16QAM      | 1                | 0         | 23.50         | 22.74                  | 22.49       | 23.01       |
|             |            |            | 1                | 7         | 23.50         | 22.74                  | 22.54       | 22.93       |
|             |            |            | 1                | 14        | 23.50         | 22.70                  | 22.56       | 22.88       |
|             |            |            | 8                | 0         | 22.00         | 21.55                  | 21.61       | 21.77       |
|             |            |            | 8                | 4         | 22.00         | 21.55                  | 21.66       | 21.78       |
|             |            |            | 8                | 7         | 22.00         | 21.54                  | 21.64       | 21.75       |
|             |            |            | 15               | 0         | 22.00         | 21.47                  | 21.54       | 21.69       |
| Band        | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |             |             |
|             |            |            | RB Size          | RB Offset |               | 23035/701.5            | 23095/707.5 | 23155/713.5 |
| LTE Band 12 | 5MHz       | QPSK       | 1                | 0         | 24.00         | 23.66                  | 23.74       | 23.57       |
|             |            |            | 1                | 12        | 24.00         | 23.59                  | 23.79       | 23.58       |
|             |            |            | 1                | 24        | 24.00         | 23.68                  | 23.86       | 23.59       |
|             |            |            | 12               | 0         | 23.00         | 22.57                  | 22.65       | 22.51       |
|             |            |            | 12               | 6         | 23.00         | 22.54                  | 22.65       | 22.42       |
|             |            |            | 12               | 11        | 23.00         | 22.54                  | 22.66       | 22.49       |
|             |            |            | 25               | 0         | 23.00         | 22.59                  | 22.63       | 22.49       |
|             |            | 16QAM      | 1                | 0         | 23.00         | 22.75                  | 22.79       | 22.73       |
|             |            |            | 1                | 12        | 23.00         | 22.74                  | 22.81       | 22.69       |
|             |            |            | 1                | 24        | 23.00         | 22.85                  | 22.92       | 22.70       |
|             |            |            | 12               | 0         | 22.00         | 21.63                  | 21.64       | 21.56       |
|             |            |            | 12               | 6         | 22.00         | 21.56                  | 21.66       | 21.46       |
|             |            |            | 12               | 11        | 22.00         | 21.57                  | 21.68       | 21.48       |
|             |            |            | 25               | 0         | 22.00         | 21.55                  | 21.70       | 21.45       |
| Band        | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |             |             |
|             |            |            | RB Size          | RB Offset |               | 23060/704              | 23095/707.5 | 23130/711   |
| LTE Band 12 | 10MHz      | QPSK       | 1                | 0         | 24.00         | 23.23                  | 23.33       | 23.40       |
|             |            |            | 1                | 24        | 24.00         | 23.36                  | 23.42       | 23.52       |
|             |            |            | 1                | 49        | 24.00         | 23.40                  | 23.51       | 23.56       |
|             |            |            | 25               | 0         | 22.50         | 22.32                  | 22.34       | 22.38       |
|             |            |            | 25               | 12        | 22.50         | 22.39                  | 22.40       | 22.41       |
|             |            |            | 25               | 24        | 22.50         | 22.44                  | 22.40       | 22.39       |
|             |            |            | 50               | 0         | 22.50         | 22.39                  | 22.38       | 22.41       |
|             |            | 16QAM      | 1                | 0         | 23.00         | 22.47                  | 22.21       | 22.54       |
|             |            |            | 1                | 24        | 23.00         | 22.55                  | 22.31       | 22.67       |
|             |            |            | 1                | 49        | 23.00         | 22.66                  | 22.38       | 22.70       |
|             |            |            | 25               | 0         | 21.50         | 21.33                  | 21.35       | 21.35       |

|  |  |  |    |    |       |       |       |       |
|--|--|--|----|----|-------|-------|-------|-------|
|  |  |  | 25 | 12 | 21.50 | 21.38 | 21.40 | 21.40 |
|  |  |  | 25 | 24 | 21.50 | 21.45 | 21.39 | 21.38 |
|  |  |  | 50 | 0  | 21.50 | 21.36 | 21.34 | 21.38 |

| Band        | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |           |             |
|-------------|------------|------------|------------------|-----------|---------------|------------------------|-----------|-------------|
|             |            |            | RB Size          | RB Offset |               | 23755/706.5            | 23790/710 | 23825/713.5 |
| LTE Band 17 | 5MHz       | QPSK       | 1                | 0         | 24.00         | 23.41                  | 23.57     | 23.68       |
|             |            |            | 1                | 12        | 24.00         | 23.44                  | 23.51     | 23.62       |
|             |            |            | 1                | 24        | 24.00         | 23.57                  | 23.70     | 23.74       |
|             |            |            | 12               | 0         | 23.00         | 22.36                  | 22.40     | 22.56       |
|             |            |            | 12               | 6         | 23.00         | 22.37                  | 22.44     | 22.50       |
|             |            |            | 12               | 11        | 23.00         | 22.42                  | 22.38     | 22.50       |
|             |            |            | 25               | 0         | 23.00         | 22.40                  | 22.39     | 22.56       |
|             |            | 16QAM      | 1                | 0         | 23.00         | 22.52                  | 22.62     | 22.57       |
|             |            |            | 1                | 12        | 23.00         | 22.55                  | 22.60     | 22.49       |
|             |            |            | 1                | 24        | 23.00         | 22.70                  | 22.73     | 22.62       |
|             |            |            | 12               | 0         | 22.00         | 21.37                  | 21.43     | 21.57       |
|             |            |            | 12               | 6         | 22.00         | 21.37                  | 21.45     | 21.50       |
|             |            |            | 12               | 11        | 22.00         | 21.46                  | 21.39     | 21.51       |
|             |            |            | 25               | 0         | 22.00         | 21.35                  | 21.40     | 21.57       |
| Band        | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |           |             |
|             |            |            | RB Size          | RB Offset |               | 23780/709              | 23790/710 | 23800/711   |
| LTE Band 17 | 10MHz      | QPSK       | 1                | 0         | 24.00         | 23.29                  | 23.37     | 23.46       |
|             |            |            | 1                | 24        | 24.00         | 23.45                  | 23.52     | 23.52       |
|             |            |            | 1                | 49        | 24.00         | 23.51                  | 23.50     | 23.65       |
|             |            |            | 25               | 0         | 22.50         | 22.36                  | 22.35     | 22.42       |
|             |            |            | 25               | 12        | 22.50         | 22.46                  | 22.42     | 22.46       |
|             |            |            | 25               | 24        | 22.50         | 22.37                  | 22.34     | 22.48       |
|             |            |            | 50               | 0         | 22.50         | 22.38                  | 22.38     | 22.47       |
|             |            | 16QAM      | 1                | 0         | 23.00         | 22.53                  | 22.27     | 22.62       |
|             |            |            | 1                | 24        | 23.00         | 22.67                  | 22.39     | 22.65       |
|             |            |            | 1                | 49        | 23.00         | 22.73                  | 22.45     | 22.78       |
|             |            |            | 25               | 0         | 21.50         | 21.37                  | 21.39     | 21.40       |
|             |            |            | 25               | 12        | 21.50         | 21.47                  | 21.44     | 21.44       |
|             |            |            | 25               | 24        | 21.50         | 21.39                  | 21.43     | 21.43       |
|             |            |            | 50               | 0         | 21.50         | 21.36                  | 21.36     | 21.36       |

| Band        | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |            |              |
|-------------|------------|------------|------------------|-----------|---------------|------------------------|------------|--------------|
|             |            |            | RB Size          | RB Offset |               | 40265/2557.5           | 40740/2605 | 41215/2652.5 |
| LTE Band 41 | 5MHz       | QPSK       | 1                | 0         | 24.50         | 24.12                  | 24.19      | 23.76        |
|             |            |            | 1                | 12        | 24.50         | 24.11                  | 24.21      | 23.74        |
|             |            |            | 1                | 24        | 24.50         | 24.12                  | 24.15      | 23.76        |
|             |            |            | 12               | 0         | 23.50         | 23.08                  | 23.04      | 22.71        |
|             |            |            | 12               | 6         | 23.50         | 23.05                  | 23.05      | 22.72        |
|             |            |            | 12               | 11        | 23.50         | 23.04                  | 23.01      | 22.73        |
|             |            |            | 25               | 0         | 23.50         | 23.02                  | 23.04      | 22.72        |
|             |            | 16QAM      | 1                | 0         | 23.50         | 23.03                  | 23.00      | 22.47        |
|             |            |            | 1                | 12        | 23.50         | 23.02                  | 23.06      | 22.46        |
|             |            |            | 1                | 24        | 23.50         | 23.05                  | 23.04      | 22.89        |

|             |            |            | 12               | 0         | 22.50         | 21.99                  | 22.06      | 21.73        |
|-------------|------------|------------|------------------|-----------|---------------|------------------------|------------|--------------|
|             |            |            | 12               | 6         | 22.50         | 22.05                  | 22.00      | 21.75        |
|             |            |            | 12               | 11        | 22.50         | 21.95                  | 22.02      | 21.77        |
|             |            |            | 25               | 0         | 22.50         | 22.10                  | 21.99      | 21.80        |
| Band        | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |            |              |
|             |            |            | RB Size          | RB Offset |               | 40290/2560             | 40740/2605 | 41190/2650   |
| LTE Band 41 | 10MHz      | QPSK       | 1                | 0         | 24.50         | 23.91                  | 23.96      | 23.76        |
|             |            |            | 1                | 24        | 24.50         | 23.97                  | 24.02      | 23.78        |
|             |            |            | 1                | 49        | 24.50         | 24.09                  | 24.05      | 23.74        |
|             |            |            | 25               | 0         | 23.50         | 23.00                  | 23.03      | 22.72        |
|             |            |            | 25               | 12        | 23.50         | 23.03                  | 23.00      | 22.71        |
|             |            |            | 25               | 24        | 23.50         | 23.04                  | 23.00      | 22.70        |
|             |            | 16QAM      | 50               | 0         | 23.50         | 23.06                  | 23.04      | 22.74        |
|             |            |            | 1                | 0         | 23.50         | 22.86                  | 22.76      | 22.77        |
|             |            |            | 1                | 24        | 23.50         | 23.02                  | 22.91      | 22.78        |
|             |            |            | 1                | 49        | 23.50         | 22.76                  | 22.84      | 22.81        |
|             |            |            | 25               | 0         | 22.50         | 22.01                  | 22.05      | 21.70        |
|             |            |            | 25               | 12        | 22.50         | 22.00                  | 22.02      | 21.77        |
|             |            |            | 25               | 24        | 22.50         | 22.05                  | 22.03      | 21.70        |
|             |            |            | 50               | 0         | 22.50         | 22.05                  | 22.01      | 21.72        |
| Band        | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |            |              |
|             |            |            | RB Size          | RB Offset |               | 40315/2562.5           | 40740/2605 | 41165/2647.5 |
| LTE Band 41 | 15MHz      | QPSK       | 1                | 0         | 24.50         | 23.96                  | 23.82      | 23.69        |
|             |            |            | 1                | 37        | 24.50         | 24.08                  | 24.07      | 23.68        |
|             |            |            | 1                | 74        | 24.50         | 24.03                  | 23.94      | 23.57        |
|             |            |            | 36               | 0         | 23.50         | 22.91                  | 22.97      | 22.71        |
|             |            |            | 36               | 18        | 23.50         | 22.97                  | 22.98      | 22.69        |
|             |            |            | 36               | 37        | 23.50         | 23.02                  | 22.95      | 22.65        |
|             |            |            | 75               | 0         | 23.50         | 23.01                  | 22.95      | 22.76        |
|             |            | 16QAM      | 1                | 0         | 23.50         | 22.76                  | 22.93      | 22.61        |
|             |            |            | 1                | 37        | 23.50         | 23.10                  | 23.05      | 22.62        |
|             |            |            | 1                | 74        | 23.50         | 23.12                  | 23.18      | 22.50        |
|             |            |            | 36               | 0         | 22.50         | 21.94                  | 21.97      | 21.72        |
|             |            |            | 36               | 18        | 22.50         | 21.95                  | 21.99      | 21.67        |
|             |            |            | 36               | 37        | 22.50         | 22.03                  | 22.00      | 21.69        |
|             |            |            | 75               | 0         | 22.50         | 21.96                  | 22.01      | 21.72        |
| Band        | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |            |              |
|             |            |            | RB Size          | RB Offset |               | 40340/2565             | 40740/2605 | 41140/2645   |
| LTE Band 41 | 20MHz      | QPSK       | 1                | 0         | 24.50         | 23.83                  | 23.75      | 23.72        |
|             |            |            | 1                | 49        | 24.50         | 23.90                  | 24.05      | 23.79        |
|             |            |            | 1                | 99        | 24.50         | 23.92                  | 23.88      | 23.66        |
|             |            |            | 50               | 0         | 23.50         | 22.99                  | 22.95      | 22.76        |
|             |            |            | 50               | 24        | 23.50         | 22.99                  | 23.01      | 22.77        |
|             |            |            | 50               | 49        | 23.50         | 23.03                  | 23.03      | 22.75        |
|             |            |            | 100              | 0         | 23.50         | 22.98                  | 23.01      | 22.78        |
|             |            | 16QAM      | 1                | 0         | 23.50         | 22.96                  | 22.95      | 22.97        |
|             |            |            | 1                | 49        | 23.50         | 23.23                  | 22.73      | 22.69        |
|             |            |            | 1                | 99        | 23.50         | 22.61                  | 22.70      | 22.61        |
|             |            |            | 50               | 0         | 22.50         | 21.97                  | 21.91      | 21.78        |
|             |            |            | 50               | 24        | 22.50         | 21.98                  | 22.01      | 21.76        |

|  |  |  |     |    |       |       |       |       |
|--|--|--|-----|----|-------|-------|-------|-------|
|  |  |  | 50  | 49 | 22.50 | 22.06 | 21.93 | 21.72 |
|  |  |  | 100 | 0  | 22.00 | 22.00 | 21.95 | 21.76 |

| Band        | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |             |               |
|-------------|------------|------------|------------------|-----------|---------------|------------------------|-------------|---------------|
|             |            |            | RB Size          | RB Offset |               | 131979/1710.7          | 132322/1745 | 132665/1779.3 |
| LTE Band 66 | 1.4MHz     | QPSK       | 1                | 0         | 24.00         | 23.57                  | 23.23       | 23.52         |
|             |            |            | 1                | 2         | 24.00         | 23.56                  | 23.23       | 23.53         |
|             |            |            | 1                | 5         | 24.00         | 23.55                  | 23.24       | 23.53         |
|             |            |            | 3                | 0         | 24.50         | 23.63                  | 23.81       | 24.05         |
|             |            |            | 3                | 1         | 24.50         | 23.63                  | 23.80       | 24.06         |
|             |            |            | 3                | 2         | 24.50         | 23.61                  | 23.82       | 24.06         |
|             |            | 16QAM      | 6                | 0         | 23.50         | 22.65                  | 22.79       | 23.18         |
|             |            |            | 1                | 0         | 23.00         | 22.27                  | 22.47       | 22.49         |
|             |            |            | 1                | 2         | 23.00         | 22.33                  | 22.48       | 22.54         |
|             |            |            | 1                | 5         | 23.00         | 22.25                  | 22.46       | 22.49         |
|             |            |            | 3                | 0         | 23.50         | 22.59                  | 22.71       | 23.06         |
|             |            |            | 3                | 1         | 23.50         | 22.58                  | 22.70       | 23.07         |
|             |            |            | 3                | 2         | 23.50         | 22.56                  | 22.69       | 23.07         |
|             |            |            | 6                | 0         | 22.50         | 21.70                  | 21.67       | 22.15         |
| Band        | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |             |               |
|             |            |            | RB Size          | RB Offset |               | 131987/1711.5          | 132322/1745 | 132657/1778.5 |
| LTE Band 66 | 3MHz       | QPSK       | 1                | 0         | 24.00         | 23.04                  | 23.22       | 23.60         |
|             |            |            | 1                | 7         | 24.00         | 23.11                  | 23.24       | 23.65         |
|             |            |            | 1                | 14        | 24.00         | 23.10                  | 23.14       | 23.62         |
|             |            |            | 8                | 0         | 23.50         | 22.59                  | 22.74       | 23.06         |
|             |            |            | 8                | 4         | 23.50         | 22.62                  | 22.66       | 23.07         |
|             |            |            | 8                | 7         | 23.50         | 22.68                  | 22.67       | 23.06         |
|             |            |            | 15               | 0         | 23.50         | 22.65                  | 22.69       | 23.07         |
|             |            | 16QAM      | 1                | 0         | 23.00         | 22.31                  | 22.08       | 22.78         |
|             |            |            | 1                | 7         | 23.00         | 22.32                  | 22.11       | 22.84         |
|             |            |            | 1                | 14        | 23.00         | 22.31                  | 22.10       | 22.77         |
|             |            |            | 8                | 0         | 22.50         | 21.65                  | 21.75       | 22.15         |
|             |            |            | 8                | 4         | 22.50         | 21.65                  | 21.72       | 22.14         |
|             |            |            | 8                | 7         | 22.50         | 21.70                  | 21.70       | 22.17         |
|             |            |            | 15               | 0         | 22.50         | 21.57                  | 21.60       | 22.10         |
| Band        | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |             |               |
|             |            |            | RB Size          | RB Offset |               | 131997/1712.5          | 132322/1745 | 132647/1777.5 |
| LTE Band 66 | 5MHz       | QPSK       | 1                | 0         | 24.00         | 23.20                  | 23.35       | 23.67         |
|             |            |            | 1                | 12        | 24.00         | 23.24                  | 23.32       | 23.72         |
|             |            |            | 1                | 24        | 24.00         | 23.25                  | 23.33       | 23.76         |
|             |            |            | 12               | 0         | 23.50         | 22.59                  | 22.72       | 23.08         |
|             |            |            | 12               | 6         | 23.50         | 22.66                  | 22.73       | 23.07         |
|             |            |            | 12               | 11        | 23.50         | 22.69                  | 22.70       | 23.03         |
|             |            |            | 25               | 0         | 23.50         | 22.68                  | 22.71       | 23.07         |
|             |            | 16QAM      | 1                | 0         | 23.00         | 22.30                  | 22.42       | 22.57         |
|             |            |            | 1                | 12        | 23.00         | 22.36                  | 22.36       | 22.58         |
|             |            |            | 1                | 24        | 23.00         | 22.41                  | 22.37       | 22.60         |
|             |            |            | 12               | 0         | 22.50         | 21.64                  | 21.79       | 22.12         |

|             |            |            | 12               | 6         | 22.50         | 21.73                  | 21.75       | 22.08         |
|-------------|------------|------------|------------------|-----------|---------------|------------------------|-------------|---------------|
|             |            |            | 12               | 11        | 22.50         | 21.75                  | 21.69       | 22.06         |
|             |            |            | 25               | 0         | 22.50         | 21.68                  | 21.76       | 22.11         |
| Band        | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |             |               |
|             |            |            | RB Size          | RB Offset |               | 132022/1715            | 132322/1745 | 132622/1775   |
| LTE Band 66 | 10MHz      | QPSK       | 1                | 0         | 24.00         | 23.04                  | 23.24       | 23.42         |
|             |            |            | 1                | 24        | 24.00         | 23.14                  | 23.27       | 23.58         |
|             |            |            | 1                | 49        | 24.00         | 23.09                  | 23.18       | 23.61         |
|             |            |            | 25               | 0         | 23.50         | 22.61                  | 22.74       | 22.95         |
|             |            |            | 25               | 12        | 23.50         | 22.69                  | 22.68       | 23.04         |
|             |            |            | 25               | 24        | 23.50         | 22.76                  | 22.75       | 23.08         |
|             |            |            | 50               | 0         | 23.50         | 22.67                  | 22.76       | 23.06         |
|             |            | 16QAM      | 1                | 0         | 23.00         | 22.25                  | 22.13       | 22.57         |
|             |            |            | 1                | 24        | 23.00         | 22.37                  | 22.14       | 22.73         |
|             |            |            | 1                | 49        | 23.00         | 22.32                  | 22.07       | 22.76         |
|             |            |            | 25               | 0         | 22.50         | 21.62                  | 21.74       | 21.94         |
|             |            |            | 25               | 12        | 22.50         | 21.71                  | 21.75       | 22.05         |
|             |            |            | 25               | 24        | 22.50         | 21.78                  | 21.78       | 22.07         |
|             |            |            | 50               | 0         | 22.50         | 21.67                  | 21.75       | 22.02         |
| Band        | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |             |               |
|             |            |            | RB Size          | RB Offset |               | 132047/1717.5          | 132322/1745 | 132597/1772.5 |
| LTE Band 66 | 15MHz      | QPSK       | 1                | 0         | 24.00         | 22.98                  | 23.21       | 23.27         |
|             |            |            | 1                | 37        | 24.00         | 23.10                  | 23.25       | 23.51         |
|             |            |            | 1                | 74        | 24.00         | 23.05                  | 23.11       | 23.53         |
|             |            |            | 36               | 0         | 23.50         | 22.53                  | 22.66       | 22.94         |
|             |            |            | 36               | 18        | 23.50         | 22.63                  | 22.64       | 22.95         |
|             |            |            | 36               | 37        | 23.50         | 22.67                  | 22.70       | 23.03         |
|             |            |            | 75               | 0         | 23.50         | 22.63                  | 22.72       | 23.01         |
|             |            | 16QAM      | 1                | 0         | 23.00         | 22.27                  | 22.11       | 22.45         |
|             |            |            | 1                | 37        | 23.00         | 22.40                  | 22.11       | 22.65         |
|             |            |            | 1                | 74        | 23.00         | 22.37                  | 21.99       | 22.72         |
|             |            |            | 36               | 0         | 22.50         | 21.62                  | 21.62       | 21.93         |
|             |            |            | 36               | 18        | 22.50         | 21.76                  | 21.62       | 21.95         |
|             |            |            | 36               | 37        | 22.50         | 21.71                  | 21.64       | 22.06         |
|             |            |            | 75               | 0         | 22.00         | 21.66                  | 21.70       | 21.97         |
| Band        | Band Width | Modulation | RB Configuration |           | Tune-up (dBm) | Channel/Frequency(MHz) |             |               |
|             |            |            | RB Size          | RB Offset |               | 132072/1720            | 132322/1745 | 132572/1770   |
| LTE Band 66 | 20MHz      | QPSK       | 1                | 0         | 24.00         | 22.98                  | 23.04       | 23.26         |
|             |            |            | 1                | 49        | 24.00         | 23.18                  | 23.14       | 23.55         |
|             |            |            | 1                | 99        | 24.00         | 23.16                  | 22.98       | 23.62         |
|             |            |            | 50               | 0         | 23.50         | 22.55                  | 22.70       | 22.88         |
|             |            |            | 50               | 24        | 23.50         | 22.73                  | 22.81       | 22.96         |
|             |            |            | 50               | 49        | 23.50         | 22.80                  | 22.75       | 23.10         |
|             |            |            | 100              | 0         | 23.00         | 22.68                  | 22.72       | 23.00         |
|             |            | 16QAM      | 1                | 0         | 23.00         | 22.16                  | 22.18       | 22.33         |
|             |            |            | 1                | 49        | 23.00         | 22.39                  | 22.31       | 22.62         |
|             |            |            | 1                | 99        | 23.00         | 22.32                  | 22.15       | 22.64         |
|             |            |            | 50               | 0         | 22.50         | 21.53                  | 21.73       | 21.86         |

|  |  |  |     |    |       |       |       |       |
|--|--|--|-----|----|-------|-------|-------|-------|
|  |  |  | 50  | 24 | 22.50 | 21.75 | 21.79 | 21.93 |
|  |  |  | 50  | 49 | 22.50 | 21.79 | 21.79 | 22.04 |
|  |  |  | 100 | 0  | 22.00 | 21.65 | 21.70 | 21.97 |

#### 8.4. Wi-Fi & BT Output Power

| Mode           | Channel | Frequency (MHz) | Tune-up (dBm) | Output Power (dBm) |
|----------------|---------|-----------------|---------------|--------------------|
| 802.11b        | 1       | 2412            | 17.00         | 16.83              |
|                | 6       | 2437            | 13.00         | 12.98              |
|                | 11      | 2462            | 13.50         | 13.22              |
| 802.11g        | 1       | 2412            | 14.50         | 14.03              |
|                | 6       | 2437            | 11.50         | 11.40              |
|                | 11      | 2462            | 11.50         | 11.37              |
| 802.11n (HT20) | 1       | 2412            | 16.00         | 15.93              |
|                | 6       | 2437            | 13.50         | 13.10              |
|                | 11      | 2462            | 13.50         | 12.98              |
| 802.11n (H40)  | 3       | 2422            | 16.00         | 15.74              |
|                | 6       | 2437            | 14.00         | 13.69              |
|                | 9       | 2452            | 14.00         | 13.22              |

| Mode           | Frequency (MHz) | Tune-up (dBm) | Output Power (dBm) |
|----------------|-----------------|---------------|--------------------|
| 802.11A        | 5180            | 7.00          | 6.74               |
|                | 5200            | 7.00          | 6.85               |
|                | 5240            | 7.00          | 6.45               |
| 802.11N20SISO  | 5180            | 7.50          | 7.34               |
|                | 5200            | 7.50          | 7.05               |
|                | 5240            | 7.50          | 6.67               |
| 802.11N40SISO  | 5190            | 7.50          | 7.08               |
|                | 5230            | 7.50          | 6.37               |
| 802.11AC20SISO | 5180            | 7.50          | 7.36               |
|                | 5200            | 7.50          | 7.03               |
|                | 5240            | 7.50          | 6.86               |
| 802.11AC40SISO | 5190            | 7.50          | 7.09               |
|                | 5230            | 7.50          | 6.42               |
| 802.11AC80SISO | 5210            | 6.50          | 6.32               |

| Mode           | Frequency (MHz) | Tune-up (dBm) | Output Power (dBm) |
|----------------|-----------------|---------------|--------------------|
| 802.11A        | 5745            | 9.00          | 8.25               |
|                | 5785            | 9.00          | 8.68               |
|                | 5825            | 9.00          | 7.79               |
| 802.11N20SISO  | 5745            | 9.50          | 8.72               |
|                | 5785            | 9.50          | 9.32               |
|                | 5825            | 9.50          | 8.50               |
| 802.11N40SISO  | 5755            | 9.50          | 8.76               |
|                | 5795            | 9.50          | 9.09               |
| 802.11AC20SISO | 5745            | 9.50          | 8.65               |
|                | 5785            | 9.50          | 9.30               |
|                | 5825            | 9.50          | 8.45               |
| 802.11AC40SISO | 5755            | 9.50          | 8.71               |
|                | 5795            | 9.50          | 9.43               |
| 802.11AC80SISO | 5775            | 8.50          | 8.10               |

| BR+EDR | Output Power (dBm) |                  |            |       |       |
|--------|--------------------|------------------|------------|-------|-------|
|        | Channel            | Tune-up<br>(dBm) | Data Rates |       |       |
|        |                    |                  | 1M         | 2M    | 3M    |
|        | 0CH                | 2/0/1            | 1.79       | -0.59 | 0.42  |
|        | 39CH               | 2/0/1            | 1.94       | -0.01 | 0.30  |
|        | 78CH               | 2/0/0            | 1.15       | -0.86 | -0.62 |

| Mode  | Channel | Tune-up<br>(dBm) | Output Power<br>(dBm) |
|-------|---------|------------------|-----------------------|
| BLE1M | CH00    | 3.00             | 2.96                  |
|       | CH19    | 3.00             | 2.74                  |
|       | CH39    | 2.00             | 1.59                  |
| BLE2M | CH00    | 3.00             | 2.91                  |
|       | CH19    | 3.00             | 2.68                  |
|       | CH39    | 2.00             | 1.60                  |

## 8.5. NFC

| Frequency<br>(MHz) | Field strength<br>(dBuV/m) | EIRP(dBm) | tune-up(dBm) |
|--------------------|----------------------------|-----------|--------------|
| 13.56MHz           | 63.39                      | -31.88    | -31.00       |

Note:

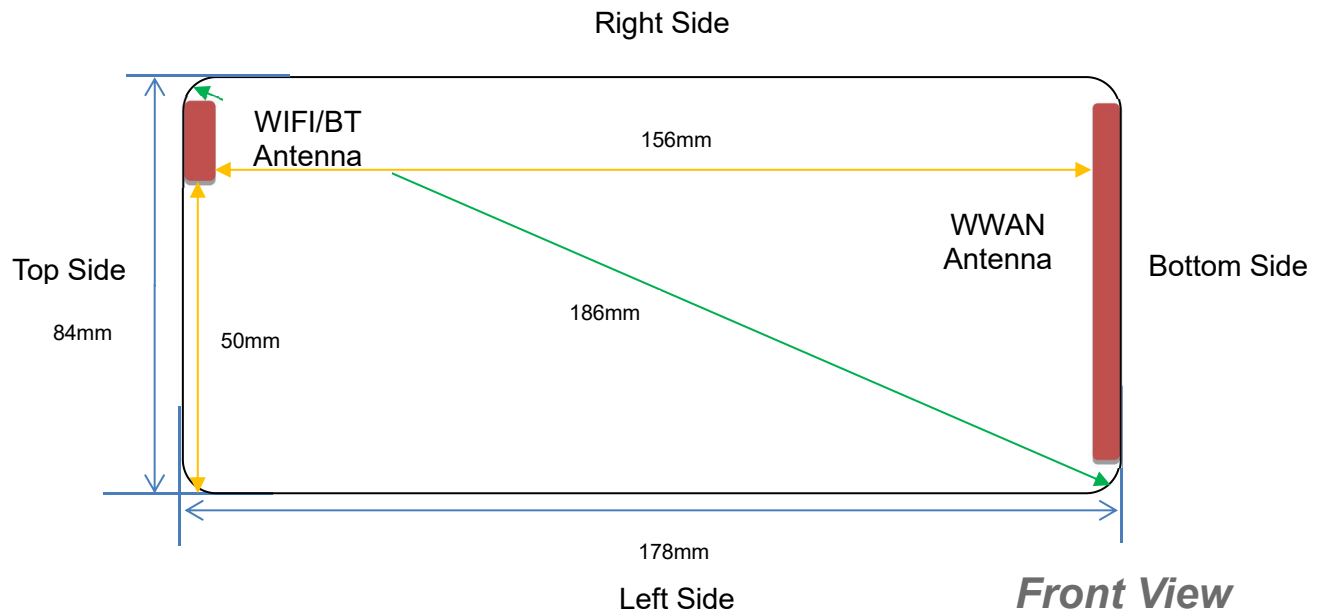
$E = \text{EIRP} - 20\log D + 104.8$

where:

E = electric field strength in dBuV/m,  
EIRP = equivalent isotropic radiated power in dBm  
D = specified measurement distance in meters.

$\text{EIRP} = E - 104.8 + 20\log D$ ,  $D=3$

## 9. Antenna Location



Antenna information:

| Distance of The Antenna to the EUT surface and edge (mm) |            |           |           |            |          |             |
|----------------------------------------------------------|------------|-----------|-----------|------------|----------|-------------|
| Antennas                                                 | Front Side | Back Side | Left Side | Right Side | Top Side | Bottom Side |
| BT/WLAN                                                  | ≤25mm      | ≤25mm     | >25mm     | ≤25mm      | ≤25mm    | >25mm       |
| WWAN                                                     | ≤25mm      | ≤25mm     | ≤25mm     | ≤25mm      | >25mm    | ≤25mm       |

| Positions for SAR tests |            |           |           |            |          |             |
|-------------------------|------------|-----------|-----------|------------|----------|-------------|
| Antennas                | Front Side | Back Side | Left Side | Right Side | Top Side | Bottom Side |
| BT/WLAN                 | Yes        | Yes       | NO        | Yes        | Yes      | NO          |
| WWAN                    | Yes        | Yes       | Yes       | Yes        | NO       | Yes         |

## 10. Stand-alone SAR test exclusion

Refer to FCC KDB 447498D01, the 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where:

- $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion.

| Mode      | Pmax (dBm) | Pmax (mW) | Distance (mm) | f (GHz) | Calculation Result | SAR Exclusion threshold | SAR test exclusion |
|-----------|------------|-----------|---------------|---------|--------------------|-------------------------|--------------------|
| Bluetooth | 3.00       | 2.00      | 5             | 2.480   | 0.6                | 3                       | YES                |

NOTE: Standalone SAR test exclusion for Bluetooth.

Refer to FCC KDB 447498D01, Appendix C.

| Mode | Pmax (dBm) | Pmax (mW) | Distance (mm) | f (MHz) | SAR Exclusion threshold(mW) | SAR test exclusion |
|------|------------|-----------|---------------|---------|-----------------------------|--------------------|
| NFC  | -31.00     | 0.00      | 5             | 13.56   | 443                         | Yes                |

NOTE: Standalone SAR test exclusion for NFC.

When standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})/x}] \leq 3.0$  W/kg for test separation distances  $\leq 50$ mm, where  $x = 7.5$  for 1-g SAR and  $x = 18.75$  for 10-g SAR.

When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion.

| Mode      | Position | Pmax (dBm) | Pmax (mW) | Distance (mm) | f (GHz) | x   | Estimated SAR (W/kg) |
|-----------|----------|------------|-----------|---------------|---------|-----|----------------------|
| Bluetooth | Head     | 3.00       | 2.00      | 5             | 2.48    | 7.5 | 0.084                |
| Bluetooth | Body     | 3.00       | 2.00      | 5             | 2.48    | 7.5 | 0.084                |

|           |         |        |      |   |         |     |       |
|-----------|---------|--------|------|---|---------|-----|-------|
| Bluetooth | Hotspot | 3.00   | 2.00 | 5 | 2.48    | 7.5 | 0.084 |
| NFC       | Head    | -31.00 | 0.00 | 5 | 0.01356 | 7.5 | 0.000 |
| NFC       | Body    | -31.00 | 0.00 | 5 | 0.01356 | 7.5 | 0.000 |
| NFC       | Hotspot | -31.00 | 0.00 | 5 | 0.01356 | 7.5 | 0.000 |

NOTE: Estimated SAR calculation for Bluetooth and NFC.

## 11. SAR Measurement Results

### < GSM 850 >

| Test Position        | Test channel /Freq. | Test Mode      | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|----------------------|---------------------|----------------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                      |                     |                | 1g               | 10g   |                   |                       |                     |                          |           |      |
| Left Cheek           | 189/836.4           | GPRS(GMSK 2TS) | 0.212            | 0.118 | -2.26             | 32.32                 | 32.50               | 0.221                    | 2026/9/12 | #1   |
| Left Tilt 15 Degree  | 189/836.4           | GPRS(GMSK 2TS) | 0.127            | 0.069 | 2.00              | 32.32                 | 32.50               | 0.132                    | 2026/9/12 |      |
| Right Cheek          | 189/836.4           | GPRS(GMSK 2TS) | 0.199            | 0.111 | -2.60             | 32.32                 | 32.50               | 0.207                    | 2026/9/12 |      |
| Right Tilt 15 Degree | 189/836.4           | GPRS(GMSK 2TS) | 0.101            | 0.054 | -1.98             | 32.32                 | 32.50               | 0.105                    | 2026/9/12 |      |

| Test Position of Hotspot with 5mm | Test channel /Freq. | Test Mode      | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|-----------------------------------|---------------------|----------------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                                   |                     |                | 1g               | 10g   |                   |                       |                     |                          |           |      |
| Front Side                        | 189/836.4           | GPRS(GMSK 2TS) | 0.288            | 0.164 | -1.82             | 32.32                 | 32.50               | 0.300                    | 2026/9/12 |      |
| Back Side                         | 189/836.4           | GPRS(GMSK 2TS) | 0.464            | 0.265 | 4.73              | 32.32                 | 32.50               | 0.484                    | 2026/9/12 | #2   |
| Left Side                         | 189/836.4           | GPRS(GMSK 2TS) | 0.153            | 0.085 | -1.81             | 32.32                 | 32.50               | 0.159                    | 2026/9/12 |      |
| Right Side                        | 189/836.4           | GPRS(GMSK 2TS) | 0.155            | 0.088 | -0.42             | 32.32                 | 32.50               | 0.162                    | 2026/9/12 |      |
| Bottom Side                       | 189/836.4           | GPRS(GMSK 2TS) | 0.235            | 0.130 | 2.17              | 32.32                 | 32.50               | 0.245                    | 2026/9/12 |      |

**<GSM 1900>**

| Test Position        | Test channel /Freq. | Test Mode      | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|----------------------|---------------------|----------------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                      |                     |                | 1g               | 10g   |                   |                       |                     |                          |           |      |
| Left Cheek           | 661/1880            | GPRS(GMSK 2TS) | 0.493            | 0.263 | -3.00             | 29.07                 | 29.50               | 0.544                    | 2026/9/17 | #3   |
| Left Tilt 15 Degree  | 661/1880            | GPRS(GMSK 2TS) | 0.273            | 0.141 | -3.93             | 29.07                 | 29.50               | 0.301                    | 2026/9/17 |      |
| Right Cheek          | 661/1880            | GPRS(GMSK 2TS) | 0.434            | 0.222 | -2.71             | 29.07                 | 29.50               | 0.479                    | 2026/9/17 |      |
| Right Tilt 15 Degree | 661/1880            | GPRS(GMSK 2TS) | 0.222            | 0.115 | -3.73             | 29.07                 | 29.50               | 0.245                    | 2026/9/17 |      |

| Test Position of Hotspot with 5mm | Test channel /Freq. | Test Mode      | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|-----------------------------------|---------------------|----------------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                                   |                     |                | 1g               | 10g   |                   |                       |                     |                          |           |      |
| Front Side                        | 661/1880            | GPRS(GMSK 2TS) | 0.228            | 0.136 | 3.61              | 29.07                 | 29.50               | 0.252                    | 2026/9/17 |      |
| Back Side                         | 661/1880            | GPRS(GMSK 2TS) | 0.377            | 0.235 | 2.71              | 29.07                 | 29.50               | 0.416                    | 2026/9/17 | #4   |
| Left Side                         | 661/1880            | GPRS(GMSK 2TS) | 0.123            | 0.076 | 2.21              | 29.07                 | 29.50               | 0.136                    | 2026/9/17 |      |
| Right Side                        | 661/1880            | GPRS(GMSK 2TS) | 0.125            | 0.078 | -3.61             | 29.07                 | 29.50               | 0.138                    | 2026/9/17 |      |
| Bottom Side                       | 661/1880            | GPRS(GMSK 2TS) | 0.205            | 0.127 | -1.09             | 29.07                 | 29.50               | 0.226                    | 2026/9/17 |      |

**<WCDMA Band 2>**

| Test Position        | Test channel /Freq. | Test Mode | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|----------------------|---------------------|-----------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                      |                     |           | 1g               | 10g   |                   |                       |                     |                          |           |      |
| Left Cheek           | 9400/1880           | RMC12.2K  | 0.530            | 0.355 | 3.90              | 22.93                 | 23.50               | 0.604                    | 2026/9/17 | #5   |
| Left Tilt 15 Degree  | 9400/1880           | RMC12.2K  | 0.308            | 0.196 | -1.16             | 22.93                 | 23.50               | 0.351                    | 2026/9/17 |      |
| Right Cheek          | 9400/1880           | RMC12.2K  | 0.494            | 0.318 | -3.93             | 22.93                 | 23.50               | 0.563                    | 2026/9/17 |      |
| Right Tilt 15 Degree | 9400/1880           | RMC12.2K  | 0.242            | 0.162 | 3.71              | 22.93                 | 23.50               | 0.276                    | 2026/9/17 |      |

| Test Position of Hotspot with 5mm | Test channel /Freq. | Test Mode | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|-----------------------------------|---------------------|-----------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                                   |                     |           | 1g               | 10g   |                   |                       |                     |                          |           |      |
| Front Side                        | 9400/1880           | RMC12.2K  | 0.246            | 0.147 | -2.73             | 22.93                 | 23.50               | 0.281                    | 2026/9/17 |      |
| Back Side                         | 9400/1880           | RMC12.2K  | 0.403            | 0.245 | 3.39              | 22.93                 | 23.50               | 0.460                    | 2026/9/17 | #6   |
| Left Side                         | 9400/1880           | RMC12.2K  | 0.129            | 0.075 | -3.98             | 22.93                 | 23.50               | 0.147                    | 2026/9/17 |      |
| Right Side                        | 9400/1880           | RMC12.2K  | 0.132            | 0.078 | -2.25             | 22.93                 | 23.50               | 0.151                    | 2026/9/17 |      |
| Bottom Side                       | 9400/1880           | RMC12.2K  | 0.220            | 0.132 | -2.76             | 22.93                 | 23.50               | 0.251                    | 2026/9/17 |      |

**<WCDMA Band 4>**

| Test Position        | Test channel /Freq. | Test Mode | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|----------------------|---------------------|-----------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                      |                     |           | 1g               | 10g   |                   |                       |                     |                          |           |      |
| Left Cheek           | 1413/1732.6         | RMC12.2K  | 0.398            | 0.163 | 4.43              | 22.75                 | 23.00               | 0.422                    | 2026/9/13 | #7   |
| Left Tilt 15 Degree  | 1413/1732.6         | RMC12.2K  | 0.234            | 0.093 | 3.78              | 22.75                 | 23.00               | 0.248                    | 2026/9/13 |      |
| Right Cheek          | 1413/1732.6         | RMC12.2K  | 0.356            | 0.140 | 3.40              | 22.75                 | 23.00               | 0.377                    | 2026/9/13 |      |
| Right Tilt 15 Degree | 1413/1732.6         | RMC12.2K  | 0.162            | 0.065 | -2.09             | 22.75                 | 23.00               | 0.172                    | 2026/9/13 |      |

| Test Position of Hotspot with 5mm | Test channel /Freq. | Test Mode | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|-----------------------------------|---------------------|-----------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                                   |                     |           | 1g               | 10g   |                   |                       |                     |                          |           |      |
| Front Side                        | 1413/1732.6         | RMC12.2K  | 0.300            | 0.169 | -3.91             | 22.75                 | 23.00               | 0.318                    | 2026/9/13 |      |
| Back Side                         | 1413/1732.6         | RMC12.2K  | 0.467            | 0.269 | 0.56              | 22.75                 | 23.00               | 0.495                    | 2026/9/13 | #8   |
| Left Side                         | 1413/1732.6         | RMC12.2K  | 0.153            | 0.087 | -1.29             | 22.75                 | 23.00               | 0.162                    | 2026/9/13 |      |
| Right Side                        | 1413/1732.6         | RMC12.2K  | 0.155            | 0.090 | 3.20              | 22.75                 | 23.00               | 0.164                    | 2026/9/13 |      |
| Bottom Side                       | 1413/1732.6         | RMC12.2K  | 0.250            | 0.141 | -2.25             | 22.75                 | 23.00               | 0.265                    | 2026/9/13 |      |

**<WCDMA Band 5>**

| Test Position        | Test channel /Freq. | Test Mode | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|----------------------|---------------------|-----------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                      |                     |           | 1g               | 10g   |                   |                       |                     |                          |           |      |
| Left Cheek           | 4182/836.4          | RMC12.2K  | 0.361            | 0.234 | 0.97              | 24.01                 | 24.50               | 0.404                    | 2026/9/12 | #9   |
| Left Tilt 15 Degree  | 4182/836.4          | RMC12.2K  | 0.210            | 0.133 | 3.74              | 24.01                 | 24.50               | 0.235                    | 2026/9/12 |      |
| Right Cheek          | 4182/836.4          | RMC12.2K  | 0.320            | 0.197 | -2.55             | 24.01                 | 24.50               | 0.358                    | 2026/9/12 |      |
| Right Tilt 15 Degree | 4182/836.4          | RMC12.2K  | 0.156            | 0.096 | -0.27             | 24.01                 | 24.50               | 0.175                    | 2026/9/12 |      |

| Test Position of Hotspot with 5mm | Test channel /Freq. | Test Mode | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|-----------------------------------|---------------------|-----------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                                   |                     |           | 1g               | 10g   |                   |                       |                     |                          |           |      |
| Front Side                        | 4182/836.4          | RMC12.2K  | 0.132            | 0.071 | -2.37             | 24.01                 | 24.50               | 0.148                    | 2026/9/12 |      |
| Back Side                         | 4182/836.4          | RMC12.2K  | 0.217            | 0.121 | -1.43             | 24.01                 | 24.50               | 0.243                    | 2026/9/12 | #10  |
| Left Side                         | 4182/836.4          | RMC12.2K  | 0.072            | 0.039 | 1.03              | 24.01                 | 24.50               | 0.081                    | 2026/9/12 |      |
| Right Side                        | 4182/836.4          | RMC12.2K  | 0.075            | 0.041 | -0.45             | 24.01                 | 24.50               | 0.084                    | 2026/9/12 |      |
| Bottom Side                       | 4182/836.4          | RMC12.2K  | 0.125            | 0.070 | 3.91              | 24.01                 | 24.50               | 0.140                    | 2026/9/12 |      |

## &lt;LTE Band 2&gt;

| Test Position        | Test channel /Freq. | Test Mode       | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|----------------------|---------------------|-----------------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                      |                     |                 | 1g               | 10g   |                   |                       |                     |                          |           |      |
| 1RB                  |                     |                 |                  |       |                   |                       |                     |                          |           |      |
| Left Cheek           | 18900/1880          | 20M QPSK(1,49)  | 0.510            | 0.336 | 0.91              | 24.42                 | 24.50               | 0.519                    | 2026/9/17 | #17  |
| Left Tilt 15 Degree  | 18900/1880          | 20M QPSK(1,49)  | 0.303            | 0.198 | 1.66              | 24.42                 | 24.50               | 0.309                    | 2026/9/17 |      |
| Right Cheek          | 18900/1880          | 20M QPSK(1,49)  | 0.456            | 0.297 | 3.07              | 24.42                 | 24.50               | 0.464                    | 2026/9/17 |      |
| Right Tilt 15 Degree | 18900/1880          | 20M QPSK(1,49)  | 0.209            | 0.132 | 1.11              | 24.42                 | 24.50               | 0.213                    | 2026/9/17 |      |
| 50%RB                |                     |                 |                  |       |                   |                       |                     |                          |           |      |
| Left Cheek           | 18900/1880          | 20M QPSK(50,49) | 0.272            | 0.171 | -4.87             | 23.29                 | 23.50               | 0.285                    | 2026/9/17 |      |
| Left Tilt 15 Degree  | 18900/1880          | 20M QPSK(50,49) | 0.171            | 0.102 | 4.15              | 23.29                 | 23.50               | 0.179                    | 2026/9/17 |      |
| Right Cheek          | 18900/1880          | 20M QPSK(50,49) | 0.238            | 0.157 | 4.51              | 23.29                 | 23.50               | 0.250                    | 2026/9/17 |      |
| Right Tilt 15 Degree | 18900/1880          | 20M QPSK(50,49) | 0.117            | 0.068 | -0.32             | 23.29                 | 23.50               | 0.123                    | 2026/9/17 |      |

| Test Position of Hotspot with 5mm | Test channel /Freq. | Test Mode      | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|-----------------------------------|---------------------|----------------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                                   |                     |                | 1g               | 10g   |                   |                       |                     |                          |           |      |
| 1RB                               |                     |                |                  |       |                   |                       |                     |                          |           |      |
| Front Side                        | 18900/1880          | 20M QPSK(1,49) | 0.294            | 0.175 | -0.13             | 24.42                 | 24.50               | 0.299                    | 2026/9/17 |      |
| Back Side                         | 18900/1880          | 20M QPSK(1,49) | 0.445            | 0.273 | -0.92             | 24.42                 | 24.50               | 0.453                    | 2026/9/17 | #18  |
| Left                              | 18900/1880          | 20M QPSK(1,49) | 0.138            | 0.084 | 3.35              | 24.42                 | 24.50               | 0.141                    | 2026/9/17 |      |

|             |            |                 |       |       |       |       |       |       |           |  |
|-------------|------------|-----------------|-------|-------|-------|-------|-------|-------|-----------|--|
| Side        |            |                 |       |       |       |       |       |       |           |  |
| Right Side  | 18900/1880 | 20M QPSK(1,49)  | 0.144 | 0.088 | 1.57  | 24.42 | 24.50 | 0.147 | 2026/9/17 |  |
| Bottom Side | 18900/1880 | 20M QPSK(1,49)  | 0.235 | 0.137 | -2.80 | 24.42 | 24.50 | 0.239 | 2026/9/17 |  |
| 50%RB       |            |                 |       |       |       |       |       |       |           |  |
| Front Side  | 18900/1880 | 20M QPSK(50,49) | 0.157 | 0.104 | -3.13 | 23.29 | 23.50 | 0.165 | 2026/9/17 |  |
| Back Side   | 18900/1880 | 20M QPSK(50,49) | 0.256 | 0.151 | -3.26 | 23.29 | 23.50 | 0.269 | 2026/9/17 |  |
| Left Side   | 18900/1880 | 20M QPSK(50,49) | 0.075 | 0.043 | 0.36  | 23.29 | 23.50 | 0.079 | 2026/9/17 |  |
| Right Side  | 18900/1880 | 20M QPSK(50,49) | 0.083 | 0.047 | 1.83  | 23.29 | 23.50 | 0.087 | 2026/9/17 |  |
| Bottom Side | 18900/1880 | 20M QPSK(50,49) | 0.120 | 0.081 | 2.41  | 23.29 | 23.50 | 0.126 | 2026/9/17 |  |

#### < LTE Band 4>

| Test Position        | Test channel /Freq. | Test Mode       | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|----------------------|---------------------|-----------------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                      |                     |                 | 1g               | 10g   |                   |                       |                     |                          |           |      |
| 1RB                  |                     |                 |                  |       |                   |                       |                     |                          |           |      |
| Left Cheek           | 20175/1732.5        | 20M QPSK(1,49)  | 0.536            | 0.336 | 0.42              | 22.87                 | 23.50               | 0.620                    | 2026/9/13 | #19  |
| Left Tilt 15 Degree  | 20175/1732.5        | 20M QPSK(1,49)  | 0.275            | 0.169 | -3.71             | 22.87                 | 23.50               | 0.318                    | 2026/9/13 |      |
| Right Cheek          | 20175/1732.5        | 20M QPSK(1,49)  | 0.483            | 0.303 | 2.00              | 22.87                 | 23.50               | 0.558                    | 2026/9/13 |      |
| Right Tilt 15 Degree | 20175/1732.5        | 20M QPSK(1,49)  | 0.237            | 0.147 | -3.26             | 22.87                 | 23.50               | 0.274                    | 2026/9/13 |      |
| 50%RB                |                     |                 |                  |       |                   |                       |                     |                          |           |      |
| Left Cheek           | 20175/1732.5        | 20M QPSK(50,49) | 0.309            | 0.174 | -3.02             | 22.53                 | 23.00               | 0.344                    | 2026/9/13 |      |
| Left Tilt 15 Degree  | 20175/1732.5        | 20M QPSK(50,49) | 0.153            | 0.100 | -2.66             | 22.53                 | 23.00               | 0.170                    | 2026/9/13 |      |
| Right                | 20175/1732.5        | 20M QPSK(50,49) | 0.255            | 0.179 | -0.31             | 22.53                 | 23.00               | 0.284                    | 2026/9/13 |      |

|                            |              |                    |       |       |      |       |       |       |           |  |
|----------------------------|--------------|--------------------|-------|-------|------|-------|-------|-------|-----------|--|
| Cheek                      |              |                    |       |       |      |       |       |       |           |  |
| Right<br>Tilt 15<br>Degree | 20175/1732.5 | 20M<br>QPSK(50,49) | 0.134 | 0.083 | 4.30 | 22.53 | 23.00 | 0.149 | 2026/9/13 |  |

| Test<br>Position<br>of<br>Hotspot<br>with<br>5mm | Test channel<br>/Freq. | Test Mode          | SAR Value<br>(W/kg) |       | Power<br>Drift<br>(±5%) | Conducted<br>power<br>(dBm) | Tune-up<br>power<br>(dBm) | Scaled<br>SAR<br>1g/10g<br>(W/Kg) | Date      | Plot |
|--------------------------------------------------|------------------------|--------------------|---------------------|-------|-------------------------|-----------------------------|---------------------------|-----------------------------------|-----------|------|
|                                                  |                        |                    | 1g                  | 10g   |                         |                             |                           |                                   |           |      |
| 1RB                                              |                        |                    |                     |       |                         |                             |                           |                                   |           |      |
| Front<br>Side                                    | 20175/1732.5           | 20M<br>QPSK(1,49)  | 0.258               | 0.154 | -3.69                   | 22.87                       | 23.50                     | 0.298                             | 2026/9/13 |      |
| Back<br>Side                                     | 20175/1732.5           | 20M<br>QPSK(1,49)  | 0.427               | 0.268 | 0.59                    | 22.87                       | 23.50                     | 0.494                             | 2026/9/13 | #20  |
| Left<br>Side                                     | 20175/1732.5           | 20M<br>QPSK(1,49)  | 0.131               | 0.080 | -1.51                   | 22.87                       | 23.50                     | 0.151                             | 2026/9/13 |      |
| Right<br>Side                                    | 20175/1732.5           | 20M<br>QPSK(1,49)  | 0.133               | 0.082 | 2.86                    | 22.87                       | 23.50                     | 0.154                             | 2026/9/13 |      |
| Bottom<br>Side                                   | 20175/1732.5           | 20M<br>QPSK(1,49)  | 0.215               | 0.130 | -1.52                   | 22.87                       | 23.50                     | 0.249                             | 2026/9/13 |      |
| 50%RB                                            |                        |                    |                     |       |                         |                             |                           |                                   |           |      |
| Front<br>Side                                    | 20175/1732.5           | 20M<br>QPSK(50,49) | 0.143               | 0.079 | -0.62                   | 22.53                       | 23.00                     | 0.159                             | 2026/9/13 |      |
| Back<br>Side                                     | 20175/1732.5           | 20M<br>QPSK(50,49) | 0.237               | 0.134 | 4.33                    | 22.53                       | 23.00                     | 0.264                             | 2026/9/13 |      |
| Left<br>Side                                     | 20175/1732.5           | 20M<br>QPSK(50,49) | 0.071               | 0.046 | 4.98                    | 22.53                       | 23.00                     | 0.079                             | 2026/9/13 |      |
| Right<br>Side                                    | 20175/1732.5           | 20M<br>QPSK(50,49) | 0.073               | 0.048 | 4.63                    | 22.53                       | 23.00                     | 0.081                             | 2026/9/13 |      |
| Bottom<br>Side                                   | 20175/1732.5           | 20M<br>QPSK(50,49) | 0.112               | 0.066 | 4.14                    | 22.53                       | 23.00                     | 0.125                             | 2026/9/13 |      |

## &lt;LTE Band 5&gt;

| Test Position        | Test channel /Freq. | Test Mode      | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|----------------------|---------------------|----------------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                      |                     |                | 1g               | 10g   |                   |                       |                     |                          |           |      |
| 1RB                  |                     |                |                  |       |                   |                       |                     |                          |           |      |
| Left Cheek           | 20525/836.5         | 10M QPSK(1,24) | 0.351            | 0.223 | -0.39             | 23.83                 | 24.00               | 0.365                    | 2026/9/12 | #21  |
| Left Tilt 15 Degree  | 20525/836.5         | 10M QPSK(1,24) | 0.178            | 0.112 | -1.68             | 23.83                 | 24.00               | 0.185                    | 2026/9/12 |      |
| Right Cheek          | 20525/836.5         | 10M QPSK(1,24) | 0.324            | 0.200 | 1.06              | 23.83                 | 24.00               | 0.337                    | 2026/9/12 |      |
| Right Tilt 15 Degree | 20525/836.5         | 10M QPSK(1,24) | 0.161            | 0.100 | -2.00             | 23.83                 | 24.00               | 0.167                    | 2026/9/12 |      |
| 50%RB                |                     |                |                  |       |                   |                       |                     |                          |           |      |
| Left Cheek           | 20525/836.5         | 10M QPSK(25,0) | 0.192            | 0.124 | -2.57             | 22.80                 | 23.00               | 0.201                    | 2026/9/12 |      |
| Left Tilt 15 Degree  | 20525/836.5         | 10M QPSK(25,0) | 0.100            | 0.061 | 2.64              | 22.80                 | 23.00               | 0.105                    | 2026/9/12 |      |
| Right Cheek          | 20525/836.5         | 10M QPSK(25,0) | 0.178            | 0.099 | -2.56             | 22.80                 | 23.00               | 0.186                    | 2026/9/12 |      |
| Right Tilt 15 Degree | 20525/836.5         | 10M QPSK(25,0) | 0.082            | 0.046 | 2.03              | 22.80                 | 23.00               | 0.086                    | 2026/9/12 |      |

| Test Position of Hotspot with 5mm | Test channel /Freq. | Test Mode      | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|-----------------------------------|---------------------|----------------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                                   |                     |                | 1g               | 10g   |                   |                       |                     |                          |           |      |
| 1RB                               |                     |                |                  |       |                   |                       |                     |                          |           |      |
| Front Side                        | 20525/836.5         | 10M QPSK(1,24) | 0.282            | 0.151 | 3.81              | 23.83                 | 24.00               | 0.293                    | 2026/9/12 |      |
| Back Side                         | 20525/836.5         | 10M QPSK(1,24) | 0.446            | 0.247 | 2.12              | 23.83                 | 24.00               | 0.464                    | 2026/9/12 | #22  |
| Left                              | 20525/836.5         | 10M QPSK(1 24) | 0.144            | 0.077 | -2.10             | 23.83                 | 24.00               | 0.150                    | 2026/9/12 |      |

|             |             |                |       |       |       |       |       |       |           |  |
|-------------|-------------|----------------|-------|-------|-------|-------|-------|-------|-----------|--|
| Side        |             |                |       |       |       |       |       |       |           |  |
| Right Side  | 20525/836.5 | 10M QPSK(1,24) | 0.147 | 0.080 | -0.30 | 23.83 | 24.00 | 0.153 | 2026/9/12 |  |
| Bottom Side | 20525/836.5 | 10M QPSK(1,24) | 0.235 | 0.129 | 2.65  | 23.83 | 24.00 | 0.244 | 2026/9/12 |  |
| 50%RB       |             |                |       |       |       |       |       |       |           |  |
| Front Side  | 20525/836.5 | 10M QPSK(25,0) | 0.163 | 0.082 | -0.24 | 22.80 | 23.00 | 0.171 | 2026/9/12 |  |
| Back Side   | 20525/836.5 | 10M QPSK(25,0) | 0.227 | 0.147 | 2.61  | 22.80 | 23.00 | 0.238 | 2026/9/12 |  |
| Left Side   | 20525/836.5 | 10M QPSK(25,0) | 0.075 | 0.040 | 2.21  | 22.80 | 23.00 | 0.079 | 2026/9/12 |  |
| Right Side  | 20525/836.5 | 10M QPSK(25,0) | 0.077 | 0.043 | 1.73  | 22.80 | 23.00 | 0.081 | 2026/9/12 |  |
| Bottom Side | 20525/836.5 | 10M QPSK(25,0) | 0.125 | 0.077 | 2.80  | 22.80 | 23.00 | 0.131 | 2026/9/12 |  |

#### <LTE Band 7>

| Test Position        | Test channel /Freq. | Test Mode       | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|----------------------|---------------------|-----------------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                      |                     |                 | 1g               | 10g   |                   |                       |                     |                          |           |      |
| 1RB                  |                     |                 |                  |       |                   |                       |                     |                          |           |      |
| Left Cheek           | 21100/2535          | 20M QPSK(1,0)   | 0.374            | 0.190 | 0.54              | 23.29                 | 24.50               | 0.494                    | 2026/9/19 | #23  |
| Left Tilt 15 Degree  | 21100/2535          | 20M QPSK(1,0)   | 0.189            | 0.095 | -3.69             | 23.29                 | 24.50               | 0.250                    | 2026/9/19 |      |
| Right Cheek          | 21100/2535          | 20M QPSK(1,0)   | 0.349            | 0.174 | -1.38             | 23.29                 | 24.50               | 0.461                    | 2026/9/19 |      |
| Right Tilt 15 Degree | 21100/2535          | 20M QPSK(1,0)   | 0.180            | 0.091 | 3.40              | 23.29                 | 24.50               | 0.238                    | 2026/9/19 |      |
| 50%RB                |                     |                 |                  |       |                   |                       |                     |                          |           |      |
| Left Cheek           | 21100/2535          | 20M QPSK(50,49) | 0.210            | 0.102 | -2.94             | 23.16                 | 23.50               | 0.227                    | 2026/9/19 |      |
| Left Tilt 15 Degree  | 21100/2535          | 20M QPSK(50,49) | 0.112            | 0.054 | -3.23             | 23.16                 | 23.50               | 0.121                    | 2026/9/19 |      |
| Right                | 21100/2535          | 20M QPSK(50,49) | 0.185            | 0.096 | -3.60             | 23.16                 | 23.50               | 0.200                    | 2026/9/19 |      |

|                            |            |                    |       |       |       |       |       |       |           |  |
|----------------------------|------------|--------------------|-------|-------|-------|-------|-------|-------|-----------|--|
| Cheek                      |            |                    |       |       |       |       |       |       |           |  |
| Right<br>Tilt 15<br>Degree | 21100/2535 | 20M<br>QPSK(50,49) | 0.090 | 0.046 | -2.62 | 23.16 | 23.50 | 0.097 | 2026/9/19 |  |

| Test<br>Position<br>of<br>Hotspot<br>with<br>5mm | Test channel<br>/Freq. | Test Mode          | SAR Value<br>(W/kg) |       | Power<br>Drift<br>(±5%) | Conducted<br>power<br>(dBm) | Tune-up<br>power<br>(dBm) | Scaled<br>SAR<br>1g/10g<br>(W/Kg) | Date      | Plot |
|--------------------------------------------------|------------------------|--------------------|---------------------|-------|-------------------------|-----------------------------|---------------------------|-----------------------------------|-----------|------|
|                                                  |                        |                    | 1g                  | 10g   |                         |                             |                           |                                   |           |      |
| 1RB                                              |                        |                    |                     |       |                         |                             |                           |                                   |           |      |
| Front<br>Side                                    | 21100/2535             | 20M<br>QPSK(1,0)   | 0.258               | 0.195 | 2.59                    | 23.29                       | 24.50                     | 0.341                             | 2026/9/19 |      |
| Back<br>Side                                     | 21100/2535             | 20M<br>QPSK(1,0)   | 0.426               | 0.286 | 1.20                    | 23.29                       | 24.50                     | 0.563                             | 2026/9/19 | #24  |
| Left<br>Side                                     | 21100/2535             | 20M<br>QPSK(1,0)   | 0.141               | 0.079 | 2.57                    | 23.29                       | 24.50                     | 0.186                             | 2026/9/19 |      |
| Right<br>Side                                    | 21100/2535             | 20M<br>QPSK(1,0)   | 0.143               | 0.082 | -2.96                   | 23.29                       | 24.50                     | 0.189                             | 2026/9/19 |      |
| Bottom<br>Side                                   | 21100/2535             | 20M<br>QPSK(1,0)   | 0.235               | 0.160 | 2.12                    | 23.29                       | 24.50                     | 0.311                             | 2026/9/19 |      |
| 50%RB                                            |                        |                    |                     |       |                         |                             |                           |                                   |           |      |
| Front<br>Side                                    | 21100/2535             | 20M<br>QPSK(50,49) | 0.131               | 0.052 | -0.31                   | 23.16                       | 23.50                     | 0.142                             | 2026/9/19 |      |
| Back<br>Side                                     | 21100/2535             | 20M<br>QPSK(50,49) | 0.254               | 0.140 | 1.70                    | 23.16                       | 23.50                     | 0.275                             | 2026/9/19 |      |
| Left<br>Side                                     | 21100/2535             | 20M<br>QPSK(50,49) | 0.080               | 0.048 | 1.06                    | 23.16                       | 23.50                     | 0.087                             | 2026/9/19 |      |
| Right<br>Side                                    | 21100/2535             | 20M<br>QPSK(50,49) | 0.083               | 0.050 | -3.39                   | 23.16                       | 23.50                     | 0.090                             | 2026/9/19 |      |
| Bottom<br>Side                                   | 21100/2535             | 20M<br>QPSK(50,49) | 0.124               | 0.047 | 1.96                    | 23.16                       | 23.50                     | 0.134                             | 2026/9/19 |      |

## &lt;LTE Band 12&gt;

| Test Position        | Test channel /Freq. | Test Mode       | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|----------------------|---------------------|-----------------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                      |                     |                 | 1g               | 10g   |                   |                       |                     |                          |           |      |
| 1RB                  |                     |                 |                  |       |                   |                       |                     |                          |           |      |
| Left Cheek           | 23095/707.5         | 10M QPSK(1,49)  | 0.367            | 0.250 | 3.08              | 23.51                 | 24.00               | 0.411                    | 2026/9/11 | #25  |
| Left Tilt 15 Degree  | 23095/707.5         | 10M QPSK(1,49)  | 0.185            | 0.120 | -0.66             | 23.51                 | 24.00               | 0.207                    | 2026/9/11 |      |
| Right Cheek          | 23095/707.5         | 10M QPSK(1,49)  | 0.323            | 0.216 | -2.44             | 23.51                 | 24.00               | 0.362                    | 2026/9/11 |      |
| Right Tilt 15 Degree | 23095/707.5         | 10M QPSK(1,49)  | 0.160            | 0.104 | -3.35             | 23.51                 | 24.00               | 0.179                    | 2026/9/11 |      |
| 50%RB                |                     |                 |                  |       |                   |                       |                     |                          |           |      |
| Left Cheek           | 23095/707.5         | 10M QPSK(25,24) | 0.215            | 0.141 | -3.17             | 22.40                 | 22.50               | 0.220                    | 2026/9/11 |      |
| Left Tilt 15 Degree  | 23095/707.5         | 10M QPSK(25,24) | 0.105            | 0.065 | -3.45             | 22.40                 | 22.50               | 0.107                    | 2026/9/11 |      |
| Right Cheek          | 23095/707.5         | 10M QPSK(25,24) | 0.164            | 0.112 | 2.03              | 22.40                 | 22.50               | 0.168                    | 2026/9/11 |      |
| Right Tilt 15 Degree | 23095/707.5         | 10M QPSK(25,24) | 0.086            | 0.061 | -0.16             | 22.40                 | 22.50               | 0.088                    | 2026/9/11 |      |

| Test<br>Position<br>of<br>Hotspot<br>with<br>5mm | Test channel<br>/Freq. | Test Mode         | SAR Value<br>(W/kg) |       | Power<br>Drift<br>(±5%) | Conducted<br>power<br>(dBm) | Tune-up<br>power<br>(dBm) | Scaled<br>SAR<br>1g/10g<br>(W/Kg) | Date      | Plot |
|--------------------------------------------------|------------------------|-------------------|---------------------|-------|-------------------------|-----------------------------|---------------------------|-----------------------------------|-----------|------|
|                                                  |                        |                   | 1g                  | 10g   |                         |                             |                           |                                   |           |      |
| 1RB                                              |                        |                   |                     |       |                         |                             |                           |                                   |           |      |
| Front<br>Side                                    | 23095/707.5            | 10M<br>QPSK(1,49) | 0.312               | 0.157 | -2.92                   | 23.51                       | 24.00                     | 0.349                             | 2026/9/11 |      |
| Back<br>Side                                     | 23095/707.5            | 10M<br>QPSK(1,49) | 0.484               | 0.251 | 0.19                    | 23.51                       | 24.00                     | 0.542                             | 2026/9/11 | #26  |
| Left                                             | 23095/707.5            | 10M<br>QPSK(1,49) | 0.147               | 0.074 | -0.71                   | 23.51                       | 24.00                     | 0.165                             | 2026/9/11 |      |

|             |             |                 |       |       |       |       |       |       |           |  |
|-------------|-------------|-----------------|-------|-------|-------|-------|-------|-------|-----------|--|
| Side        |             |                 |       |       |       |       |       |       |           |  |
| Right Side  | 23095/707.5 | 10M QPSK(1,49)  | 0.150 | 0.075 | 1.57  | 23.51 | 24.00 | 0.168 | 2026/9/11 |  |
| Bottom Side | 23095/707.5 | 10M QPSK(1,49)  | 0.250 | 0.124 | 0.12  | 23.51 | 24.00 | 0.280 | 2026/9/11 |  |
| 50%RB       |             |                 |       |       |       |       |       |       |           |  |
| Front Side  | 23095/707.5 | 10M QPSK(25,24) | 0.159 | 0.093 | -3.74 | 22.40 | 22.50 | 0.163 | 2026/9/11 |  |
| Back Side   | 23095/707.5 | 10M QPSK(25,24) | 0.255 | 0.137 | -2.96 | 22.40 | 22.50 | 0.261 | 2026/9/11 |  |
| Left Side   | 23095/707.5 | 10M QPSK(25,24) | 0.074 | 0.039 | 3.77  | 22.40 | 22.50 | 0.076 | 2026/9/11 |  |
| Right Side  | 23095/707.5 | 10M QPSK(25,24) | 0.087 | 0.044 | 0.78  | 22.40 | 22.50 | 0.089 | 2026/9/11 |  |
| Bottom Side | 23095/707.5 | 10M QPSK(25,24) | 0.146 | 0.063 | -4.71 | 22.40 | 22.50 | 0.149 | 2026/9/11 |  |

#### <LTE Band 17>

| Test Position        | Test channel /Freq. | Test Mode       | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|----------------------|---------------------|-----------------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                      |                     |                 | 1g               | 10g   |                   |                       |                     |                          |           |      |
| 1RB                  |                     |                 |                  |       |                   |                       |                     |                          |           |      |
| Left Cheek           | 23790/710           | 10M QPSK(1,49)  | 0.355            | 0.237 | 1.28              | 23.50                 | 24.00               | 0.398                    | 2026/9/11 | #27  |
| Left Tilt 15 Degree  | 23790/710           | 10M QPSK(1,49)  | 0.204            | 0.132 | 3.47              | 23.50                 | 24.00               | 0.229                    | 2026/9/11 |      |
| Right Cheek          | 23790/710           | 10M QPSK(1,49)  | 0.318            | 0.212 | 0.03              | 23.50                 | 24.00               | 0.357                    | 2026/9/11 |      |
| Right Tilt 15 Degree | 23790/710           | 10M QPSK(1,49)  | 0.154            | 0.098 | 1.72              | 23.50                 | 24.00               | 0.173                    | 2026/9/11 |      |
| 50%RB                |                     |                 |                  |       |                   |                       |                     |                          |           |      |
| Left Cheek           | 23790/710           | 10M QPSK(25,24) | 0.203            | 0.136 | 1.84              | 22.34                 | 22.50               | 0.211                    | 2026/9/11 |      |
| Left Tilt 15 Degree  | 23790/710           | 10M QPSK(25,24) | 0.118            | 0.077 | -4.95             | 22.34                 | 22.50               | 0.122                    | 2026/9/11 |      |
| Right                | 23790/710           | 10M QPSK(25,24) | 0.168            | 0.116 | 3.30              | 22.34                 | 22.50               | 0.174                    | 2026/9/11 |      |

|                            |           |                    |       |       |      |       |       |       |           |  |
|----------------------------|-----------|--------------------|-------|-------|------|-------|-------|-------|-----------|--|
| Cheek                      |           |                    |       |       |      |       |       |       |           |  |
| Right<br>Tilt 15<br>Degree | 23790/710 | 10M<br>QPSK(25,24) | 0.086 | 0.053 | 2.13 | 22.34 | 22.50 | 0.089 | 2026/9/11 |  |

| Test<br>Position<br>of<br>Hotspot<br>with<br>5mm | Test channel<br>/Freq. | Test Mode          | SAR Value<br>(W/kg) |       | Power<br>Drift<br>(±5%) | Conducted<br>power<br>(dBm) | Tune-up<br>power<br>(dBm) | Scaled<br>SAR<br>1g/10g<br>(W/Kg) | Date      | Plot |
|--------------------------------------------------|------------------------|--------------------|---------------------|-------|-------------------------|-----------------------------|---------------------------|-----------------------------------|-----------|------|
|                                                  |                        |                    | 1g                  | 10g   |                         |                             |                           |                                   |           |      |
| 1RB                                              |                        |                    |                     |       |                         |                             |                           |                                   |           |      |
| Front<br>Side                                    | 23790/710              | 10M<br>QPSK(1,49)  | 0.300               | 0.155 | -2.63                   | 23.50                       | 24.00                     | 0.337                             | 2026/9/11 |      |
| Back<br>Side                                     | 23790/710              | 10M<br>QPSK(1,49)  | 0.470               | 0.246 | 1.19                    | 23.50                       | 24.00                     | 0.527                             | 2026/9/11 | #28  |
| Left<br>Side                                     | 23790/710              | 10M<br>QPSK(1,49)  | 0.144               | 0.075 | 0.69                    | 23.50                       | 24.00                     | 0.162                             | 2026/9/11 |      |
| Right<br>Side                                    | 23790/710              | 10M<br>QPSK(1,49)  | 0.150               | 0.079 | 2.18                    | 23.50                       | 24.00                     | 0.168                             | 2026/9/11 |      |
| Bottom<br>Side                                   | 23790/710              | 10M<br>QPSK(1,49)  | 0.245               | 0.126 | 2.61                    | 23.50                       | 24.00                     | 0.275                             | 2026/9/11 |      |
| 50%RB                                            |                        |                    |                     |       |                         |                             |                           |                                   |           |      |
| Front<br>Side                                    | 23790/710              | 10M<br>QPSK(25,24) | 0.166               | 0.079 | 1.51                    | 22.34                       | 22.50                     | 0.172                             | 2026/9/11 |      |
| Back<br>Side                                     | 23790/710              | 10M<br>QPSK(25,24) | 0.281               | 0.126 | -1.75                   | 22.34                       | 22.50                     | 0.292                             | 2026/9/11 |      |
| Left<br>Side                                     | 23790/710              | 10M<br>QPSK(25,24) | 0.084               | 0.042 | -4.25                   | 22.34                       | 22.50                     | 0.087                             | 2026/9/11 |      |
| Right<br>Side                                    | 23790/710              | 10M<br>QPSK(25,24) | 0.086               | 0.045 | 2.44                    | 22.34                       | 22.50                     | 0.089                             | 2026/9/11 |      |
| Bottom<br>Side                                   | 23790/710              | 10M<br>QPSK(25,24) | 0.127               | 0.069 | 3.89                    | 22.34                       | 22.50                     | 0.132                             | 2026/9/11 |      |

## &lt;LTE Band 41&gt;

| Test Position        | Test channel /Freq. | Test Mode       | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|----------------------|---------------------|-----------------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                      |                     |                 | 1g               | 10g   |                   |                       |                     |                          |           |      |
| 1RB                  |                     |                 |                  |       |                   |                       |                     |                          |           |      |
| Left Cheek           | 40740/2605          | 20M QPSK(1,49)  | 0.435            | 0.253 | 3.79              | 24.05                 | 24.50               | 0.482                    | 2026/9/19 | #29  |
| Left Tilt 15 Degree  | 40740/2605          | 20M QPSK(1,49)  | 0.259            | 0.151 | 2.70              | 24.05                 | 24.50               | 0.287                    | 2026/9/19 |      |
| Right Cheek          | 40740/2605          | 20M QPSK(1,49)  | 0.373            | 0.208 | -2.70             | 24.05                 | 24.50               | 0.414                    | 2026/9/19 |      |
| Right Tilt 15 Degree | 40740/2605          | 20M QPSK(1,49)  | 0.197            | 0.111 | 0.34              | 24.05                 | 24.50               | 0.219                    | 2026/9/19 |      |
| 50%RB                |                     |                 |                  |       |                   |                       |                     |                          |           |      |
| Left Cheek           | 40740/2605          | 20M QPSK(50,49) | 0.225            | 0.135 | -3.09             | 23.03                 | 23.50               | 0.251                    | 2026/9/19 |      |
| Left Tilt 15 Degree  | 40740/2605          | 20M QPSK(50,49) | 0.152            | 0.090 | -1.28             | 23.03                 | 23.50               | 0.169                    | 2026/9/19 |      |
| Right Cheek          | 40740/2605          | 20M QPSK(50,49) | 0.222            | 0.110 | -3.47             | 23.03                 | 23.50               | 0.247                    | 2026/9/19 |      |
| Right Tilt 15 Degree | 40740/2605          | 20M QPSK(50,49) | 0.112            | 0.065 | -0.13             | 23.03                 | 23.50               | 0.125                    | 2026/9/19 |      |

| Test<br>Position<br>of<br>Hotspot<br>with<br>5mm | Test<br>channel<br>/Freq. | Test Mode         | SAR Value<br>(W/kg) |       | Power<br>Drift<br>(±5%) | Conducted<br>power<br>(dBm) | Tune-up<br>power<br>(dBm) | Scaled SAR<br>1g/10g<br>(W/Kg) | Date      | Plot |
|--------------------------------------------------|---------------------------|-------------------|---------------------|-------|-------------------------|-----------------------------|---------------------------|--------------------------------|-----------|------|
|                                                  |                           |                   | 1g                  | 10g   |                         |                             |                           |                                |           |      |
| 1RB                                              |                           |                   |                     |       |                         |                             |                           |                                |           |      |
| Front<br>Side                                    | 40740/2605                | 20M<br>QPSK(1,49) | 0.228               | 0.131 | -2.90                   | 24.05                       | 24.50                     | 0.253                          | 2026/9/19 |      |
| Back<br>Side                                     | 40740/2605                | 20M<br>QPSK(1,49) | 0.358               | 0.207 | 2.07                    | 24.05                       | 24.50                     | 0.397                          | 2026/9/19 | #30  |
| Left                                             | 40740/2605                | 20M<br>QPSK(1,49) | 0.117               | 0.067 | 3.68                    | 24.05                       | 24.50                     | 0.130                          | 2026/9/19 |      |

|             |            |                 |       |       |       |       |       |       |           |  |
|-------------|------------|-----------------|-------|-------|-------|-------|-------|-------|-----------|--|
| Side        |            |                 |       |       |       |       |       |       |           |  |
| Right Side  | 40740/2605 | 20M QPSK(1,49)  | 0.120 | 0.069 | -3.06 | 24.05 | 24.50 | 0.133 | 2026/9/19 |  |
| Bottom Side | 40740/2605 | 20M QPSK(1,49)  | 0.200 | 0.113 | -1.97 | 24.05 | 24.50 | 0.222 | 2026/9/19 |  |
| 50%RB       |            |                 |       |       |       |       |       |       |           |  |
| Front Side  | 40740/2605 | 20M QPSK(50,49) | 0.116 | 0.070 | -3.92 | 23.03 | 23.50 | 0.129 | 2026/9/19 |  |
| Back Side   | 40740/2605 | 20M QPSK(50,49) | 0.193 | 0.123 | 3.38  | 23.03 | 23.50 | 0.215 | 2026/9/19 |  |
| Left Side   | 40740/2605 | 20M QPSK(50,49) | 0.060 | 0.037 | -3.81 | 23.03 | 23.50 | 0.067 | 2026/9/19 |  |
| Right Side  | 40740/2605 | 20M QPSK(50,49) | 0.065 | 0.040 | 0.84  | 23.03 | 23.50 | 0.072 | 2026/9/19 |  |
| Bottom Side | 40740/2605 | 20M QPSK(50,49) | 0.105 | 0.061 | 4.17  | 23.03 | 23.50 | 0.117 | 2026/9/19 |  |

#### <LTE Band 66>

| Test Position        | Test channel /Freq. | Test Mode       | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|----------------------|---------------------|-----------------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                      |                     |                 | 1g               | 10g   |                   |                       |                     |                          |           |      |
| 1RB                  |                     |                 |                  |       |                   |                       |                     |                          |           |      |
| Left Cheek           | 132322/1745         | 20M QPSK(1,99)  | 0.342            | 0.183 | 2.66              | 22.98                 | 24.00               | 0.433                    | 2026/9/13 | #31  |
| Left Tilt 15 Degree  | 132322/1745         | 20M QPSK(1,99)  | 0.197            | 0.104 | 1.76              | 22.98                 | 24.00               | 0.249                    | 2026/9/13 |      |
| Right Cheek          | 132322/1745         | 20M QPSK(1,99)  | 0.321            | 0.172 | 3.85              | 22.98                 | 24.00               | 0.406                    | 2026/9/13 |      |
| Right Tilt 15 Degree | 132322/1745         | 20M QPSK(1,99)  | 0.158            | 0.085 | 1.99              | 22.98                 | 24.00               | 0.200                    | 2026/9/13 |      |
| 50%RB                |                     |                 |                  |       |                   |                       |                     |                          |           |      |
| Left Cheek           | 132322/1745         | 20M QPSK(50,49) | 0.179            | 0.094 | -3.11             | 22.75                 | 23.50               | 0.213                    | 2026/9/13 |      |
| Left Tilt 15 Degree  | 132322/1745         | 20M QPSK(50,49) | 0.114            | 0.054 | 4.16              | 22.75                 | 23.50               | 0.135                    | 2026/9/13 |      |
| Right                | 132322/1745         | 20M QPSK(50,49) | 0.174            | 0.092 | 3.10              | 22.75                 | 23.50               | 0.207                    | 2026/9/13 |      |

|                            |             |                    |       |       |       |       |       |       |           |  |
|----------------------------|-------------|--------------------|-------|-------|-------|-------|-------|-------|-----------|--|
| Cheek                      |             |                    |       |       |       |       |       |       |           |  |
| Right<br>Tilt 15<br>Degree | 132322/1745 | 20M<br>QPSK(50,49) | 0.089 | 0.047 | -2.57 | 22.75 | 23.50 | 0.106 | 2026/9/13 |  |

| Test<br>Position<br>of<br>Hotspot<br>with<br>5mm | Test channel<br>/Freq. | Test Mode          | SAR Value<br>(W/kg) |       | Power<br>Drift<br>(±5%) | Conducted<br>power<br>(dBm) | Tune-up<br>power<br>(dBm) | Scaled<br>SAR<br>1g/10g<br>(W/Kg) | Date      | Plot |
|--------------------------------------------------|------------------------|--------------------|---------------------|-------|-------------------------|-----------------------------|---------------------------|-----------------------------------|-----------|------|
|                                                  |                        |                    | 1g                  | 10g   |                         |                             |                           |                                   |           |      |
| 1RB                                              |                        |                    |                     |       |                         |                             |                           |                                   |           |      |
| Front<br>Side                                    | 132322/1745            | 20M<br>QPSK(1,99)  | 0.204               | 0.117 | 2.44                    | 22.98                       | 24.00                     | 0.258                             | 2026/9/13 |      |
| Back<br>Side                                     | 132322/1745            | 20M<br>QPSK(1,99)  | 0.336               | 0.195 | 1.75                    | 22.98                       | 24.00                     | 0.425                             | 2026/9/13 | #32  |
| Left<br>Side                                     | 132322/1745            | 20M<br>QPSK(1,99)  | 0.105               | 0.059 | 0.90                    | 22.98                       | 24.00                     | 0.133                             | 2026/9/13 |      |
| Right<br>Side                                    | 132322/1745            | 20M<br>QPSK(1,99)  | 0.108               | 0.061 | -2.50                   | 22.98                       | 24.00                     | 0.137                             | 2026/9/13 |      |
| Bottom<br>Side                                   | 132322/1745            | 20M<br>QPSK(1,99)  | 0.170               | 0.097 | -3.55                   | 22.98                       | 24.00                     | 0.215                             | 2026/9/13 |      |
| 50%RB                                            |                        |                    |                     |       |                         |                             |                           |                                   |           |      |
| Front<br>Side                                    | 132322/1745            | 20M<br>QPSK(50,49) | 0.120               | 0.063 | 1.27                    | 22.75                       | 23.50                     | 0.143                             | 2026/9/13 |      |
| Back<br>Side                                     | 132322/1745            | 20M<br>QPSK(50,49) | 0.175               | 0.099 | -1.12                   | 22.75                       | 23.50                     | 0.208                             | 2026/9/13 |      |
| Left<br>Side                                     | 132322/1745            | 20M<br>QPSK(50,49) | 0.062               | 0.034 | 3.16                    | 22.75                       | 23.50                     | 0.074                             | 2026/9/13 |      |
| Right<br>Side                                    | 132322/1745            | 20M<br>QPSK(50,49) | 0.063               | 0.036 | 4.79                    | 22.75                       | 23.50                     | 0.075                             | 2026/9/13 |      |
| Bottom<br>Side                                   | 132322/1745            | 20M<br>QPSK(50,49) | 0.099               | 0.049 | -0.31                   | 22.75                       | 23.50                     | 0.118                             | 2026/9/13 |      |

**<WiFi 2.4G>**

| Test Position        | Test channel /Freq. | Test Mode | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|----------------------|---------------------|-----------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                      |                     |           | 1g               | 10g   |                   |                       |                     |                          |           |      |
| Left Cheek           | 1/2412              | 802.11b   | 0.418            | 0.202 | -2.85             | 16.83                 | 17.00               | 0.435                    | 2026/9/18 | #15  |
| Left Tilt 15 Degree  | 1/2412              | 802.11b   | 0.210            | 0.098 | 2.95              | 16.83                 | 17.00               | 0.218                    | 2026/9/18 |      |
| Right Cheek          | 1/2412              | 802.11b   | 0.362            | 0.175 | 1.50              | 16.83                 | 17.00               | 0.376                    | 2026/9/18 |      |
| Right Tilt 15 Degree | 1/2412              | 802.11b   | 0.183            | 0.087 | -1.31             | 16.83                 | 17.00               | 0.190                    | 2026/9/18 |      |

| Test Position of Hotspot with 5mm | Test channel /Freq. | Test Mode | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|-----------------------------------|---------------------|-----------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                                   |                     |           | 1g               | 10g   |                   |                       |                     |                          |           |      |
| Front Side                        | 1/2412              | 802.11b   | 0.210            | 0.120 | 0.87              | 16.83                 | 17.00               | 0.218                    | 2026/9/18 |      |
| Back Side                         | 1/2412              | 802.11b   | 0.306            | 0.177 | 0.57              | 16.83                 | 17.00               | 0.318                    | 2026/9/18 | #16  |
| Right Side                        | 1/2412              | 802.11b   | 0.105            | 0.058 | 0.13              | 16.83                 | 17.00               | 0.109                    | 2026/9/18 |      |
| Top Side                          | 1/2412              | 802.11b   | 0.110            | 0.062 | 3.58              | 16.83                 | 17.00               | 0.114                    | 2026/9/18 |      |

**<WiFi 5.2G>**

| Test Position        | Test channel /Freq. | Test Mode      | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|----------------------|---------------------|----------------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                      |                     |                | 1g               | 10g   |                   |                       |                     |                          |           |      |
| Left Cheek           | 36/5180             | 802.11ac VHT20 | 0.514            | 0.296 | 2.01              | 7.36                  | 7.50                | 0.531                    | 2026/9/20 | #11  |
| Left Tilt 15 Degree  | 36/5180             | 802.11ac VHT20 | 0.270            | 0.154 | -1.16             | 7.36                  | 7.50                | 0.279                    | 2026/9/20 |      |
| Right Cheek          | 36/5180             | 802.11ac VHT20 | 0.451            | 0.257 | -1.58             | 7.36                  | 7.50                | 0.466                    | 2026/9/20 |      |
| Right Tilt 15 Degree | 36/5180             | 802.11ac VHT20 | 0.236            | 0.129 | -3.48             | 7.36                  | 7.50                | 0.244                    | 2026/9/20 |      |

| Test Position of Hotspot with 5mm | Test channel /Freq. | Test Mode      | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|-----------------------------------|---------------------|----------------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                                   |                     |                | 1g               | 10g   |                   |                       |                     |                          |           |      |
| Front Side                        | 36/5180             | 802.11ac VHT20 | 0.252            | 0.106 | -3.56             | 7.36                  | 7.50                | 0.260                    | 2026/9/20 |      |
| Back Side                         | 36/5180             | 802.11ac VHT20 | 0.392            | 0.170 | 4.27              | 7.36                  | 7.50                | 0.405                    | 2026/9/20 | #12  |
| Right Side                        | 36/5180             | 802.11ac VHT20 | 0.132            | 0.056 | -2.65             | 7.36                  | 7.50                | 0.136                    | 2026/9/20 |      |
| Top Side                          | 36/5180             | 802.11ac VHT20 | 0.135            | 0.058 | 3.44              | 7.36                  | 7.50                | 0.139                    | 2026/9/20 |      |

**<WiFi 5.8G>**

| Test Position        | Test channel /Freq. | Test Mode      | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|----------------------|---------------------|----------------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                      |                     |                | 1g               | 10g   |                   |                       |                     |                          |           |      |
| Left Cheek           | 159/5795            | 802.11ac VHT40 | 0.227            | 0.137 | 2.76              | 9.43                  | 9.50                | 0.231                    | 2026/9/27 | #13  |
| Left Tilt 15 Degree  | 159/5795            | 802.11ac VHT40 | 0.126            | 0.076 | 2.57              | 9.43                  | 9.50                | 0.128                    | 2026/9/27 |      |
| Right Cheek          | 159/5795            | 802.11ac VHT40 | 0.196            | 0.112 | 1.68              | 9.43                  | 9.50                | 0.199                    | 2026/9/27 |      |
| Right Tilt 15 Degree | 159/5795            | 802.11ac VHT40 | 0.097            | 0.057 | -1.02             | 9.43                  | 9.50                | 0.099                    | 2026/9/27 |      |

| Test Position of Hotspot with 5mm | Test channel /Freq. | Test Mode      | SAR Value (W/kg) |       | Power Drift (±5%) | Conducted power (dBm) | Tune-up power (dBm) | Scaled SAR 1g/10g (W/Kg) | Date      | Plot |
|-----------------------------------|---------------------|----------------|------------------|-------|-------------------|-----------------------|---------------------|--------------------------|-----------|------|
|                                   |                     |                | 1g               | 10g   |                   |                       |                     |                          |           |      |
| Front Side                        | 159/5795            | 802.11ac VHT40 | 0.282            | 0.102 | -2.73             | 9.43                  | 9.50                | 0.287                    | 2026/9/27 |      |
| Back Side                         | 159/5795            | 802.11ac VHT40 | 0.439            | 0.167 | -2.47             | 9.43                  | 9.50                | 0.446                    | 2026/9/27 | #14  |
| Right Side                        | 159/5795            | 802.11ac VHT40 | 0.144            | 0.055 | 0.10              | 9.43                  | 9.50                | 0.146                    | 2026/9/27 |      |
| Top Side                          | 159/5795            | 802.11ac VHT40 | 0.148            | 0.057 | -3.61             | 9.43                  | 9.50                | 0.150                    | 2026/9/27 |      |

## 12. Simultaneous Transmission Analysis

Per KDB 447498 D01, simultaneous transmission SAR is compliant if,

1) Scalar SAR summation  $< 1.6\text{W/kg}$ .

2)  $\text{SPLSR} = \frac{(\text{SAR}_1 + \text{SAR}_2)^{1.5}}{[(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2]}$  / (min. separation distance, mm), and the peak separation distance is determined from the square root of  $[(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2]$ , where

$(x_1, y_1, z_1)$  and  $(x_2, y_2, z_2)$  are the coordinates of the extrapolated peak SAR locations in the zoom scan.

If  $\text{SPLSR} \leq 0.04$ , simultaneously transmission SAR measurement is not necessary.

| No. | Simultaneous Tx    | Head | Body-worn | Hotspot |
|-----|--------------------|------|-----------|---------|
| 1   | WWAN+WLAN+NFC      | Yes  | Yes       | Yes     |
| 2   | WWAN+Bluetooth+NFC | Yes  | Yes       | Yes     |

Note : WiFi and Bluetooth use the same antenna and cannot be transmitted at the same time.

| Exposure Position |                      | WWAN Band | NII/DTS/DSS+NFC | Simultaneous Tx SAR(W/Kg) |
|-------------------|----------------------|-----------|-----------------|---------------------------|
|                   |                      | SAR(W/Kg) | SAR(W/Kg)       |                           |
| Head              | Left Cheek           | 0.620     | 0.531           | 1.151                     |
|                   | Left Tilt 15 Degree  | 0.351     | 0.279           | 0.630                     |
|                   | Right Cheek          | 0.558     | 0.466           | 1.024                     |
|                   | Right Tilt 15 Degree | 0.276     | 0.244           | 0.520                     |
| Body & Hotspot    | Front Side           | 0.349     | 0.287           | 0.636                     |
|                   | Back Side            | 0.563     | 0.446           | 1.009                     |
|                   | Left Side            | 0.186     | /               | 0.186                     |
|                   | Right Side           | 0.189     | 0.146           | 0.335                     |
|                   | Top Side             | /         | 0.150           | 0.150                     |
|                   | Bottom Side          | 0.311     | /               | 0.311                     |

Note : The Simultaneous Tx is calculated based on the same configuration and test position.

## **Appendix A. Photo documentation**

Refer to appendix Test Setup photo---SAR

## Appendix B. System Check Plots

| Table of contents                            |
|----------------------------------------------|
| <b>#1 System Performance Check - 750MHz</b>  |
| <b>#2 System Performance Check - 900MHz</b>  |
| <b>#3 System Performance Check - 1800MHz</b> |
| <b>#4 System Performance Check - 1900MHz</b> |
| <b>#5 System Performance Check - 2450MHz</b> |
| <b>#6 System Performance Check - 2600MHz</b> |
| <b>#7 System Performance Check - 5200MHz</b> |
| <b>#8 System Performance Check - 5800MHz</b> |

# #1

Date of measurement: 11/9/2026

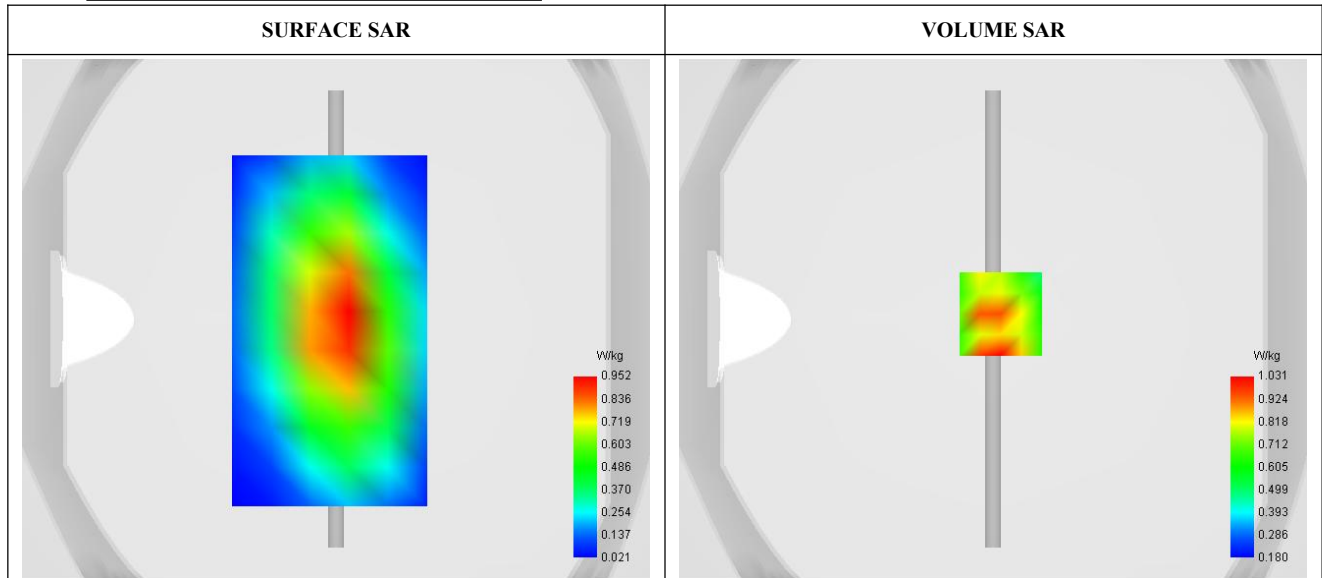
## A. Experimental conditions.

|                    |                                       |
|--------------------|---------------------------------------|
| Probe              | SN 37/08 EP80                         |
| ConvF              | 6.44                                  |
| Area Scan          | dx=15mm dy=15mm, Complete             |
| Zoom Scan          | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom            | Validation plane                      |
| Device Position    | Dipole                                |
| Band               | CW750                                 |
| Channels/Frequency | Middle                                |

## B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 750.000 |
| Relative permittivity (real part)      | 41.900  |
| Relative permittivity (imaginary part) | 21.360  |
| Conductivity (S/m)                     | 0.890   |

## C. SAR Surface and Volume



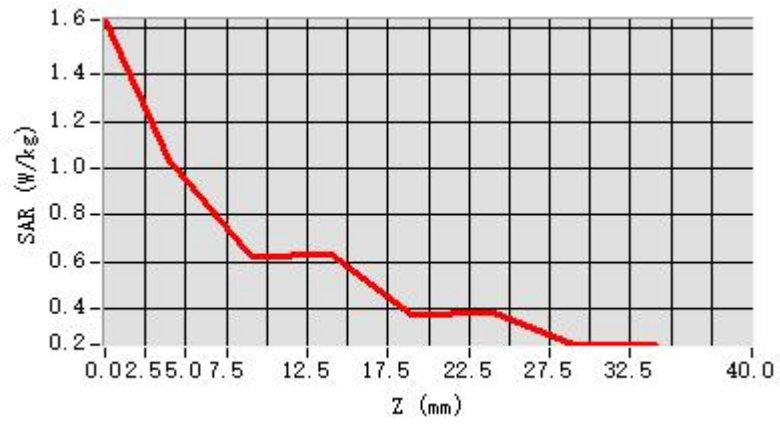
Maximum location: X=3.00, Y=2.00 ; SAR Peak: 1.54 W/kg

## D. SAR 1g & 10g

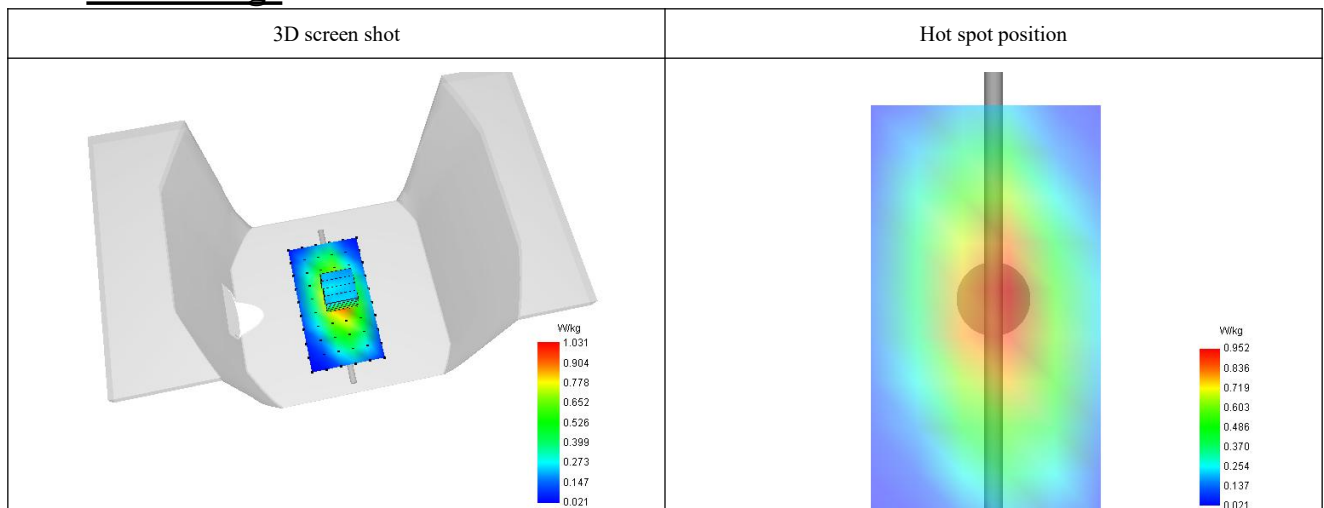
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.541     |
| SAR 1g (W/Kg)                                         | 0.838     |
| Variation (%)                                         | 0.380     |
| Horizontal validation criteria: minimum distance (mm) | 35.777088 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 60.135790 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 1.636 | 1.031 | 0.620 | 0.629 | 0.375 | 0.386 | 0.245 |



### F. 3D Image



## #2

Date of measurement: 12/9/2026

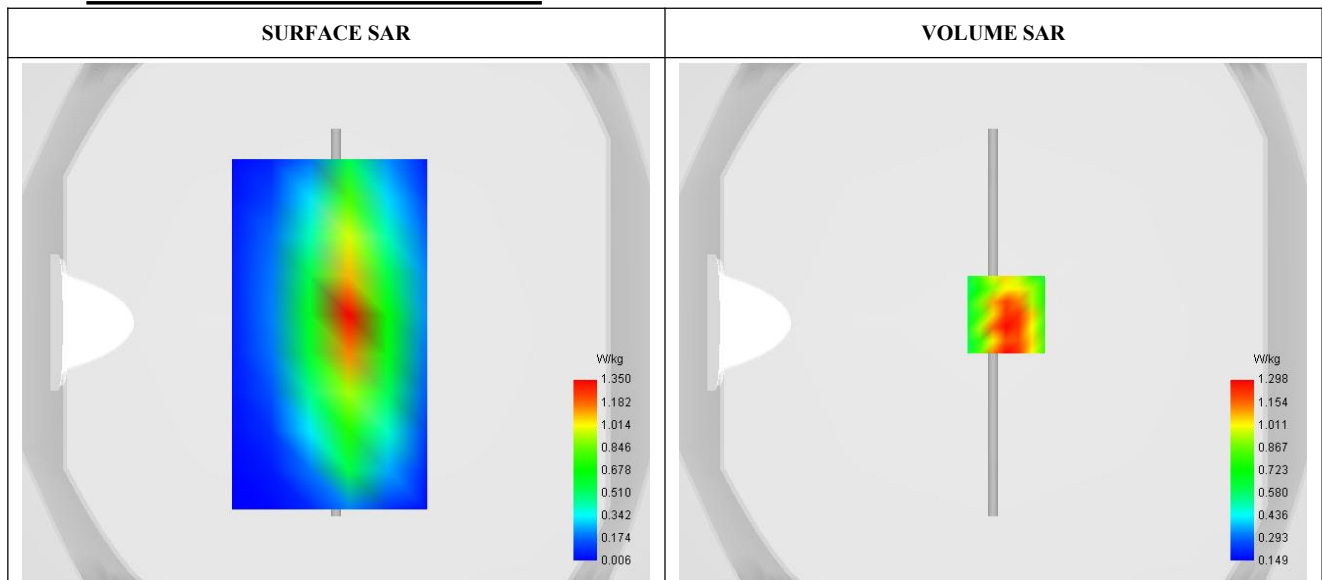
### A. Experimental conditions.

|                    |                                       |
|--------------------|---------------------------------------|
| Probe              | SN 37/08 EP80                         |
| ConvF              | 6.13                                  |
| Area Scan          | dx=15mm dy=15mm, Complete             |
| Zoom Scan          | 7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete |
| Phantom            | Validation plane                      |
| Device Position    | Dipole                                |
| Band               | CW900                                 |
| Channels/Frequency | Middle                                |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 900.000 |
| Relative permittivity (real part)      | 40.940  |
| Relative permittivity (imaginary part) | 19.200  |
| Conductivity (S/m)                     | 0.960   |

### C. SAR Surface and Volume



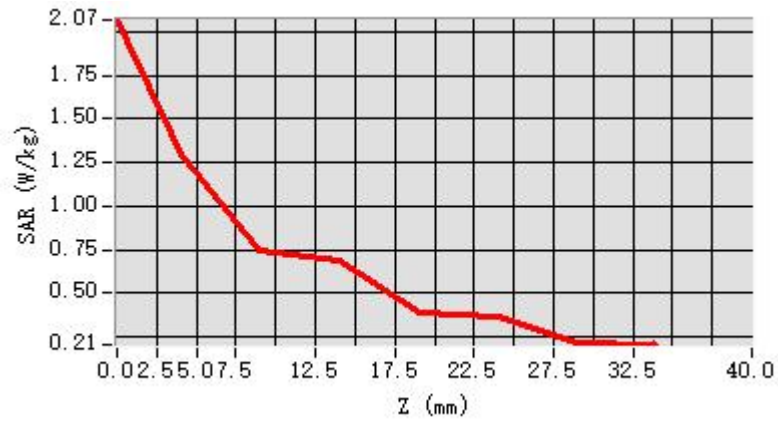
Maximum location: X=5.00, Y=3.00 ; SAR Peak: 1.90 W/kg

### D. SAR 1g & 10g

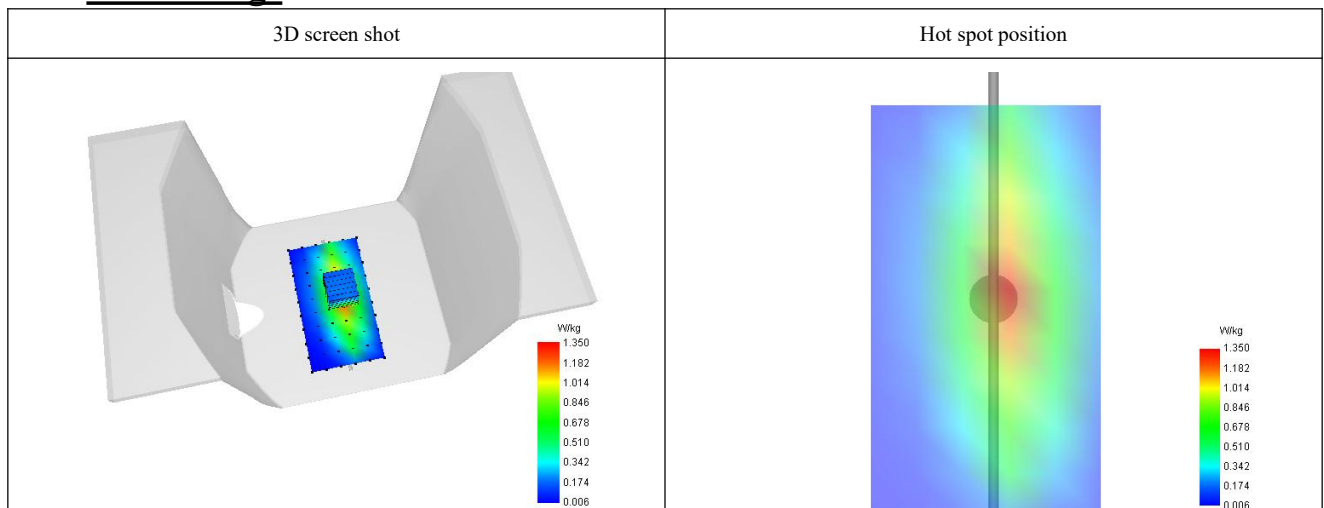
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.701     |
| SAR 1g (W/Kg)                                         | 1.116     |
| Variation (%)                                         | 2.200     |
| Horizontal validation criteria: minimum distance (mm) | 15.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 57.716049 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 2.064 | 1.296 | 0.748 | 0.687 | 0.392 | 0.367 | 0.223 |



### F. 3D Image



### #3

Date of measurement: 13/9/2026

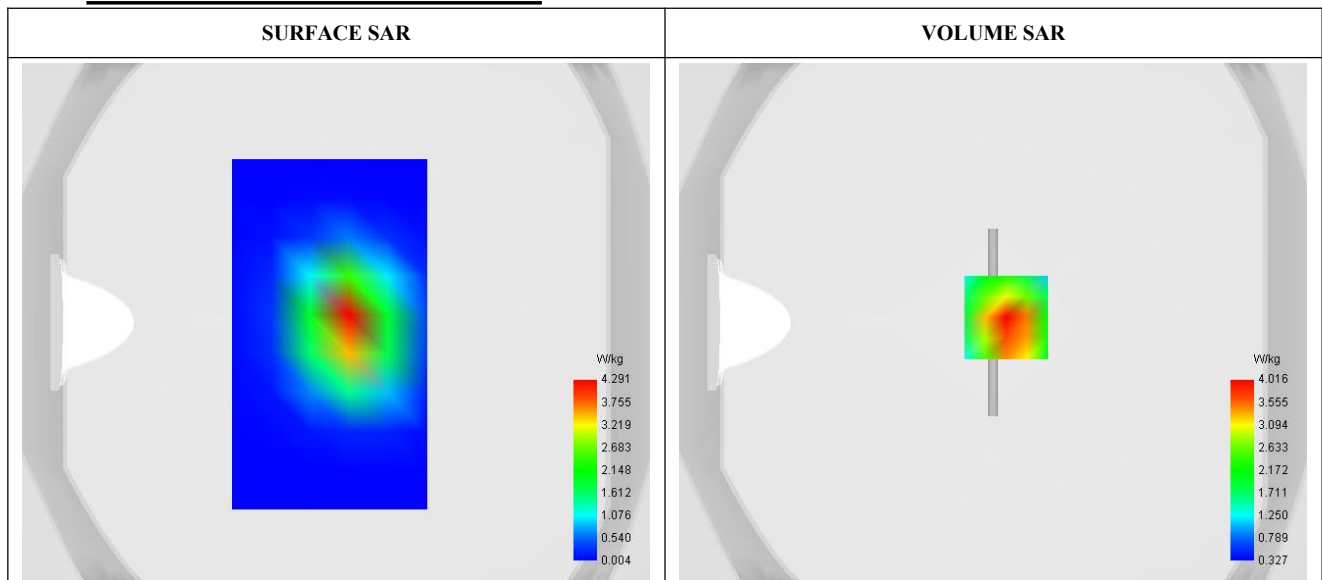
#### A. Experimental conditions.

|                    |                                       |
|--------------------|---------------------------------------|
| Probe              | SN 37/08 EP80                         |
| ConvF              | 5.21                                  |
| Area Scan          | dx=15mm dy=15mm, Complete             |
| Zoom Scan          | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom            | Validation plane                      |
| Device Position    | Dipole                                |
| Band               | CW1800                                |
| Channels/Frequency | Middle                                |

#### B. Permittivity

|                                        |          |
|----------------------------------------|----------|
| Middle TX Frequency (MHz)              | 1800.000 |
| Relative permittivity (real part)      | 41.520   |
| Relative permittivity (imaginary part) | 14.000   |
| Conductivity (S/m)                     | 1.400    |

#### C. SAR Surface and Volume



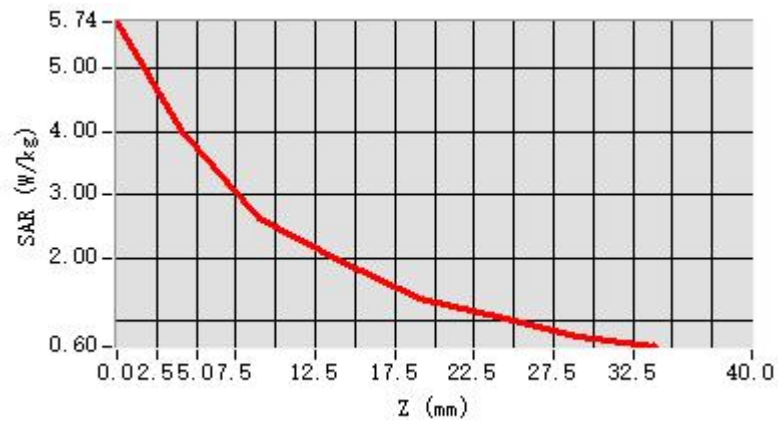
Maximum location: X=5.00, Y=2.00 ; SAR Peak: 5.78 W/kg

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

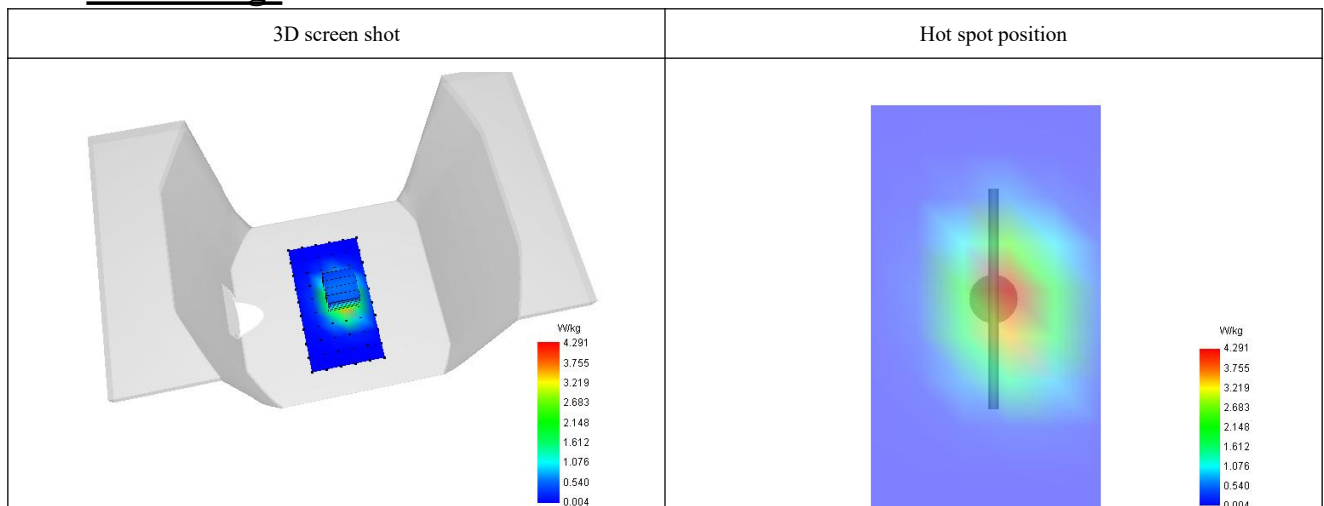
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 2.025     |
| SAR 1g (W/Kg)                                         | 3.832     |
| Variation (%)                                         | 0.180     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 65.811753 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 5.739 | 4.016 | 2.643 | 1.958 | 1.374 | 1.074 | 0.775 |



### F. 3D Image



## #4

Date of measurement: 17/9/2026

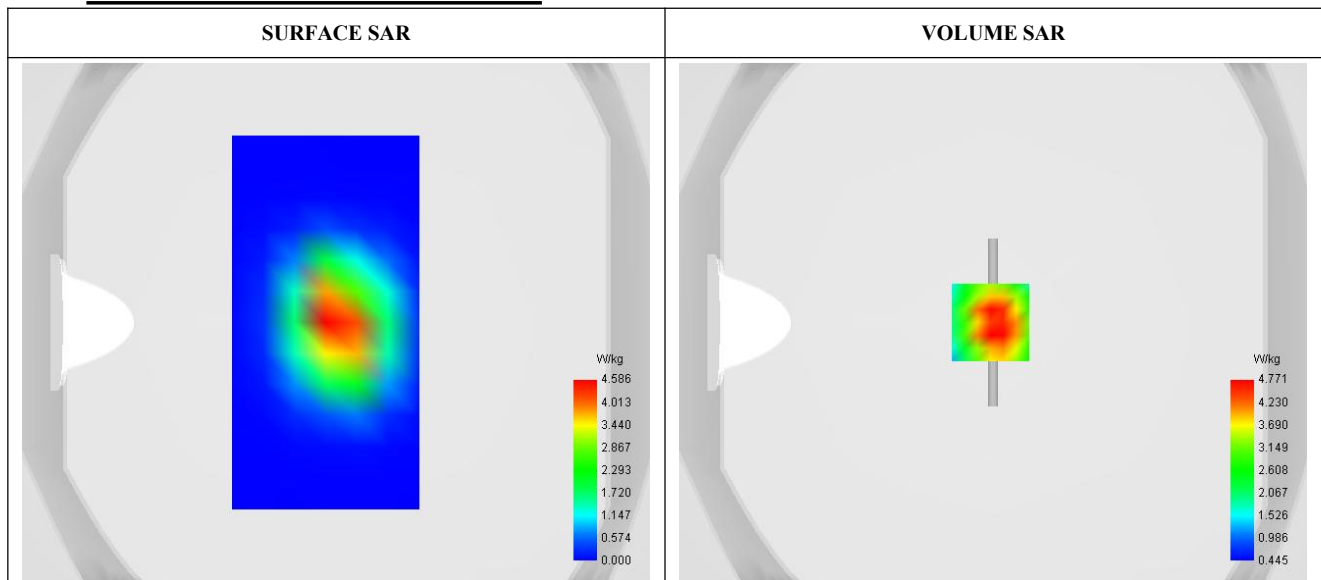
### A. Experimental conditions.

|                    |                                       |
|--------------------|---------------------------------------|
| Probe              | SN 37/08 EP80                         |
| ConvF              | 5.61                                  |
| Area Scan          | dx=12mm dy=12mm, Complete             |
| Zoom Scan          | 7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete |
| Phantom            | Validation plane                      |
| Device Position    | Dipole                                |
| Band               | CW1900                                |
| Channels/Frequency | Middle                                |

### B. Permittivity

|                                        |          |
|----------------------------------------|----------|
| Middle TX Frequency (MHz)              | 1900.000 |
| Relative permittivity (real part)      | 41.270   |
| Relative permittivity (imaginary part) | 12.700   |
| Conductivity (S/m)                     | 1.341    |

### C. SAR Surface and Volume



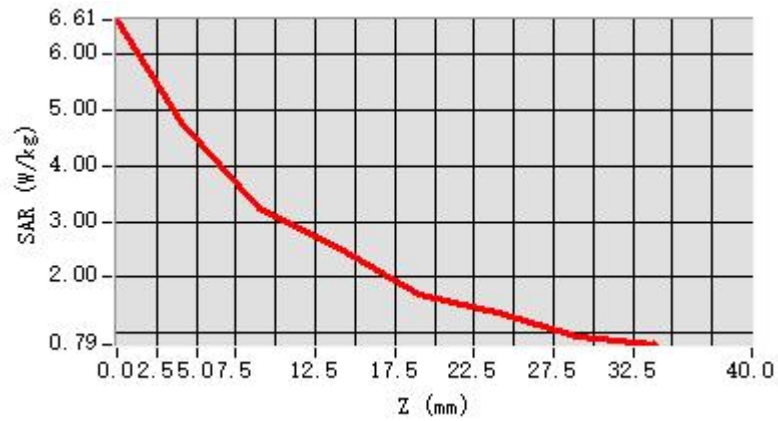
Maximum location: X=-1.00, Y=0.00 ; SAR Peak: 6.50 W/kg

### D. SAR 1g & 10g

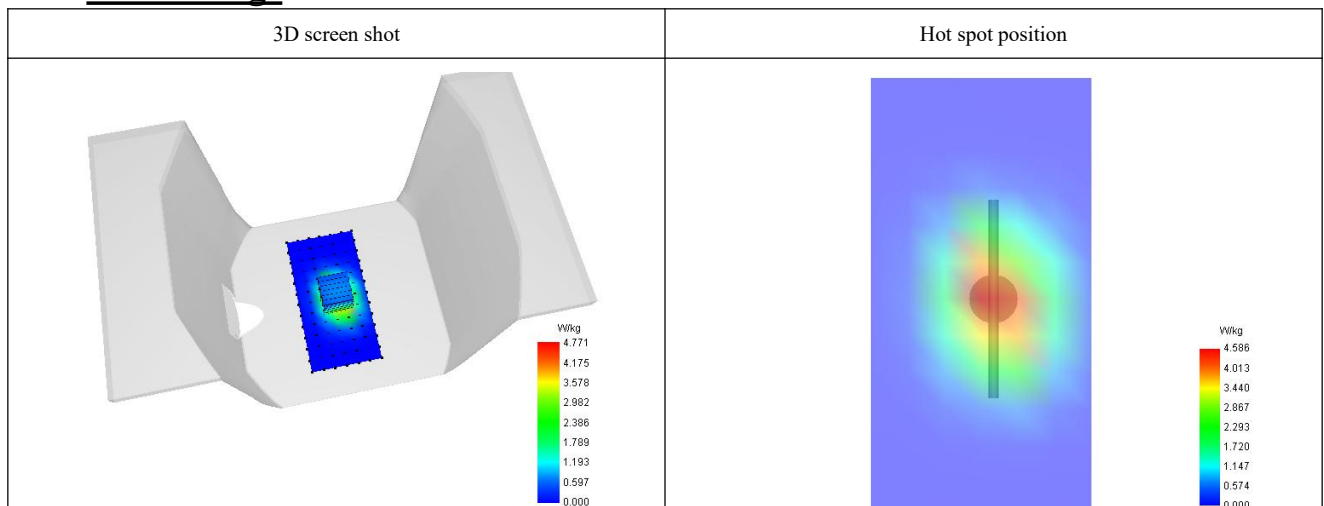
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 2.057     |
| SAR 1g (W/Kg)                                         | 4.055     |
| Variation (%)                                         | 1.300     |
| Horizontal validation criteria: minimum distance (mm) | 14.141203 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 67.966457 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 6.612 | 4.770 | 3.242 | 2.521 | 1.694 | 1.380 | 0.943 |



### F. 3D Image



## #5

Date of measurement: 18/9/2026

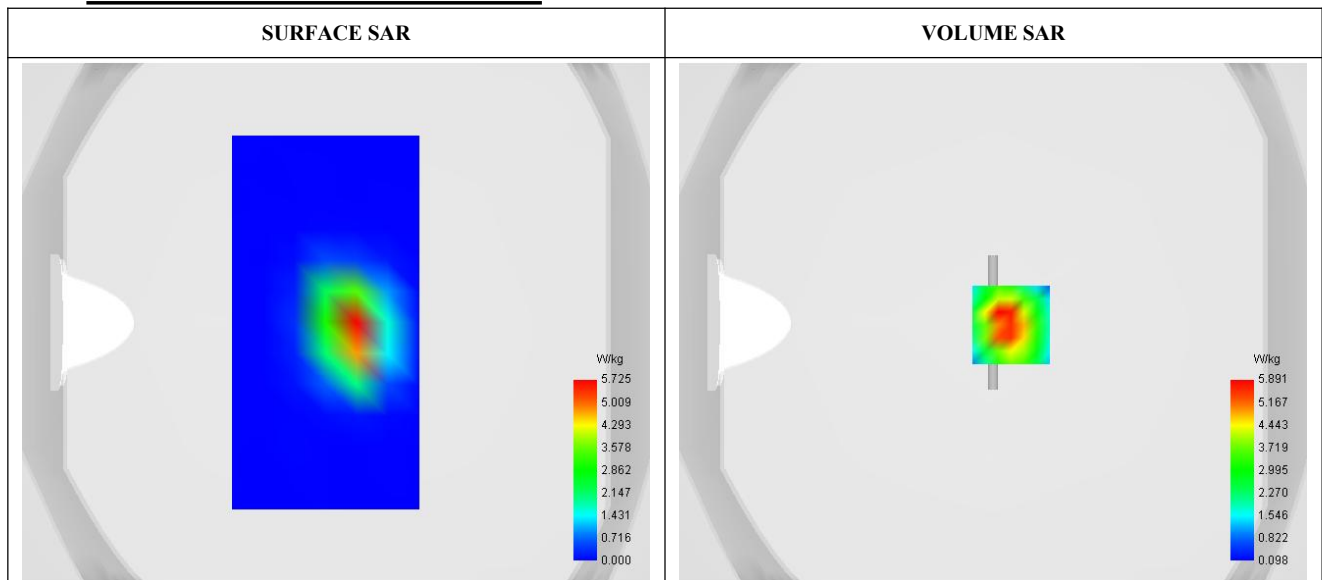
### A. Experimental conditions.

|                    |                                       |
|--------------------|---------------------------------------|
| Probe              | SN 37/08 EP80                         |
| ConvF              | 4.82                                  |
| Area Scan          | dx=12mm dy=12mm, Complete             |
| Zoom Scan          | 7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete |
| Phantom            | Validation plane                      |
| Device Position    | Dipole                                |
| Band               | CW2450                                |
| Channels/Frequency | Middle                                |

### B. Permittivity

|                                        |          |
|----------------------------------------|----------|
| Middle TX Frequency (MHz)              | 2450.000 |
| Relative permittivity (real part)      | 41.040   |
| Relative permittivity (imaginary part) | 13.220   |
| Conductivity (S/m)                     | 1.799    |

### C. SAR Surface and Volume



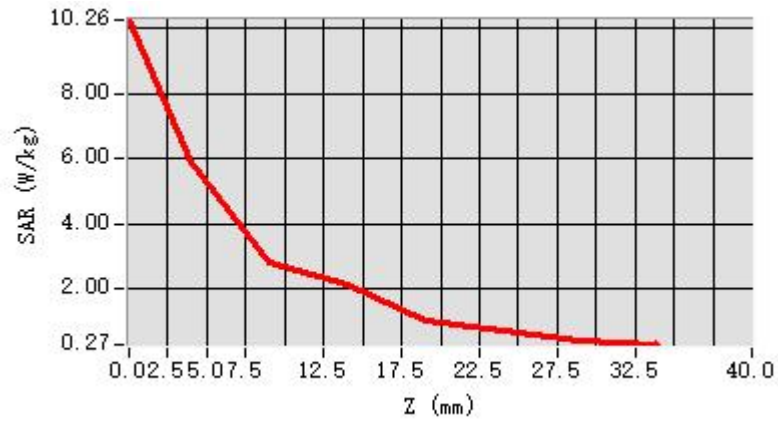
Maximum location: X=7.00, Y=-1.00 ; SAR Peak: 8.99 W/kg

### D. SAR 1g & 10g

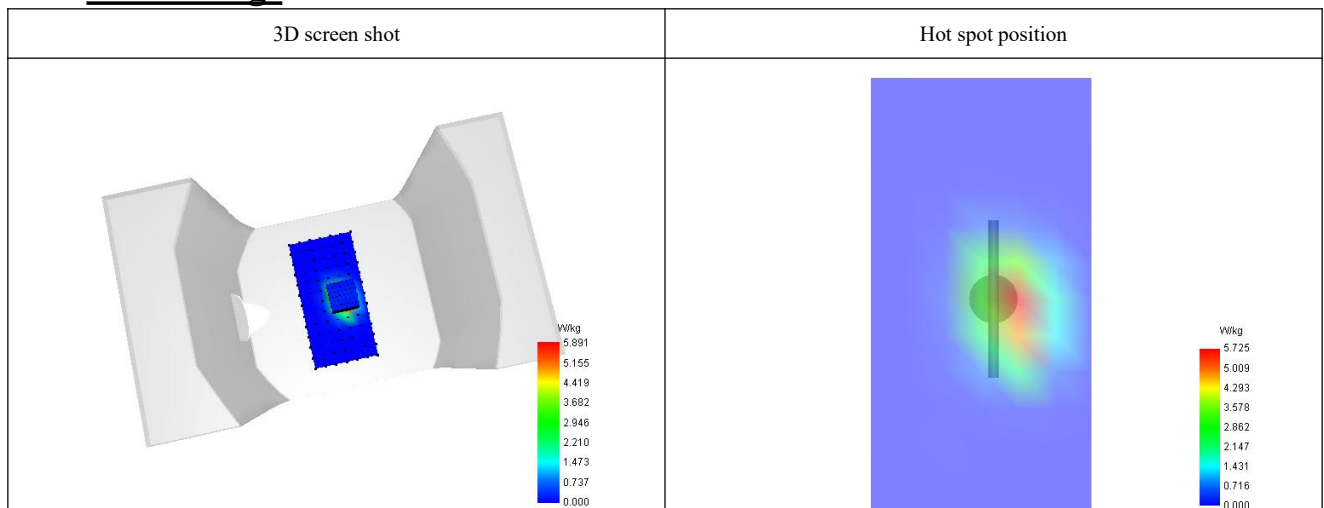
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 2.362     |
| SAR 1g (W/Kg)                                         | 5.181     |
| Variation (%)                                         | -3.040    |
| Horizontal validation criteria: minimum distance (mm) | 10.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 47.564081 |

### E. Z Axis Scan

| Z (mm)     | 0.00   | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|--------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 10.263 | 5.891 | 2.802 | 2.126 | 1.045 | 0.723 | 0.415 |



### F. 3D Image



## #6

Date of measurement: 19/9/2026

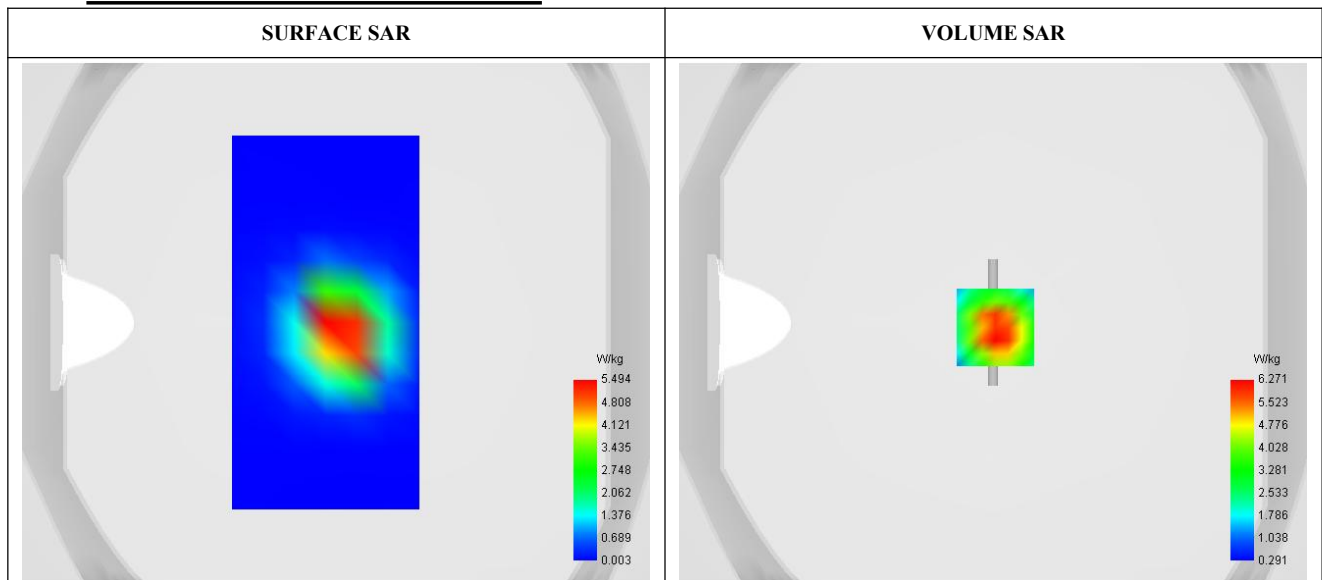
### A. Experimental conditions.

|                    |                                       |
|--------------------|---------------------------------------|
| Probe              | SN 37/08 EP80                         |
| ConvF              | 4.74                                  |
| Area Scan          | dx=12mm dy=12mm, Complete             |
| Zoom Scan          | 7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete |
| Phantom            | Validation plane                      |
| Device Position    | Dipole                                |
| Band               | CW2600                                |
| Channels/Frequency | Middle                                |

### B. Permittivity

|                                        |          |
|----------------------------------------|----------|
| Middle TX Frequency (MHz)              | 2600.000 |
| Relative permittivity (real part)      | 39.000   |
| Relative permittivity (imaginary part) | 13.570   |
| Conductivity (S/m)                     | 1.960    |

### C. SAR Surface and Volume



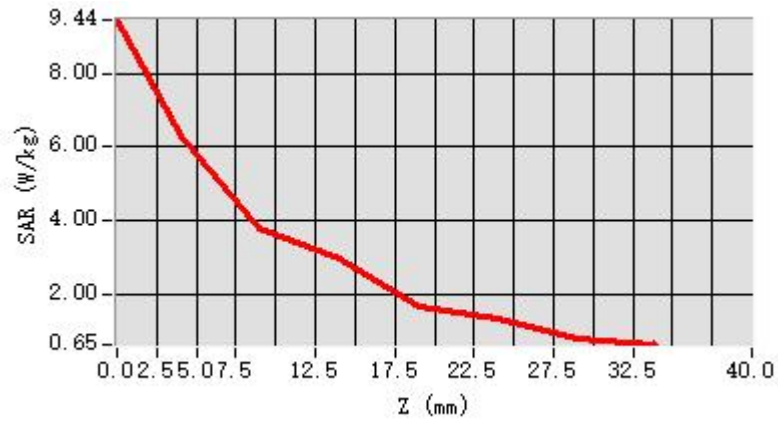
Maximum location: X=1.00, Y=-2.00 ; SAR Peak: 8.65 W/kg

### D. SAR 1g & 10g

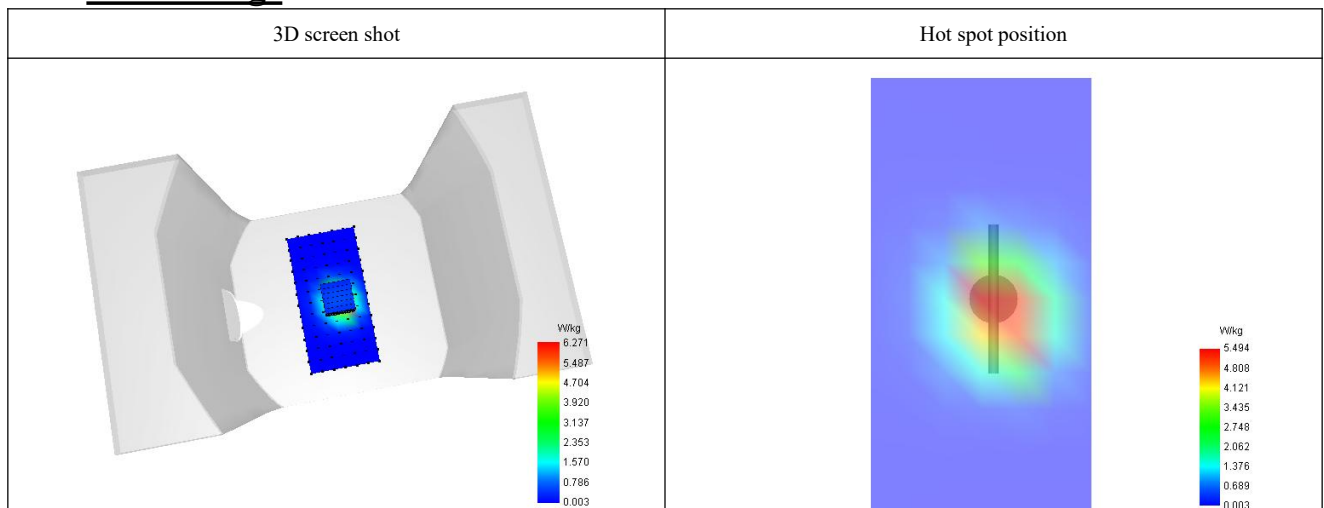
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 2.523     |
| SAR 1g (W/Kg)                                         | 5.636     |
| Variation (%)                                         | -0.710    |
| Horizontal validation criteria: minimum distance (mm) | 11.180340 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 60.197736 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 9.444 | 6.271 | 3.775 | 2.988 | 1.706 | 1.361 | 0.819 |



### F. 3D Image



## #7

Date of measurement: 20/9/2026

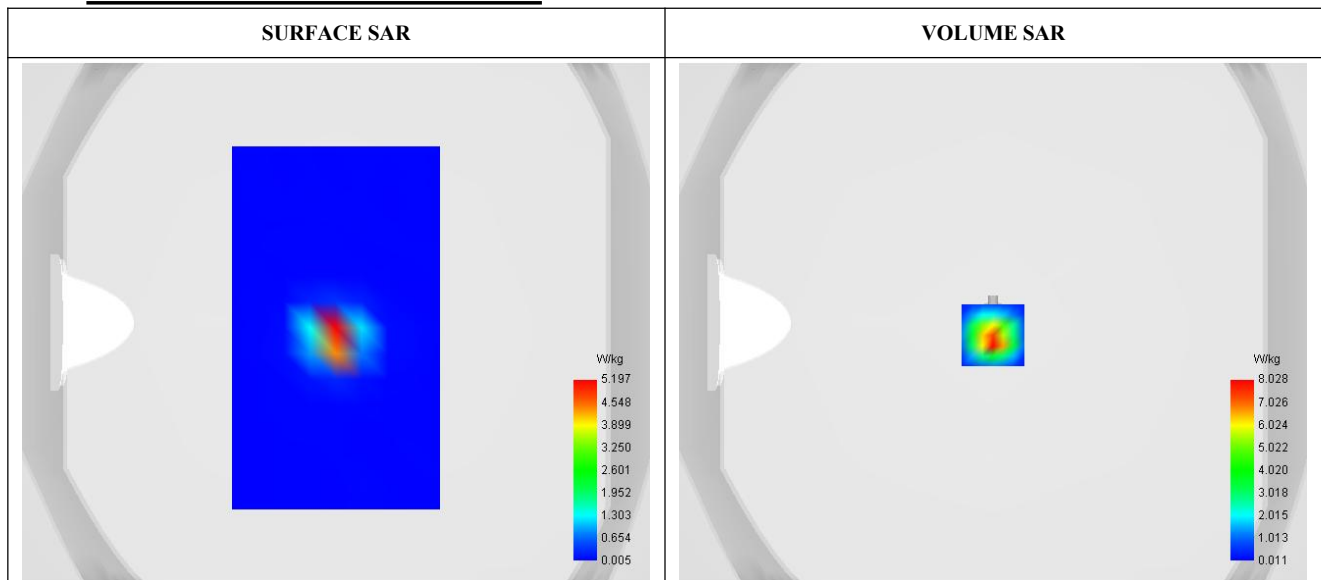
### A. Experimental conditions.

|                    |                                        |
|--------------------|----------------------------------------|
| Probe              | SN 27/13 EPG193                        |
| ConvF              | 21.61                                  |
| Area Scan          | dx=10mm dy=10mm, Complete              |
| Zoom Scan          | 7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete |
| Phantom            | Validation plane                       |
| Device Position    | Body                                   |
| Band               | CW5200                                 |
| Channels/Frequency | Middle                                 |

### B. Permittivity

|                                        |          |
|----------------------------------------|----------|
| Middle TX Frequency (MHz)              | 5200.000 |
| Relative permittivity (real part)      | 36.000   |
| Relative permittivity (imaginary part) | 16.130   |
| Conductivity (S/m)                     | 4.660    |

### C. SAR Surface and Volume



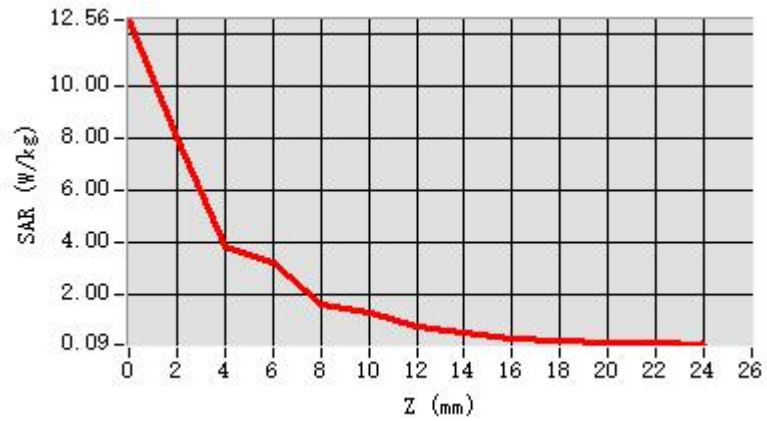
Maximum location: X=0.00, Y=-5.00 ; SAR Peak: 13.42 W/kg

### D. SAR 1g & 10g

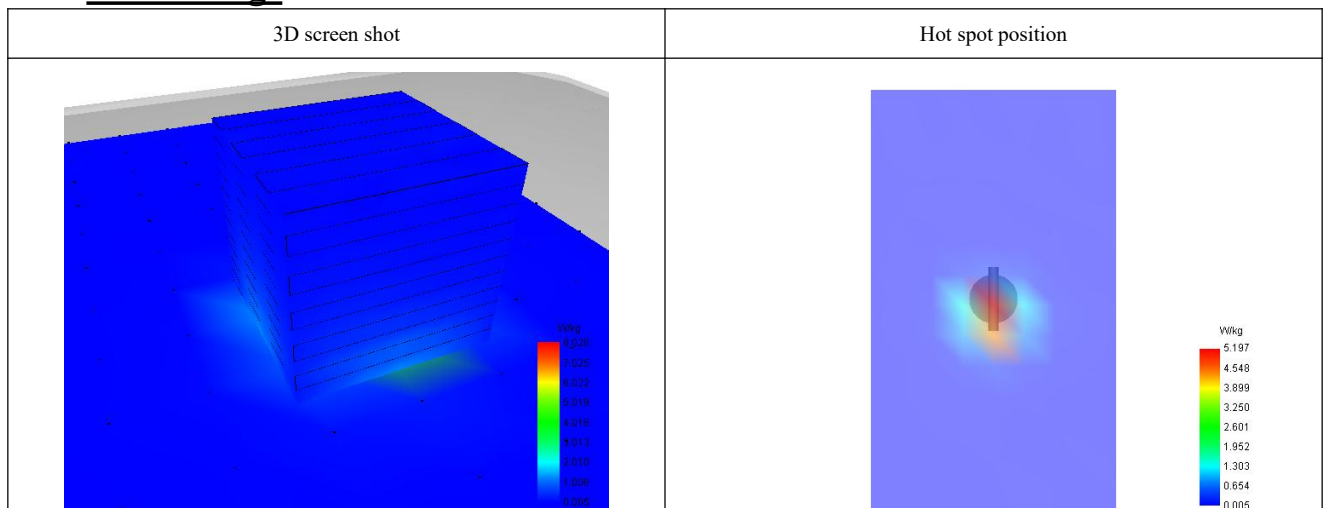
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 1.203     |
| SAR 1g (W/Kg)                                         | 3.678     |
| Variation (%)                                         | 4.620     |
| Horizontal validation criteria: minimum distance (mm) | 4.000000  |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 48.169909 |

### E. Z Axis Scan

| Z (mm)     | 0.00   | 2.00  | 4.00  | 6.00  | 8.00  | 10.00 | 12.00 | 14.00 | 16.00 | 18.00 | 20.00 | 22.00 |
|------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 12.564 | 8.028 | 3.867 | 3.214 | 1.625 | 1.324 | 0.785 | 0.581 | 0.314 | 0.263 | 0.145 | 0.126 |



### F. 3D Image



## #8

Date of measurement: 27/9/2026

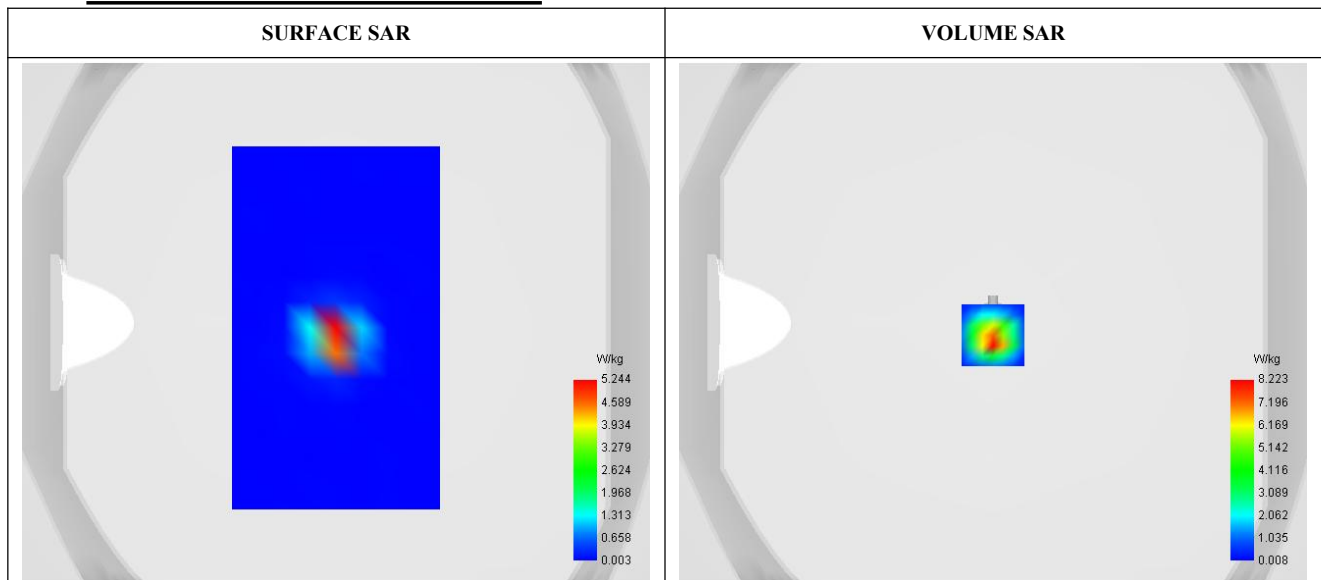
### A. Experimental conditions.

|                    |                                        |
|--------------------|----------------------------------------|
| Probe              | SN 27/13 EPG193                        |
| ConvF              | 22.42                                  |
| Area Scan          | dx=10mm dy=10mm, Complete              |
| Zoom Scan          | 7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete |
| Phantom            | Validation plane                       |
| Device Position    | Body                                   |
| Band               | CW5800                                 |
| Channels/Frequency | Middle                                 |

### B. Permittivity

|                                        |          |
|----------------------------------------|----------|
| Middle TX Frequency (MHz)              | 5800.000 |
| Relative permittivity (real part)      | 35.300   |
| Relative permittivity (imaginary part) | 16.360   |
| Conductivity (S/m)                     | 5.272    |

### C. SAR Surface and Volume



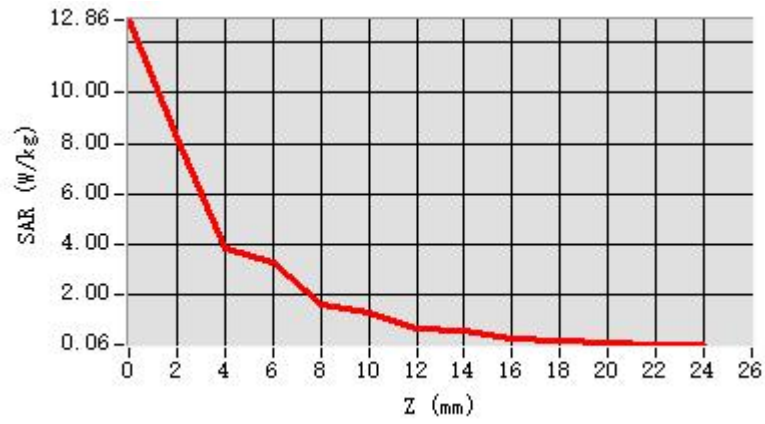
Maximum location: X=0.00, Y=-5.00 ; SAR Peak: 13.82 W/kg

### D. SAR 1g & 10g

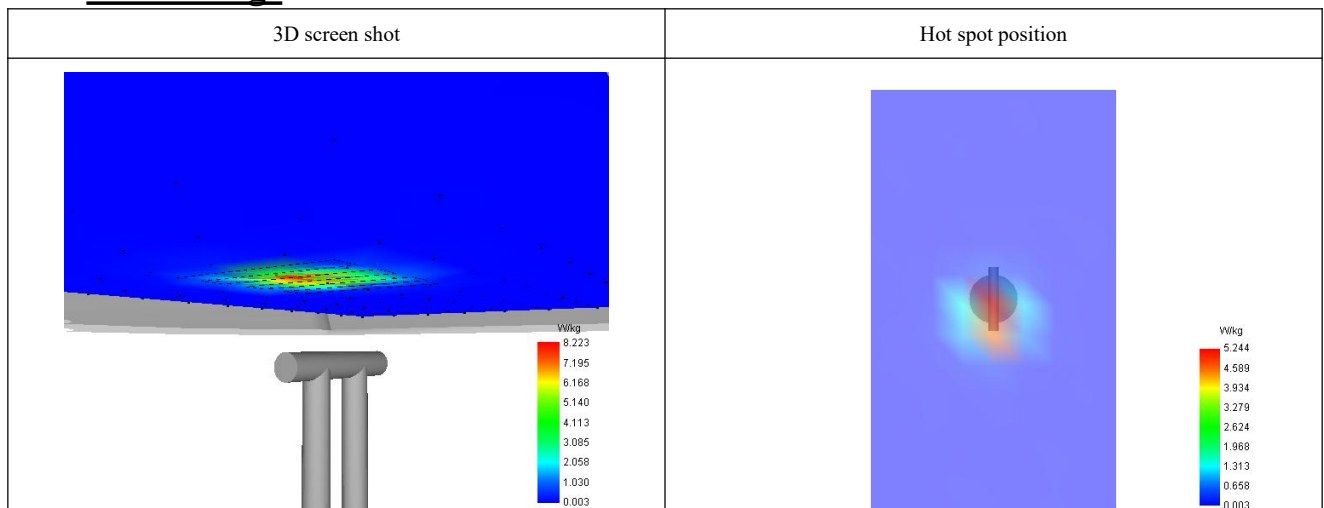
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 1.206     |
| SAR 1g (W/Kg)                                         | 4.106     |
| Variation (%)                                         | 1.050     |
| Horizontal validation criteria: minimum distance (mm) | 4.000000  |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 47.257692 |

### E. Z Axis Scan

| Z (mm)     | 0.00   | 2.00  | 4.00  | 6.00  | 8.00  | 10.00 | 12.00 | 14.00 | 16.00 | 18.00 | 20.00 | 22.00 |
|------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 12.863 | 8.223 | 3.886 | 3.302 | 1.611 | 1.337 | 0.671 | 0.582 | 0.287 | 0.232 | 0.129 | 0.083 |



### F. 3D Image



## Appendix C. SAR Test Plots

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# #1

Date of measurement: 12/9/2026

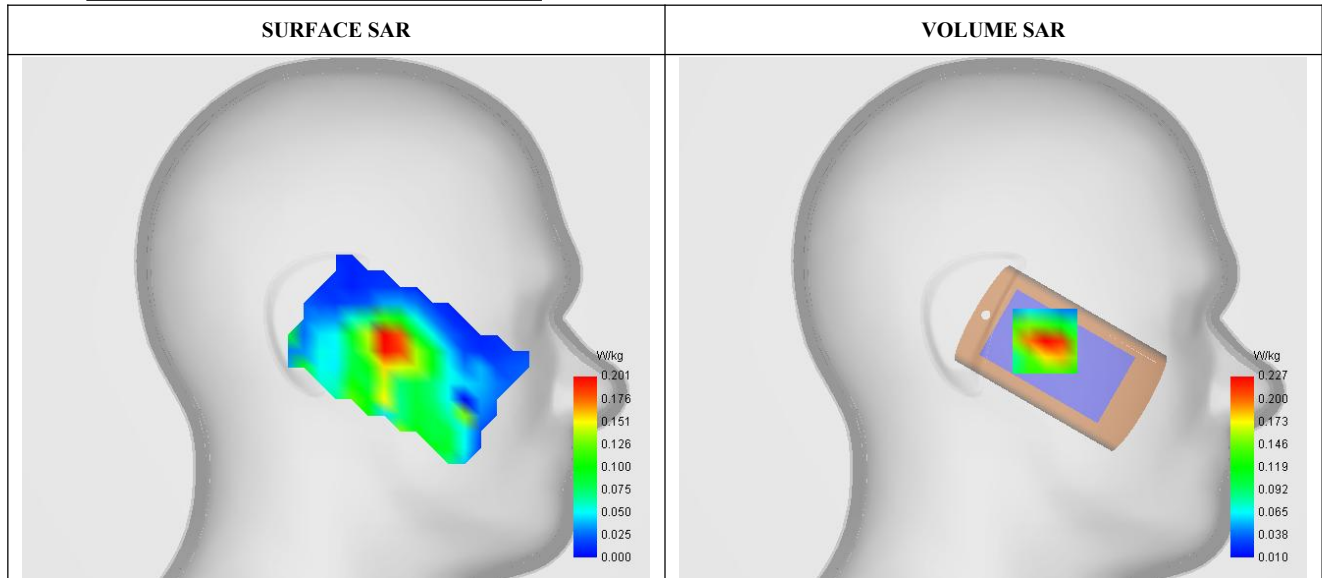
## A. Experimental conditions.

|                    |                                       |
|--------------------|---------------------------------------|
| Probe              | SN 37/08 EP80                         |
| ConvF              | 6.13                                  |
| Area Scan          | dx=8mm dy=8mm, Complete               |
| Zoom Scan          | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom            | Left head                             |
| Device Position    | Cheek                                 |
| Band               | GSM850                                |
| Channels/Frequency | Middle (189)/ frequency 836.40 Mhz    |

## B. Permittivity

|                                        |        |
|----------------------------------------|--------|
| Middle TX Frequency (MHz)              | 836.40 |
| Relative permittivity (real part)      | 41.500 |
| Relative permittivity (imaginary part) | 19.400 |
| Conductivity (S/m)                     | 0.901  |

## C. SAR Surface and Volume



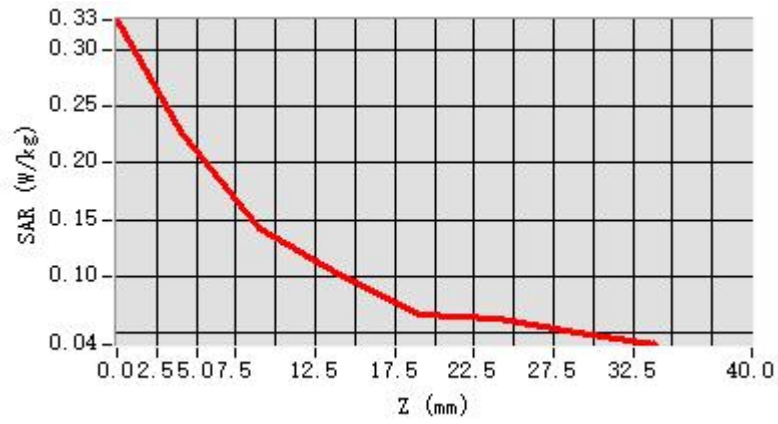
Maximum location: X=-26.00, Y=-11.00 ; SAR Peak: 0.37 W/kg

## D. SAR 1g & 10g

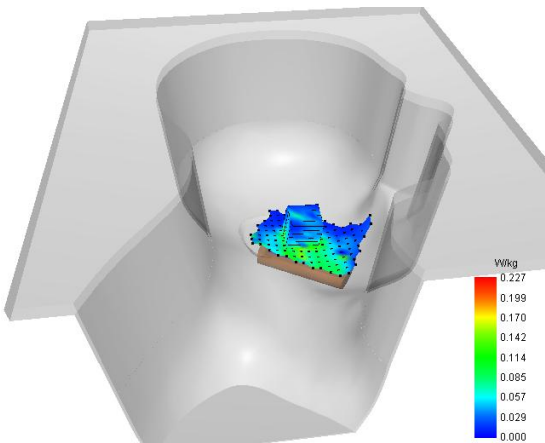
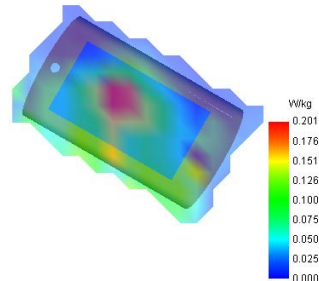
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.118     |
| SAR 1g (W/Kg)                                         | 0.212     |
| Variation (%)                                         | -2.260    |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 62.114537 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.327 | 0.227 | 0.141 | 0.101 | 0.066 | 0.062 | 0.050 |



### F. 3D Image

| 3D screen shot                                                                     | Hot spot position                                                                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |

## #2

Date of measurement: 12/9/2026

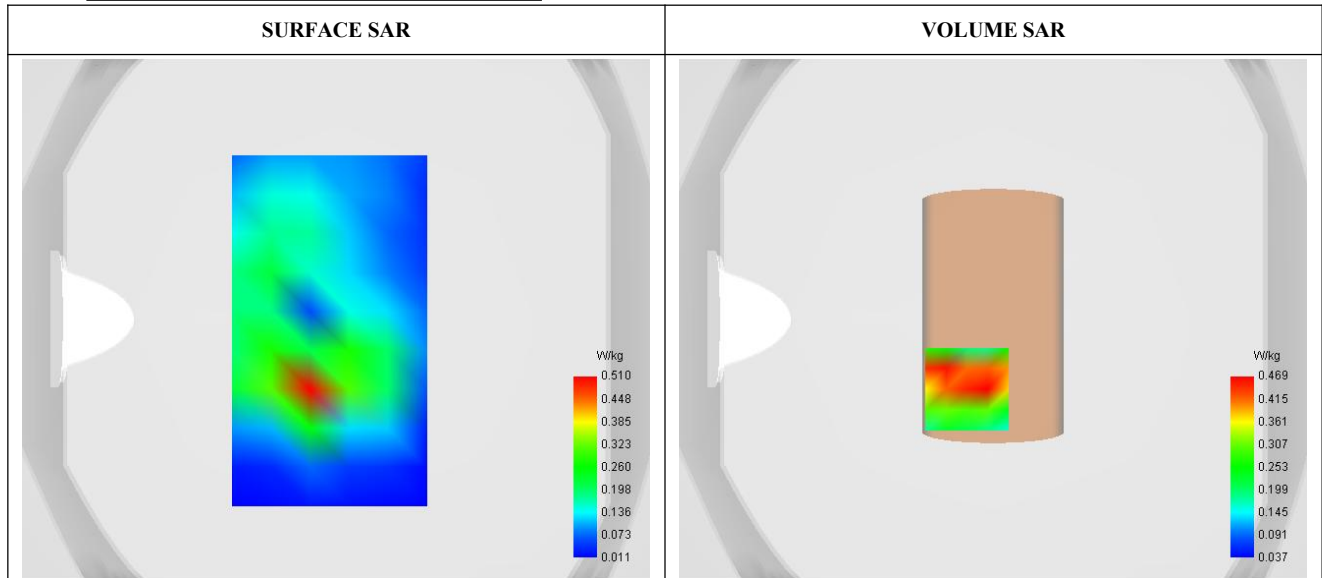
### A. Experimental conditions.

|                    |                                       |
|--------------------|---------------------------------------|
| Probe              | SN 37/08 EP80                         |
| ConvF              | 6.13                                  |
| Area Scan          | dx=15mm dy=15mm, Complete             |
| Zoom Scan          | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom            | Validation plane                      |
| Device Position    | Body                                  |
| Band               | GSM850                                |
| Channels/Frequency | Middle (189)/ frequency 836.40 Mhz    |

### B. Permittivity

|                                        |        |
|----------------------------------------|--------|
| Middle TX Frequency (MHz)              | 836.40 |
| Relative permittivity (real part)      | 41.500 |
| Relative permittivity (imaginary part) | 19.400 |
| Conductivity (S/m)                     | 0.901  |

### C. SAR Surface and Volume



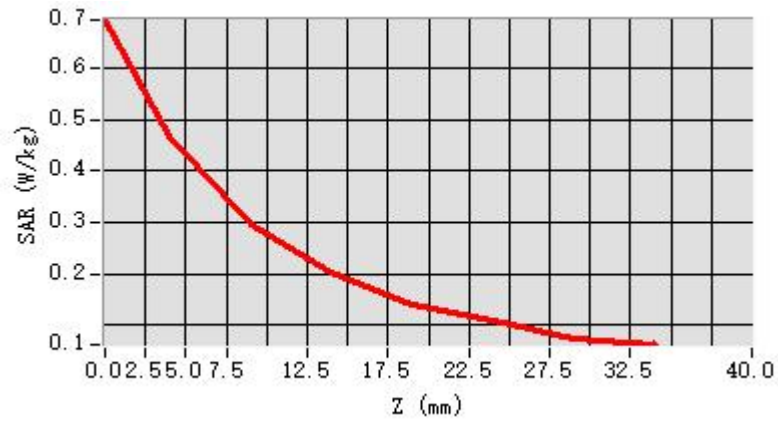
Maximum location: X=-10.00, Y=-27.00 ; SAR Peak: 0.76 W/kg

### D. SAR 1g & 10g

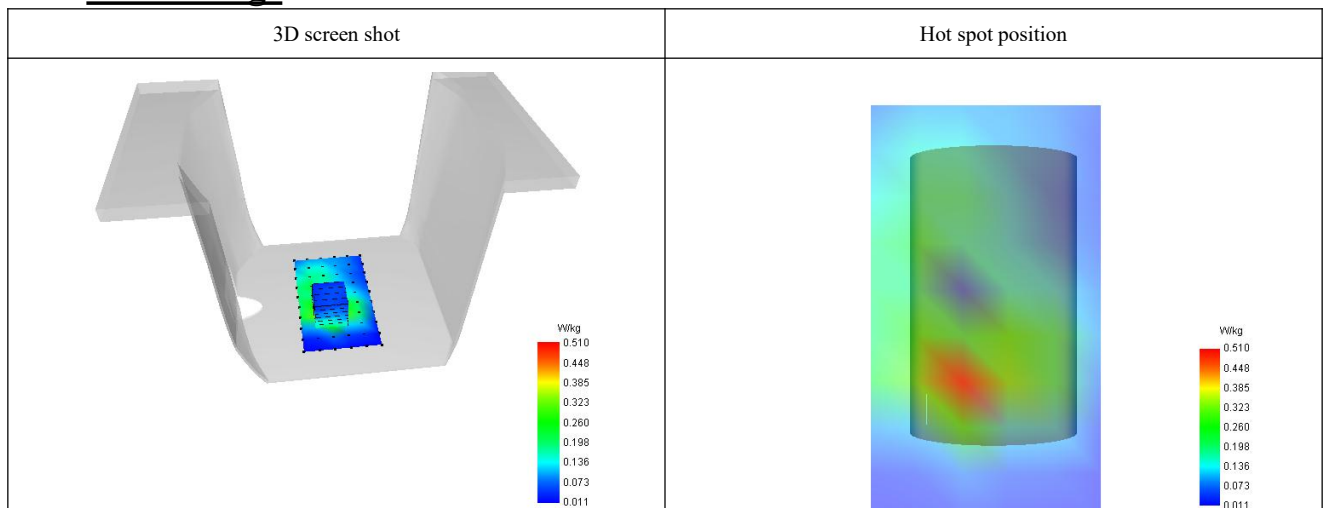
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.265     |
| SAR 1g (W/Kg)                                         | 0.464     |
| Variation (%)                                         | 4.730     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 63.113006 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.694 | 0.469 | 0.296 | 0.202 | 0.140 | 0.108 | 0.074 |



### F. 3D Image



### #3

Date of measurement: 17/9/2026

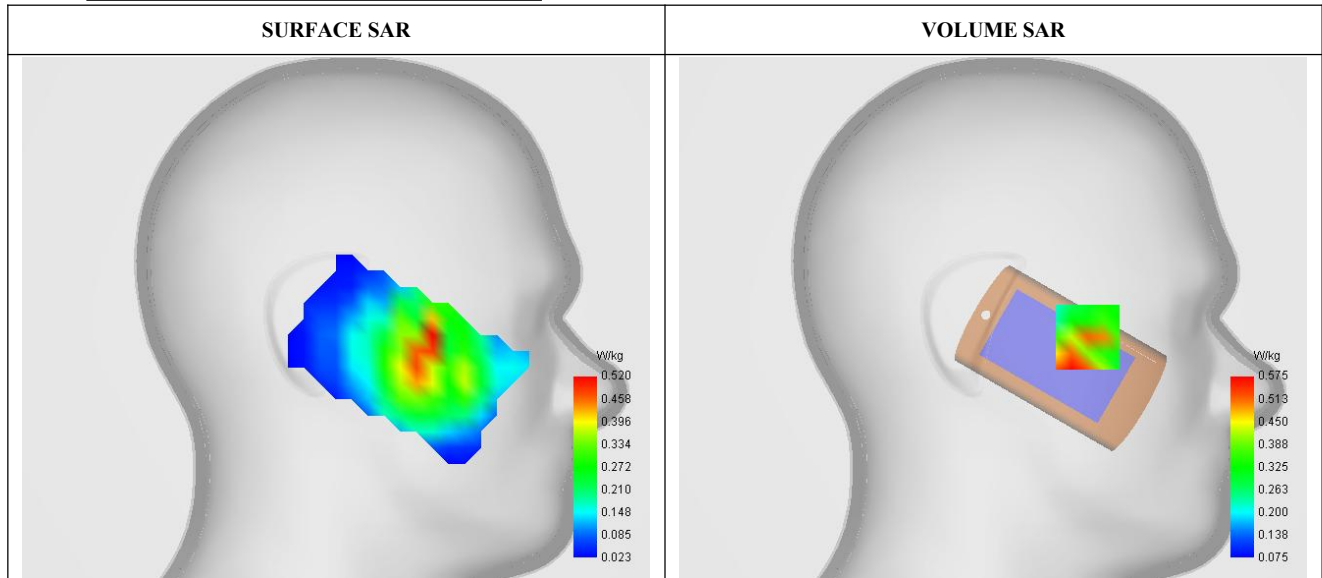
## A. Experimental conditions.

|                    |                                       |
|--------------------|---------------------------------------|
| Probe              | SN 37/08 EP80                         |
| ConvF              | 5.61                                  |
| Area Scan          | dx=8mm dy=8mm, Complete               |
| Zoom Scan          | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom            | Left head                             |
| Device Position    | Cheek                                 |
| Band               | GSM1900                               |
| Channels/Frequency | Middle (661)/ frequency 1880.00 Mhz   |

## B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 1880.00 |
| Relative permittivity (real part)      | 40.000  |
| Relative permittivity (imaginary part) | 13.408  |
| Conductivity (S/m)                     | 1.400   |

## C. SAR Surface and Volume



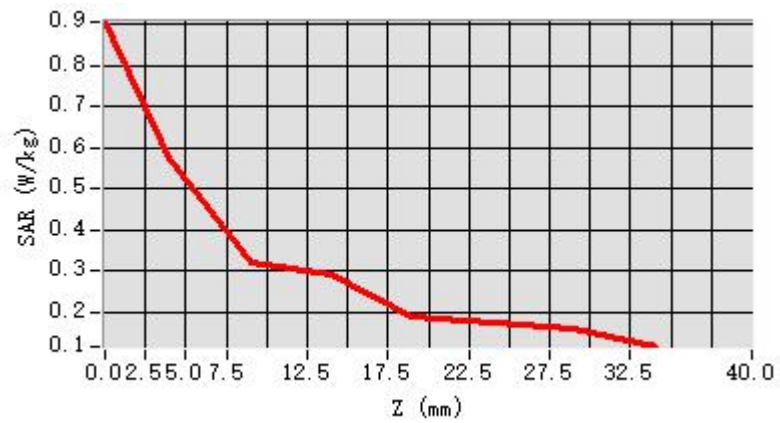
Maximum location: X=-47.00, Y=-9.00 ; SAR Peak: 0.75 W/kg

## D. SAR 1g & 10g

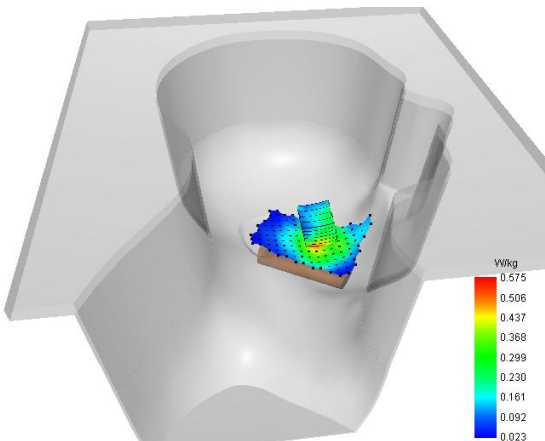
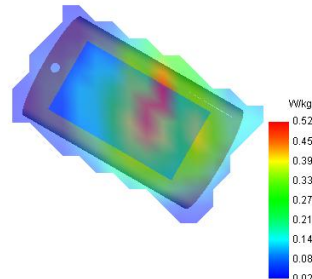
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.263     |
| SAR 1g (W/Kg)                                         | 0.493     |
| Variation (%)                                         | -3.000    |
| Horizontal validation criteria: minimum distance (mm) | 25.298221 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 56.000000 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.907 | 0.575 | 0.322 | 0.294 | 0.190 | 0.176 | 0.159 |



### F. 3D Image

| 3D screen shot                                                                     | Hot spot position                                                                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |

## #4

Date of measurement: 17/9/2026

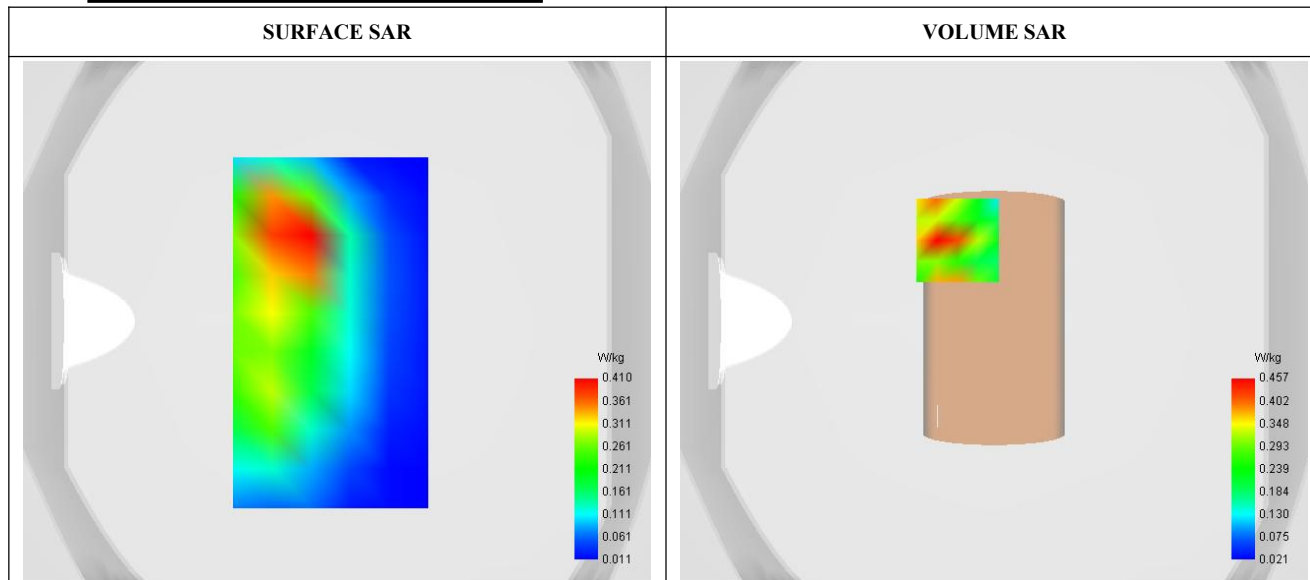
### A. Experimental conditions.

|                    |                                       |
|--------------------|---------------------------------------|
| Probe              | SN 37/08 EP80                         |
| ConvF              | 5.61                                  |
| Area Scan          | dx=15mm dy=15mm, Complete             |
| Zoom Scan          | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom            | Validation plane                      |
| Device Position    | Body                                  |
| Band               | GSM1900                               |
| Channels/Frequency | Middle (661)/ frequency 1880.00 Mhz   |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 1880.00 |
| Relative permittivity (real part)      | 40.000  |
| Relative permittivity (imaginary part) | 13.408  |
| Conductivity (S/m)                     | 1.400   |

### C. SAR Surface and Volume



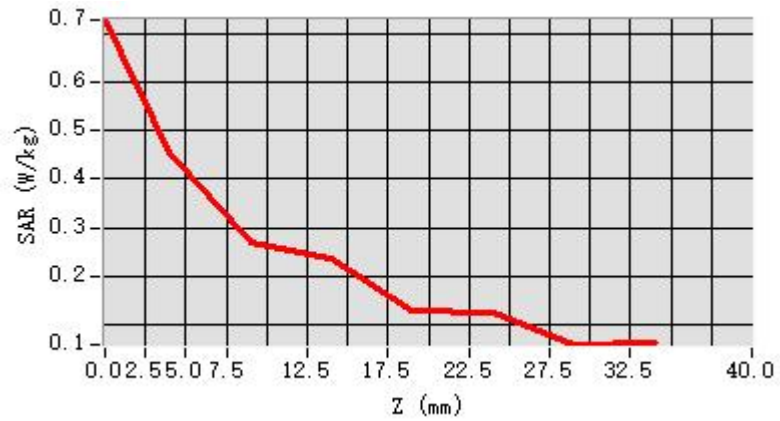
Maximum location: X=-14.00, Y=31.00 ; SAR Peak: 0.67 W/kg

### D. SAR 1g & 10g

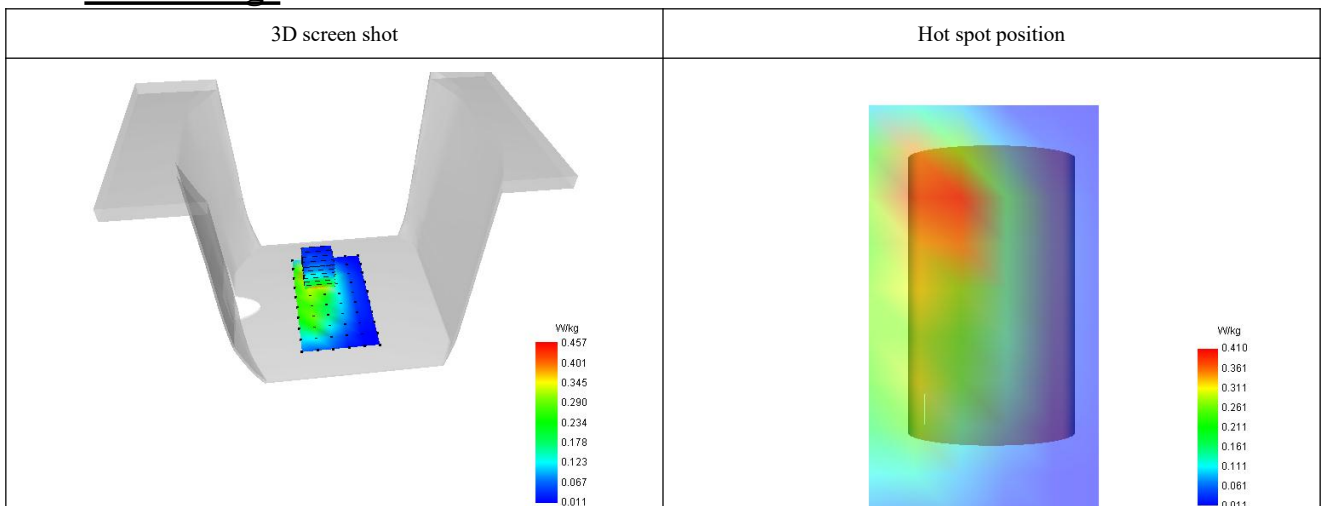
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.235     |
| SAR 1g (W/Kg)                                         | 0.377     |
| Variation (%)                                         | 2.710     |
| Horizontal validation criteria: minimum distance (mm) | 17.888544 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 58.862144 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.728 | 0.457 | 0.269 | 0.237 | 0.131 | 0.125 | 0.059 |



### F. 3D Image



## #5

Date of measurement: 17/9/2026

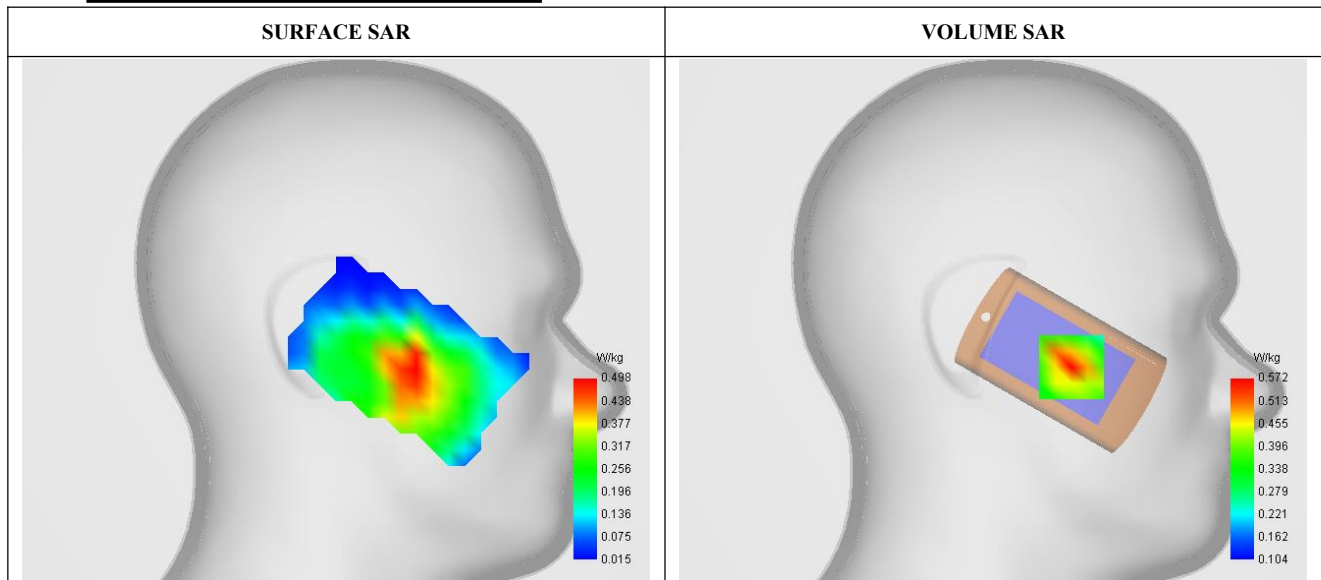
### A. Experimental conditions.

|                    |                                       |
|--------------------|---------------------------------------|
| Probe              | SN 37/08 EP80                         |
| ConvF              | 5.61                                  |
| Area Scan          | dx=8mm dy=8mm, Complete               |
| Zoom Scan          | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom            | Left head                             |
| Device Position    | Cheek                                 |
| Band               | Band 2 (1900)                         |
| Channels/Frequency | Middle (9400)/ frequency 1880.00 Mhz  |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 1880.00 |
| Relative permittivity (real part)      | 40.000  |
| Relative permittivity (imaginary part) | 13.408  |
| Conductivity (S/m)                     | 1.400   |

### C. SAR Surface and Volume



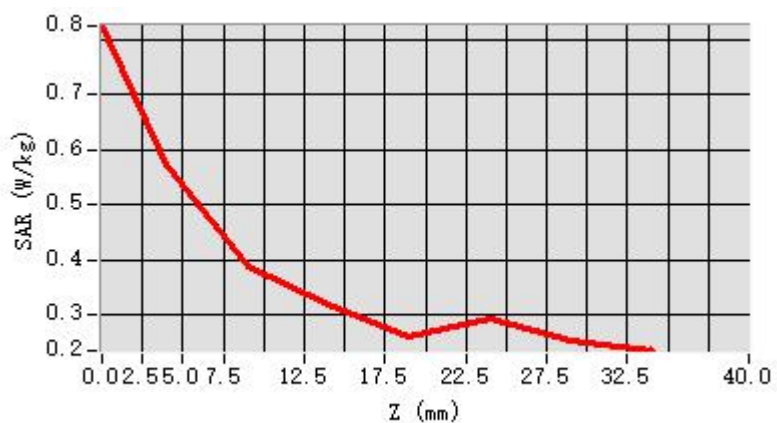
Maximum location: X=-39.00, Y=-23.00 ; SAR Peak: 0.83 W/kg

### D. SAR 1g & 10g

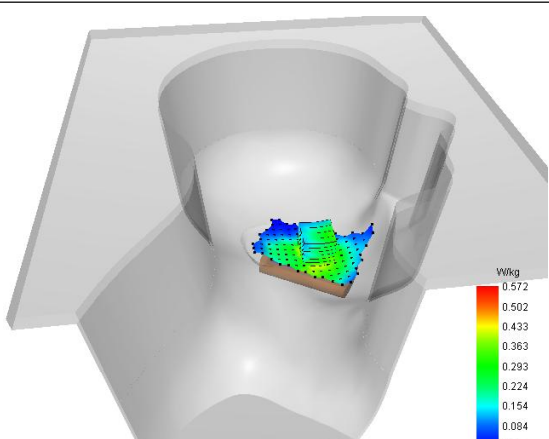
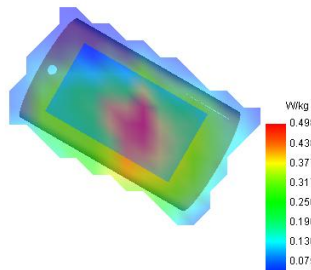
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.355     |
| SAR 1g (W/Kg)                                         | 0.530     |
| Variation (%)                                         | 3.900     |
| Horizontal validation criteria: minimum distance (mm) | 17.888544 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 67.832168 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.824 | 0.572 | 0.388 | 0.317 | 0.262 | 0.294 | 0.255 |



### F. 3D Image

| 3D screen shot                                                                     | Hot spot position                                                                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |

## #6

Date of measurement: 17/9/2026

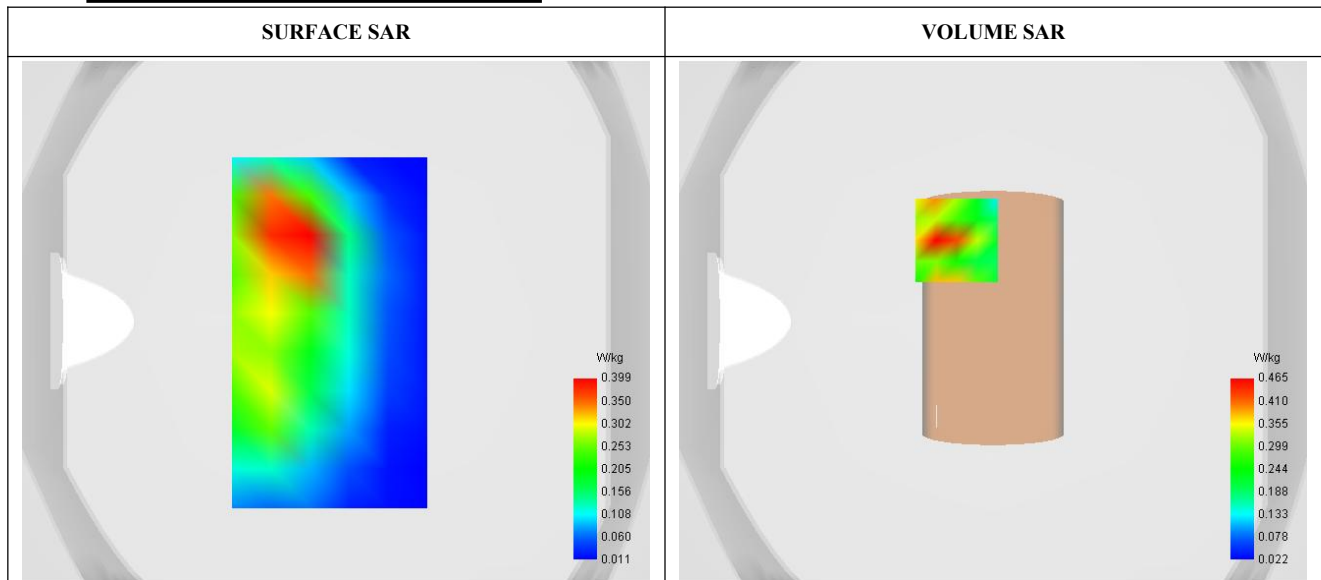
### A. Experimental conditions.

|                    |                                       |
|--------------------|---------------------------------------|
| Probe              | SN 37/08 EP80                         |
| ConvF              | 5.61                                  |
| Area Scan          | dx=15mm dy=15mm, Complete             |
| Zoom Scan          | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom            | Validation plane                      |
| Device Position    | Body                                  |
| Band               | Band 2 (1900)                         |
| Channels/Frequency | Middle (9400)/ frequency 1880.00 Mhz  |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 1880.00 |
| Relative permittivity (real part)      | 40.000  |
| Relative permittivity (imaginary part) | 13.408  |
| Conductivity (S/m)                     | 1.400   |

### C. SAR Surface and Volume



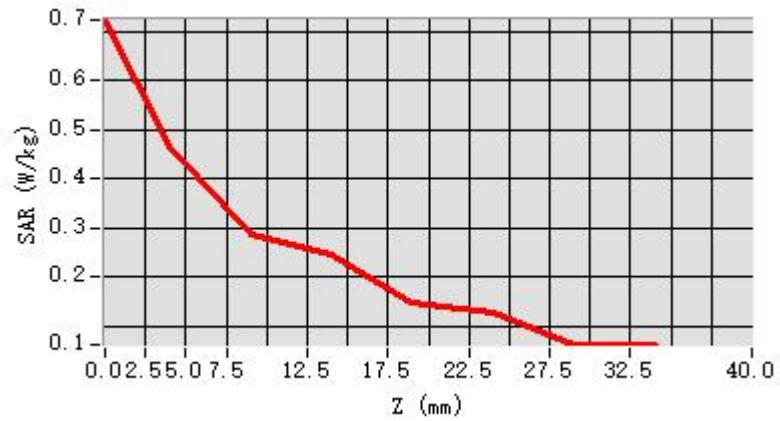
Maximum location: X=-14.00, Y=31.00 ; SAR Peak: 0.66 W/kg

### D. SAR 1g & 10g

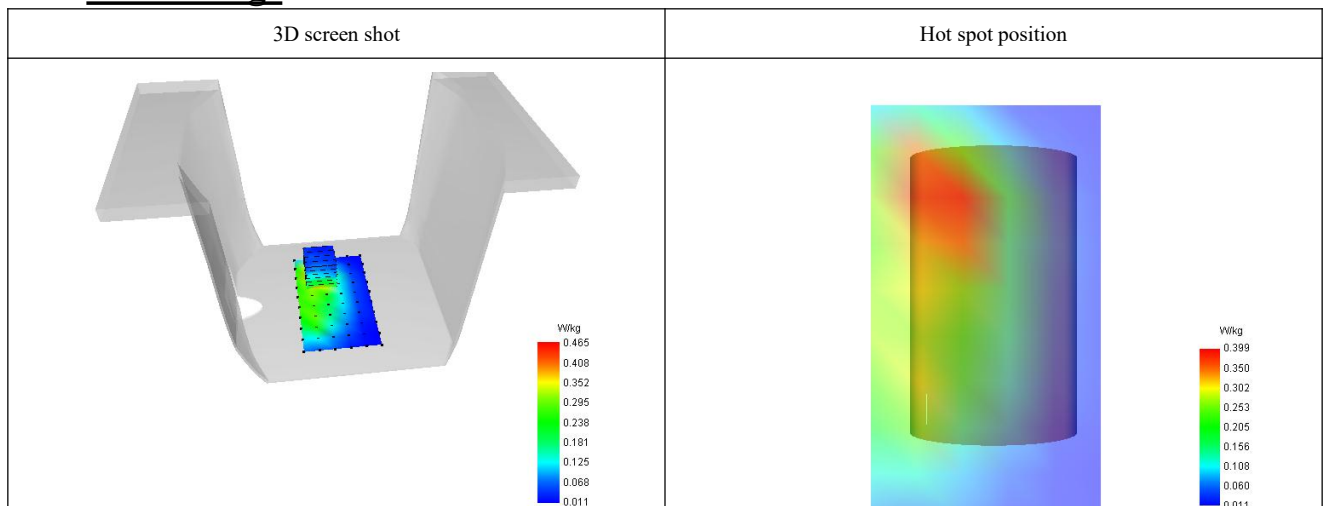
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.245     |
| SAR 1g (W/Kg)                                         | 0.403     |
| Variation (%)                                         | 3.390     |
| Horizontal validation criteria: minimum distance (mm) | 17.888544 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 61.720430 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.724 | 0.465 | 0.287 | 0.245 | 0.147 | 0.126 | 0.062 |



### F. 3D Image



**#7**

Date of measurement: 13/9/2026

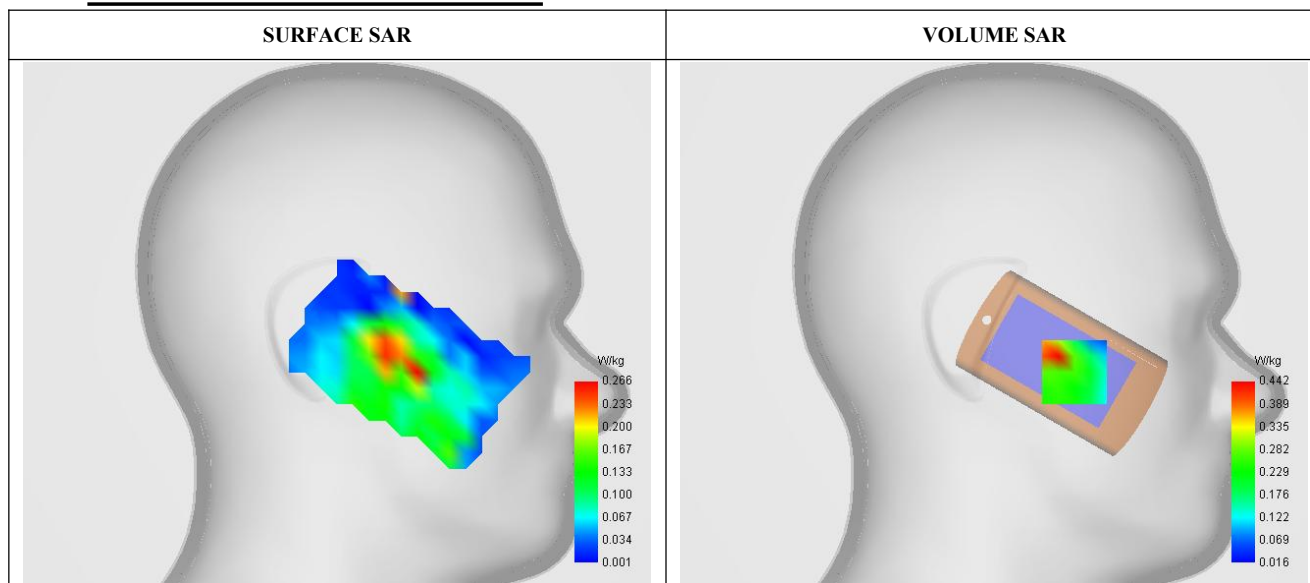
## **A. Experimental conditions.**

|                    |                                       |
|--------------------|---------------------------------------|
| Probe              | SN 37/08 EP80                         |
| ConvF              | 5.21                                  |
| Area Scan          | dx=8mm dy=8mm, Complete               |
| Zoom Scan          | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom            | Left head                             |
| Device Position    | Cheek                                 |
| Band               | Band 4 (1700)                         |
| Channels/Frequency | Middle (1413)/ frequency 1732.60 Mhz  |

## **B. Permittivity**

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 1732.60 |
| Relative permittivity (real part)      | 40.116  |
| Relative permittivity (imaginary part) | 14.136  |
| Conductivity (S/m)                     | 1.361   |

## **C. SAR Surface and Volume**



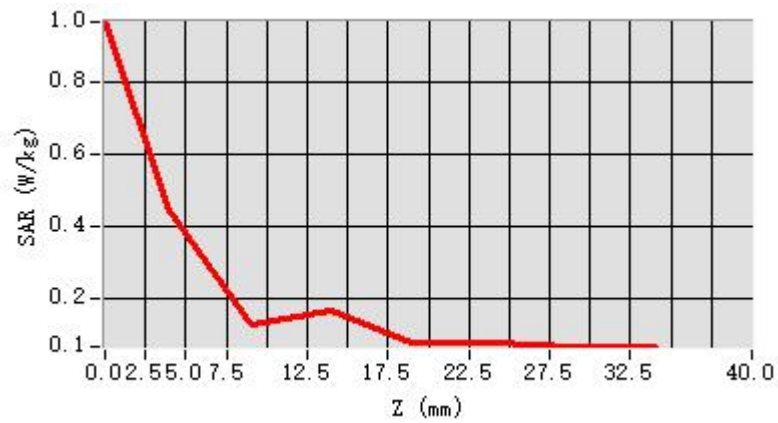
Maximum location: X=-40.00, Y=-24.00 ; SAR Peak: 0.75 W/kg

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

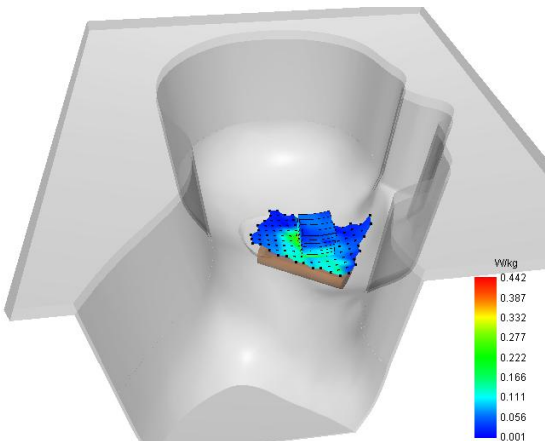
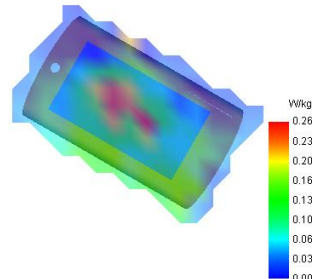
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.163     |
| SAR 1g (W/Kg)                                         | 0.398     |
| Variation (%)                                         | 4.430     |
| Horizontal validation criteria: minimum distance (mm) | 11.313708 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 30.555555 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.967 | 0.432 | 0.132 | 0.166 | 0.072 | 0.076 | 0.063 |



### F. 3D Image

| 3D screen shot                                                                     | Hot spot position                                                                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |

## #8

Date of measurement: 13/9/2026

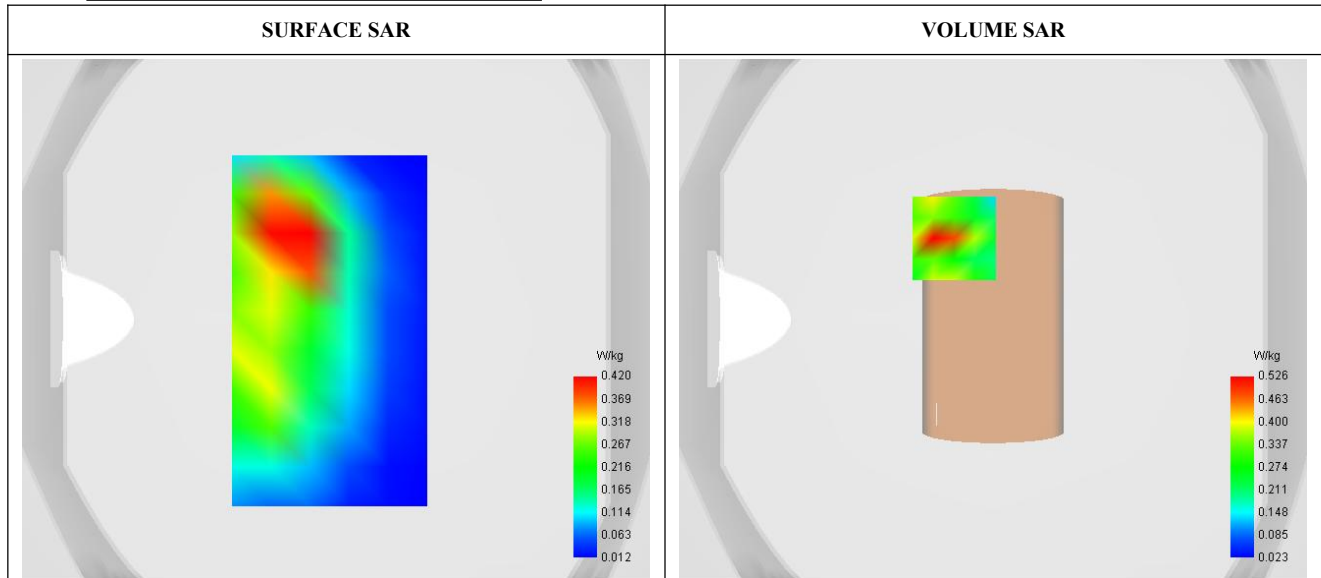
### A. Experimental conditions.

|                    |                                       |
|--------------------|---------------------------------------|
| Probe              | SN 37/08 EP80                         |
| ConvF              | 5.21                                  |
| Area Scan          | dx=15mm dy=15mm, Complete             |
| Zoom Scan          | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom            | Validation plane                      |
| Device Position    | Body                                  |
| Band               | Band 4 (1700)                         |
| Channels/Frequency | Middle (1413)/ frequency 1732.60 Mhz  |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 1732.60 |
| Relative permittivity (real part)      | 40.116  |
| Relative permittivity (imaginary part) | 14.136  |
| Conductivity (S/m)                     | 1.361   |

### C. SAR Surface and Volume



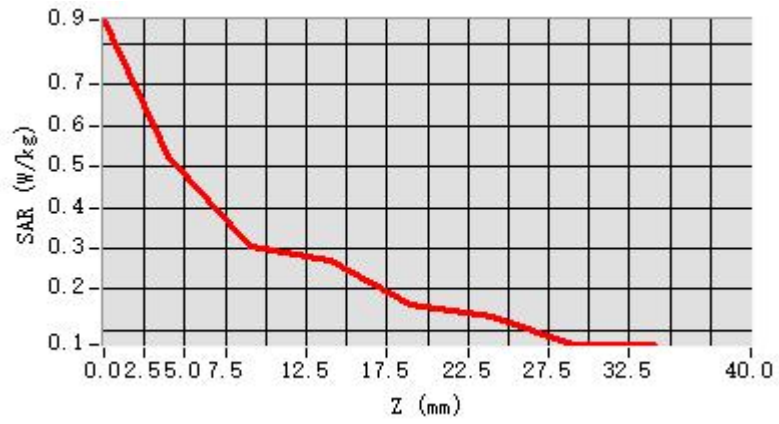
Maximum location: X=-15.00, Y=31.00 ; SAR Peak: 0.80 W/kg

### D. SAR 1g & 10g

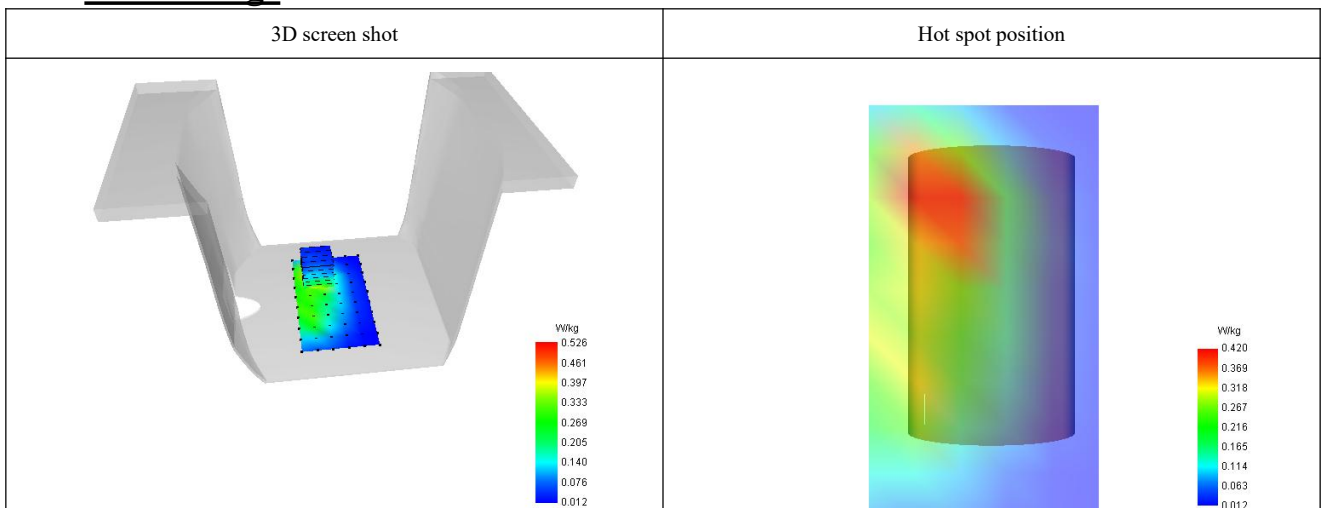
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.269     |
| SAR 1g (W/Kg)                                         | 0.467     |
| Variation (%)                                         | 0.560     |
| Horizontal validation criteria: minimum distance (mm) | 17.888544 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 58.174905 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.857 | 0.526 | 0.306 | 0.271 | 0.161 | 0.134 | 0.066 |



### F. 3D Image



## #9

Date of measurement: 12/9/2026

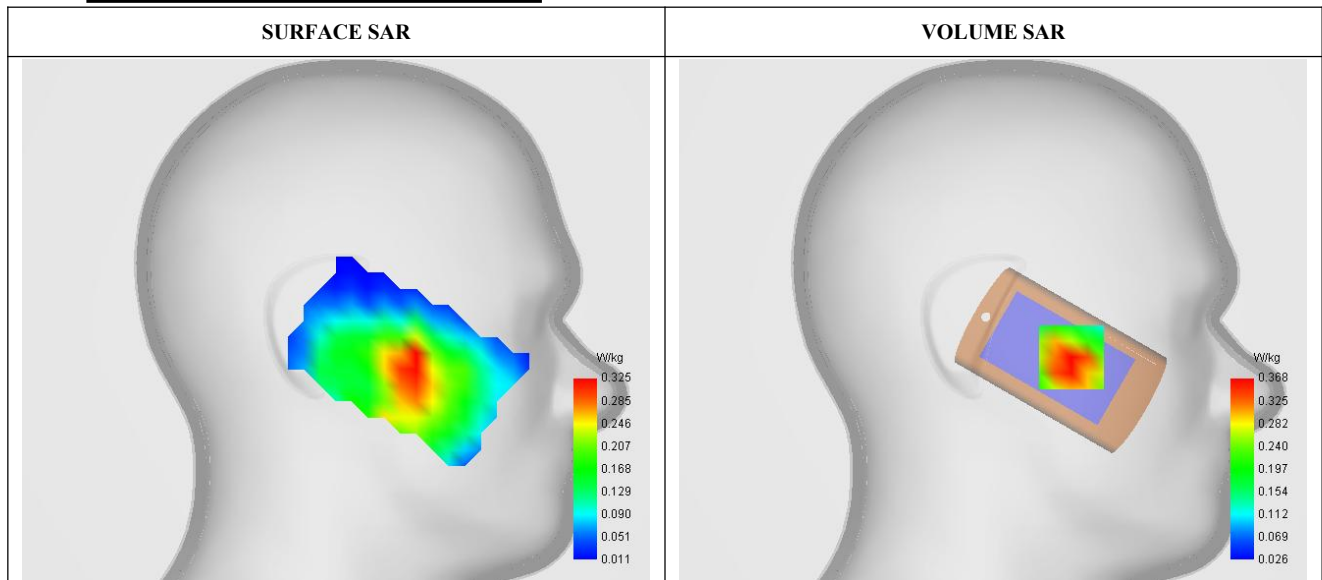
### A. Experimental conditions.

|                    |                                       |
|--------------------|---------------------------------------|
| Probe              | SN 37/08 EP80                         |
| ConvF              | 6.13                                  |
| Area Scan          | dx=8mm dy=8mm, Complete               |
| Zoom Scan          | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom            | Left head                             |
| Device Position    | Cheek                                 |
| Band               | Band 5 (850)                          |
| Channels/Frequency | Middle (4182)/ frequency 836.40 Mhz   |

### B. Permittivity

|                                        |        |
|----------------------------------------|--------|
| Middle TX Frequency (MHz)              | 836.40 |
| Relative permittivity (real part)      | 41.500 |
| Relative permittivity (imaginary part) | 19.400 |
| Conductivity (S/m)                     | 0.901  |

### C. SAR Surface and Volume



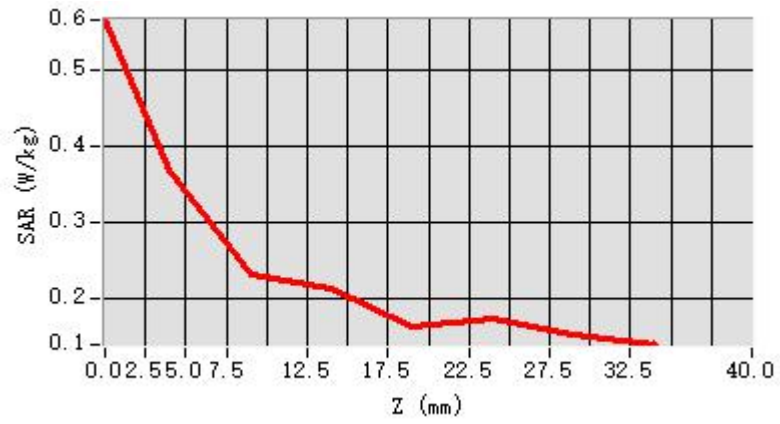
Maximum location: X=-39.00, Y=-18.00 ; SAR Peak: 0.58 W/kg

### D. SAR 1g & 10g

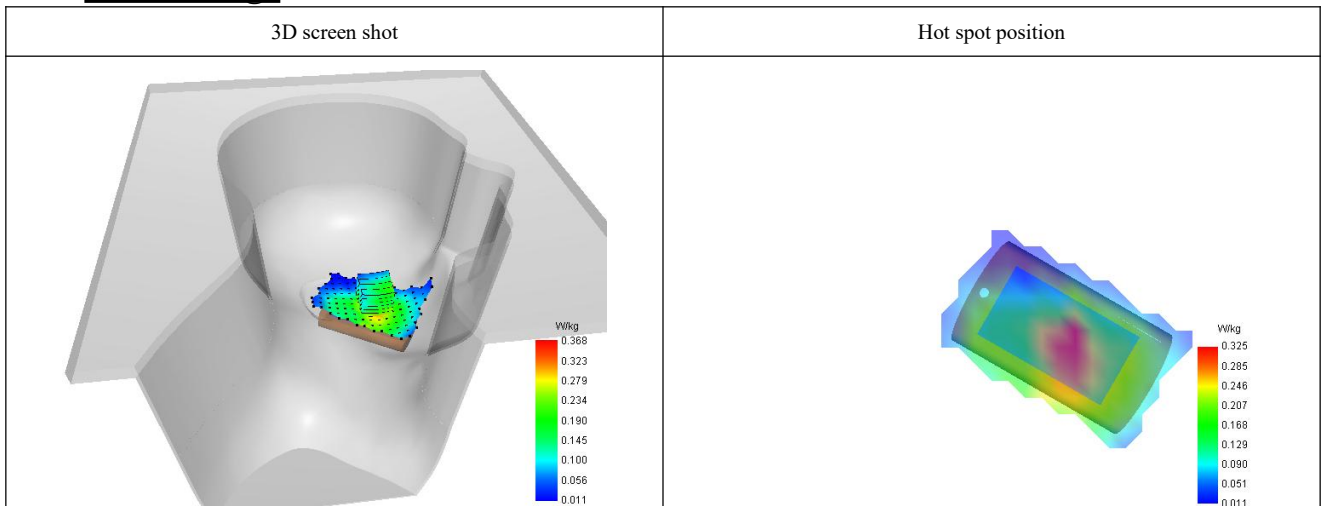
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.234     |
| SAR 1g (W/Kg)                                         | 0.361     |
| Variation (%)                                         | 0.970     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 62.500000 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.566 | 0.368 | 0.230 | 0.213 | 0.162 | 0.174 | 0.151 |



### F. 3D Image



## #10

Date of measurement: 12/9/2026

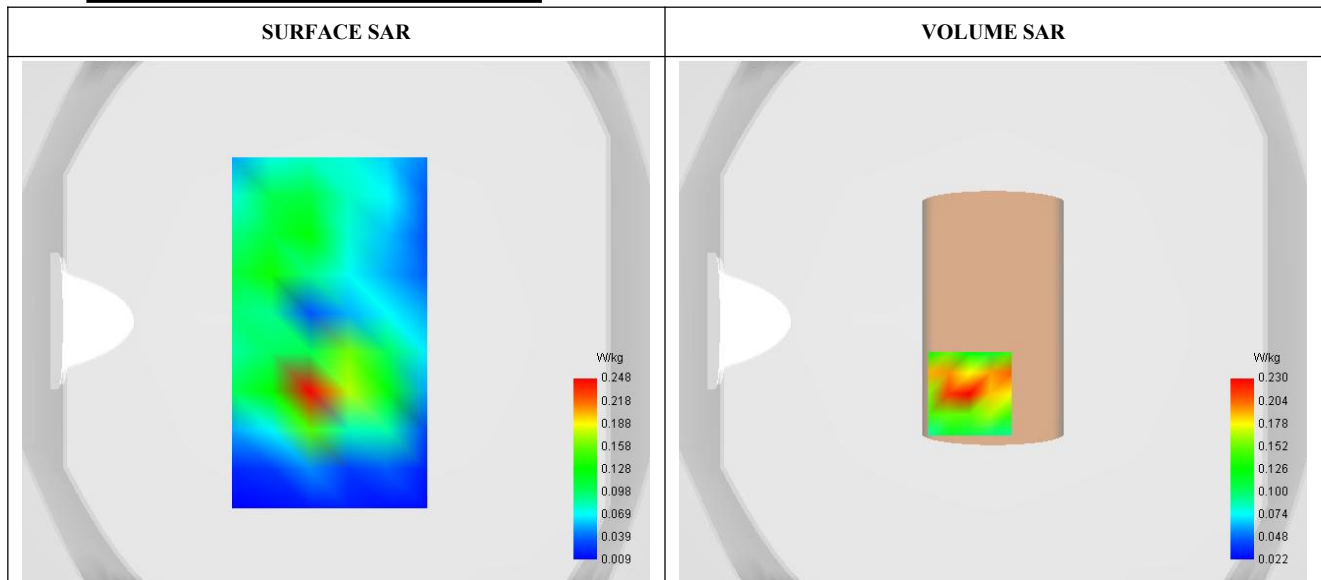
### A. Experimental conditions.

|                    |                                       |
|--------------------|---------------------------------------|
| Probe              | SN 37/08 EP80                         |
| ConvF              | 6.13                                  |
| Area Scan          | dx=15mm dy=15mm, Complete             |
| Zoom Scan          | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom            | Validation plane                      |
| Device Position    | Body                                  |
| Band               | Band 5 (850)                          |
| Channels/Frequency | Middle (4182)/ frequency 836.40 Mhz   |

### B. Permittivity

|                                        |        |
|----------------------------------------|--------|
| Middle TX Frequency (MHz)              | 836.40 |
| Relative permittivity (real part)      | 41.500 |
| Relative permittivity (imaginary part) | 19.400 |
| Conductivity (S/m)                     | 0.901  |

### C. SAR Surface and Volume



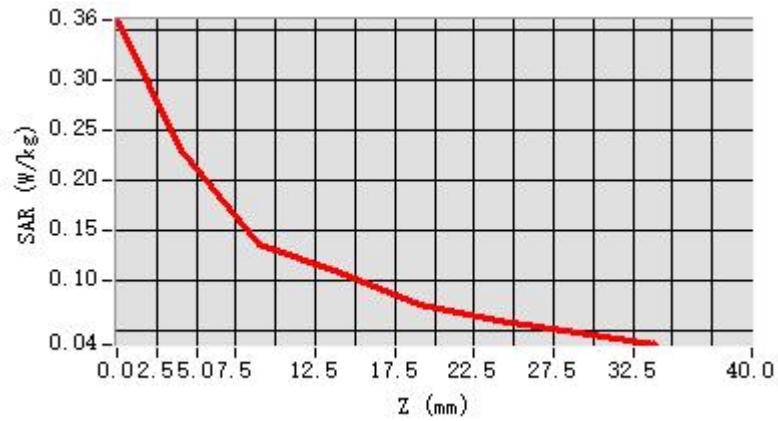
Maximum location: X=-9.00, Y=-28.00 ; SAR Peak: 0.36 W/kg

### D. SAR 1g & 10g

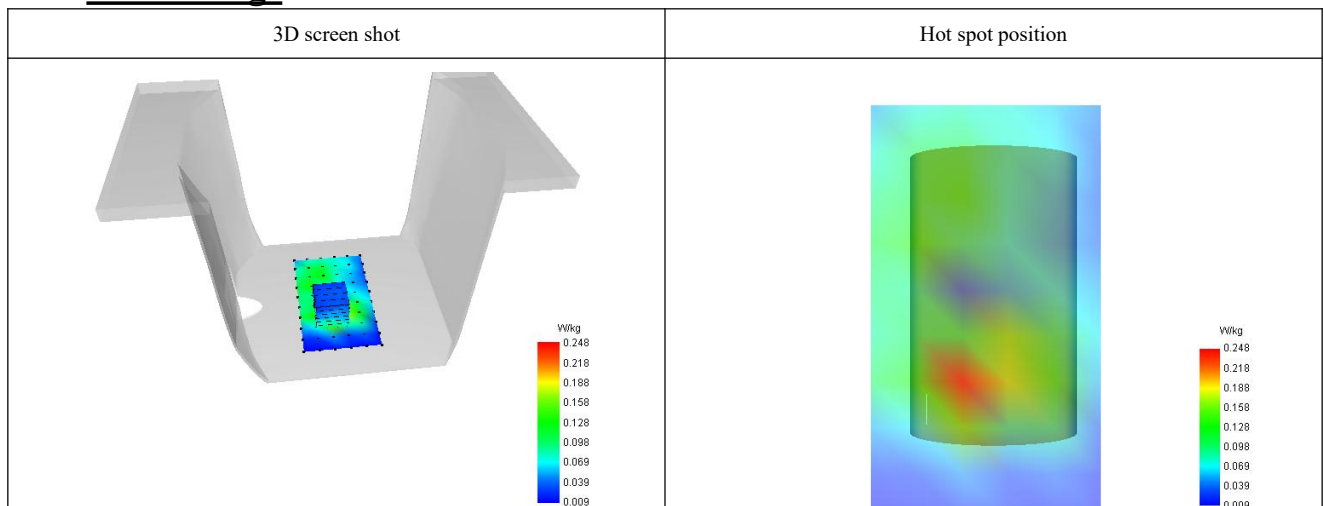
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.121     |
| SAR 1g (W/Kg)                                         | 0.217     |
| Variation (%)                                         | -1.430    |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 59.130435 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.360 | 0.230 | 0.136 | 0.108 | 0.076 | 0.060 | 0.048 |



### F. 3D Image



## #11

Date of measurement: 20/9/2026

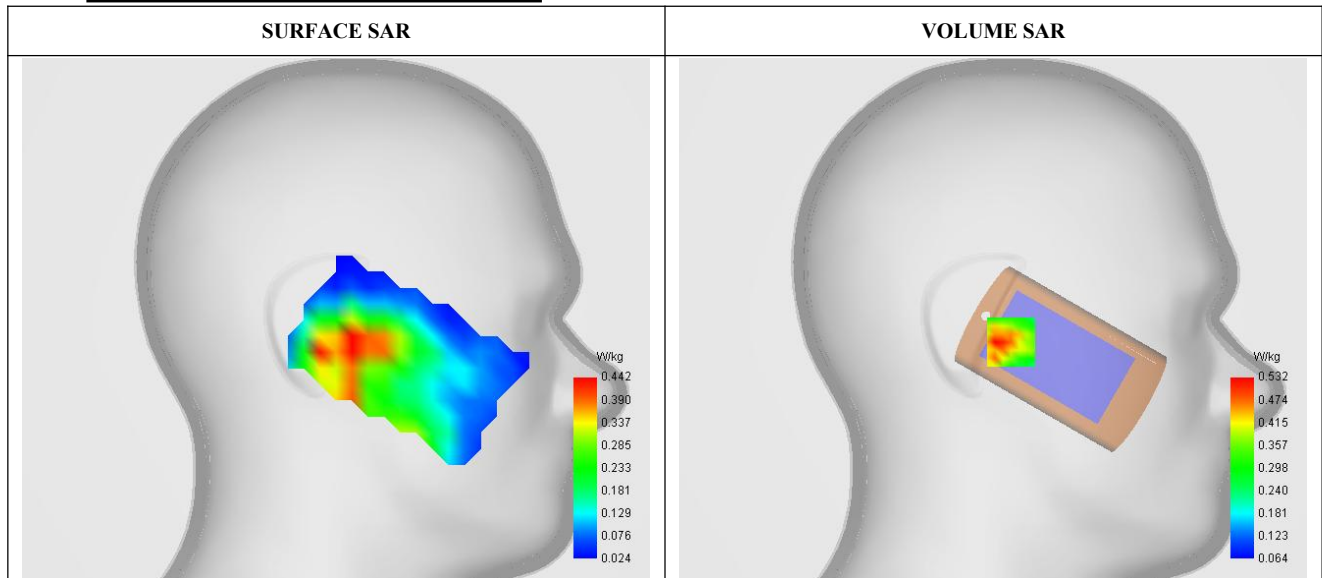
### A. Experimental conditions.

|                    |                                        |
|--------------------|----------------------------------------|
| Probe              | SN 27/13 EPG193                        |
| ConvF              | 21.61                                  |
| Area Scan          | dx=8mm dy=8mm, Complete                |
| Zoom Scan          | 7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete |
| Phantom            | Left head                              |
| Device Position    | Cheek                                  |
| Band               | U-NII-1                                |
| Channels/Frequency | Lower (36)/ frequency 5180.00 Mhz      |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 5180.00 |
| Relative permittivity (real part)      | 36.020  |
| Relative permittivity (imaginary part) | 16.119  |
| Conductivity (S/m)                     | 4.639   |

### C. SAR Surface and Volume



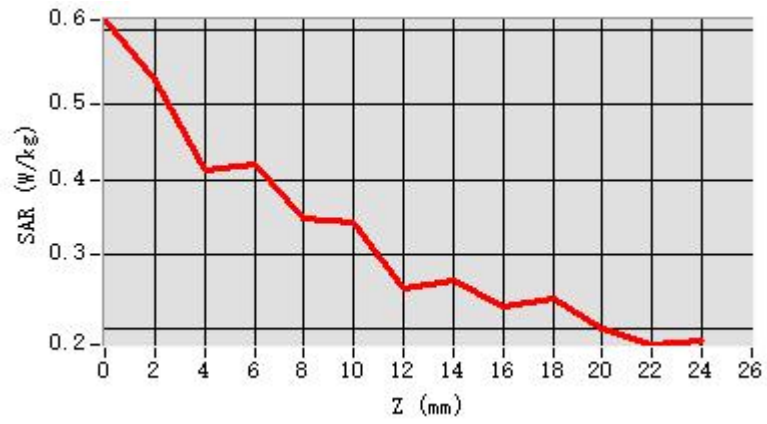
Maximum location: X=-9.00, Y=-11.00 ; SAR Peak: 0.97 W/kg

### D. SAR 1g & 10g

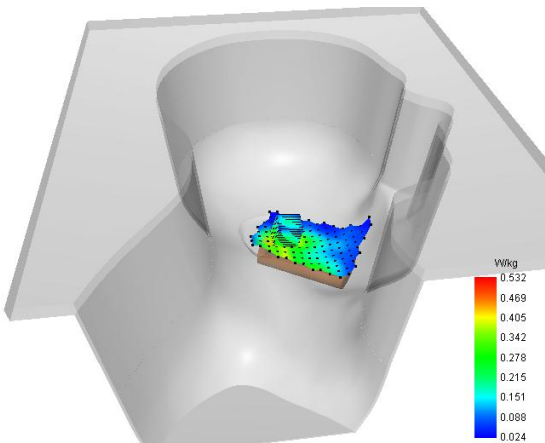
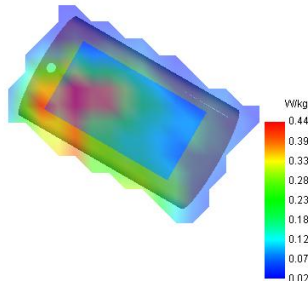
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.296     |
| SAR 1g (W/Kg)                                         | 0.514     |
| Variation (%)                                         | 2.010     |
| Horizontal validation criteria: minimum distance (mm) | 16.970563 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 77.255639 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 2.00  | 4.00  | 6.00  | 8.00  | 10.00 | 12.00 | 14.00 | 16.00 | 18.00 | 20.00 | 22.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.614 | 0.532 | 0.411 | 0.420 | 0.347 | 0.343 | 0.253 | 0.265 | 0.230 | 0.241 | 0.201 | 0.179 |



### F. 3D Image

| 3D screen shot                                                                     | Hot spot position                                                                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |

## #12

Date of measurement: 20/9/2026

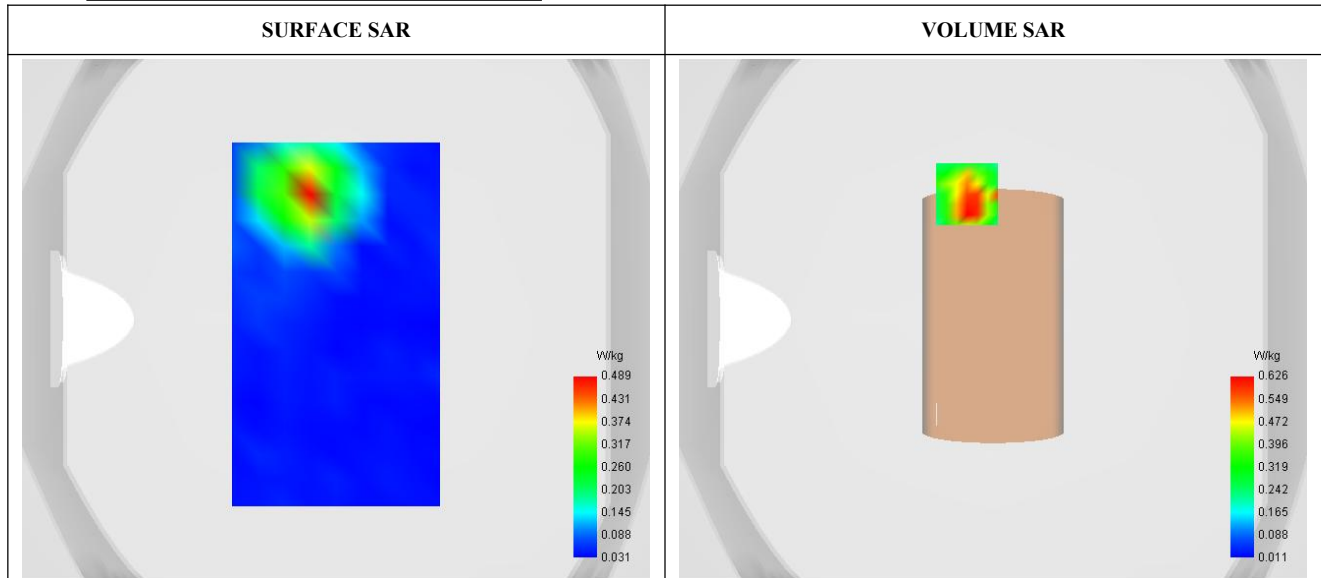
### A. Experimental conditions.

|                    |                                        |
|--------------------|----------------------------------------|
| Probe              | SN 27/13 EPG193                        |
| ConvF              | 21.61                                  |
| Area Scan          | dx=10mm dy=10mm, Complete              |
| Zoom Scan          | 7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete |
| Phantom            | Validation plane                       |
| Device Position    | Body                                   |
| Band               | U-NII-1                                |
| Channels/Frequency | Lower (36)/ frequency 5180.00 Mhz      |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 5180.00 |
| Relative permittivity (real part)      | 36.020  |
| Relative permittivity (imaginary part) | 16.119  |
| Conductivity (S/m)                     | 4.639   |

### C. SAR Surface and Volume



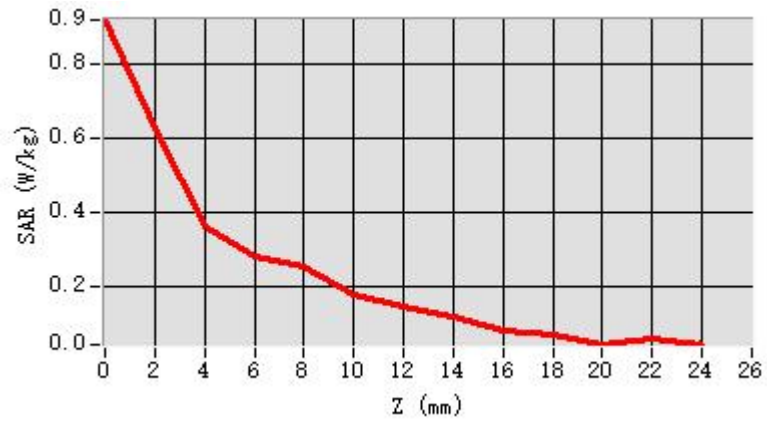
Maximum location: X=-10.00, Y=48.00 ; SAR Peak: 1.28 W/kg

### D. SAR 1g & 10g

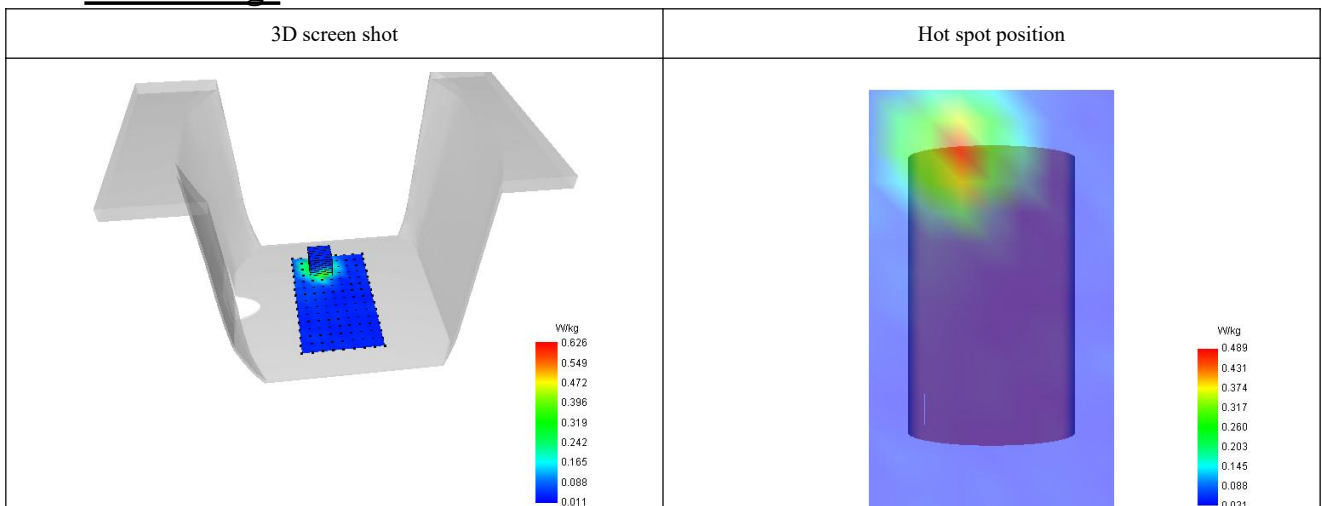
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.170     |
| SAR 1g (W/Kg)                                         | 0.392     |
| Variation (%)                                         | 4.270     |
| Horizontal validation criteria: minimum distance (mm) | 8.944272  |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 57.348243 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 2.00  | 4.00  | 6.00  | 8.00  | 10.00 | 12.00 | 14.00 | 16.00 | 18.00 | 20.00 | 22.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.918 | 0.626 | 0.359 | 0.283 | 0.252 | 0.180 | 0.145 | 0.119 | 0.079 | 0.071 | 0.043 | 0.057 |



### F. 3D Image



## #13

Date of measurement: 27/9/2026

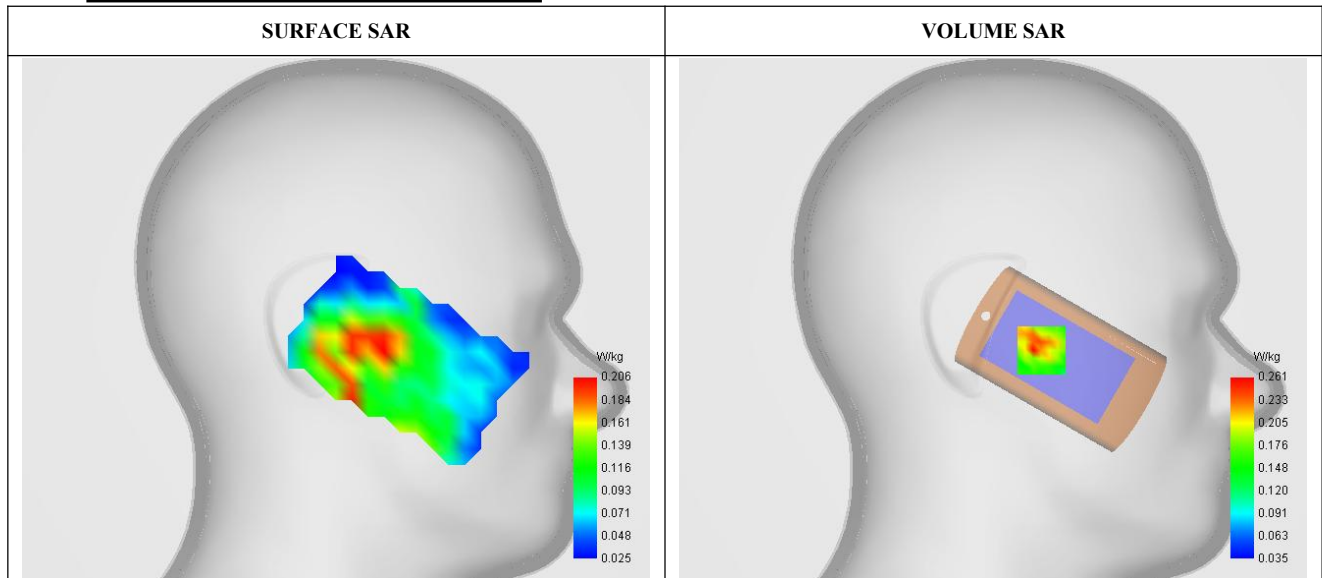
### A. Experimental conditions.

|                    |                                        |
|--------------------|----------------------------------------|
| Probe              | SN 27/13 EPG193                        |
| ConvF              | 22.42                                  |
| Area Scan          | dx=8mm dy=8mm, Complete                |
| Zoom Scan          | 7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete |
| Phantom            | Left head                              |
| Device Position    | Cheek                                  |
| Band               | U-NII-3                                |
| Channels/Frequency | Higher (159)/ frequency 5795.00 Mhz    |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 5795.00 |
| Relative permittivity (real part)      | 35.305  |
| Relative permittivity (imaginary part) | 16.358  |
| Conductivity (S/m)                     | 5.267   |

### C. SAR Surface and Volume



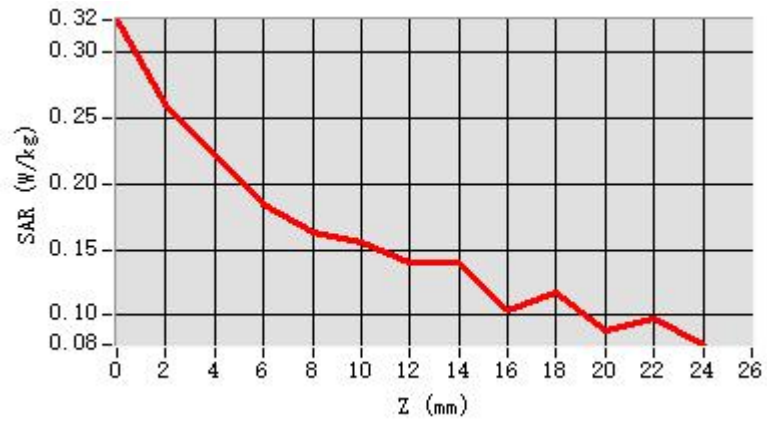
Maximum location: X=-24.00, Y=-15.00 ; SAR Peak: 0.55 W/kg

### D. SAR 1g & 10g

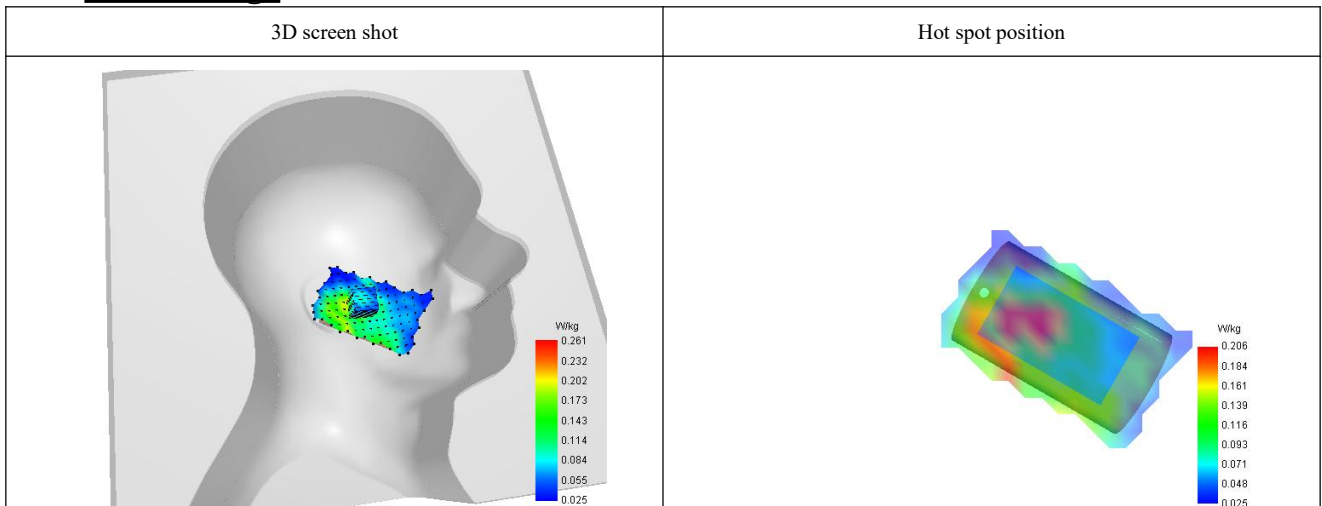
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.137     |
| SAR 1g (W/Kg)                                         | 0.227     |
| Variation (%)                                         | 2.760     |
| Horizontal validation criteria: minimum distance (mm) | 20.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 85.057471 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 2.00  | 4.00  | 6.00  | 8.00  | 10.00 | 12.00 | 14.00 | 16.00 | 18.00 | 20.00 | 22.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.325 | 0.261 | 0.222 | 0.185 | 0.163 | 0.156 | 0.140 | 0.139 | 0.104 | 0.118 | 0.088 | 0.098 |



### F. 3D Image



## #14

Date of measurement: 27/9/2026

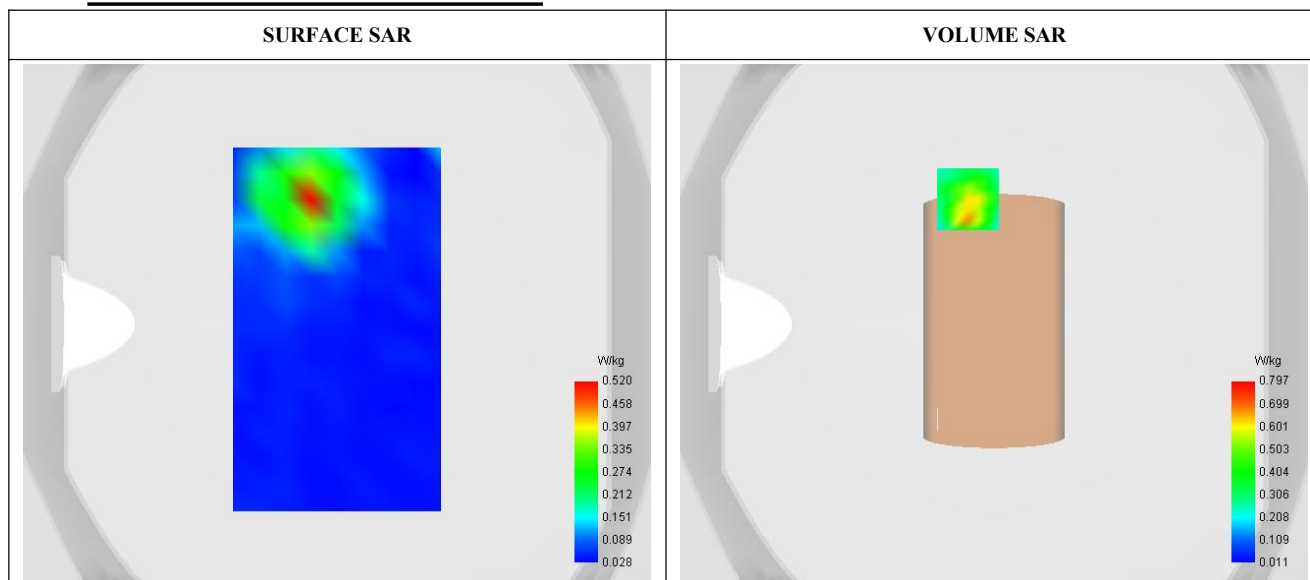
### A. Experimental conditions.

|                    |                                        |
|--------------------|----------------------------------------|
| Probe              | SN 27/13 EPG193                        |
| ConvF              | 22.42                                  |
| Area Scan          | dx=10mm dy=10mm, Complete              |
| Zoom Scan          | 7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete |
| Phantom            | Validation plane                       |
| Device Position    | Body                                   |
| Band               | U-NII-3                                |
| Channels/Frequency | Higher (159)/ frequency 5795.00 Mhz    |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 5795.00 |
| Relative permittivity (real part)      | 35.305  |
| Relative permittivity (imaginary part) | 16.358  |
| Conductivity (S/m)                     | 5.267   |

### C. SAR Surface and Volume



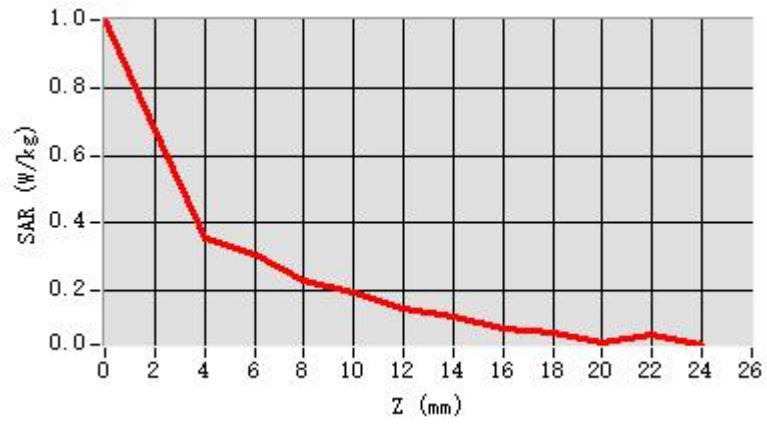
Maximum location: X=-10.00, Y=48.00 ; SAR Peak: 1.13 W/kg

### D. SAR 1g & 10g

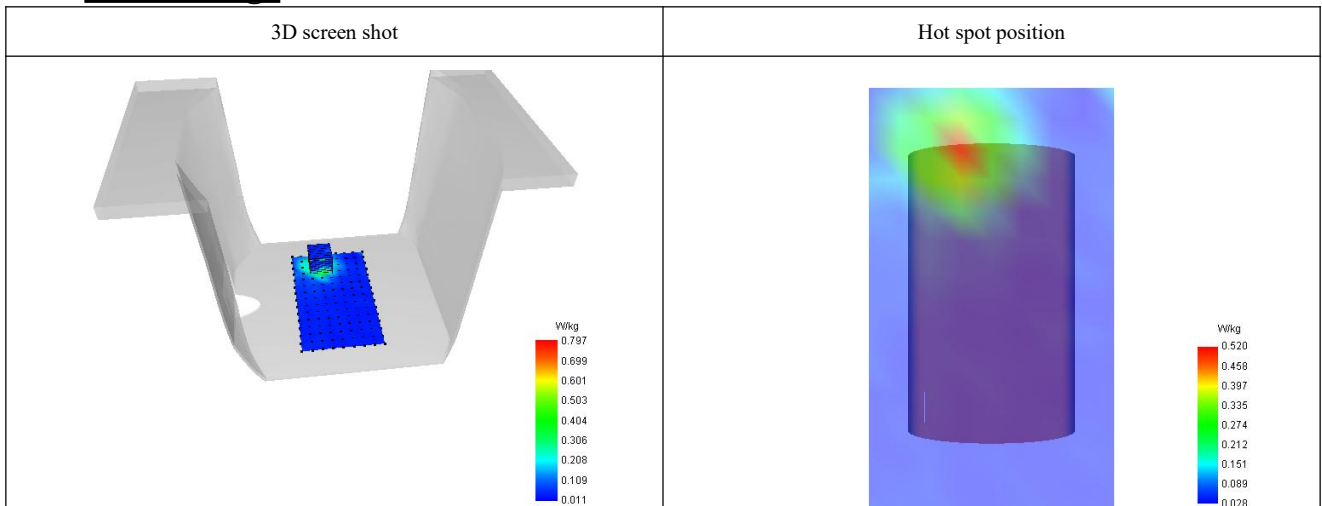
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.167     |
| SAR 1g (W/Kg)                                         | 0.439     |
| Variation (%)                                         | -2.470    |
| Horizontal validation criteria: minimum distance (mm) | 8.944272  |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 52.678571 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 2.00  | 4.00  | 6.00  | 8.00  | 10.00 | 12.00 | 14.00 | 16.00 | 18.00 | 20.00 | 22.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.998 | 0.672 | 0.354 | 0.309 | 0.231 | 0.197 | 0.149 | 0.124 | 0.089 | 0.079 | 0.050 | 0.073 |



### F. 3D Image



## #15

Date of measurement: 18/9/2026

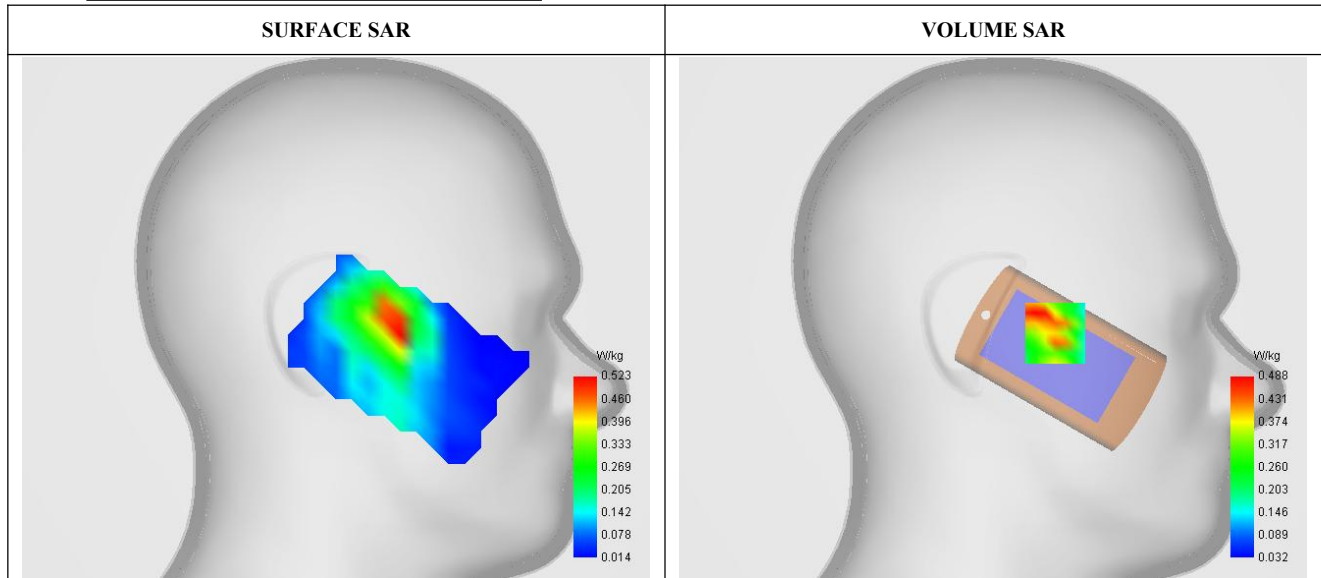
### A. Experimental conditions.

|                    |                                       |
|--------------------|---------------------------------------|
| Probe              | SN 37/08 EP80                         |
| ConvF              | 4.82                                  |
| Area Scan          | dx=8mm dy=8mm, Complete               |
| Zoom Scan          | 7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete |
| Phantom            | Left head                             |
| Device Position    | Cheek                                 |
| Band               | ISM                                   |
| Channels/Frequency | Lower (1)/ frequency 2412.00 Mhz      |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 2412.00 |
| Relative permittivity (real part)      | 39.276  |
| Relative permittivity (imaginary part) | 13.182  |
| Conductivity (S/m)                     | 1.766   |

### C. SAR Surface and Volume



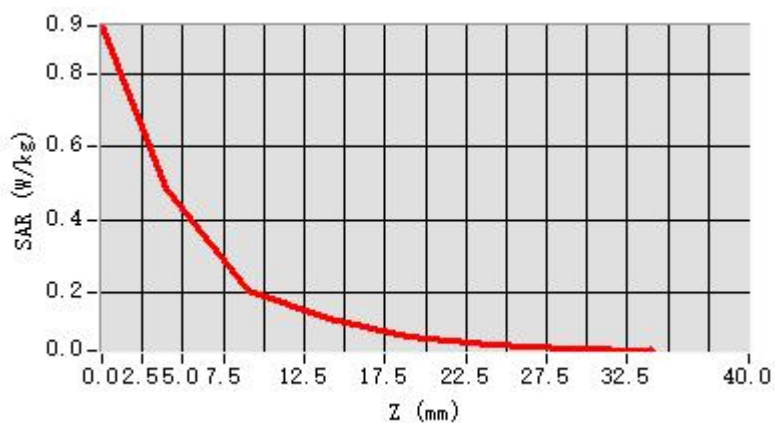
Maximum location: X=-31.00, Y=-7.00 ; SAR Peak: 0.71 W/kg

### D. SAR 1g & 10g

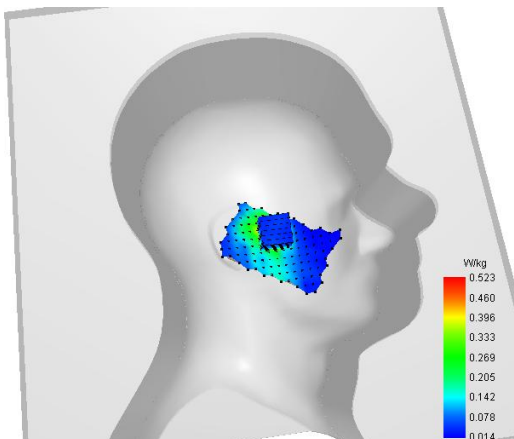
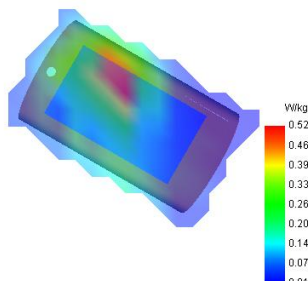
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.202     |
| SAR 1g (W/Kg)                                         | 0.418     |
| Variation (%)                                         | -2.850    |
| Horizontal validation criteria: minimum distance (mm) | 20.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 42.008197 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.931 | 0.488 | 0.205 | 0.127 | 0.078 | 0.059 | 0.043 |



### F. 3D Image

| 3D screen shot                                                                     | Hot spot position                                                                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |

## #16

Date of measurement: 18/9/2026

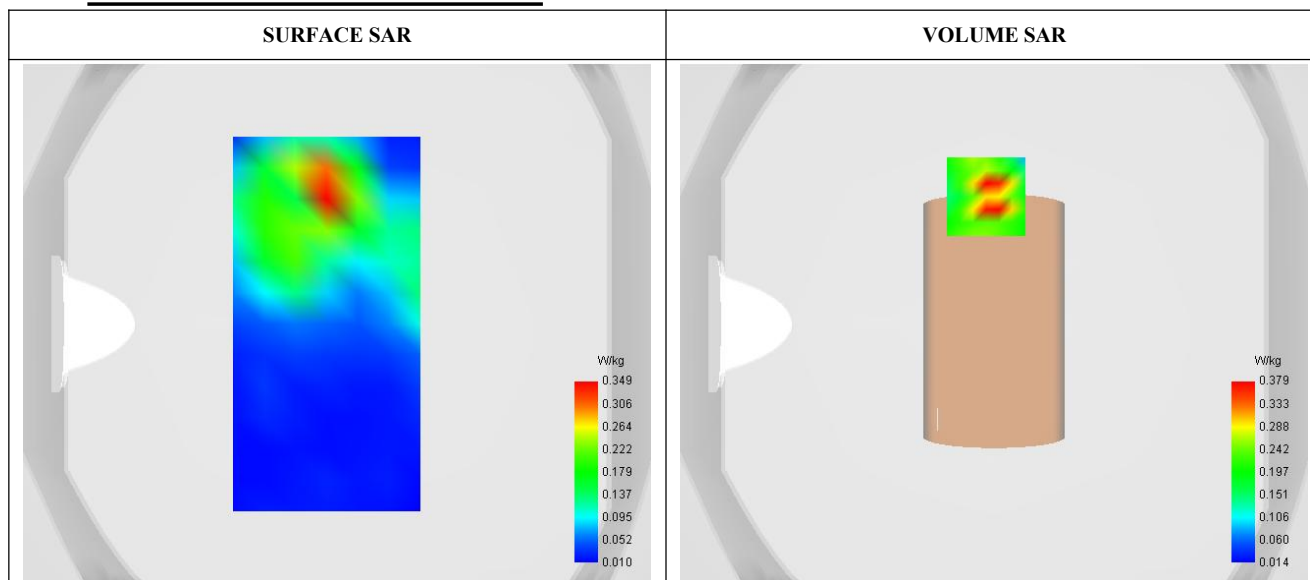
### A. Experimental conditions.

|                    |                                       |
|--------------------|---------------------------------------|
| Probe              | SN 37/08 EP80                         |
| ConvF              | 4.82                                  |
| Area Scan          | dx=12mm dy=12mm, Complete             |
| Zoom Scan          | 7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete |
| Phantom            | Validation plane                      |
| Device Position    | Body                                  |
| Band               | ISM                                   |
| Channels/Frequency | Lower (1)/ frequency 2412.00 Mhz      |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 2412.00 |
| Relative permittivity (real part)      | 39.276  |
| Relative permittivity (imaginary part) | 13.182  |
| Conductivity (S/m)                     | 1.766   |

### C. SAR Surface and Volume



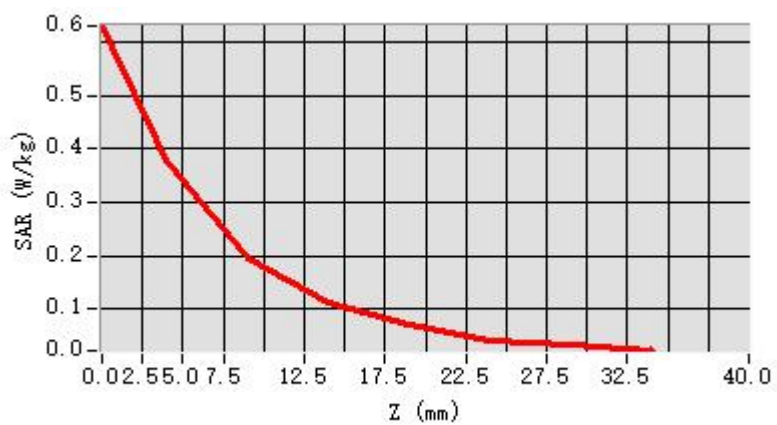
Maximum location: X=-3.00, Y=49.00 ; SAR Peak: 0.62 W/kg

### D. SAR 1g & 10g

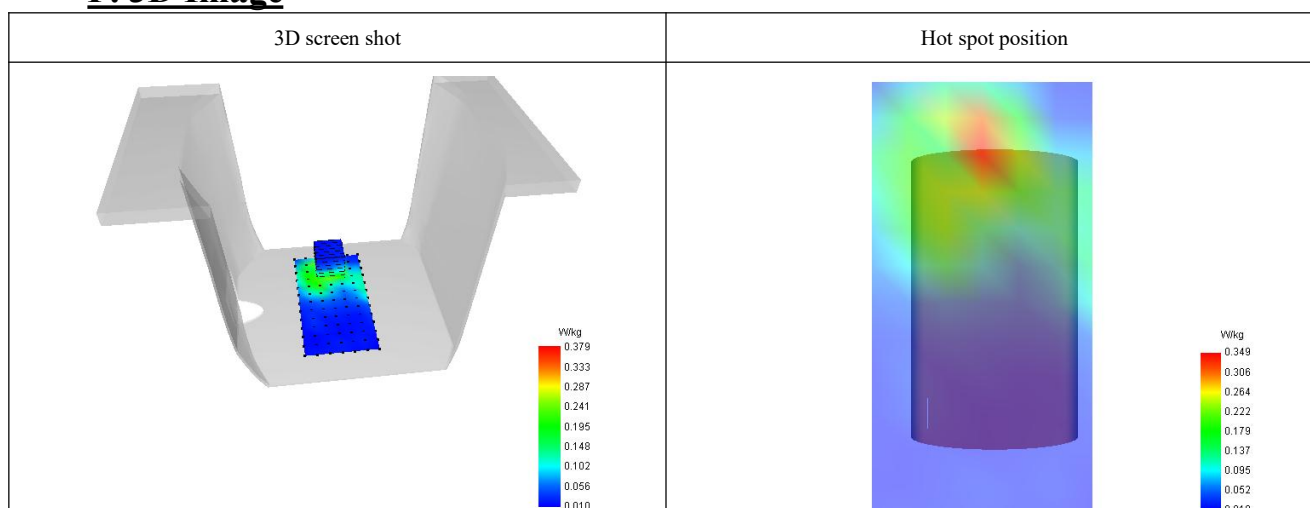
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.177     |
| SAR 1g (W/Kg)                                         | 0.306     |
| Variation (%)                                         | 0.570     |
| Horizontal validation criteria: minimum distance (mm) | 11.180340 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 51.715040 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.630 | 0.379 | 0.196 | 0.113 | 0.071 | 0.042 | 0.032 |



### F. 3D Image



## #17

Date of measurement: 17/9/2026

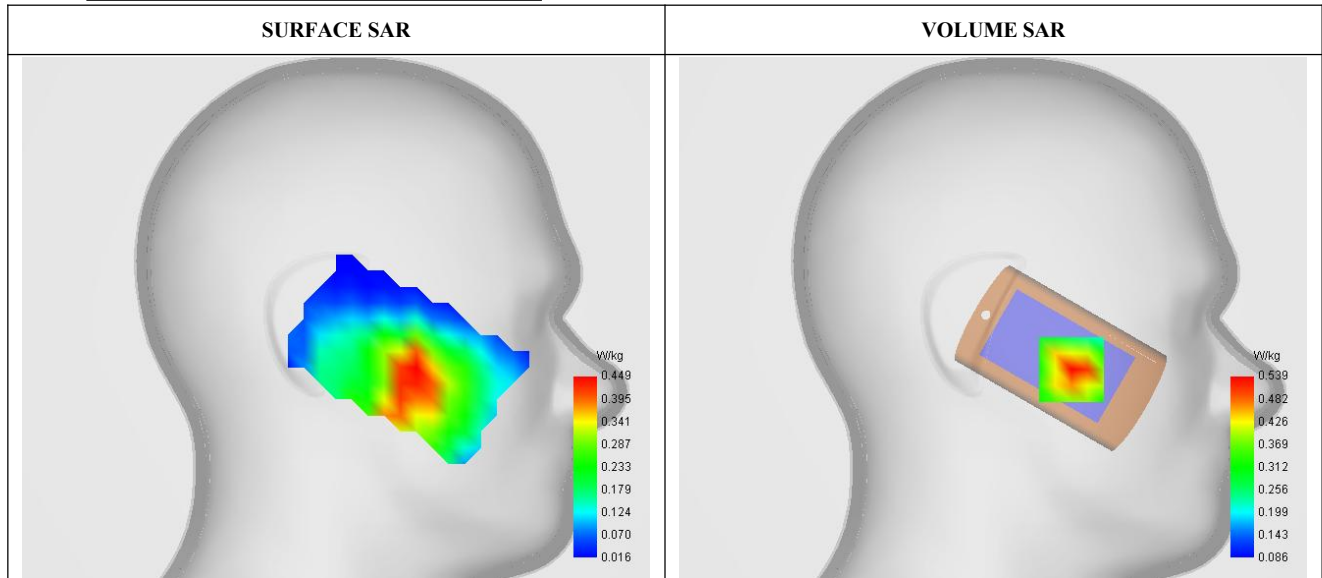
### A. Experimental conditions.

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Probe                                          | SN 37/08 EP80                         |
| ConvF                                          | 5.61                                  |
| Area Scan                                      | dx=8mm dy=8mm, Complete               |
| Zoom Scan                                      | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom                                        | Left head                             |
| Device Position                                | Cheek                                 |
| Band                                           | LTE band 2                            |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (18900)/ frequency 1880.00 Mhz |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 1880.00 |
| Relative permittivity (real part)      | 40.000  |
| Relative permittivity (imaginary part) | 13.408  |
| Conductivity (S/m)                     | 1.400   |

### C. SAR Surface and Volume



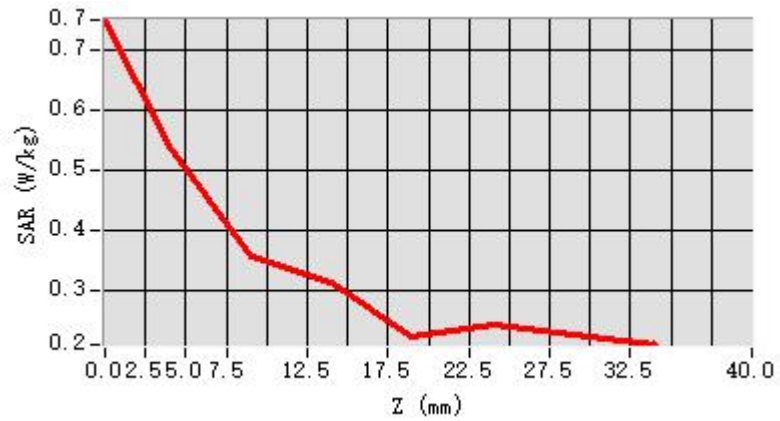
Maximum location: X=-39.00, Y=-25.00 ; SAR Peak: 0.83 W/kg

### D. SAR 1g & 10g

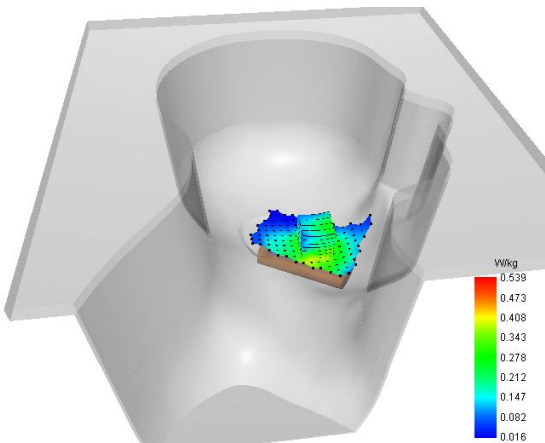
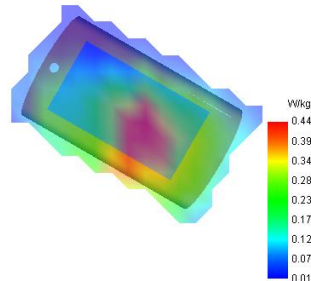
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.336     |
| SAR 1g (W/Kg)                                         | 0.510     |
| Variation (%)                                         | 0.910     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 66.233766 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.748 | 0.539 | 0.357 | 0.314 | 0.226 | 0.244 | 0.228 |



### F. 3D Image

| 3D screen shot                                                                     | Hot spot position                                                                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |

## #18

Date of measurement: 17/9/2026

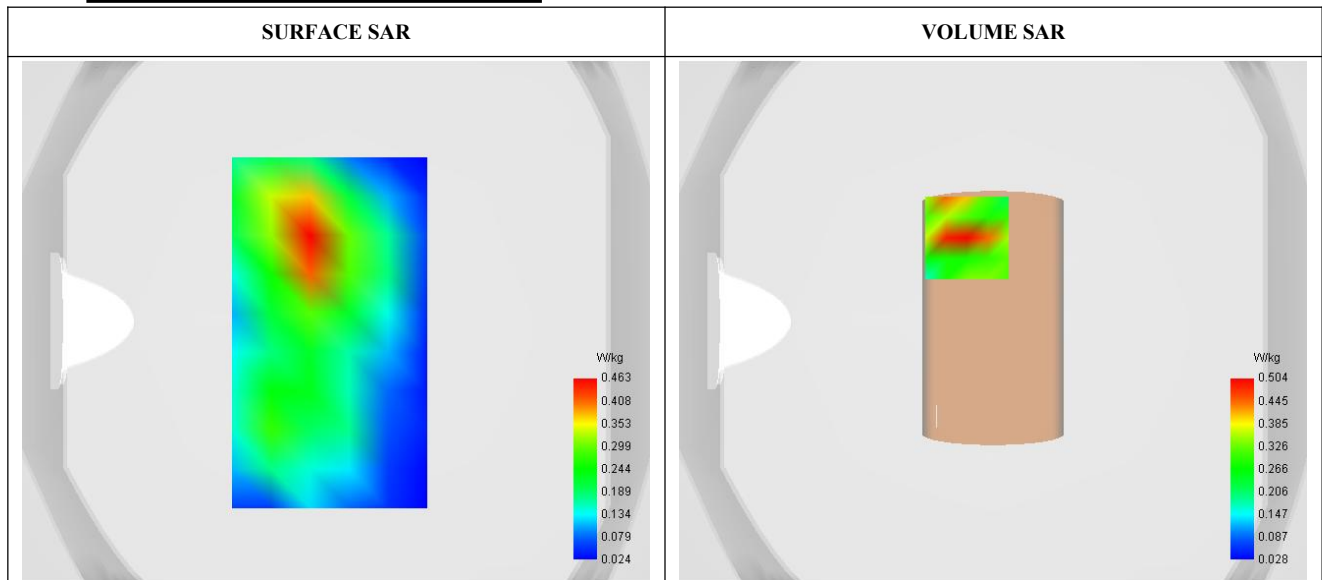
### A. Experimental conditions.

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Probe                                          | SN 37/08 EP80                         |
| ConvF                                          | 5.61                                  |
| Area Scan                                      | dx=15mm dy=15mm, Complete             |
| Zoom Scan                                      | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom                                        | Validation plane                      |
| Device Position                                | Body                                  |
| Band                                           | LTE band 2                            |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (18900)/ frequency 1880.00 Mhz |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 1880.00 |
| Relative permittivity (real part)      | 40.000  |
| Relative permittivity (imaginary part) | 13.408  |
| Conductivity (S/m)                     | 1.400   |

### C. SAR Surface and Volume



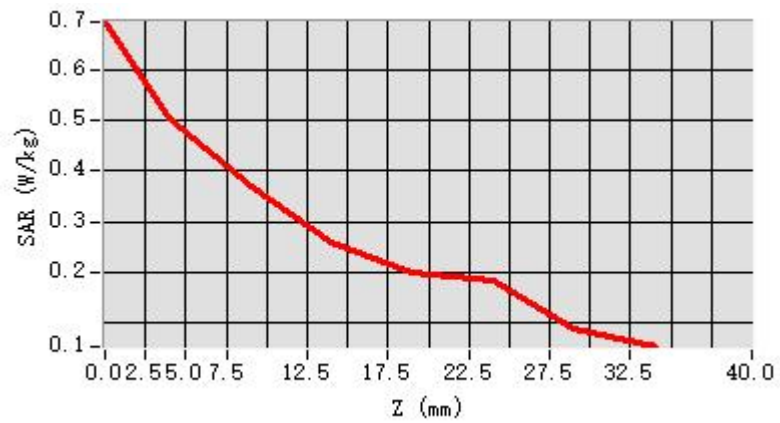
Maximum location: X=-10.00, Y=32.00 ; SAR Peak: 0.69 W/kg

### D. SAR 1g & 10g

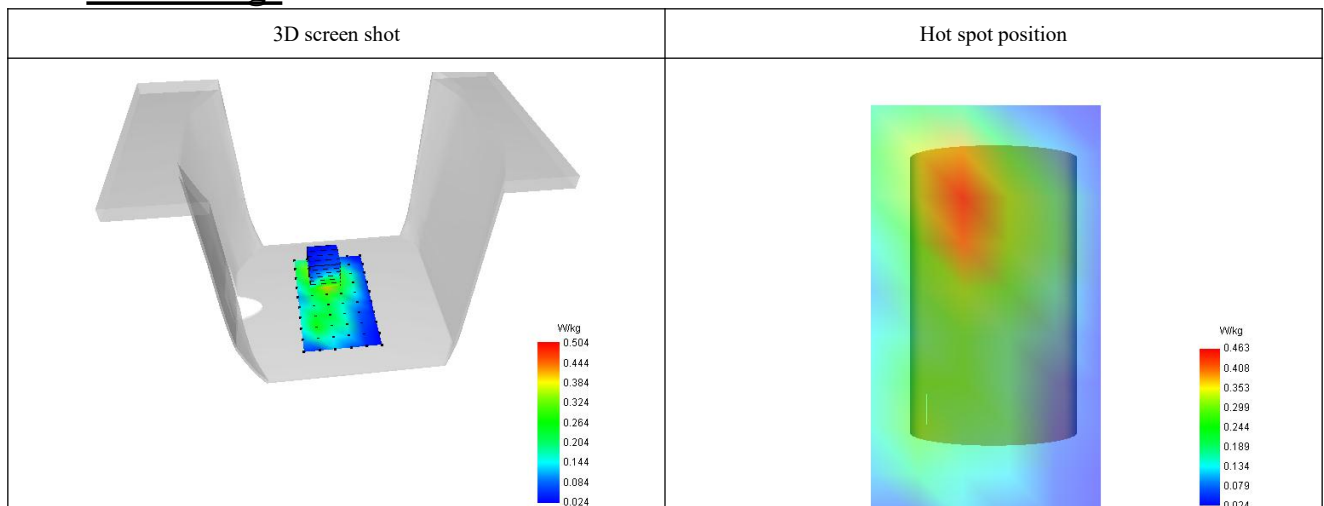
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.273     |
| SAR 1g (W/Kg)                                         | 0.445     |
| Variation (%)                                         | -0.920    |
| Horizontal validation criteria: minimum distance (mm) | 22.627417 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 73.611111 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.693 | 0.504 | 0.371 | 0.261 | 0.202 | 0.186 | 0.092 |



### F. 3D Image



## #19

Date of measurement: 13/9/2026

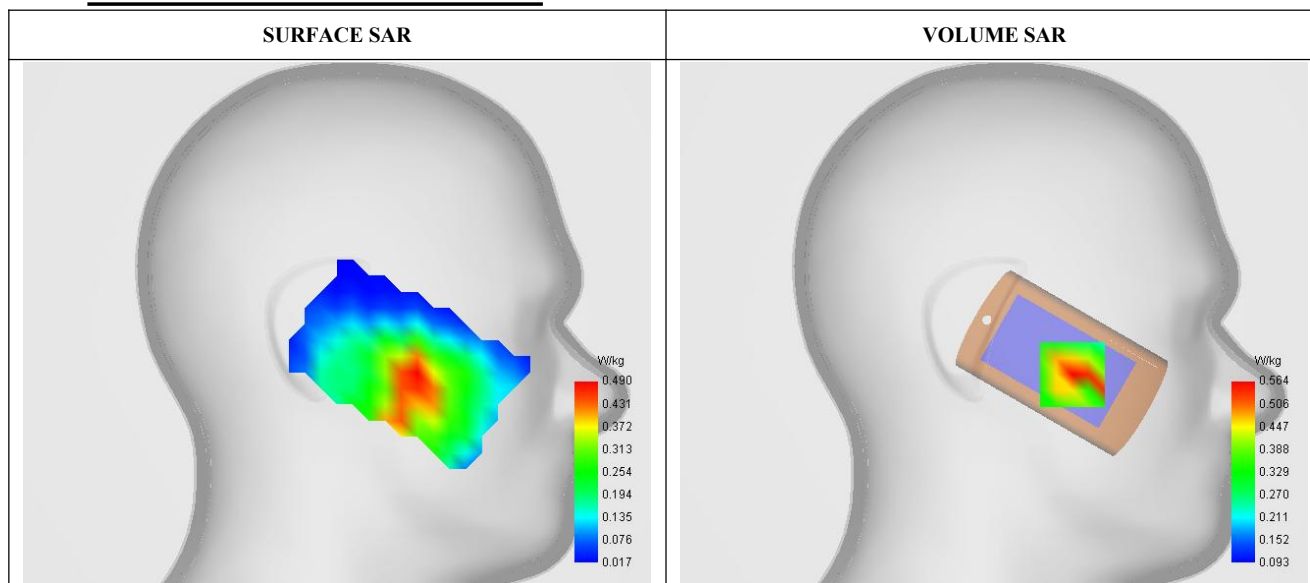
### A. Experimental conditions.

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Probe                                          | SN 37/08 EP80                         |
| ConvF                                          | 5.21                                  |
| Area Scan                                      | dx=8mm dy=8mm, Complete               |
| Zoom Scan                                      | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom                                        | Left head                             |
| Device Position                                | Cheek                                 |
| Band                                           | LTE band 4                            |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (20175)/ frequency 1732.50 Mhz |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 1732.50 |
| Relative permittivity (real part)      | 40.116  |
| Relative permittivity (imaginary part) | 14.136  |
| Conductivity (S/m)                     | 1.361   |

### C. SAR Surface and Volume



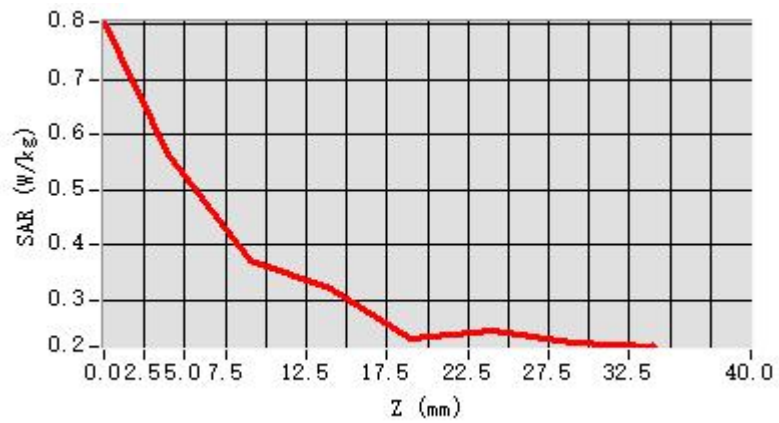
Maximum location: X=-39.00, Y=-25.00 ; SAR Peak: 0.92 W/kg

### D. SAR 1g & 10g

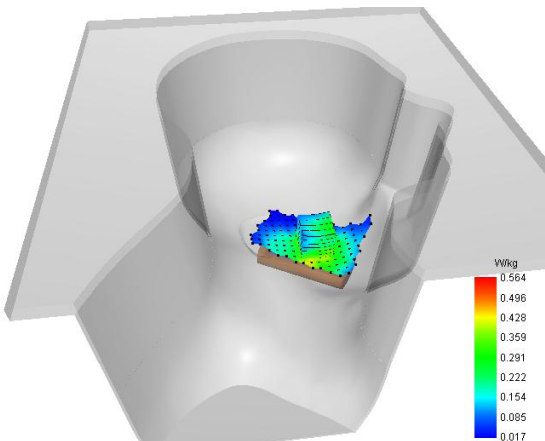
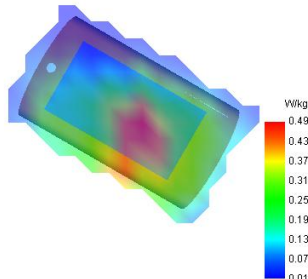
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.336     |
| SAR 1g (W/Kg)                                         | 0.536     |
| Variation (%)                                         | 0.420     |
| Horizontal validation criteria: minimum distance (mm) | 17.888544 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 65.780142 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.804 | 0.564 | 0.371 | 0.321 | 0.232 | 0.245 | 0.222 |



### F. 3D Image

| 3D screen shot                                                                     | Hot spot position                                                                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |

## #20

Date of measurement: 13/9/2026

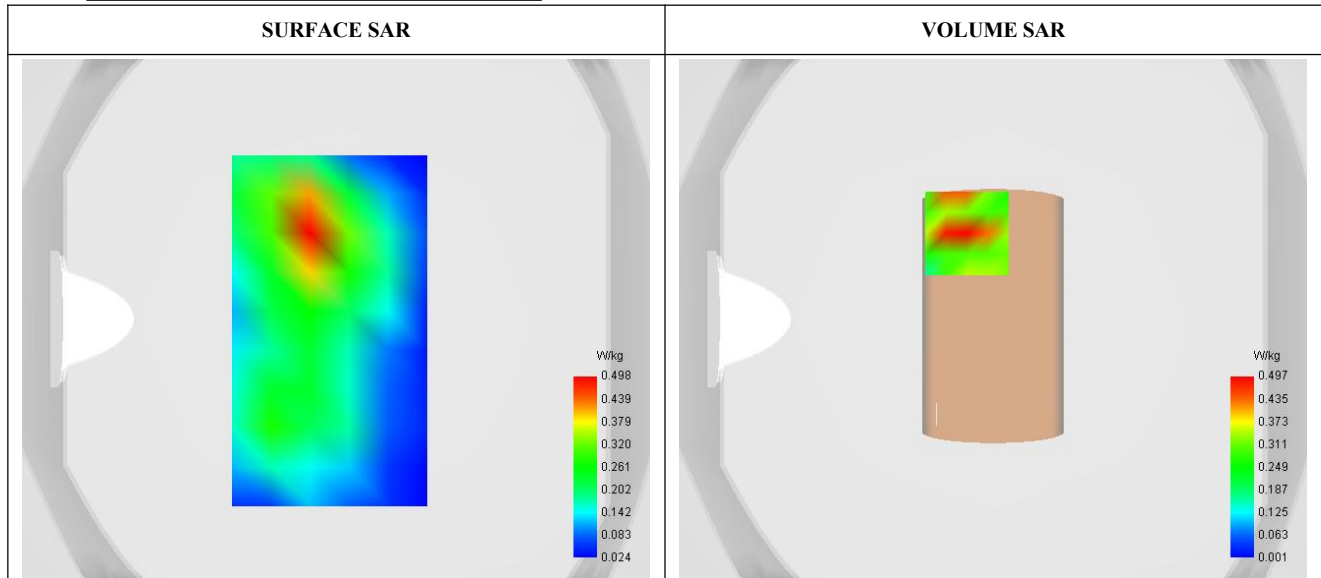
### A. Experimental conditions.

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Probe                                          | SN 37/08 EP80                         |
| ConvF                                          | 5.21                                  |
| Area Scan                                      | dx=15mm dy=15mm, Complete             |
| Zoom Scan                                      | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom                                        | Validation plane                      |
| Device Position                                | Body                                  |
| Band                                           | LTE band 4                            |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (20175)/ frequency 1732.50 Mhz |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 1732.50 |
| Relative permittivity (real part)      | 40.116  |
| Relative permittivity (imaginary part) | 14.136  |
| Conductivity (S/m)                     | 1.361   |

### C. SAR Surface and Volume



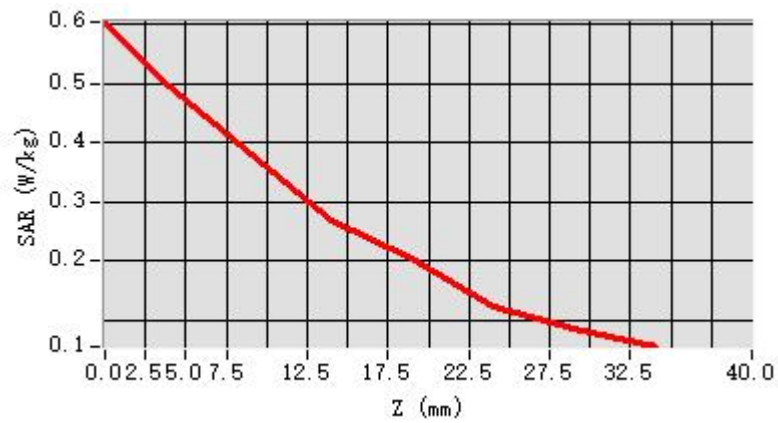
Maximum location: X=-10.00, Y=33.00 ; SAR Peak: 0.68 W/kg

### D. SAR 1g & 10g

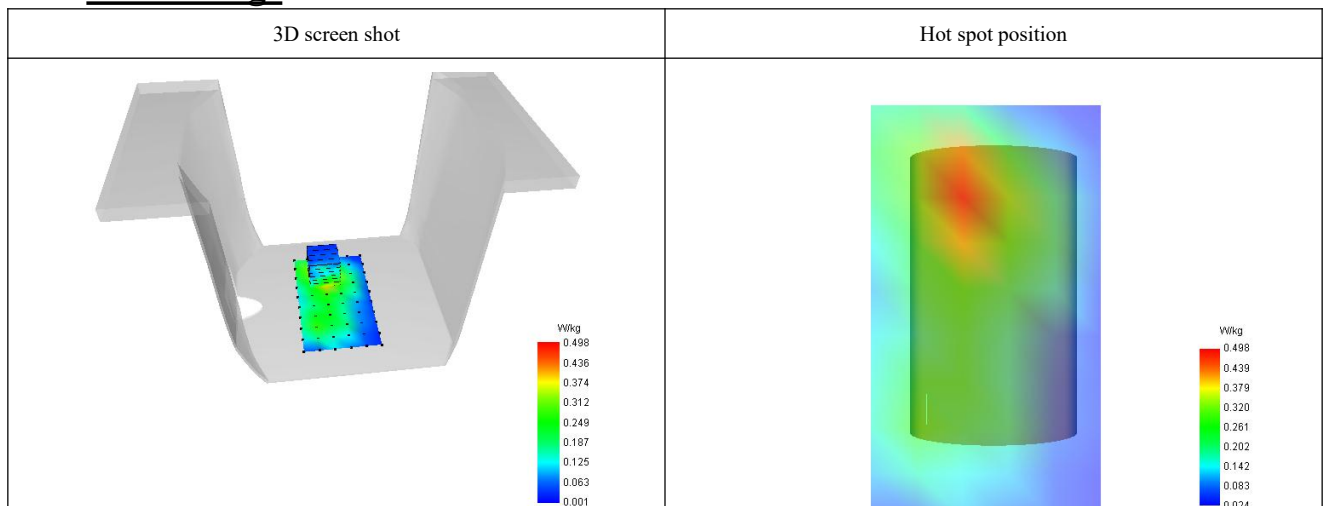
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.268     |
| SAR 1g (W/Kg)                                         | 0.427     |
| Variation (%)                                         | 0.590     |
| Horizontal validation criteria: minimum distance (mm) | 22.627417 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 76.659960 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.605 | 0.497 | 0.381 | 0.270 | 0.203 | 0.124 | 0.087 |



### F. 3D Image



## #21

Date of measurement: 12/9/2026

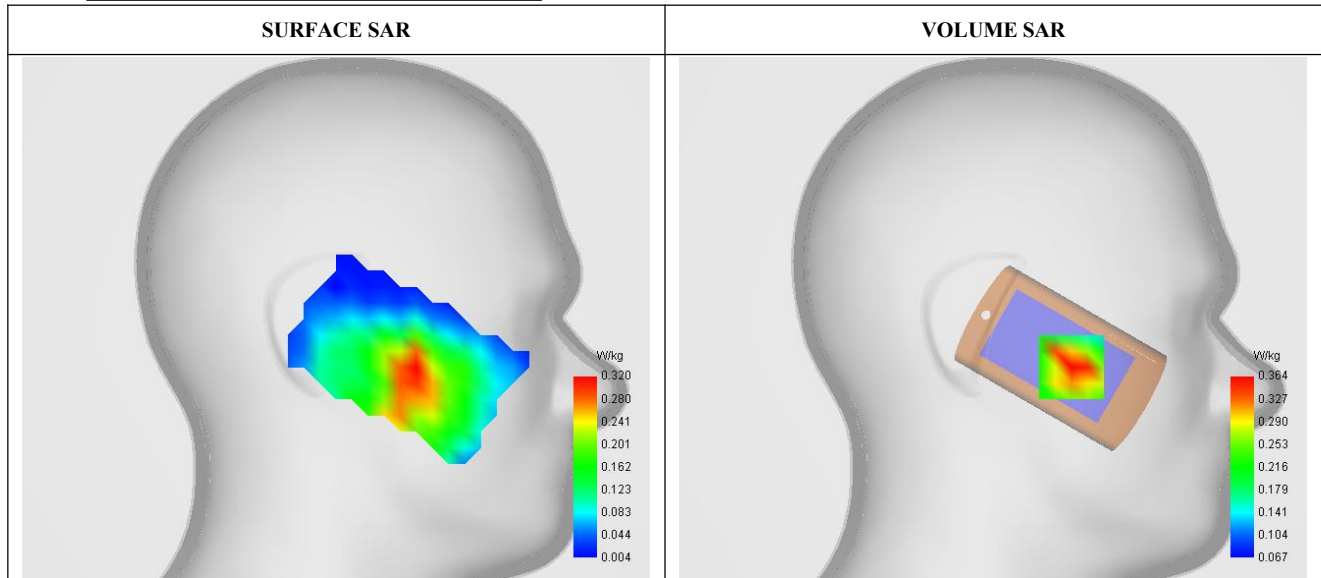
### A. Experimental conditions.

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Probe                                          | SN 37/08 EP80                         |
| ConvF                                          | 6.13                                  |
| Area Scan                                      | dx=8mm dy=8mm, Complete               |
| Zoom Scan                                      | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom                                        | Left head                             |
| Device Position                                | Cheek                                 |
| Band                                           | LTE band 5                            |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (20525)/ frequency 836.50 Mhz  |

### B. Permittivity

|                                        |        |
|----------------------------------------|--------|
| Middle TX Frequency (MHz)              | 836.50 |
| Relative permittivity (real part)      | 41.500 |
| Relative permittivity (imaginary part) | 19.400 |
| Conductivity (S/m)                     | 0.902  |

### C. SAR Surface and Volume



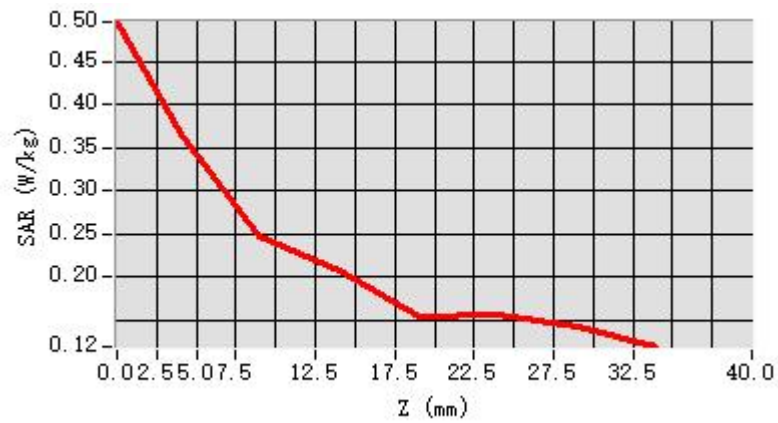
Maximum location: X=-39.00, Y=-24.00 ; SAR Peak: 0.58 W/kg

### D. SAR 1g & 10g

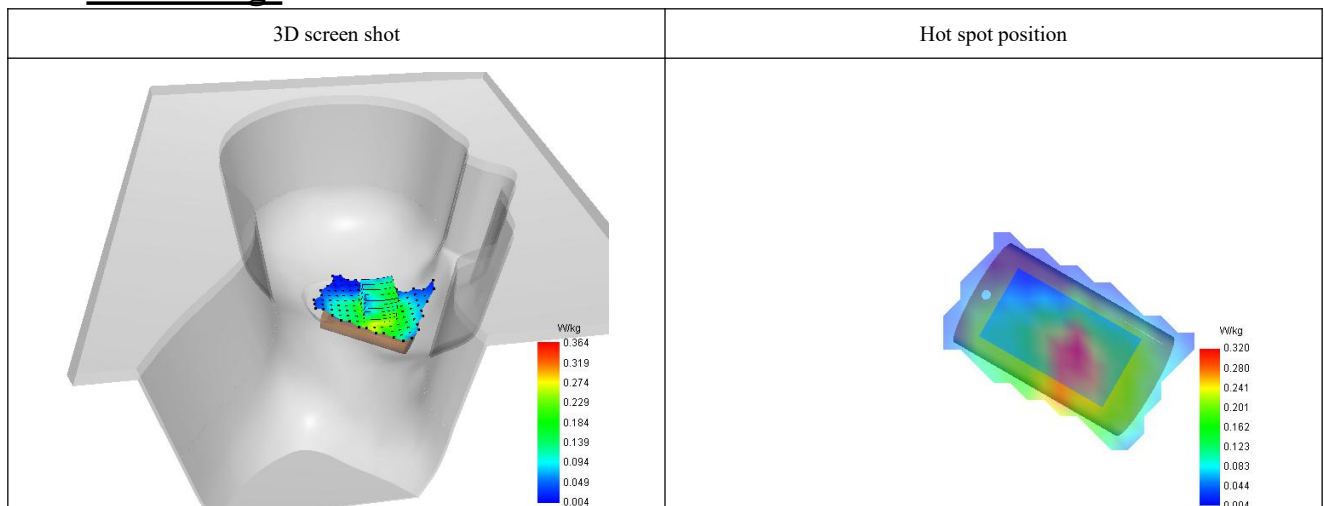
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.223     |
| SAR 1g (W/Kg)                                         | 0.351     |
| Variation (%)                                         | -0.390    |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 67.857143 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.495 | 0.364 | 0.247 | 0.208 | 0.155 | 0.156 | 0.143 |



### F. 3D Image



## #22

Date of measurement: 12/9/2026

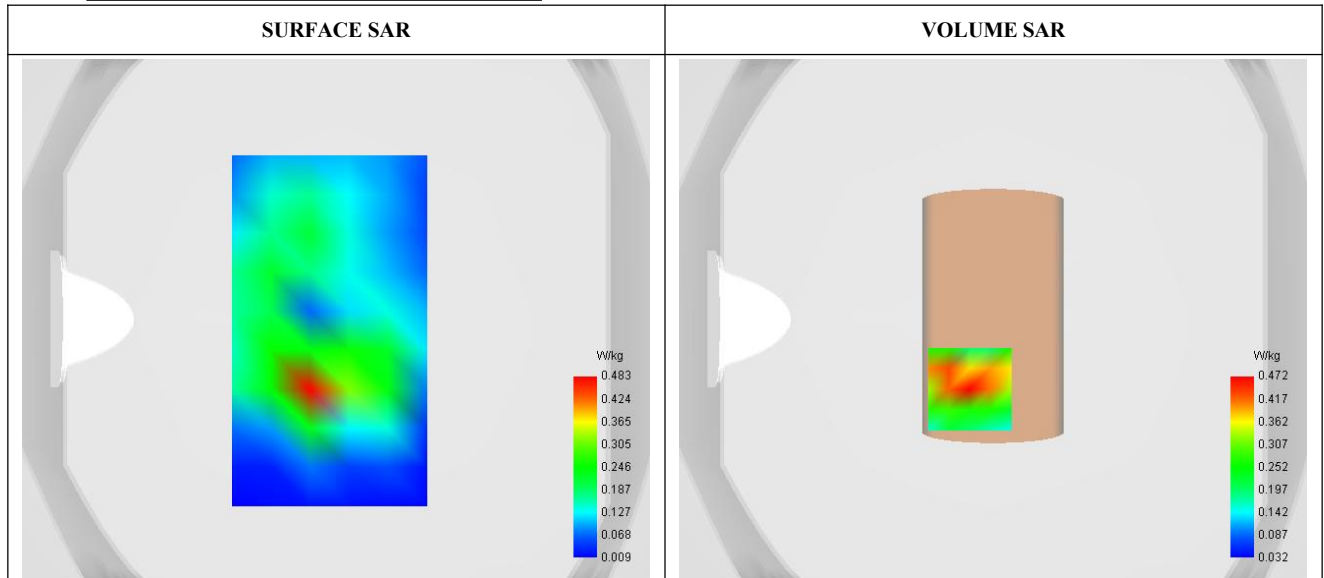
### A. Experimental conditions.

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Probe                                          | SN 37/08 EP80                         |
| ConvF                                          | 6.13                                  |
| Area Scan                                      | dx=15mm dy=15mm, Complete             |
| Zoom Scan                                      | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom                                        | Validation plane                      |
| Device Position                                | Body                                  |
| Band                                           | LTE band 5                            |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (20525)/ frequency 836.50 Mhz  |

### B. Permittivity

|                                        |        |
|----------------------------------------|--------|
| Middle TX Frequency (MHz)              | 836.50 |
| Relative permittivity (real part)      | 41.500 |
| Relative permittivity (imaginary part) | 19.400 |
| Conductivity (S/m)                     | 0.902  |

### C. SAR Surface and Volume



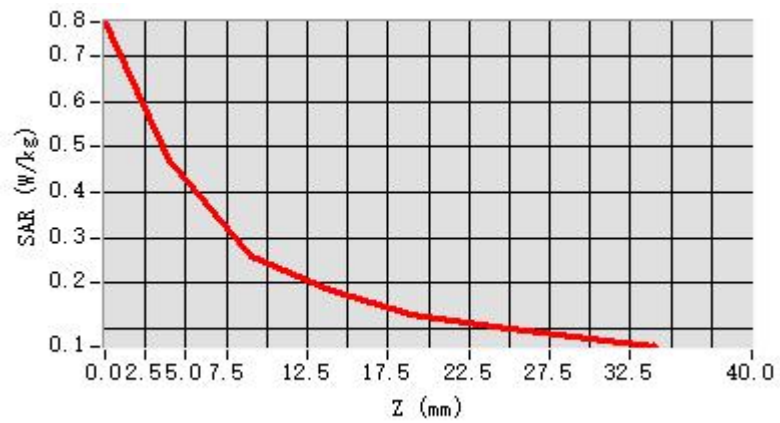
Maximum location: X=-9.00, Y=-27.00 ; SAR Peak: 0.76 W/kg

### D. SAR 1g & 10g

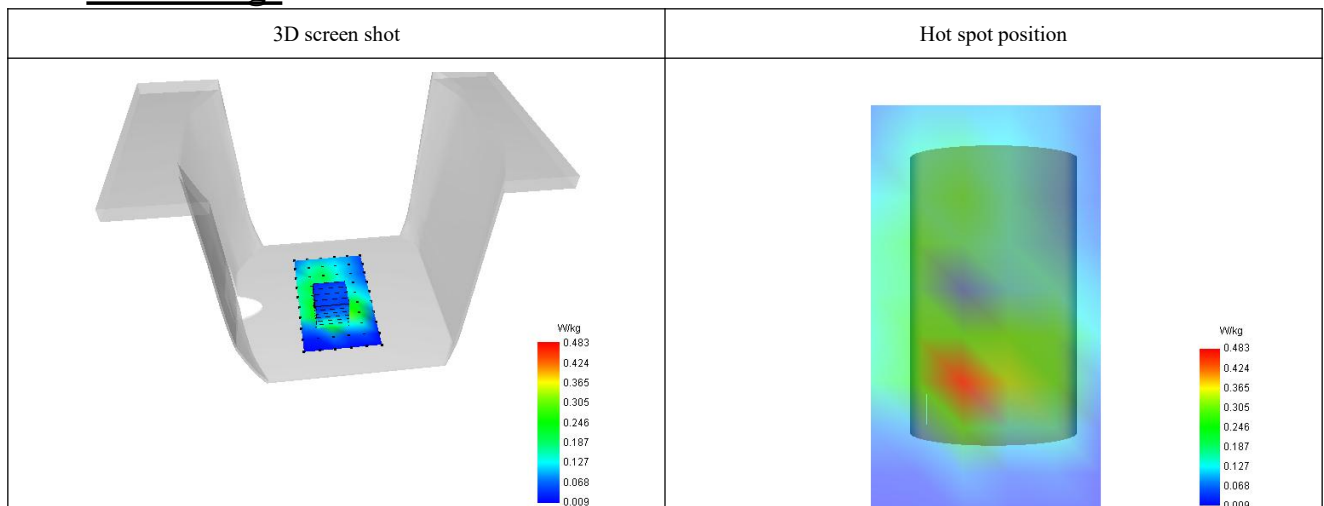
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.247     |
| SAR 1g (W/Kg)                                         | 0.446     |
| Variation (%)                                         | 2.120     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 54.872881 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.775 | 0.472 | 0.259 | 0.183 | 0.130 | 0.104 | 0.082 |



### F. 3D Image



## #23

Date of measurement: 19/9/2026

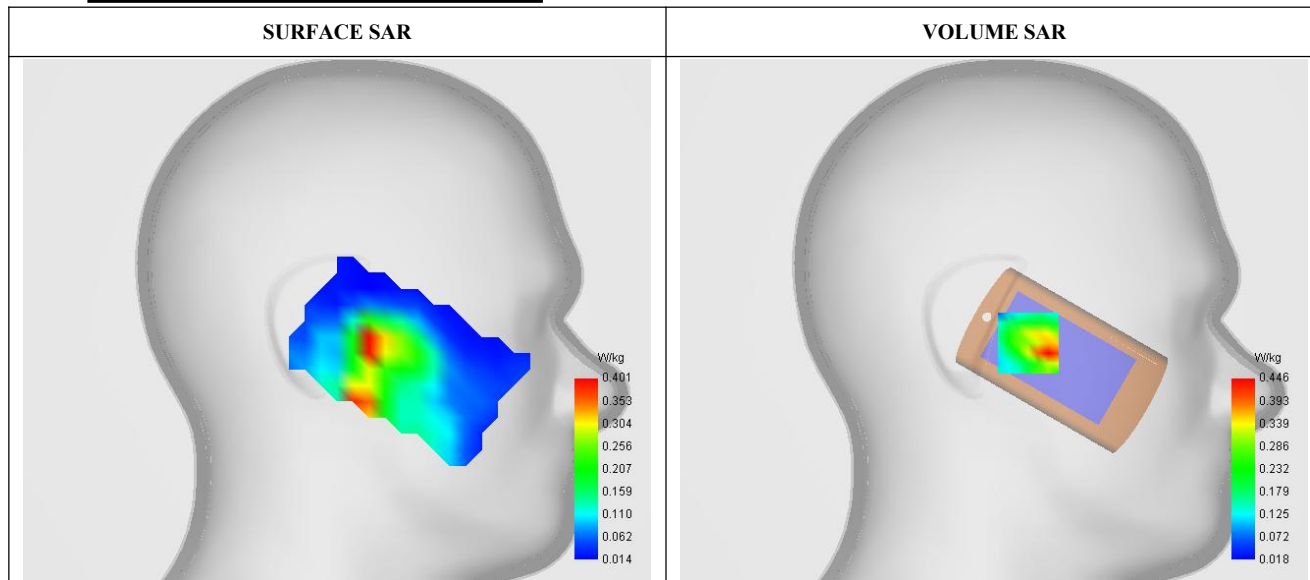
### A. Experimental conditions.

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Probe                                          | SN 37/08 EP80                         |
| ConvF                                          | 4.74                                  |
| Area Scan                                      | dx=8mm dy=8mm, Complete               |
| Zoom Scan                                      | 7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete |
| Phantom                                        | Left head                             |
| Device Position                                | Cheek                                 |
| Band                                           | LTE band 7                            |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (21100)/ frequency 2535.00 Mhz |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 2535.00 |
| Relative permittivity (real part)      | 39.087  |
| Relative permittivity (imaginary part) | 13.418  |
| Conductivity (S/m)                     | 1.890   |

### C. SAR Surface and Volume



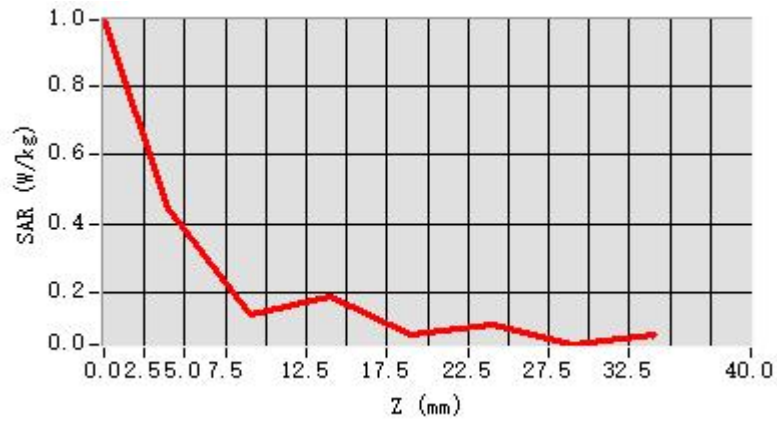
Maximum location: X=-17.00, Y=-11.00 ; SAR Peak: 0.71 W/kg

### D. SAR 1g & 10g

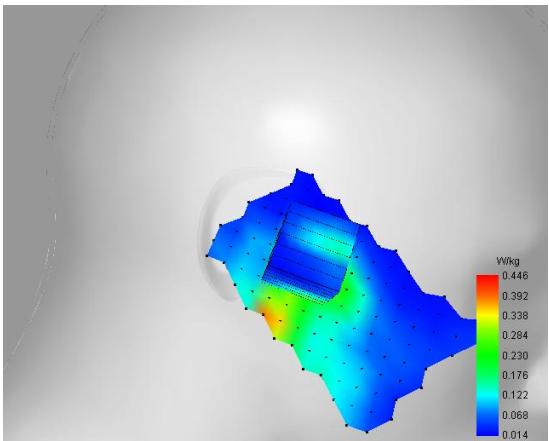
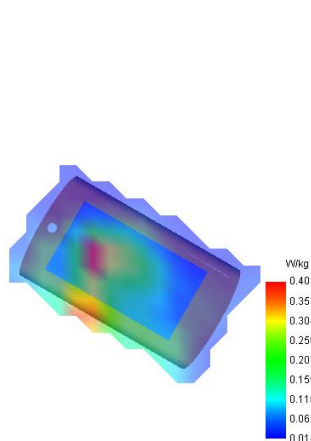
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.190     |
| SAR 1g (W/Kg)                                         | 0.374     |
| Variation (%)                                         | 0.540     |
| Horizontal validation criteria: minimum distance (mm) | 11.180340 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 30.269058 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.992 | 0.446 | 0.135 | 0.190 | 0.076 | 0.108 | 0.049 |



### F. 3D Image

| 3D screen shot                                                                     | Hot spot position                                                                    |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |

## #24

Date of measurement: 19/9/2026

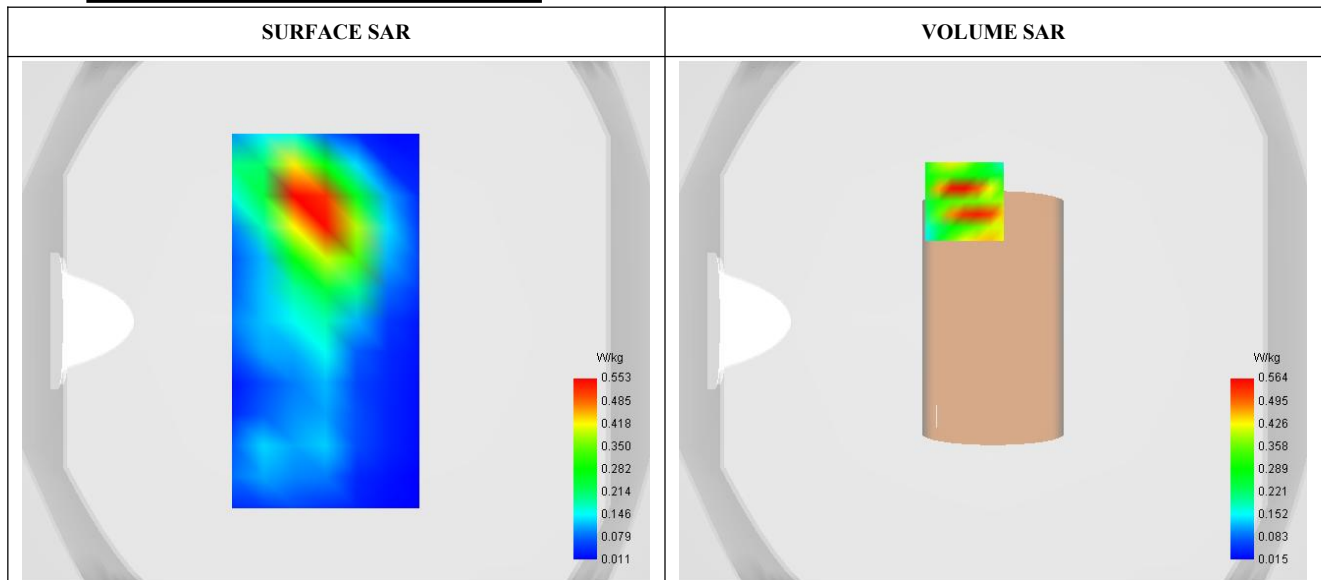
### A. Experimental conditions.

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Probe                                          | SN 37/08 EP80                         |
| ConvF                                          | 4.74                                  |
| Area Scan                                      | dx=12mm dy=12mm, Complete             |
| Zoom Scan                                      | 7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete |
| Phantom                                        | Validation plane                      |
| Device Position                                | Body                                  |
| Band                                           | LTE band 7                            |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (21100)/ frequency 2535.00 Mhz |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 2535.00 |
| Relative permittivity (real part)      | 39.087  |
| Relative permittivity (imaginary part) | 13.418  |
| Conductivity (S/m)                     | 1.890   |

### C. SAR Surface and Volume



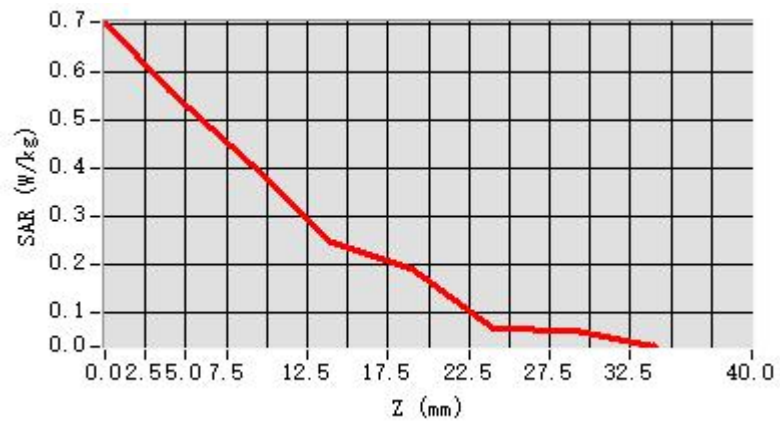
Maximum location: X=-11.00, Y=46.00 ; SAR Peak: 0.71 W/kg

### D. SAR 1g & 10g

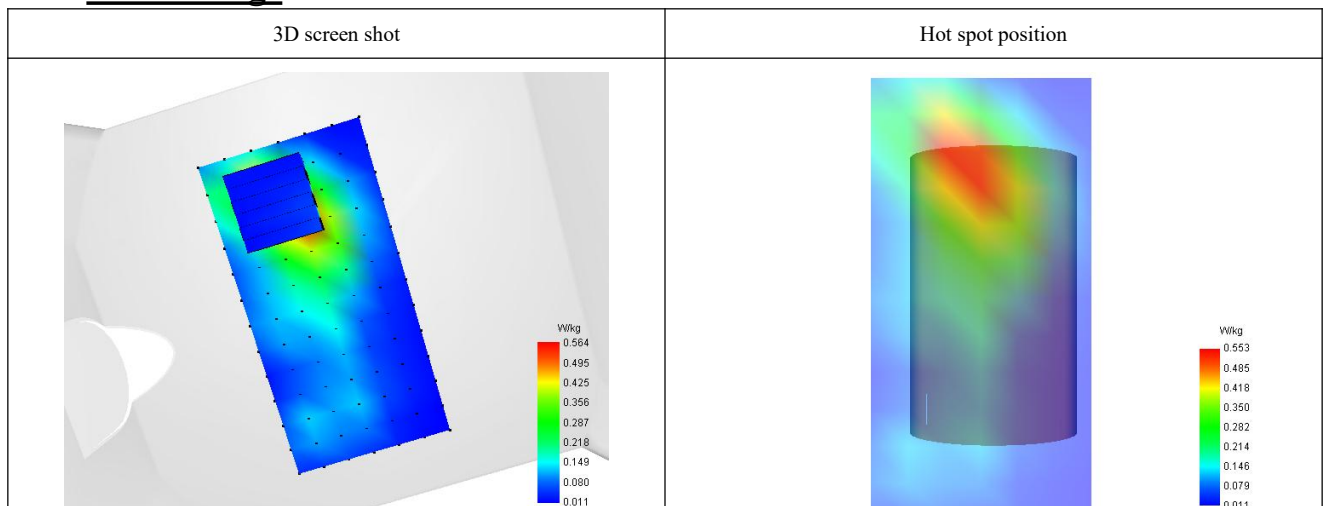
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.286     |
| SAR 1g (W/Kg)                                         | 0.426     |
| Variation (%)                                         | 1.200     |
| Horizontal validation criteria: minimum distance (mm) | 11.180340 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 72.695035 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.705 | 0.564 | 0.410 | 0.247 | 0.194 | 0.067 | 0.064 |



### F. 3D Image



## #25

Date of measurement: 11/9/2026

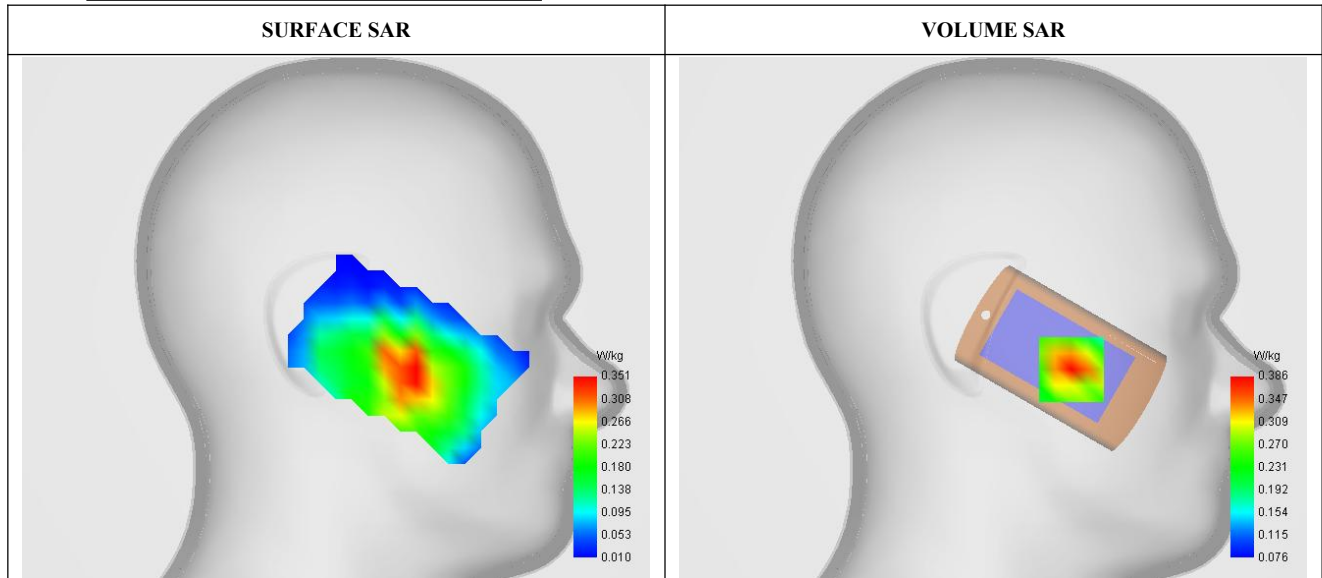
### A. Experimental conditions.

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Probe                                          | SN 37/08 EP80                         |
| ConvF                                          | 6.44                                  |
| Area Scan                                      | dx=8mm dy=8mm, Complete               |
| Zoom Scan                                      | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom                                        | Left head                             |
| Device Position                                | Cheek                                 |
| Band                                           | LTE band 12                           |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (23095)/ frequency 707.50 Mhz  |

### B. Permittivity

|                                        |        |
|----------------------------------------|--------|
| Middle TX Frequency (MHz)              | 707.50 |
| Relative permittivity (real part)      | 42.127 |
| Relative permittivity (imaginary part) | 23.264 |
| Conductivity (S/m)                     | 0.914  |

### C. SAR Surface and Volume



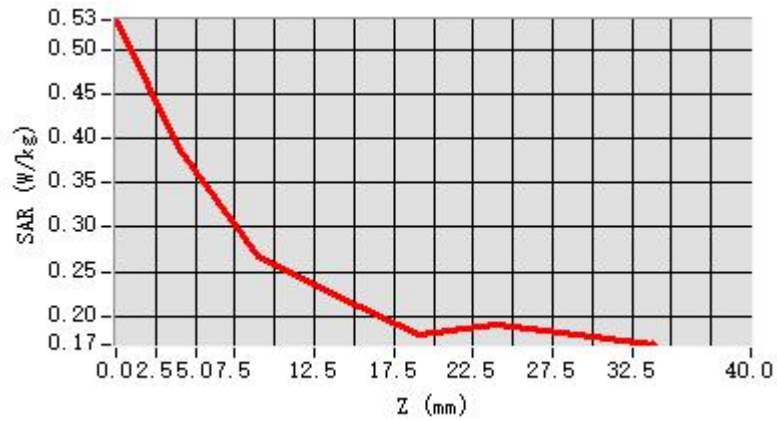
Maximum location: X=-39.00, Y=-25.00 ; SAR Peak: 0.54 W/kg

### D. SAR 1g & 10g

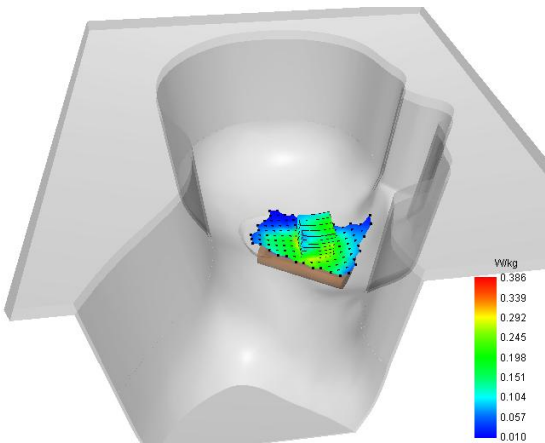
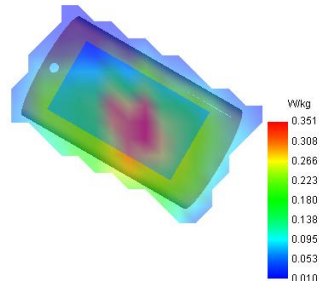
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.250     |
| SAR 1g (W/Kg)                                         | 0.367     |
| Variation (%)                                         | 3.080     |
| Horizontal validation criteria: minimum distance (mm) | 22.627417 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 69.170984 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.533 | 0.386 | 0.267 | 0.223 | 0.180 | 0.192 | 0.180 |



### F. 3D Image

| 3D screen shot                                                                     | Hot spot position                                                                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |

## #26

Date of measurement: 11/9/2026

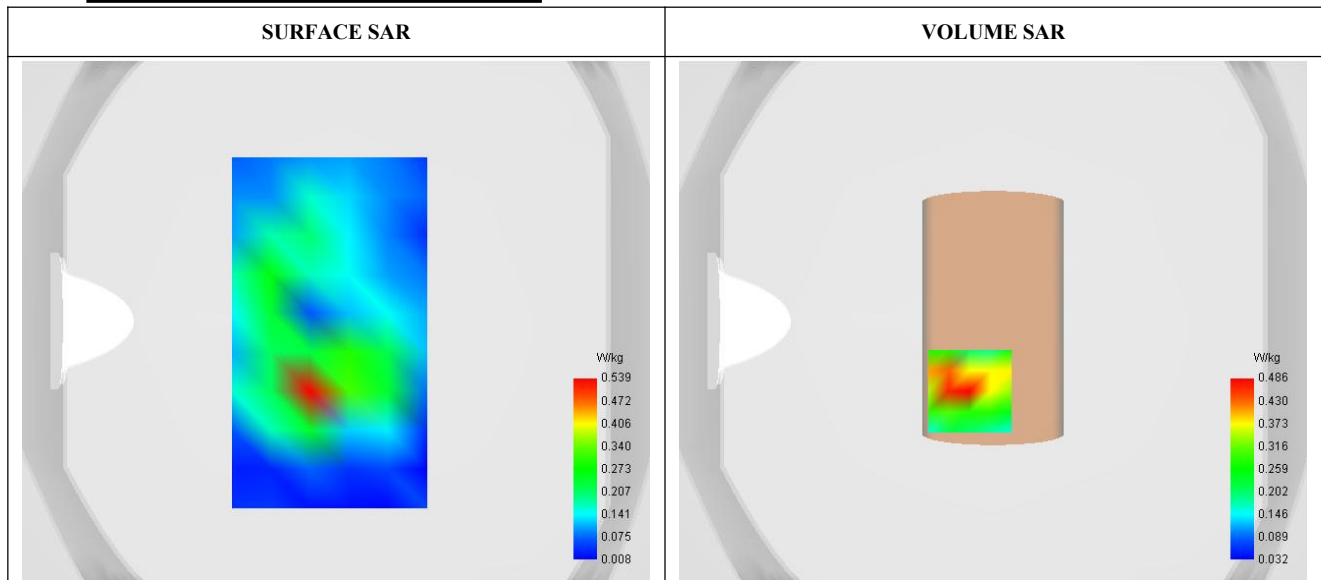
### A. Experimental conditions.

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Probe                                          | SN 37/08 EP80                         |
| ConvF                                          | 6.44                                  |
| Area Scan                                      | dx=15mm dy=15mm, Complete             |
| Zoom Scan                                      | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom                                        | Validation plane                      |
| Device Position                                | Body                                  |
| Band                                           | LTE band 12                           |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (23095)/ frequency 707.50 Mhz  |

### B. Permittivity

|                                        |        |
|----------------------------------------|--------|
| Middle TX Frequency (MHz)              | 707.50 |
| Relative permittivity (real part)      | 42.127 |
| Relative permittivity (imaginary part) | 23.264 |
| Conductivity (S/m)                     | 0.914  |

### C. SAR Surface and Volume



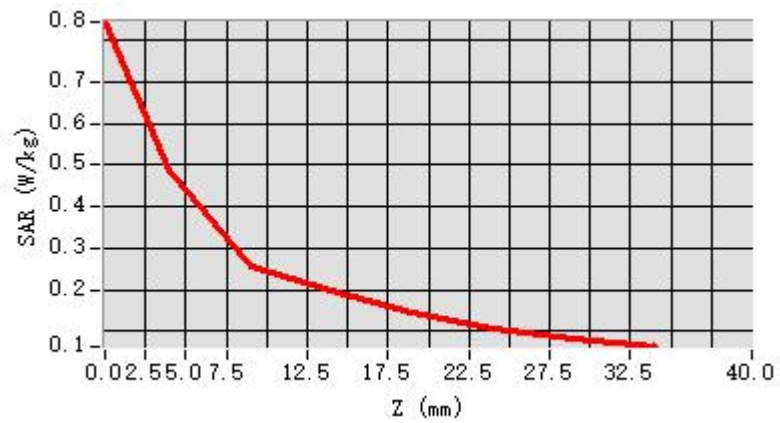
Maximum location: X=-9.00, Y=-27.00 ; SAR Peak: 0.85 W/kg

### D. SAR 1g & 10g

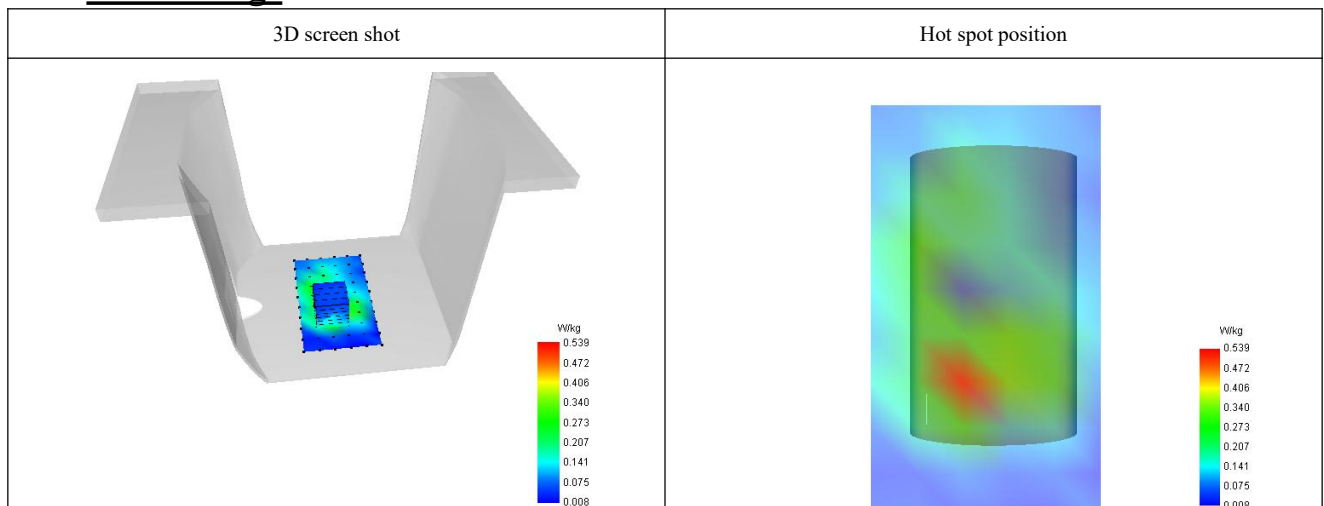
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.251     |
| SAR 1g (W/Kg)                                         | 0.484     |
| Variation (%)                                         | 0.190     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 52.263374 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.844 | 0.486 | 0.254 | 0.198 | 0.143 | 0.107 | 0.082 |



### F. 3D Image



## #27

Date of measurement: 11/9/2026

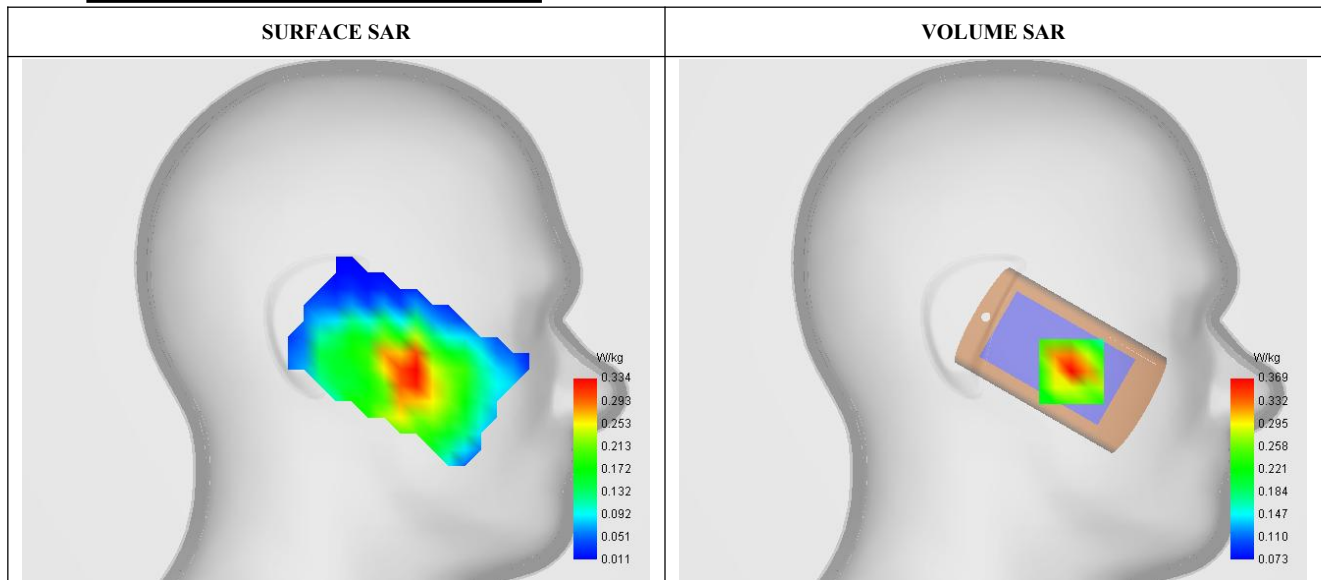
### A. Experimental conditions.

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Probe                                          | SN 37/08 EP80                         |
| ConvF                                          | 6.44                                  |
| Area Scan                                      | dx=8mm dy=8mm, Complete               |
| Zoom Scan                                      | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom                                        | Left head                             |
| Device Position                                | Cheek                                 |
| Band                                           | LTE band 17                           |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (23790)/ frequency 710.00 Mhz  |

### B. Permittivity

|                                        |        |
|----------------------------------------|--------|
| Middle TX Frequency (MHz)              | 710.00 |
| Relative permittivity (real part)      | 42.113 |
| Relative permittivity (imaginary part) | 23.152 |
| Conductivity (S/m)                     | 0.913  |

### C. SAR Surface and Volume



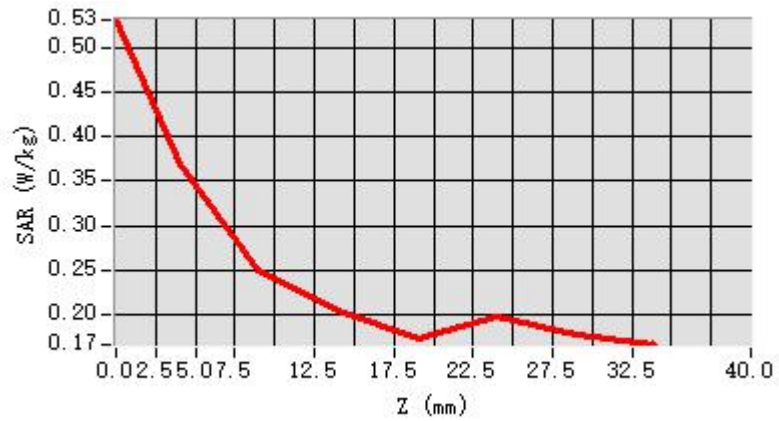
Maximum location: X=-39.00, Y=-25.00 ; SAR Peak: 0.55 W/kg

### D. SAR 1g & 10g

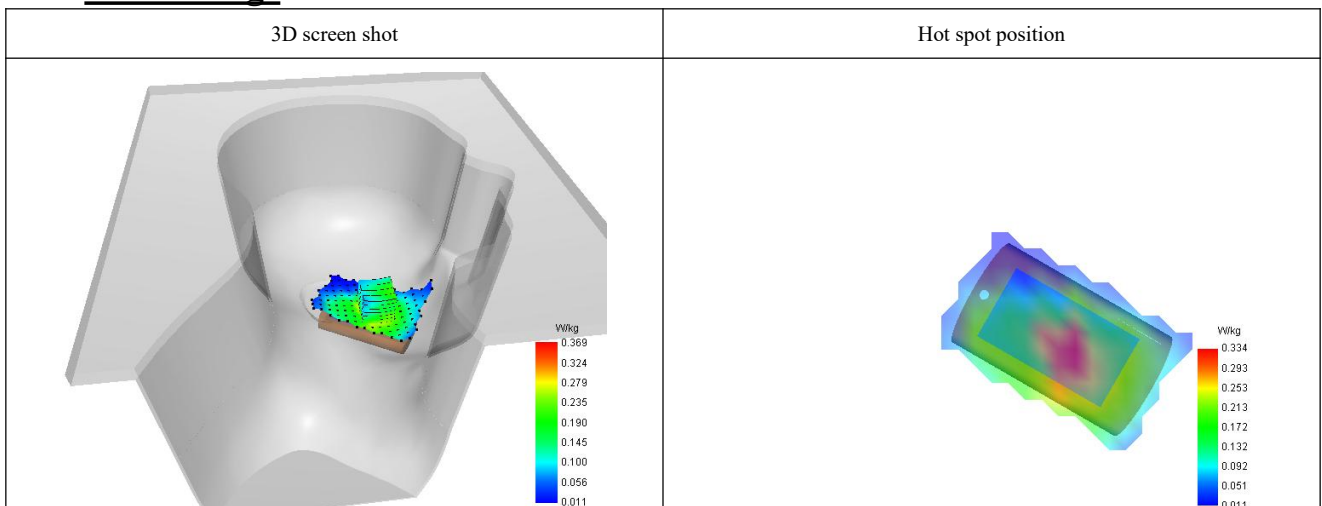
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.237     |
| SAR 1g (W/Kg)                                         | 0.355     |
| Variation (%)                                         | 1.280     |
| Horizontal validation criteria: minimum distance (mm) | 22.627417 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 67.750678 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.531 | 0.369 | 0.250 | 0.204 | 0.173 | 0.197 | 0.178 |



### F. 3D Image



## #28

Date of measurement: 11/9/2026

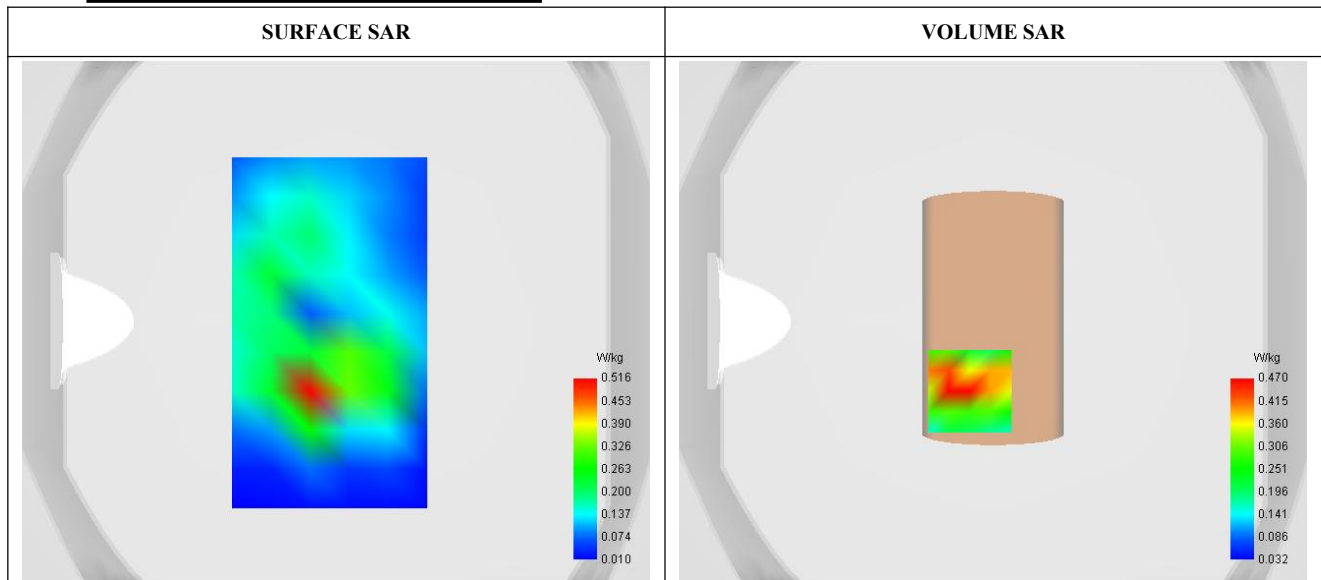
### A. Experimental conditions.

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Probe                                          | SN 37/08 EP80                         |
| ConvF                                          | 6.44                                  |
| Area Scan                                      | dx=15mm dy=15mm, Complete             |
| Zoom Scan                                      | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete |
| Phantom                                        | Validation plane                      |
| Device Position                                | Body                                  |
| Band                                           | LTE band 17                           |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (23790)/ frequency 710.00 Mhz  |

### B. Permittivity

|                                        |        |
|----------------------------------------|--------|
| Middle TX Frequency (MHz)              | 710.00 |
| Relative permittivity (real part)      | 42.113 |
| Relative permittivity (imaginary part) | 23.152 |
| Conductivity (S/m)                     | 0.913  |

### C. SAR Surface and Volume



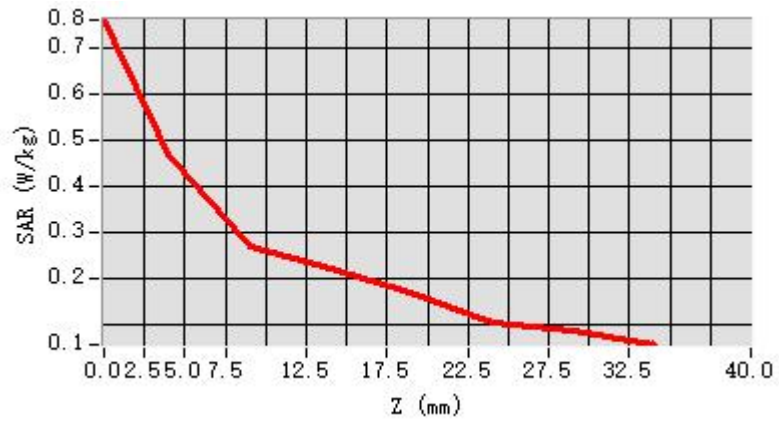
Maximum location: X=-9.00, Y=-27.00 ; SAR Peak: 0.80 W/kg

### D. SAR 1g & 10g

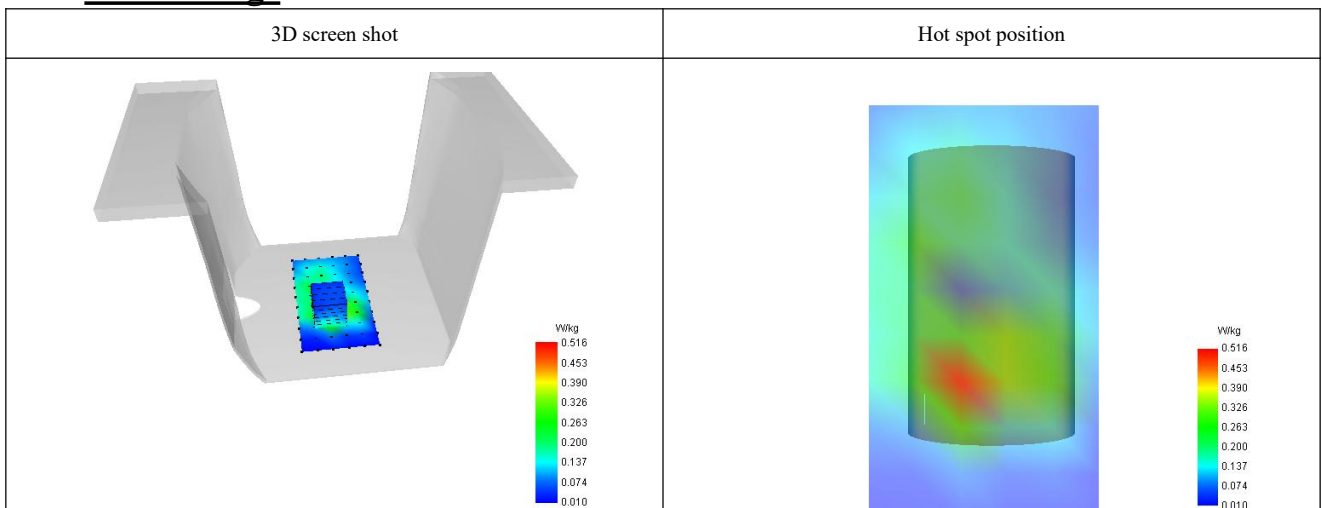
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.246     |
| SAR 1g (W/Kg)                                         | 0.470     |
| Variation (%)                                         | 1.190     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 57.872340 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.762 | 0.470 | 0.272 | 0.223 | 0.170 | 0.105 | 0.089 |



### F. 3D Image



## #29

Date of measurement: 19/9/2026

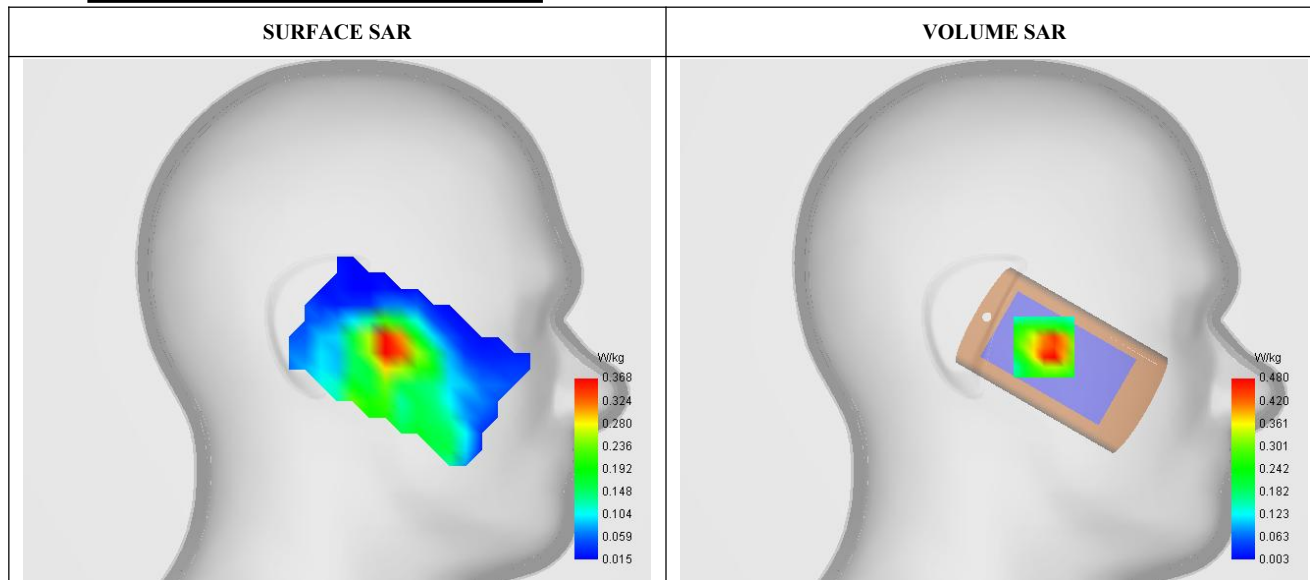
### A. Experimental conditions.

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Probe                                          | SN 37/08 EP80                         |
| ConvF                                          | 4.74                                  |
| Area Scan                                      | dx=8mm dy=8mm, Complete               |
| Zoom Scan                                      | 7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete |
| Phantom                                        | Left head                             |
| Device Position                                | Cheek                                 |
| Band                                           | LTE band 41                           |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (40740)/ frequency 2605.00 Mhz |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 2605.00 |
| Relative permittivity (real part)      | 39.007  |
| Relative permittivity (imaginary part) | 13.558  |
| Conductivity (S/m)                     | 1.962   |

### C. SAR Surface and Volume



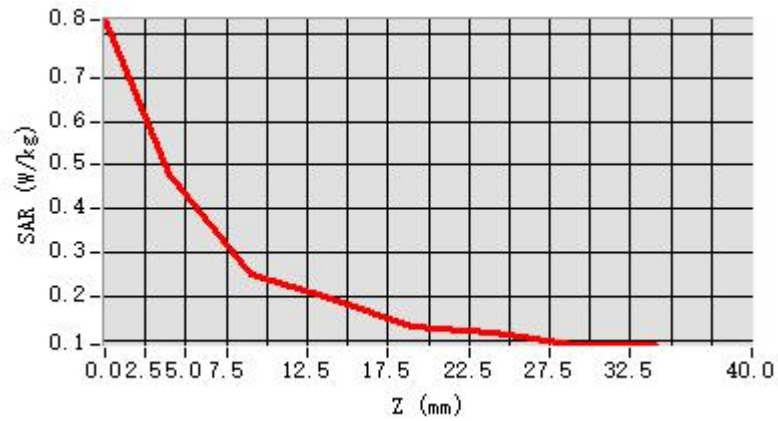
Maximum location: X=-25.00, Y=-13.00 ; SAR Peak: 0.85 W/kg

### D. SAR 1g & 10g

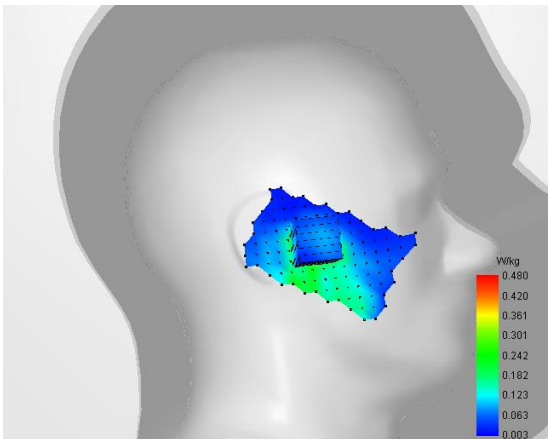
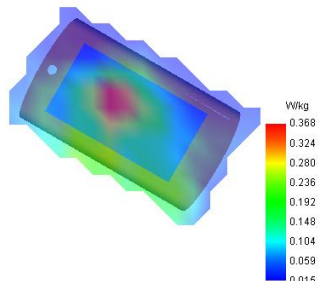
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.253     |
| SAR 1g (W/Kg)                                         | 0.435     |
| Variation (%)                                         | 3.790     |
| Horizontal validation criteria: minimum distance (mm) | 14.142136 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 52.083333 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.831 | 0.480 | 0.250 | 0.194 | 0.133 | 0.119 | 0.092 |



### F. 3D Image

| 3D screen shot                                                                     | Hot spot position                                                                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |

### #30

Date of measurement: 19/9/2026

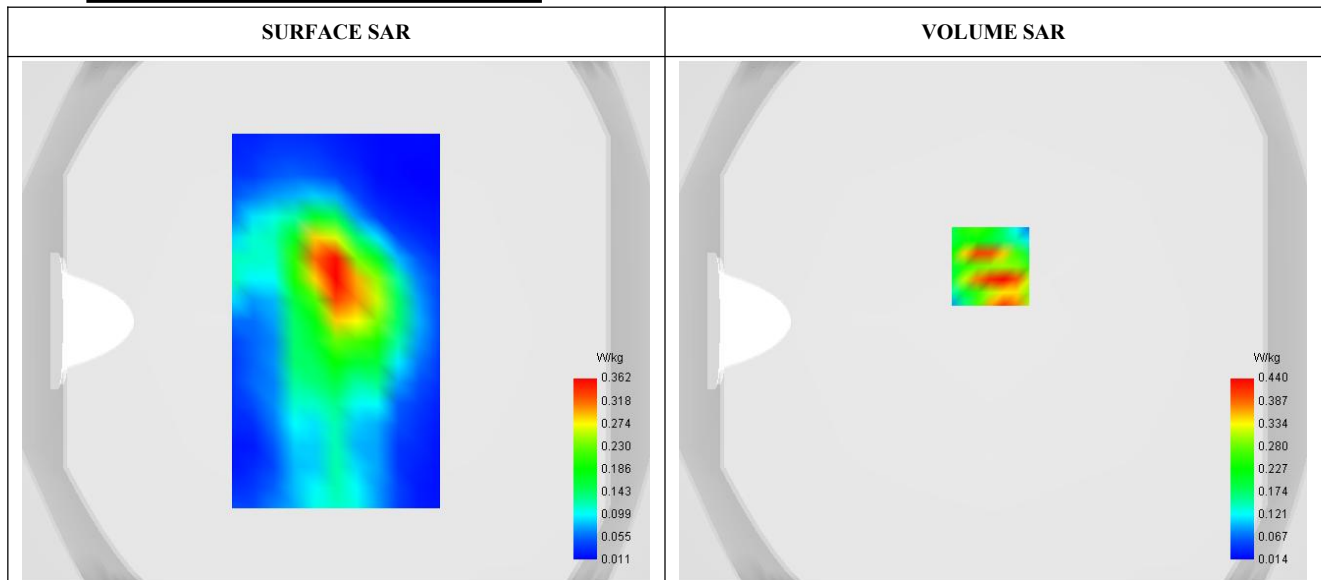
#### A. Experimental conditions.

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Probe                                          | SN 37/08 EP80                         |
| ConvF                                          | 4.74                                  |
| Area Scan                                      | dx=8mm dy=8mm, Complete               |
| Zoom Scan                                      | 7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete |
| Phantom                                        | Validation plane                      |
| Device Position                                | Body                                  |
| Band                                           | LTE band 41                           |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (40740)/ frequency 2605.00 Mhz |

#### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 2605.00 |
| Relative permittivity (real part)      | 39.007  |
| Relative permittivity (imaginary part) | 13.558  |
| Conductivity (S/m)                     | 1.962   |

#### C. SAR Surface and Volume



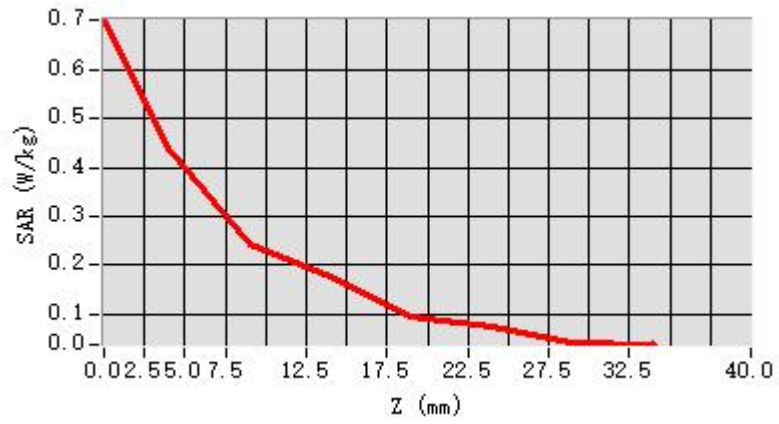
Maximum location: X=-1.00, Y=21.00 ; SAR Peak: 0.64 W/kg

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

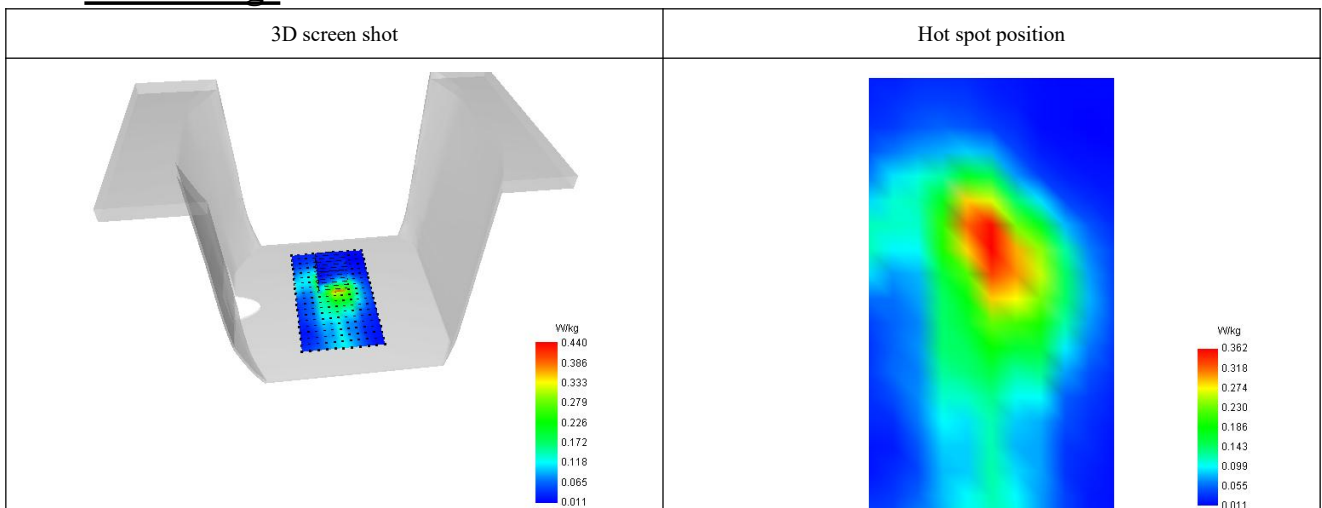
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.207     |
| SAR 1g (W/Kg)                                         | 0.358     |
| Variation (%)                                         | 2.070     |
| Horizontal validation criteria: minimum distance (mm) | 14.142136 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 55.227273 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.702 | 0.440 | 0.243 | 0.176 | 0.093 | 0.073 | 0.040 |



### F. 3D Image



### #31

Date of measurement: 13/9/2026

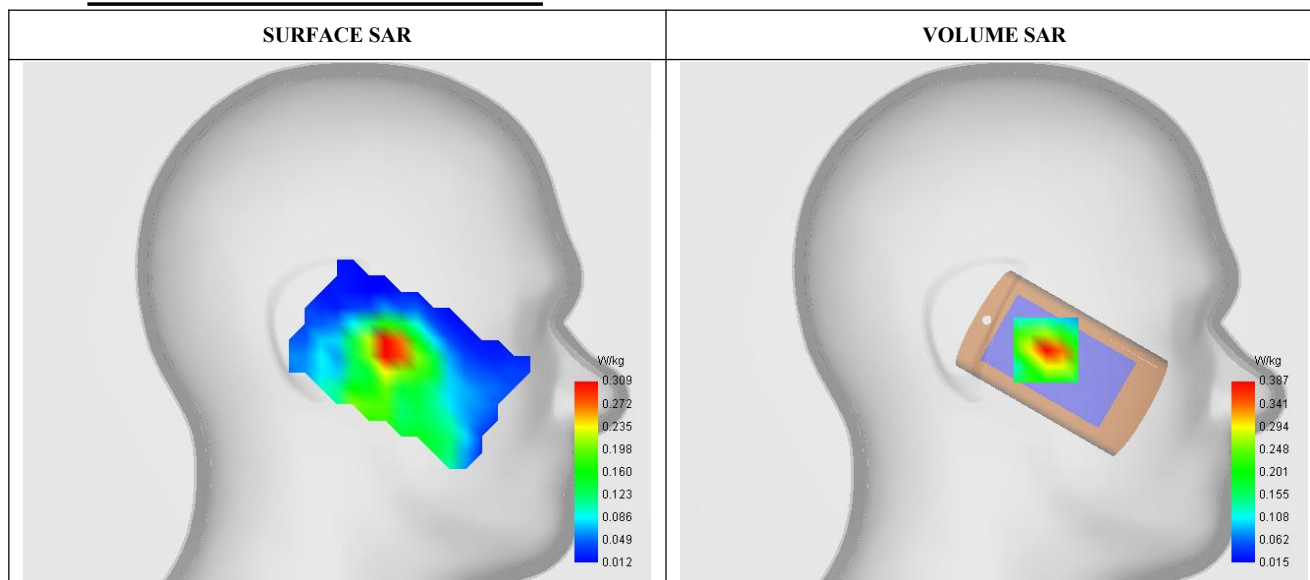
#### A. Experimental conditions.

|                                                |                                        |
|------------------------------------------------|----------------------------------------|
| Probe                                          | SN 37/08 EP80                          |
| ConvF                                          | 5.21                                   |
| Area Scan                                      | dx=8mm dy=8mm, Complete                |
| Zoom Scan                                      | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete  |
| Phantom                                        | Left head                              |
| Device Position                                | Cheek                                  |
| Band                                           | LTE band 66                            |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (132322)/ frequency 1745.00 Mhz |

#### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 1745.00 |
| Relative permittivity (real part)      | 40.105  |
| Relative permittivity (imaginary part) | 14.103  |
| Conductivity (S/m)                     | 1.367   |

#### C. SAR Surface and Volume



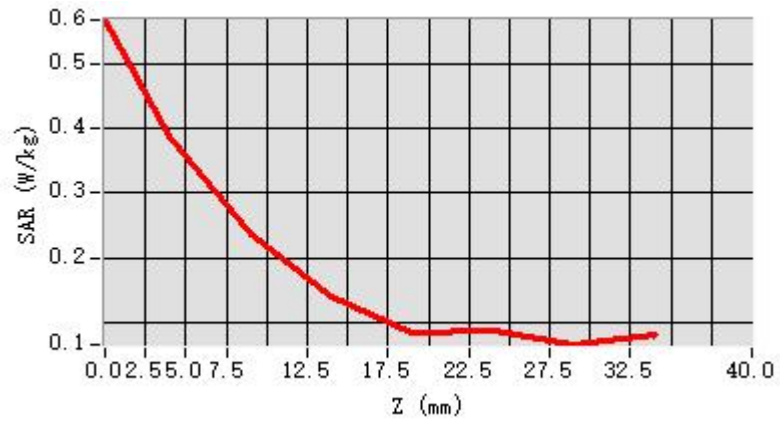
Maximum location: X=-26.00, Y=-13.00 ; SAR Peak: 0.57 W/kg

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

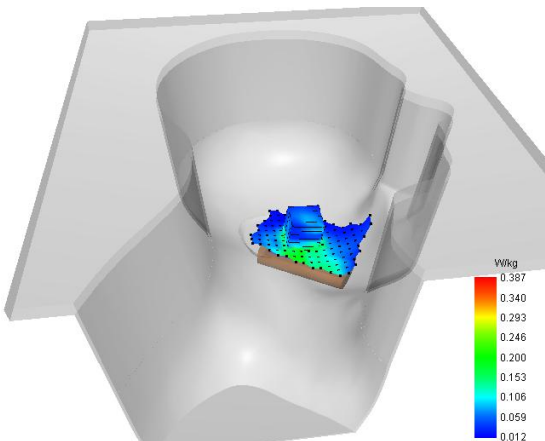
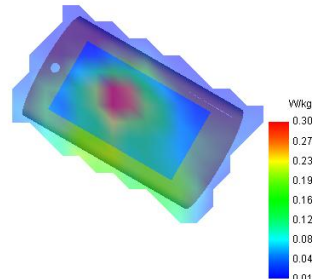
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.183     |
| SAR 1g (W/Kg)                                         | 0.342     |
| Variation (%)                                         | 2.660     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 61.240310 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.568 | 0.387 | 0.237 | 0.138 | 0.084 | 0.086 | 0.065 |



### F. 3D Image

| 3D screen shot                                                                                                                                                                                                                                                                      | Hot spot position                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>A 3D model of a device with a color-coded SAR distribution. The color scale ranges from 0.012 (blue) to 0.387 (red). The highest SAR values are concentrated in the center of the device.</p> |  <p>A 3D model of the device showing the hot spot position. The color scale ranges from 0.012 (blue) to 0.309 (red). The hot spot is located in the center of the device.</p> |

## #32

Date of measurement: 13/9/2026

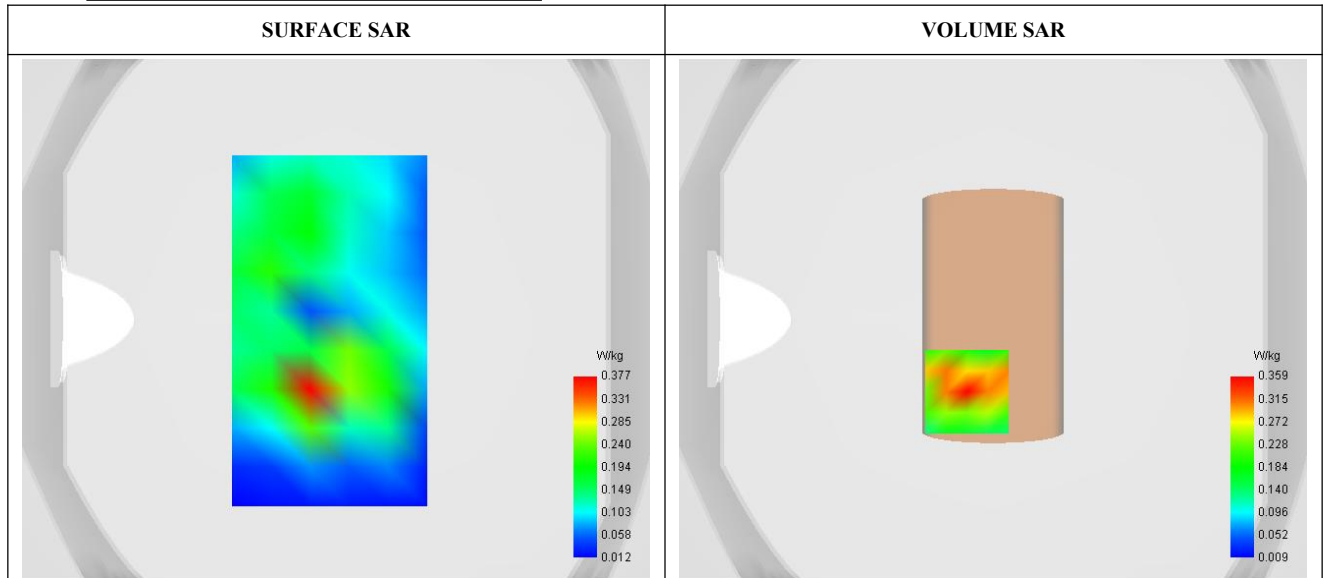
### A. Experimental conditions.

|                                                |                                        |
|------------------------------------------------|----------------------------------------|
| Probe                                          | SN 37/08 EP80                          |
| ConvF                                          | 5.21                                   |
| Area Scan                                      | dx=15mm dy=15mm, Complete              |
| Zoom Scan                                      | 5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete  |
| Phantom                                        | Validation plane                       |
| Device Position                                | Body                                   |
| Band                                           | LTE band 66                            |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (132322)/ frequency 1745.00 Mhz |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 1745.00 |
| Relative permittivity (real part)      | 40.105  |
| Relative permittivity (imaginary part) | 14.103  |
| Conductivity (S/m)                     | 1.367   |

### C. SAR Surface and Volume



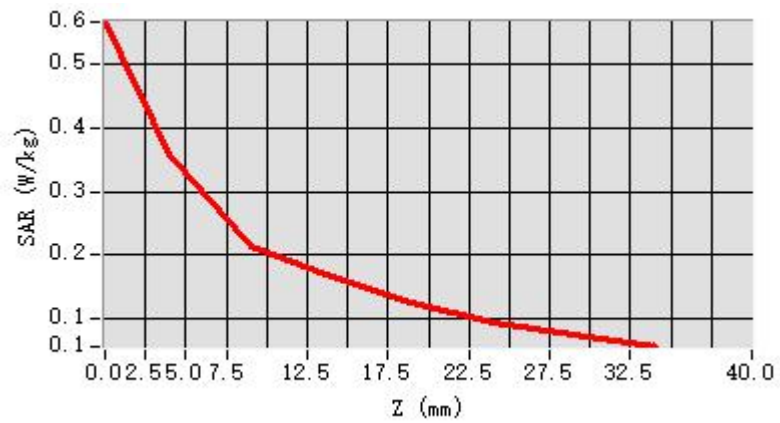
Maximum location: X=-10.00, Y=-28.00 ; SAR Peak: 0.56 W/kg

### D. SAR 1g & 10g

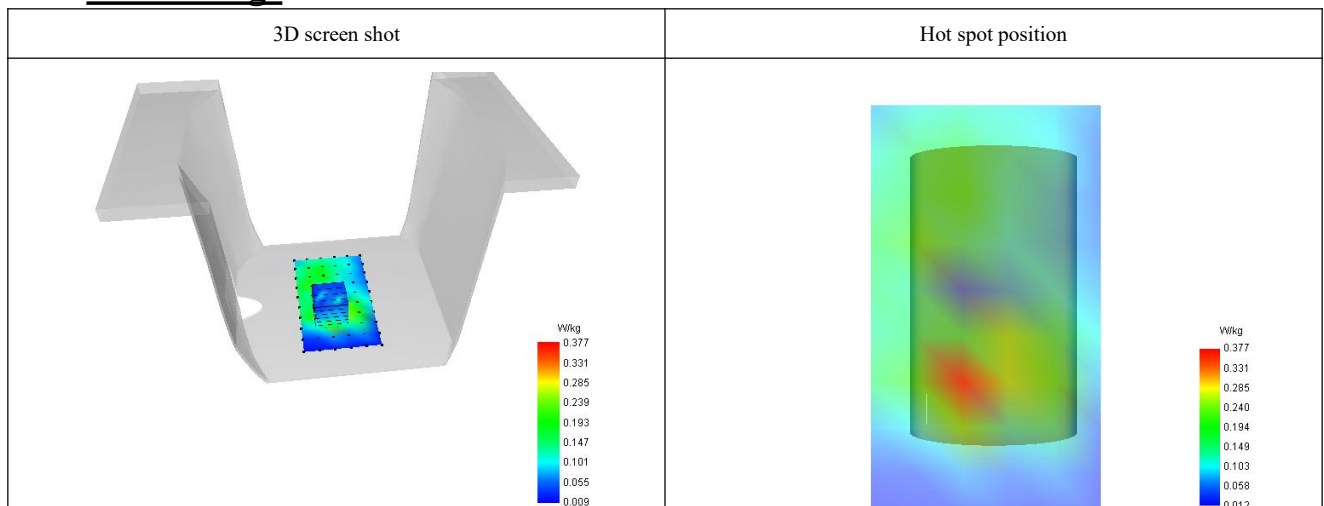
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.195     |
| SAR 1g (W/Kg)                                         | 0.336     |
| Variation (%)                                         | 1.750     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 59.610028 |

### E. Z Axis Scan

|            |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
| SAR (W/Kg) | 0.568 | 0.359 | 0.214 | 0.165 | 0.124 | 0.095 | 0.075 |



### F. 3D Image



## Appendix D. Calibration Certificate

| Table of contents                       |
|-----------------------------------------|
| E Field Probe - SN 37/08 EP80           |
| E Field Probe - SN 27/13 EPG193         |
| 750 MHz Dipole - SN 30/13 DIP0G750-259  |
| 900 MHz Dipole - SN 36/08 DIPD100       |
| 1800 MHz Dipole - SN 36/08 DIPF101      |
| 1900 MHz Dipole - SN 30/13 DIP1G900-261 |
| 2450 MHz Dipole - SN 30/13 DIP2G450-263 |
| 2600 MHz Dipole - SN 30/13 DIP2G600-265 |
| 5000-6000 MHz Dipole - SN 41/12 WGA21   |

※※END OF THE REPORT※※