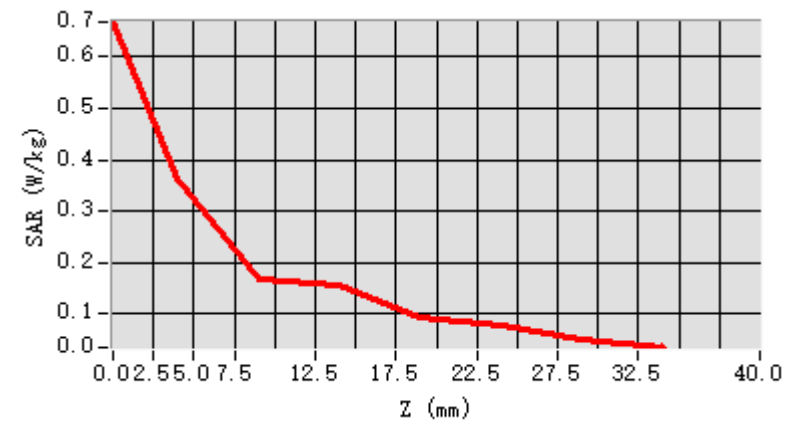
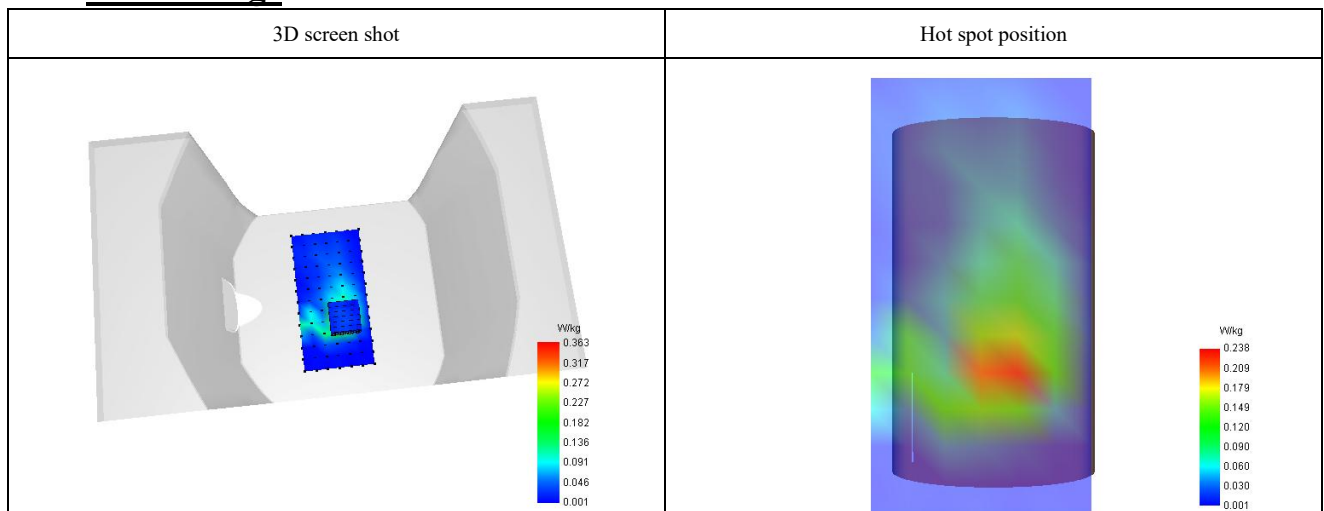


### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.668 | 0.363 | 0.167 | 0.156 | 0.091 | 0.078 | 0.048 |



### F. 3D Image



## #27

Date of measurement: 26/5/2026

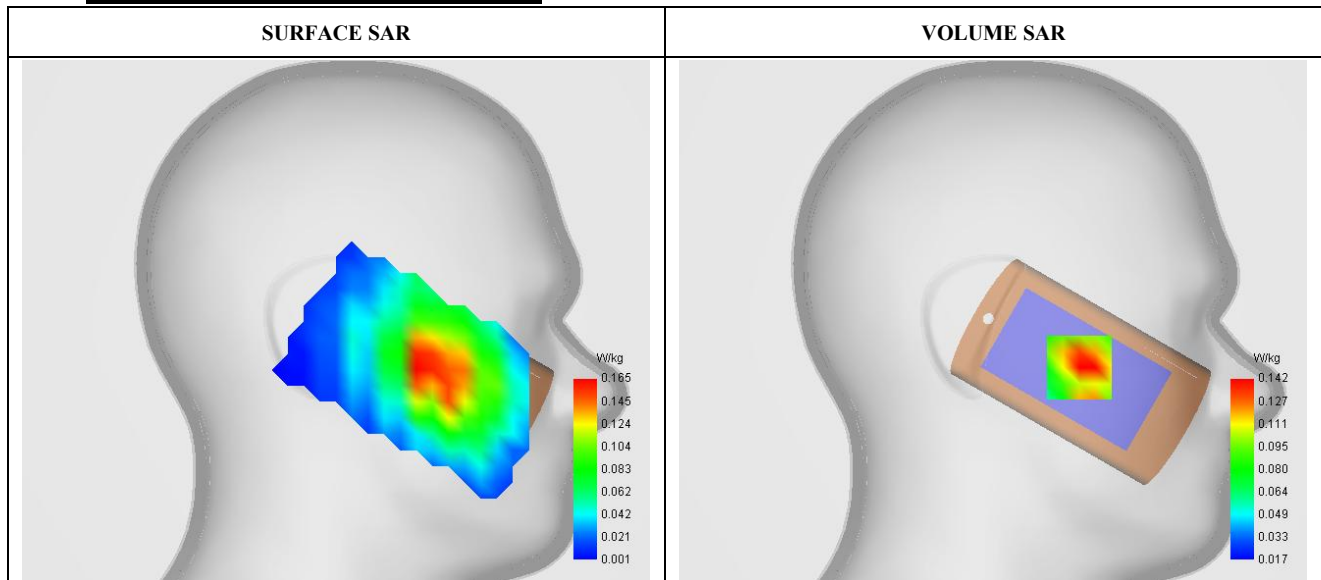
### A. Experimental conditions.

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Probe                                          | 0523-EPGO-403                         |
| ConvF                                          | 2.01                                  |
| 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                                           | SA n5                                 |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (167300)/ 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



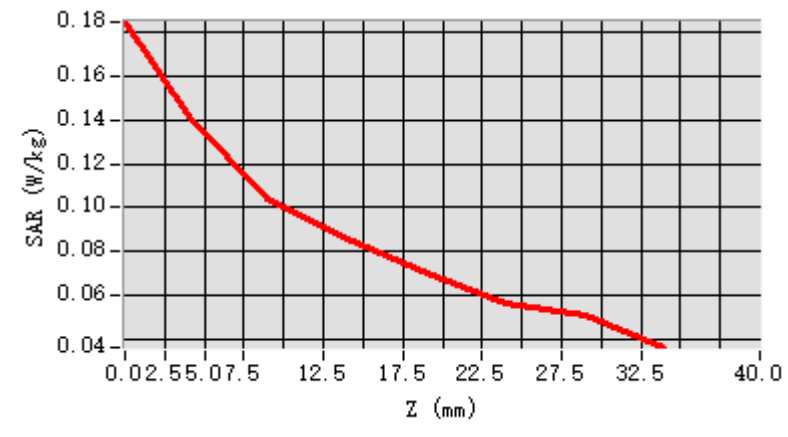
Maximum location: X=-43.00, Y=-23.00 ; SAR Peak: 0.21 W/kg

### D. SAR 1g & 10g

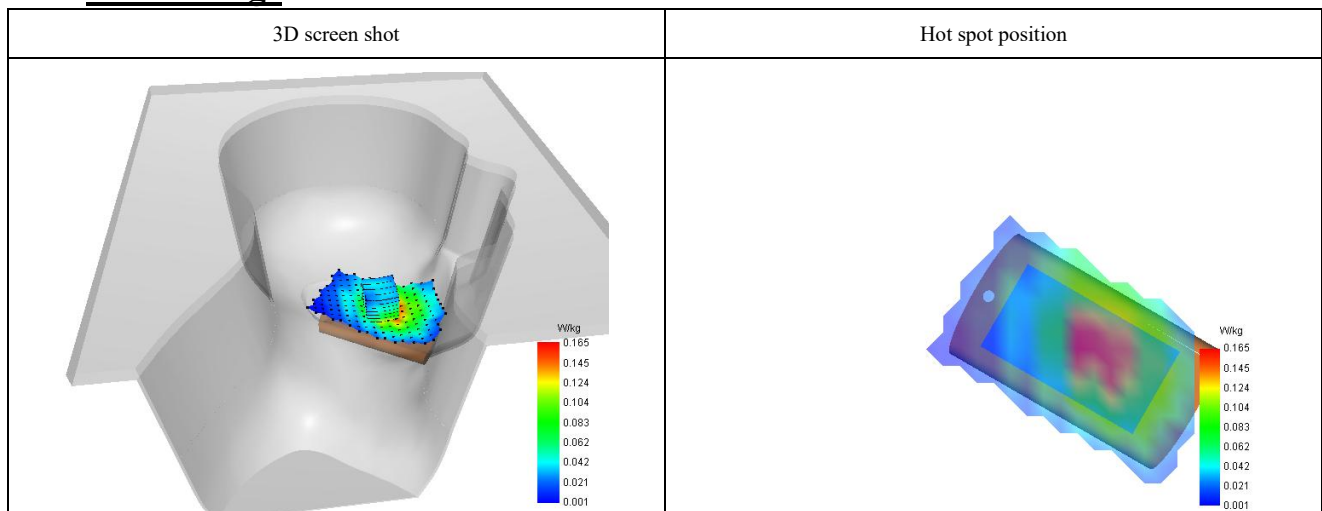
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.097     |
| SAR 1g (W/Kg)                                         | 0.143     |
| Variation (%)                                         | 2.010     |
| Horizontal validation criteria: minimum distance (mm) | 17.888544 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 73.239437 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.185 | 0.142 | 0.104 | 0.086 | 0.070 | 0.056 | 0.051 |



### F. 3D Image



## #28

Date of measurement: 26/5/2026

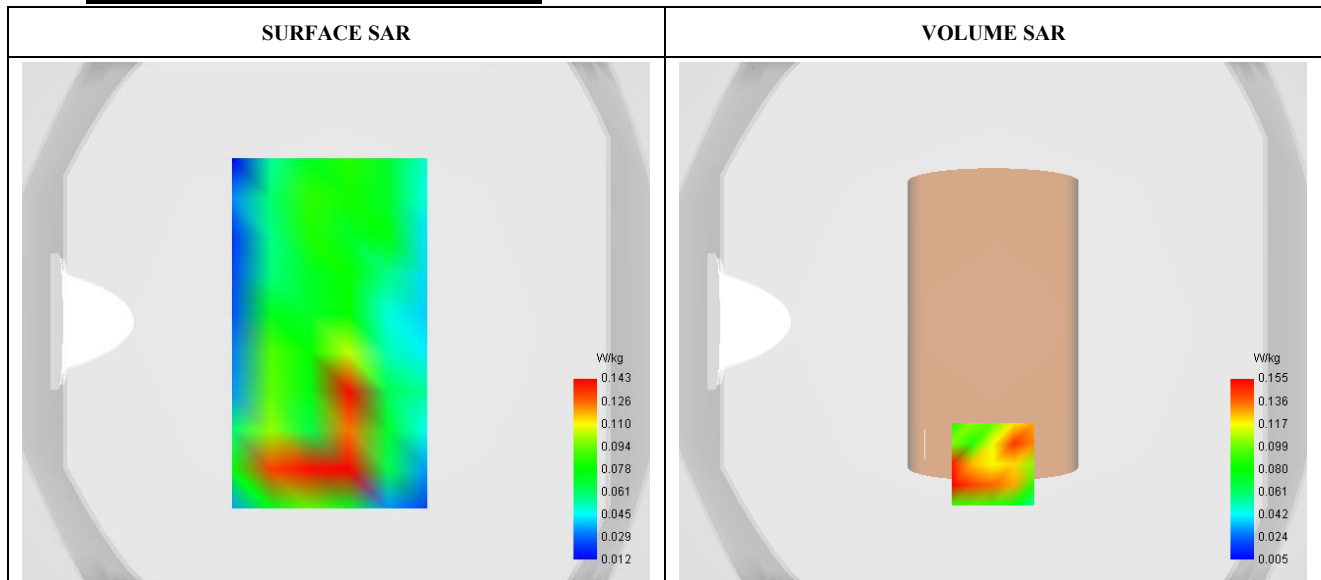
### A. Experimental conditions.

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Probe                                          | 0523-EPGO-403                         |
| ConvF                                          | 2.01                                  |
| 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                                           | SA n5                                 |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (167300)/ 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



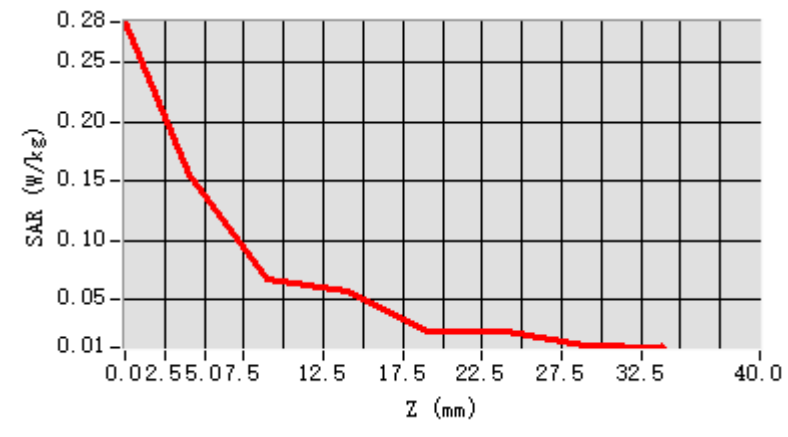
Maximum location: X=0.00, Y=-55.00 ; SAR Peak: 0.26 W/kg

### D. SAR 1g & 10g

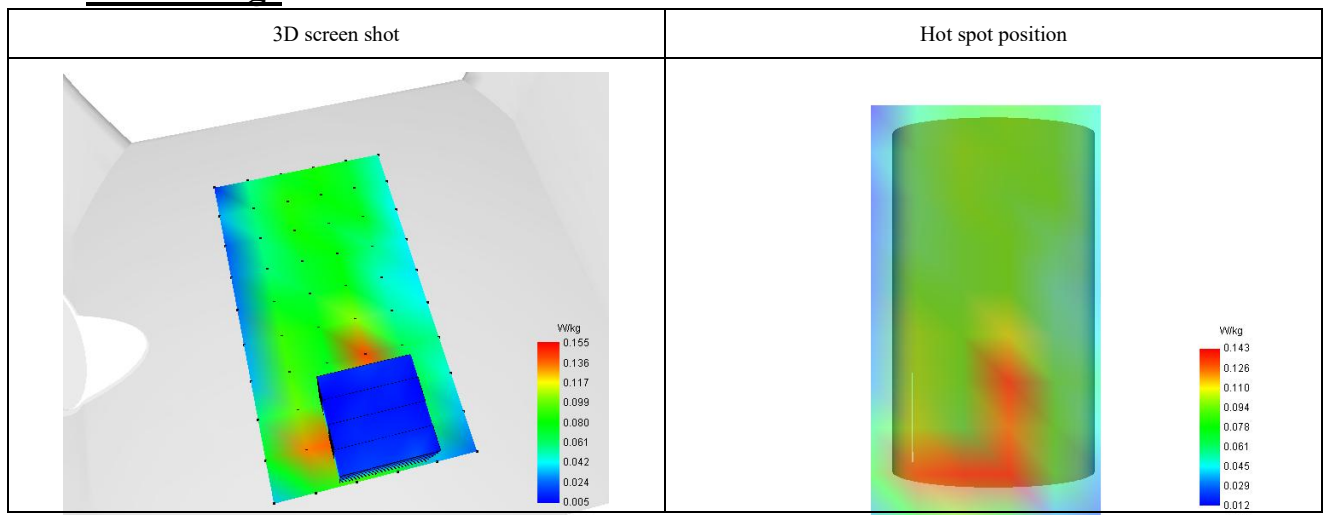
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.067     |
| SAR 1g (W/Kg)                                         | 0.146     |
| Variation (%)                                         | -0.980    |
| Horizontal validation criteria: minimum distance (mm) | 25.298221 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 43.225806 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.284 | 0.155 | 0.067 | 0.058 | 0.024 | 0.023 | 0.011 |



### F. 3D Image



## #29

Date of measurement: 2/6/2026

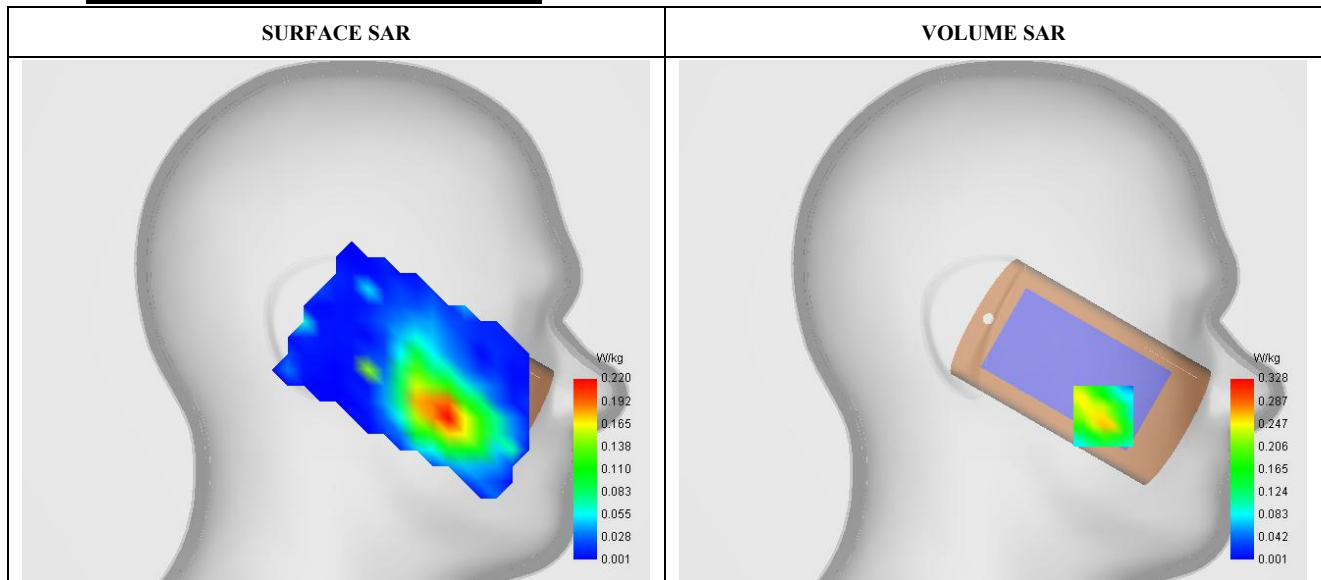
### A. Experimental conditions.

|                                                |                                        |
|------------------------------------------------|----------------------------------------|
| Probe                                          | 0523-EPGO-403                          |
| ConvF                                          | 2.23                                   |
| 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                                           | SA n7                                  |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (507000)/ 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



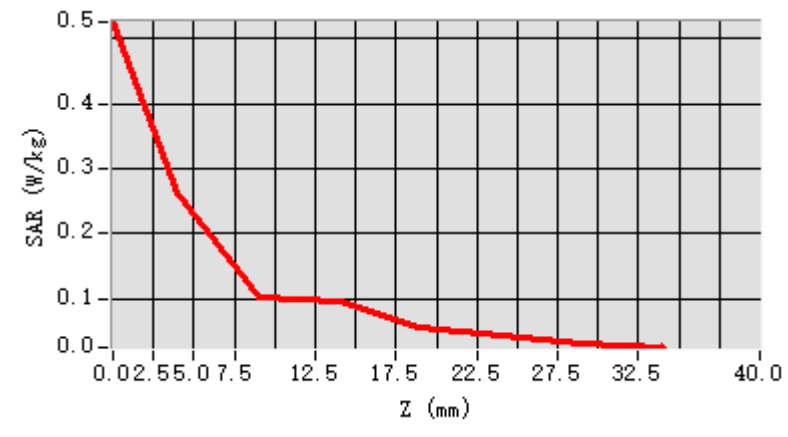
Maximum location: X=-55.00, Y=-47.00 ; SAR Peak: 0.47 W/kg

### D. SAR 1g & 10g

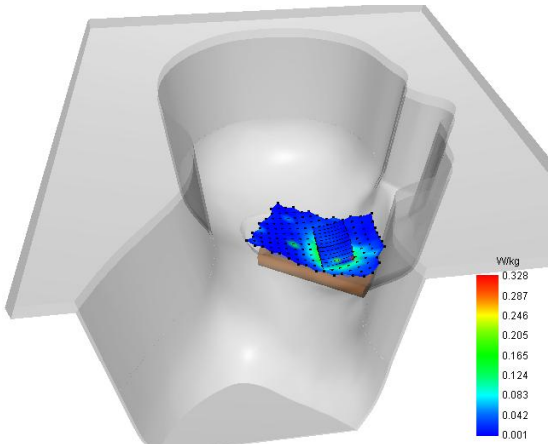
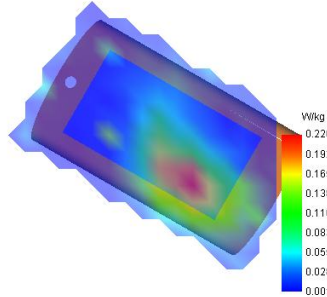
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.104     |
| SAR 1g (W/Kg)                                         | 0.233     |
| Variation (%)                                         | -1.380    |
| Horizontal validation criteria: minimum distance (mm) | 10.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 39.312977 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.526 | 0.262 | 0.103 | 0.096 | 0.058 | 0.044 | 0.030 |



### F. 3D Image

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

### #30

Date of measurement: 2/6/2026

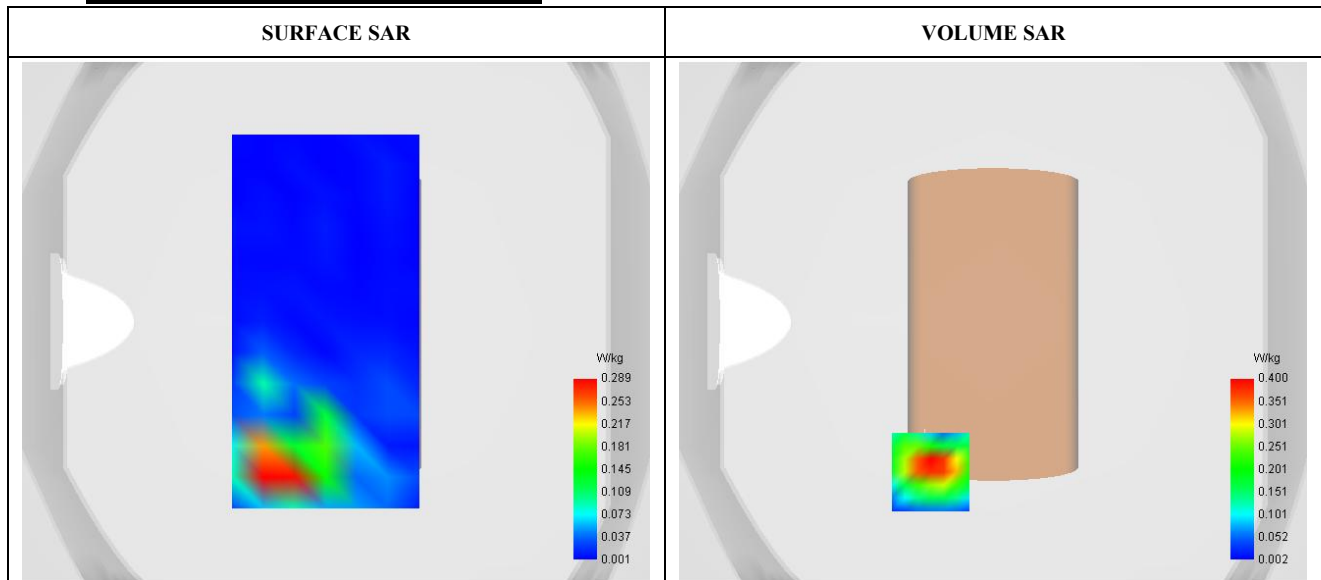
#### A. Experimental conditions.

|                                                |                                        |
|------------------------------------------------|----------------------------------------|
| Probe                                          | 0523-EPGO-403                          |
| ConvF                                          | 2.23                                   |
| 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                                           | SA n7                                  |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (507000)/ 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



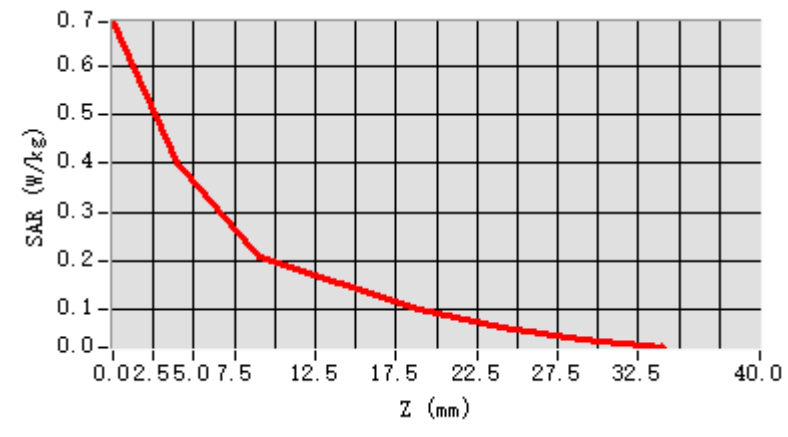
Maximum location: X=-24.00, Y=-58.00 ; SAR Peak: 0.70 W/kg

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

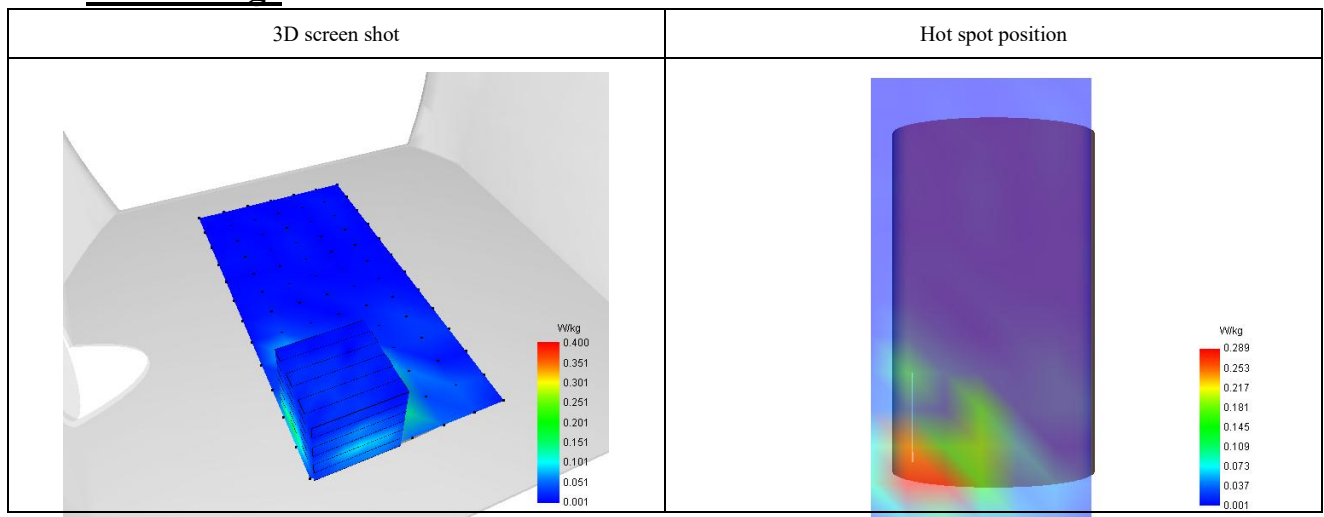
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.189     |
| SAR 1g (W/Kg)                                         | 0.363     |
| Variation (%)                                         | -4.830    |
| Horizontal validation criteria: minimum distance (mm) | 7.071068  |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 52.000000 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.691 | 0.400 | 0.208 | 0.156 | 0.102 | 0.062 | 0.037 |



### F. 3D Image



## #31

Date of measurement: 2/6/2026

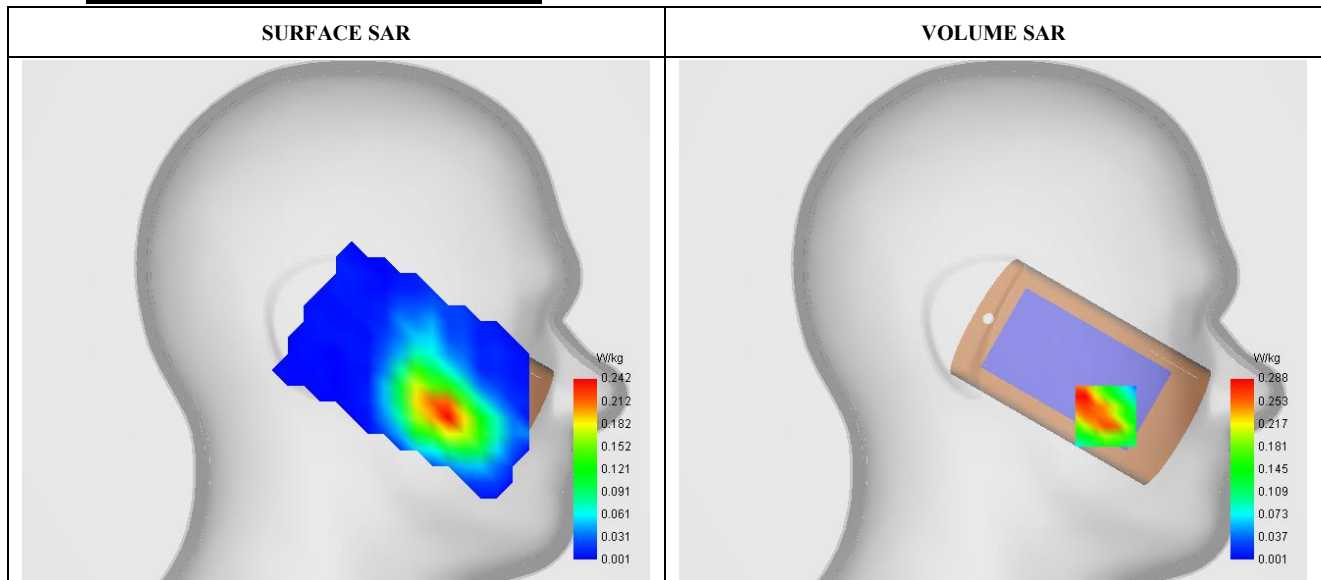
### A. Experimental conditions.

|                                                |                                        |
|------------------------------------------------|----------------------------------------|
| Probe                                          | 0523-EPGO-403                          |
| ConvF                                          | 2.23                                   |
| 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                                           | SA n41                                 |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (518598)/ frequency 2593.00 Mhz |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 2593.00 |
| Relative permittivity (real part)      | 39.009  |
| Relative permittivity (imaginary part) | 13.554  |
| Conductivity (S/m)                     | 1.952   |

### C. SAR Surface and Volume



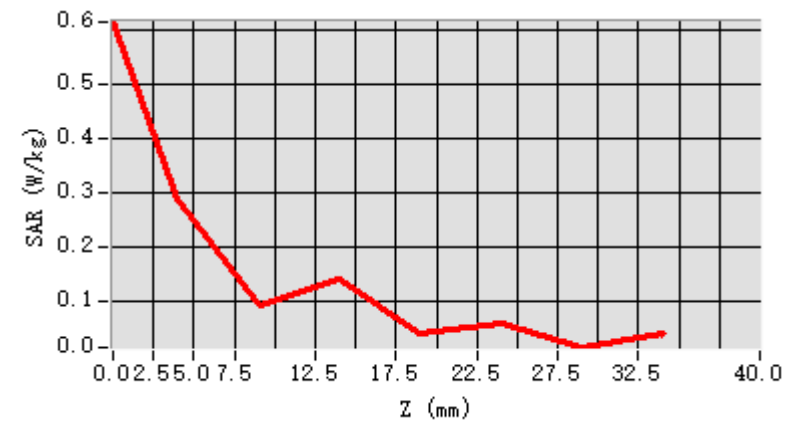
Maximum location: X=-56.00, Y=-47.00 ; SAR Peak: 0.49 W/kg

### D. SAR 1g & 10g

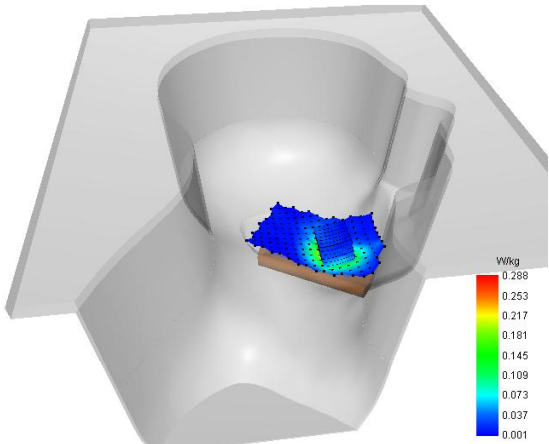
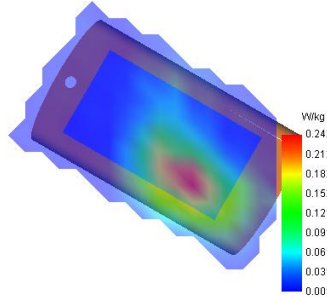
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.110     |
| SAR 1g (W/Kg)                                         | 0.263     |
| Variation (%)                                         | -3.960    |
| Horizontal validation criteria: minimum distance (mm) | 15.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 31.944444 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.616 | 0.288 | 0.092 | 0.139 | 0.040 | 0.057 | 0.014 |



### F. 3D Image

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

## #32

Date of measurement: 2/6/2026

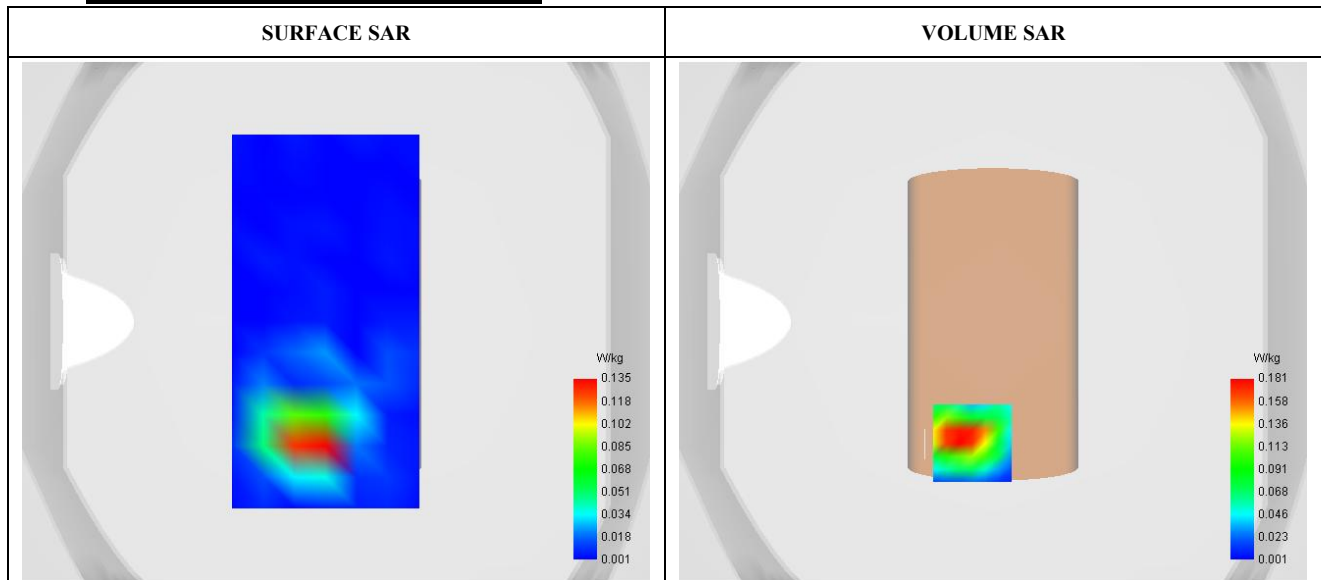
### A. Experimental conditions.

|                                                |                                        |
|------------------------------------------------|----------------------------------------|
| Probe                                          | 0523-EPGO-403                          |
| ConvF                                          | 2.23                                   |
| 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                                           | SA n41                                 |
| Channel Center [EARFCN] / Channel Center [MHz] | Middle (518598)/ frequency 2593.00 Mhz |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 2593.00 |
| Relative permittivity (real part)      | 39.009  |
| Relative permittivity (imaginary part) | 13.554  |
| Conductivity (S/m)                     | 1.952   |

### C. SAR Surface and Volume



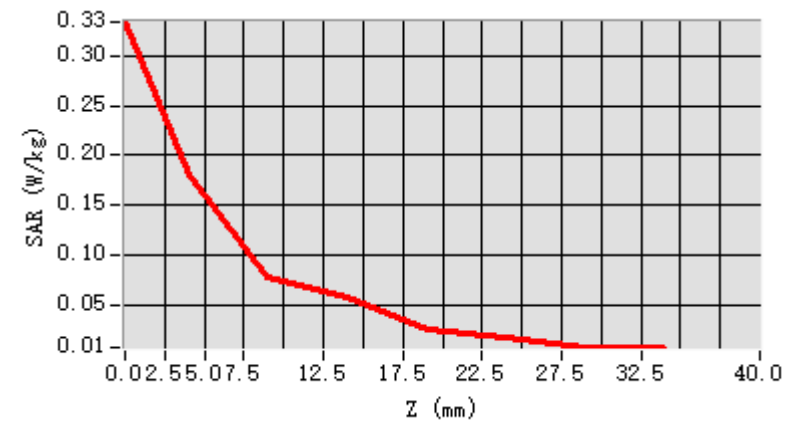
Maximum location: X=-8.00, Y=-47.00 ; SAR Peak: 0.39 W/kg

### D. SAR 1g & 10g

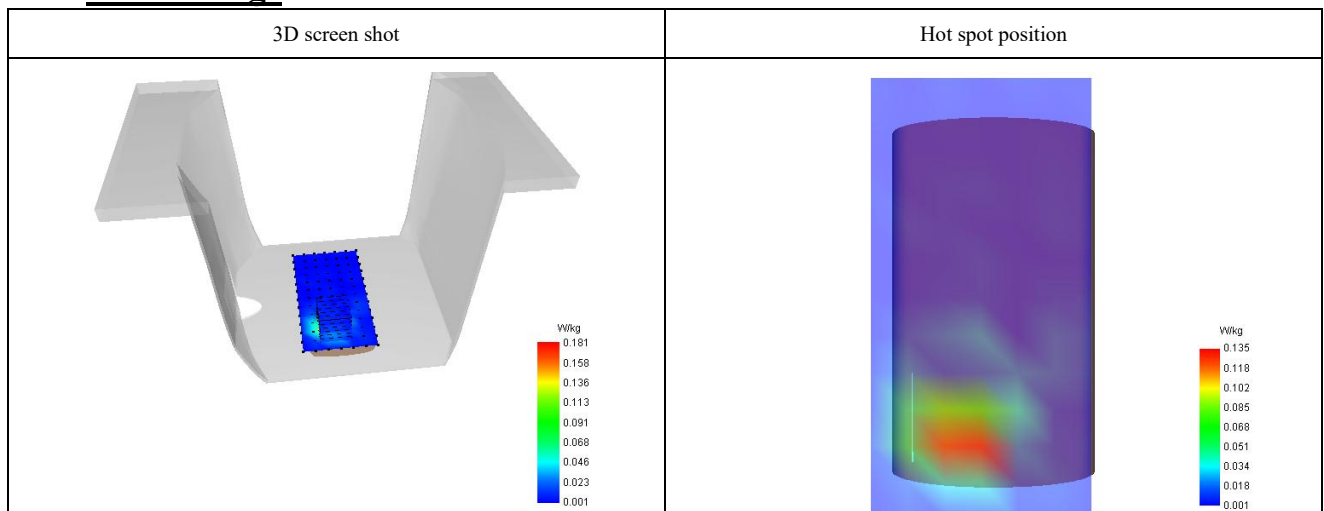
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.078     |
| SAR 1g (W/Kg)                                         | 0.175     |
| Variation (%)                                         | -3.250    |
| Horizontal validation criteria: minimum distance (mm) | 10.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 43.093923 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.334 | 0.181 | 0.078 | 0.058 | 0.026 | 0.017 | 0.007 |



### F. 3D Image



### #33

Date of measurement: 3/6/2026

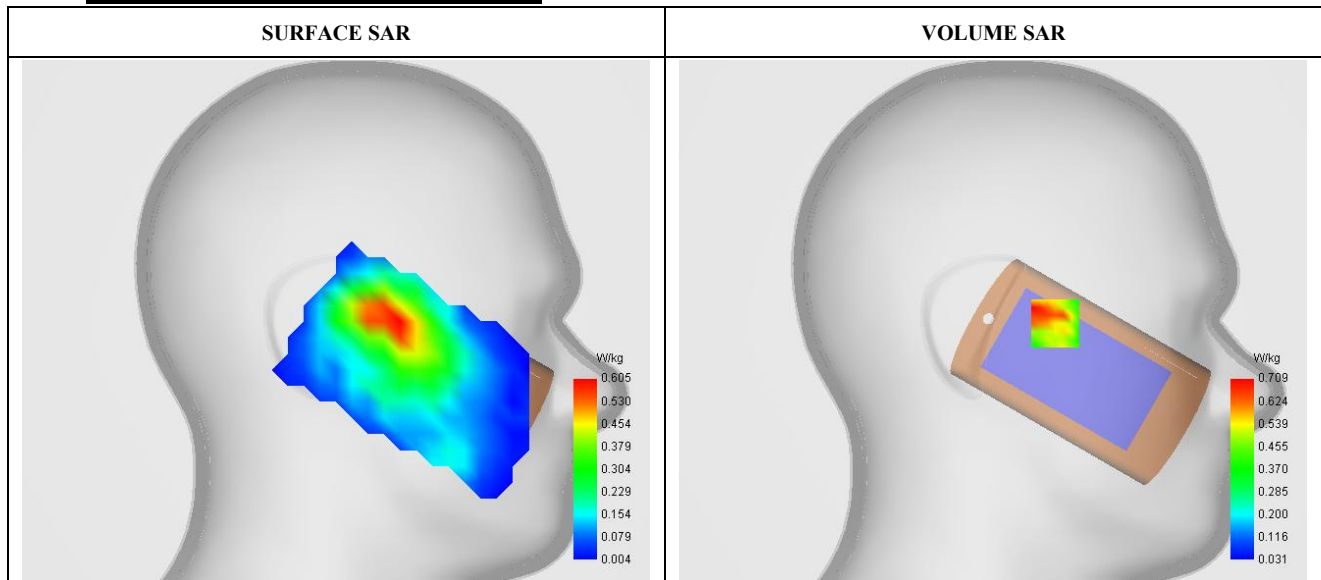
#### A. Experimental conditions.

|                    |                                        |
|--------------------|----------------------------------------|
| Probe              | 0523-EPGO-403                          |
| ConvF              | 1.84                                   |
| 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               | SA n77 L                               |
| Channels/Frequency | Middle (633334)/ frequency 3500.00 Mhz |

#### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 3500.00 |
| Relative permittivity (real part)      | 37.000  |
| Relative permittivity (imaginary part) | 14.420  |
| Conductivity (S/m)                     | 2.804   |

#### C. SAR Surface and Volume



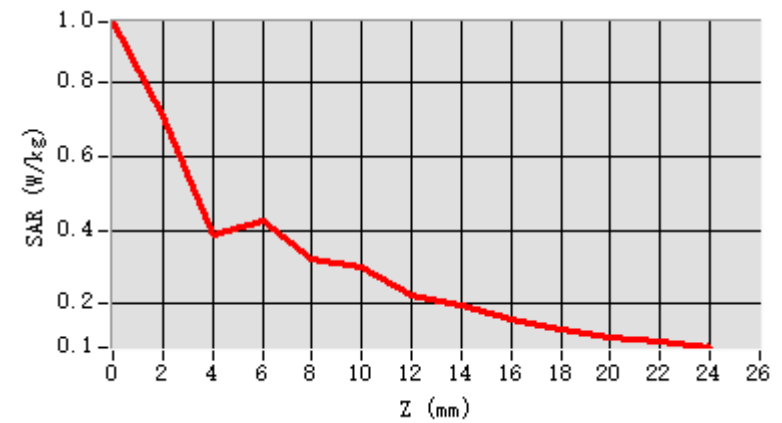
Maximum location: X=-31.00, Y=-1.00 ; SAR Peak: 1.46 W/kg

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

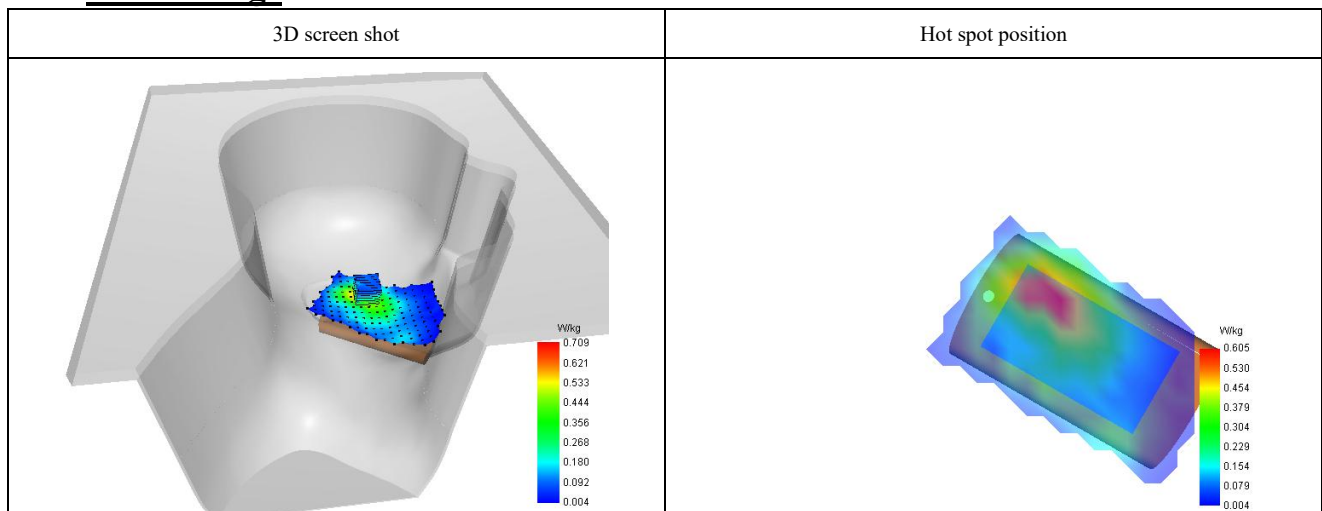
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.301     |
| SAR 1g (W/Kg)                                         | 0.565     |
| Variation (%)                                         | 1.270     |
| Horizontal validation criteria: minimum distance (mm) | 20.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 55.007052 |

### 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) | 0.966 | 0.709 | 0.390 | 0.423 | 0.322 | 0.302 | 0.221 | 0.197 | 0.156 | 0.132 | 0.109 | 0.096 |



### F. 3D Image



### #34

Date of measurement: 3/6/2026

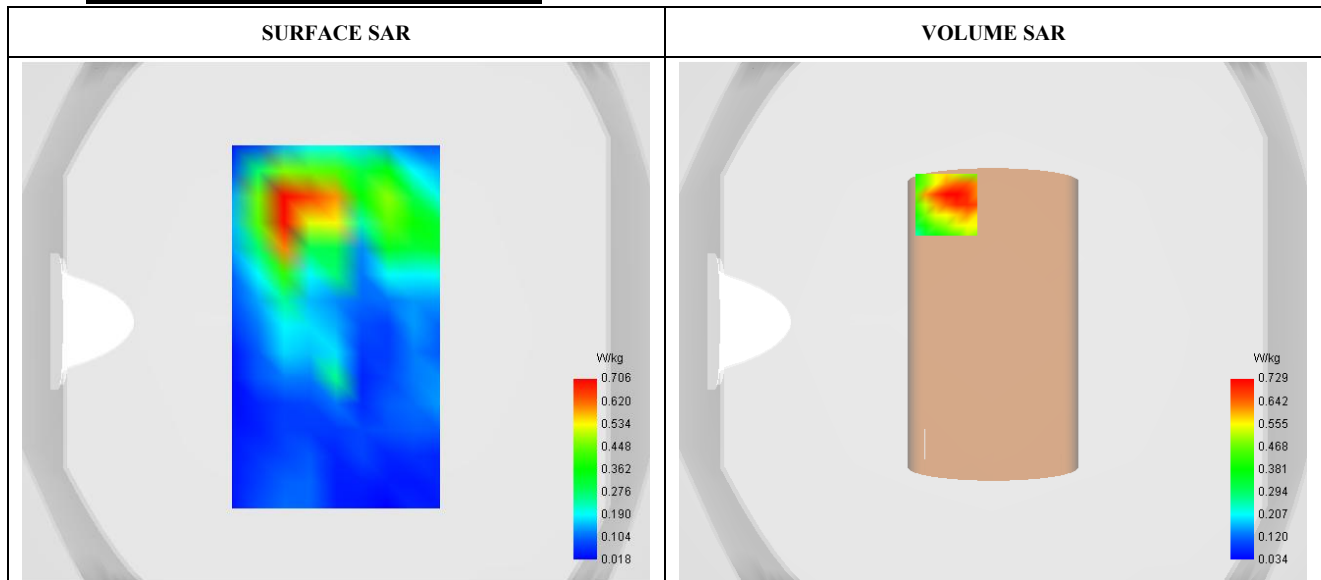
#### A. Experimental conditions.

|                    |                                        |
|--------------------|----------------------------------------|
| Probe              | 0523-EPGO-403                          |
| ConvF              | 1.84                                   |
| 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               | SA n77 L                               |
| Channels/Frequency | Middle (633334)/ frequency 3500.00 Mhz |

#### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 3500.00 |
| Relative permittivity (real part)      | 37.000  |
| Relative permittivity (imaginary part) | 14.420  |
| Conductivity (S/m)                     | 2.804   |

#### C. SAR Surface and Volume



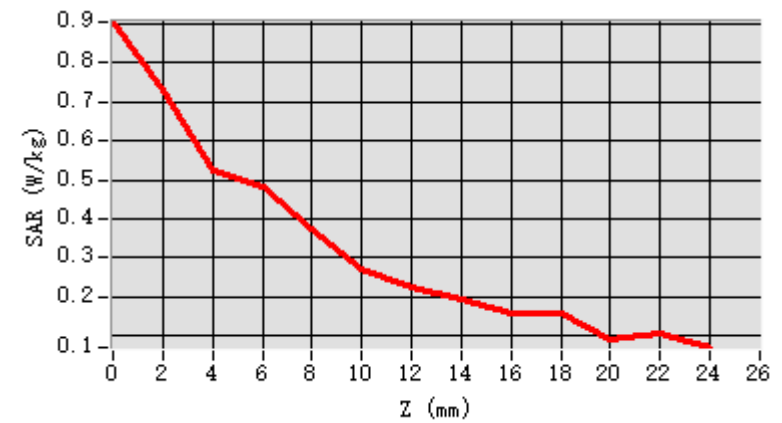
Maximum location: X=-18.00, Y=45.00 ; SAR Peak: 0.93 W/kg

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

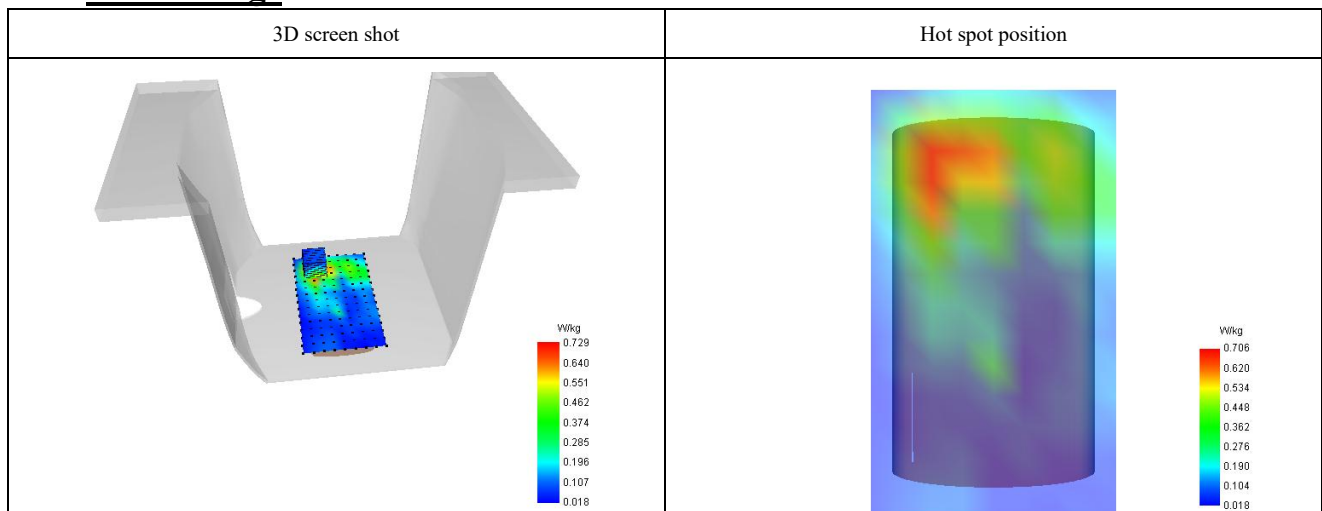
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.327     |
| SAR 1g (W/Kg)                                         | 0.545     |
| Variation (%)                                         | -3.820    |
| Horizontal validation criteria: minimum distance (mm) | 20.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 71.467764 |

### 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) | 0.903 | 0.729 | 0.521 | 0.480 | 0.374 | 0.270 | 0.227 | 0.195 | 0.158 | 0.157 | 0.090 | 0.108 |



### F. 3D Image



### #35

Date of measurement: 4/6/2026

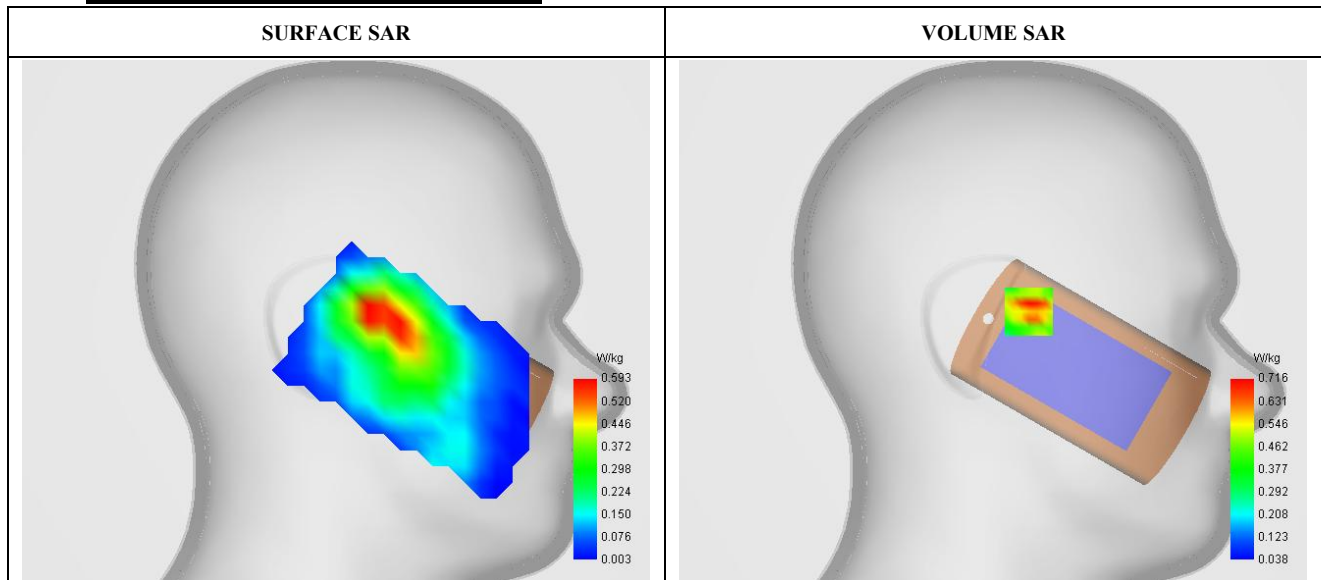
#### A. Experimental conditions.

|                    |                                        |
|--------------------|----------------------------------------|
| Probe              | 0523-EPGO-403                          |
| ConvF              | 1.83                                   |
| 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               | SA n77 H                               |
| Channels/Frequency | Middle (656000)/ frequency 3840.00 Mhz |

#### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 3840.00 |
| Relative permittivity (real part)      | 37.315  |
| Relative permittivity (imaginary part) | 14.355  |
| Conductivity (S/m)                     | 3.062   |

#### C. SAR Surface and Volume



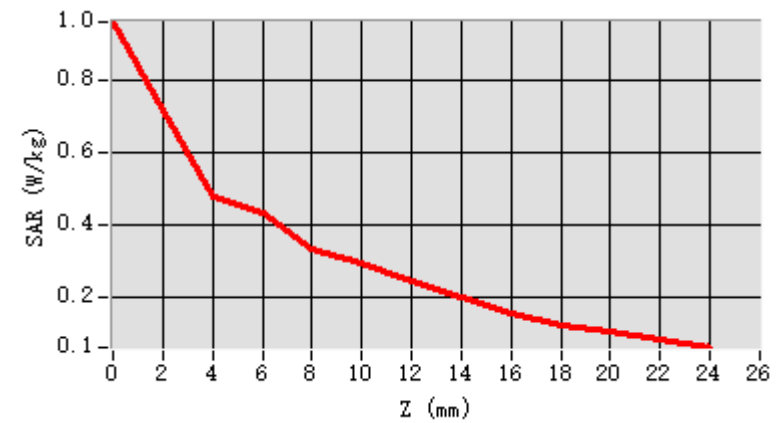
Maximum location: X=-18.00, Y=5.00 ; SAR Peak: 1.48 W/kg

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

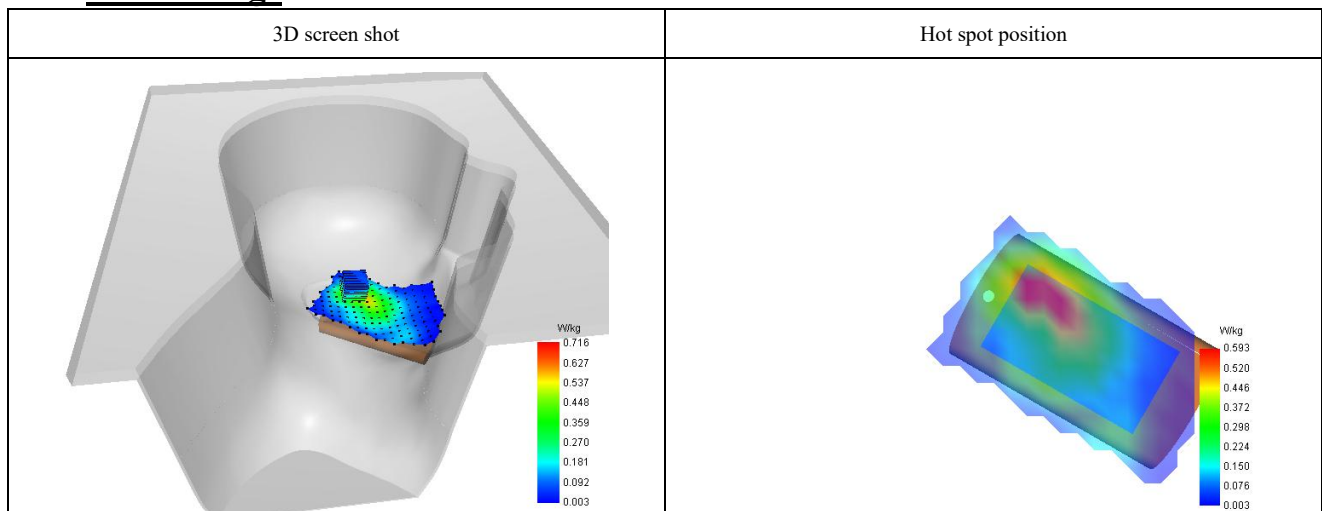
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.291     |
| SAR 1g (W/Kg)                                         | 0.561     |
| Variation (%)                                         | 0.350     |
| Horizontal validation criteria: minimum distance (mm) | 14.422205 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 66.480447 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 2.00  | 4.00  | 6.00  | 8.00  | 10.00 | 12.00 | 14.00 | 16.00 | 18.00 | 20.00 | 22.00 | 24.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.959 | 0.716 | 0.476 | 0.435 | 0.332 | 0.296 | 0.249 | 0.199 | 0.159 | 0.125 | 0.107 | 0.107 | 0.085 |



### F. 3D Image



### #36

Date of measurement: 4/6/2026

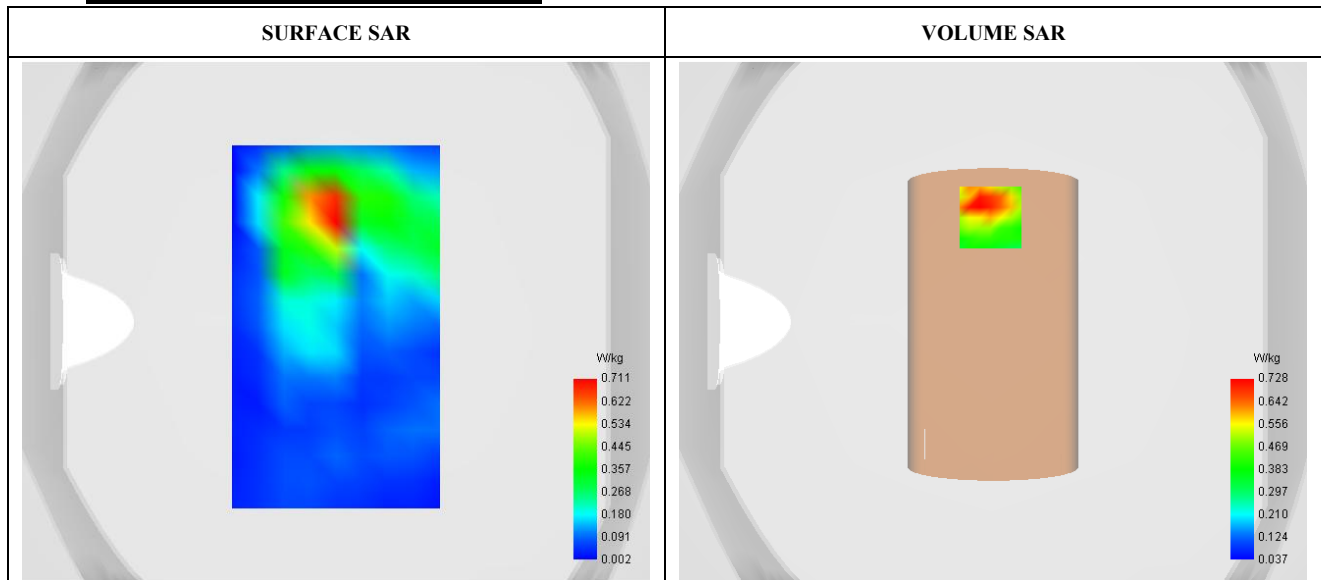
#### A. Experimental conditions.

|                    |                                        |
|--------------------|----------------------------------------|
| Probe              | 0523-EPGO-403                          |
| ConvF              | 1.83                                   |
| 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               | SA n77 H                               |
| Channels/Frequency | Middle (656000)/ frequency 3840.00 Mhz |

#### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Middle TX Frequency (MHz)              | 3840.00 |
| Relative permittivity (real part)      | 37.315  |
| Relative permittivity (imaginary part) | 14.355  |
| Conductivity (S/m)                     | 3.062   |

#### C. SAR Surface and Volume



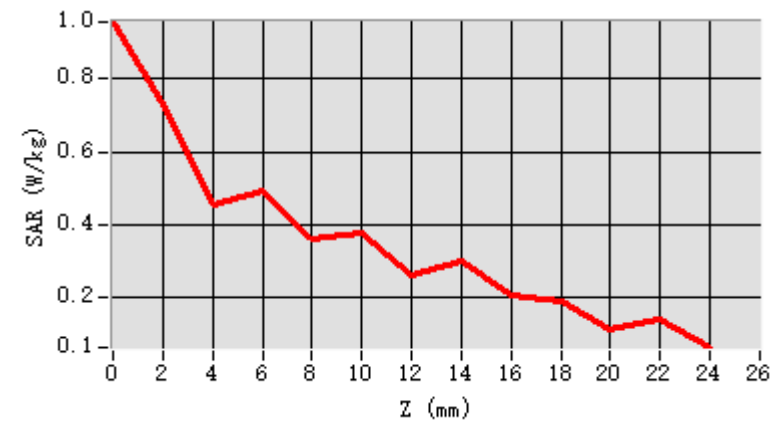
Maximum location: X=-1.00, Y=40.00 ; SAR Peak: 1.03 W/kg

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

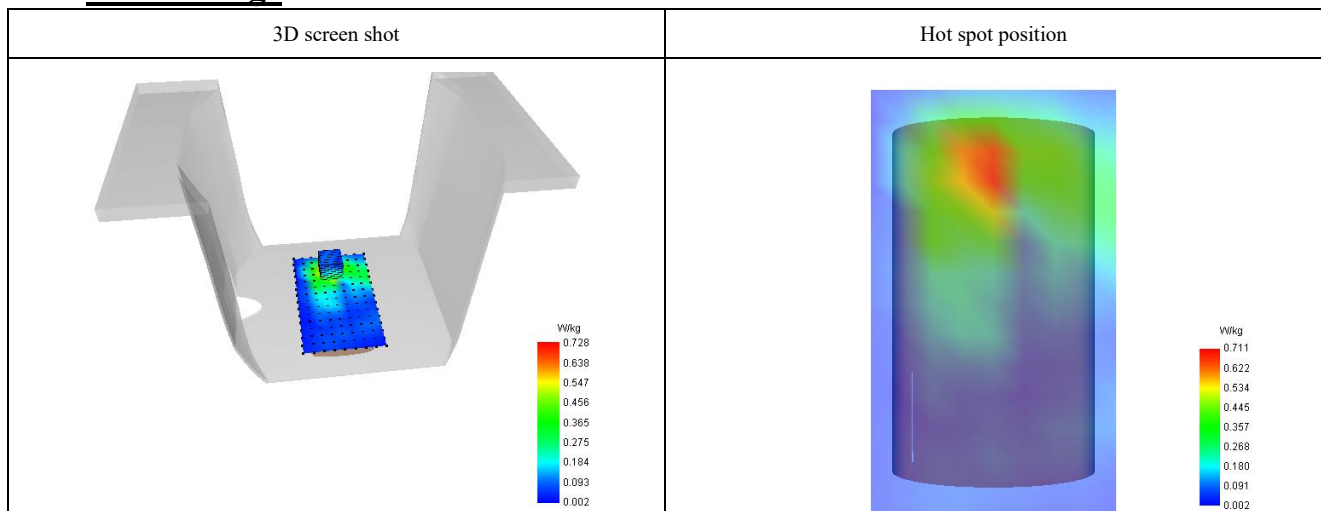
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.289     |
| SAR 1g (W/Kg)                                         | 0.569     |
| Variation (%)                                         | 3.220     |
| Horizontal validation criteria: minimum distance (mm) | 17.888544 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 62.087912 |

### 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) | 0.956 | 0.728 | 0.452 | 0.495 | 0.362 | 0.380 | 0.262 | 0.302 | 0.207 | 0.188 | 0.113 | 0.141 |



### F. 3D Image



## Appendix D. Calibration Certificate

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|---------------------------------------------|
| E Field Probe - 0523-EPGO-403               |
| 900 MHz Dipole - SN 1811-DIP0G900-151       |
| 1800 MHz Dipole - 1811-DIP1G800-152         |
| 1900 MHz Dipole - 1811-DIP1G900-153         |
| 2450 MHz Dipole - SN 1811-DIP2G450-155      |
| 2600 MHz Dipole - SN 2614-DIP2G600-326      |
| 3500 MHz Dipole - SN 1811-DIP3G500-156      |
| 3900 MHz Dipole - 0622-DIP3G900-649         |
| 5200-5800 MHz Dipole - SN 2923-DIP5G000-730 |

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## COMOSAR E-Field Probe Calibration Report

Ref : ACR.100.4.26.PAR.A

**GUANGDONG ASIA HONGKE TEST  
TECHNOLOGY CO.,LTD**  
**NO. B1/F, BUILDING 11, JUNTENG INDUSTRIAL PARCK,  
CHONGQING ROAD,HEPING COMMUNITY, FUHAI  
STREET,**  
**MVG COMOSAR DOSIMETRIC E-FIELD PROBE**  
**SERIAL NO.: 0523-EPGO-403**

**Calibrated at MVG**  
**13 Rue du Zephyr**  
**91140 Villejust - FRANCE**  
**Calibration date: 03/03/2026**



Scope available on : <https://a2la.org/>

### Summary:

This document presents the method and results from an accredited COMOSAR Dosimetric E-Field Probe calibration performed at MVG, using the CALIPROBE test bench, for use with a MVG COMOSAR system only. The test results covered by accreditation are traceable to the International System of Units (SI).

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**COMOSAR E-FIELD PROBE CALIBRATION REPORT**

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|                                   | <i>Name</i>       | <i>Function</i>   | <i>Date</i>   | <i>Signature</i>                                                                                                       |
|-----------------------------------|-------------------|-------------------|---------------|------------------------------------------------------------------------------------------------------------------------|
| <i>Prepared by :</i>              | Pedro Ruiz        | Technical Manager | 4/10/2026     |                                     |
| <i>Checked &amp; approved by:</i> | Pedro Ruiz        | Technical Manager | 4/10/2026     |                                     |
| <i>Authorized by:</i>             | Christophe Barrot | Quality Manager   | 2026 April 13 | <div> <div>Signed by:</div>  </div> |

7587FED2BCF046E...

|                       | <i>Customer Name</i>                                |
|-----------------------|-----------------------------------------------------|
| <i>Distribution :</i> | Guangdong Asia<br>Hongke Test<br>Technology Co.,Ltd |

| <i>Issue</i> | <i>Name</i> | <i>Date</i> | <i>Modifications</i> |
|--------------|-------------|-------------|----------------------|
| A            | Pedro Ruiz  | 4/10/2026   | Initial release      |
|              |             |             |                      |
|              |             |             |                      |
|              |             |             |                      |

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## COMOSAR E-FIELD PROBE CALIBRATION REPORT

Ref: ACR.100.4.26.PAR.A

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## COMOSAR E-FIELD PROBE CALIBRATION REPORT

Ref: ACR.100.4.26.PAR.A

### 1 DEVICE UNDER TEST

| Device Under Test                        |                                                                         |
|------------------------------------------|-------------------------------------------------------------------------|
| Device Type                              | COMOSAR DOSIMETRIC E FIELD PROBE                                        |
| Manufacturer                             | MVG                                                                     |
| Model                                    | SSE2                                                                    |
| Serial Number                            | 0523-EPGO-403                                                           |
| Product Condition (new / used)           | Used                                                                    |
| Frequency Range of Probe                 | 0.15 GHz-7.5GHz                                                         |
| Resistance of Three Dipoles at Connector | Dipole 1: R1=0.216 MΩ<br>Dipole 2: R2=0.239 MΩ<br>Dipole 3: R3=0.223 MΩ |

### 2 PRODUCT DESCRIPTION

#### 2.1 GENERAL INFORMATION

MVG's COMOSAR E field Probes are built in accordance to the IEC/IEEE 62209-1528 and FCC KDB865664 D01 standards.



**Figure 1 – MVG COMOSAR Dosimetric E field Probe**

|                                            |        |
|--------------------------------------------|--------|
| Probe Length                               | 330 mm |
| Length of Individual Dipoles               | 2 mm   |
| Maximum external diameter                  | 8 mm   |
| Probe Tip External Diameter                | 2.5 mm |
| Distance between dipoles / probe extremity | 1 mm   |

### 3 MEASUREMENT METHOD

The IEC/IEEE 62209-1528 and FCC KDB865664 D01 standards provide recommended practices for the probe calibrations, including the performance characteristics of interest and methods by which to assess their effect. All calibrations / measurements performed meet the fore-mentioned standards.

#### 3.1 SENSITIVITY

The sensitivity factors of the three dipoles were determined using a two step calibration method (air and tissue simulating liquid) using waveguides as outlined in the standards for frequency range 600-7500MHz and using the calorimeter cell method (transfer method) as outlined in the standards for frequency 150-450 MHz.

#### 3.2 LINEARITY

The evaluation of the linearity was done in free space using the waveguide, performing a power sweep to cover the SAR range 0.01W/kg to 100W/kg.

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### 3.3 ISOTROPY

The axial isotropy was evaluated by exposing the probe to a reference wave from a standard dipole with the dipole mounted under the flat phantom in the test configuration suggested for system validations and checks. The probe was rotated along its main axis from 0 to 360 degrees in 15-degree steps. The hemispherical isotropy is determined by inserting the probe in a thin plastic box filled with tissue-equivalent liquid, with the plastic box illuminated with the fields from a half wave dipole. The dipole is rotated about its axis (0°–180°) in 15° increments. At each step the probe is rotated about its axis (0°–360°).

### 3.4 BOUNDARY EFFECT

The boundary effect is defined as the deviation between the SAR measured data and the expected exponential decay in the liquid when the probe is oriented normal to the interface. To evaluate this effect, the liquid filled flat phantom is exposed to fields from either a reference dipole or waveguide. With the probe normal to the phantom surface, the peak spatial average SAR is measured and compared to the analytical value at the surface.

The boundary effect uncertainty can be estimated according to the following uncertainty approximation formula based on linear and exponential extrapolations between the surface and  $d_{be} + d_{step}$  along lines that are approximately normal to the surface:

$$SAR_{uncertainty} [\%] = \Delta SAR_{be} \frac{(d_{be} + d_{step})^2}{2d_{step}} \frac{(e^{-d_{be}/\delta} - e^{-(d_{be} + d_{step})/\delta})}{\delta/2} \quad \text{for } (d_{be} + d_{step}) < 10 \text{ mm}$$

where

|                     |                                                                                                                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| $SAR_{uncertainty}$ | is the uncertainty in percent of the probe boundary effect                                                                                                                                           |
| $d_{be}$            | is the distance between the surface and the closest <i>zoom-scan</i> measurement point, in millimetre                                                                                                |
| $\Delta_{step}$     | is the separation distance between the first and second measurement points that are closest to the phantom surface, in millimetre, assuming the boundary effect at the second location is negligible |
| $\delta$            | is the minimum penetration depth in millimetres of the head tissue-equivalent liquids defined in this standard, i.e., $\delta \approx 14$ mm at 3 GHz;                                               |
| $\Delta SAR_{be}$   | in percent of SAR is the deviation between the measured SAR value, at the distance $d_{be}$ from the boundary, and the analytical SAR value.                                                         |

The measured worst case boundary effect  $SAR_{uncertainty}[\%]$  for scanning distances larger than 4mm is 1.0% (Limit, 2%).

### 3.5 PROBE MODULATION RESPONSE

MVG's probe were evaluated experimentally with various modulated signal and the deviation from CW response were found neglectable in the used power range of the probe. So the correction to taking into account the linearization parameters for different modulation is null, therefore the CW factor given in this report can be used whatever the measured modulation

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## COMOSAR E-FIELD PROBE CALIBRATION REPORT

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### 4 MEASUREMENT UNCERTAINTY

The guidelines outlined in the IEC/IEEE 62209-1528 and FCC KDB865664 D01 standards were followed to generate the measurement uncertainty associated with a SAR probe calibration using the waveguide or calorimetric cell technique depending on the frequency.

The estimated expanded uncertainty (k=2) in calibration for SAR (W/kg) is +/-11% for the frequency range 150-450MHz.

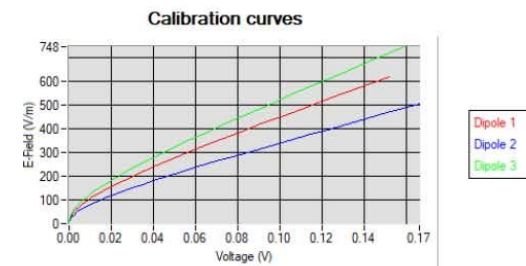
The estimated expanded uncertainty (k=2) in calibration for SAR (W/kg) is +/-14% for the frequency range 600-7500MHz.

### 5 CALIBRATION RESULTS

| Ambient condition  |             |
|--------------------|-------------|
| Liquid Temperature | 20 +/- 1 °C |
| Lab Temperature    | 20 +/- 1 °C |
| Lab Humidity       | 30-70 %     |

#### 5.1 CALIBRATION IN AIR

The following curve represents the measurement in waveguide of the voltage picked up by the probe toward the E-field generated inside the waveguide.



From this curve, the sensitivity in air is calculated using the below formula.

$$E^2 = \sum_{i=1}^3 \frac{V_i (1 + V_i / DCP_i)}{Norm_i}$$

where

$V_i$ =voltage readings on the 3 channels of the probe

$DCP_i$ =diode compression point given below for the 3 channels of the probe

$Norm_i$ =dipole sensitivity given below for the 3 channels of the probe

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# COMOSAR E-FIELD PROBE CALIBRATION REPORT

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| Normx dipole<br>1 ( $\mu\text{V}/(\text{V}/\text{m})^2$ ) | Normy dipole<br>2 ( $\mu\text{V}/(\text{V}/\text{m})^2$ ) | Normz dipole<br>3 ( $\mu\text{V}/(\text{V}/\text{m})^2$ ) |
|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| 0.95                                                      | 1.68                                                      | 0.70                                                      |

| DCP dipole 1<br>(mV) | DCP dipole 2<br>(mV) | DCP dipole 3<br>(mV) |
|----------------------|----------------------|----------------------|
| 108                  | 105                  | 109                  |

## 5.2 CALIBRATION IN LIQUID

The calorimeter cell or the waveguide is used to determine the calibration in liquid using the formula below.

$$ConvF = \frac{E_{liquid}^2}{E_{air}^2}$$

The E-field in the liquid is determined from the SAR measurement according to the below formula.

$$E_{liquid}^2 = \frac{\rho SAR}{\sigma}$$

where

$\sigma$ =the conductivity of the liquid

$\rho$ =the volumetric density of the liquid

SAR=the SAR measured from the formula that depends on the setup used. The SAR formulas are given below

For the calorimeter cell (150-450 MHz), the formula is:

$$SAR = c \frac{dT}{dt}$$

where

$c$ =the specific heat for the liquid

$dT/dt$ =the temperature rises over the time

For the waveguide setup (600-75000 MHz), the formula is:

$$SAR = \frac{4P_W}{ab\delta} e^{\frac{-2z}{\delta}}$$

where

$a$ =the larger cross-sectional of the waveguide

$b$ =the smaller cross-sectional of the waveguide

$\delta$ =the skin depth for the liquid in the waveguide

$P_W$ =the power delivered to the liquid

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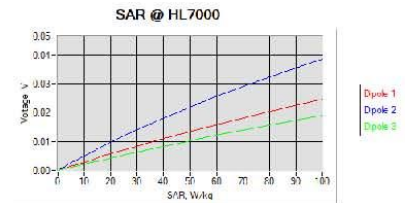
# COMOSAR E-FIELD PROBE CALIBRATION REPORT

Ref: ACR.100.4.26.PAR.A

The below table summarize the ConvF for the calibrated liquid. The curves give examples for the measured SAR depending on the voltage in some liquid.

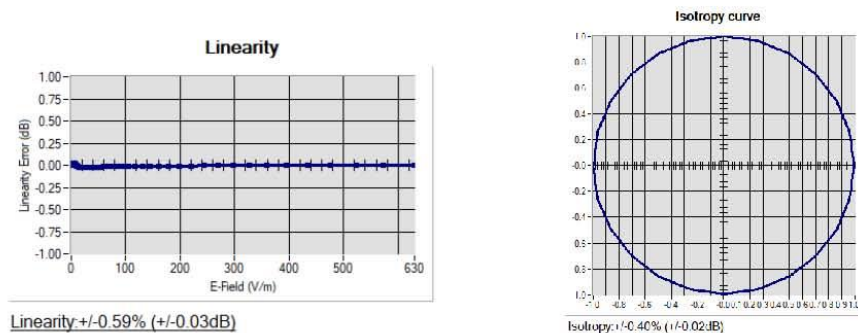
| Liquid | Frequency (MHz*) | ConvF |
|--------|------------------|-------|
| HL450  | 450              | 1.95  |
| HL750  | 750              | 2.08  |
| HL900  | 900              | 2.01  |
| HL1800 | 1800             | 2.01  |
| HL1900 | 1900             | 2.20  |
| HL2000 | 2000             | 2.22  |
| HL2300 | 2300             | 2.37  |
| HL2450 | 2450             | 2.44  |
| HL2600 | 2600             | 2.23  |
| HL3300 | 3300             | 1.98  |
| HL3500 | 3500             | 1.84  |
| HL3700 | 3700             | 1.83  |
| HL3900 | 3900             | 1.91  |
| HL4200 | 4200             | 2.02  |
| HL4600 | 4600             | 1.90  |
| HL4900 | 4900             | 1.85  |
| HL5200 | 5200             | 1.86  |
| HL5400 | 5400             | 1.82  |
| HL5600 | 5600             | 1.65  |
| HL5800 | 5800             | 1.70  |
| HL7000 | 7000             | 1.75  |

(\*) Frequency validity is +/-50MHz below 600MHz, +/-100MHz from 600MHz to 6GHz and +/-700MHz above 6GHz



## 6 VERIFICATION RESULTS

The figures below represent the measured linearity and axial isotropy for this probe. The probe specification is +/-0.2 dB for linearity and +/-0.15 dB for axial isotropy.



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**COMOSAR E-FIELD PROBE CALIBRATION REPORT**

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**7 LIST OF EQUIPMENT**

| Equipment Summary Sheet            |                       |                         |                                               |                                               |
|------------------------------------|-----------------------|-------------------------|-----------------------------------------------|-----------------------------------------------|
| Equipment Description              | Manufacturer / Model  | Identification No.      | Current Calibration Date                      | Next Calibration Date                         |
| CALIPROBE Test Bench               | Version 2             | NA                      | Validated. No cal required.                   | Validated. No cal required.                   |
| Network Analyzer                   | Rohde & Schwarz ZND   | 1328.5170K92-100497-kX  | 12/2025                                       | 08/2028                                       |
| Network Analyzer – Calibration kit | Keysight 85052D       | 85052D MY61410029       | 06/2024                                       | 06/2027                                       |
| Multimeter                         | Keithley 2000         | 4013982                 | 02/2023                                       | 02/2027                                       |
| Signal Generator                   | Rohde & Schwarz SMB   | 183277                  | 05/2022                                       | 05/2027                                       |
| Amplifier                          | MVG                   | MODU-023-C-0002         | Characterized prior to test. No cal required. | Characterized prior to test. No cal required. |
| Power Meter                        | NI-USB 5680           | 170100013               | 01/2026                                       | 01/2029                                       |
| USB Sensor                         | Keysight U2000A       | SN: MY62340002          | 10/2024                                       | 10/2027                                       |
| Directional Coupler                | Krytar 158020         | 131467                  | Characterized prior to test. No cal required. | Characterized prior to test. No cal required. |
| Fluoroptic Thermometer             | LumaSense Luxtron 812 | 94264                   | 09/2022                                       | 09/2026                                       |
| Coaxial cell                       | MVG                   | SN 32/16 COAXCELL_1     | Validated. No cal required.                   | Validated. No cal required.                   |
| Waveguide                          | MVG                   | SN 32/16 WG2_1          | Validated. No cal required.                   | Validated. No cal required.                   |
| Liquid transition                  | MVG                   | SN 32/16 WGLIQ_0G600_1  | Validated. No cal required.                   | Validated. No cal required.                   |
| Waveguide                          | MVG                   | SN 32/16 WG4_1          | Validated. No cal required.                   | Validated. No cal required.                   |
| Liquid transition                  | MVG                   | SN 32/16 WGLIQ_0G900_1  | Validated. No cal required.                   | Validated. No cal required.                   |
| Waveguide                          | MVG                   | SN 32/16 WG6_1          | Validated. No cal required.                   | Validated. No cal required.                   |
| Liquid transition                  | MVG                   | SN 32/16 WGLIQ_1G500_1  | Validated. No cal required.                   | Validated. No cal required.                   |
| Waveguide                          | MVG                   | SN 32/16 WG8_1          | Validated. No cal required.                   | Validated. No cal required.                   |
| Liquid transition                  | MVG                   | SN 32/16 WGLIQ_1G800B_1 | Validated. No cal required.                   | Validated. No cal required.                   |
| Liquid transition                  | MVG                   | SN 32/16 WGLIQ_1G800H_1 | Validated. No cal required.                   | Validated. No cal required.                   |

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|                               |              |                        |                             |                             |
|-------------------------------|--------------|------------------------|-----------------------------|-----------------------------|
| Waveguide                     | MVG          | SN 32/16 WG10_1        | Validated. No cal required. | Validated. No cal required. |
| Liquid transition             | MVG          | SN 32/16 WGLIQ_3G500_1 | Validated. No cal required. | Validated. No cal required. |
| Waveguide                     | MVG          | SN 32/16 WG12_1        | Validated. No cal required. | Validated. No cal required. |
| Liquid transition             | MVG          | SN 32/16 WGLIQ_5G000_1 | Validated. No cal required. | Validated. No cal required. |
| Waveguide                     | MVG          | SN 32/16 WG14_1        | Validated. No cal required. | Validated. No cal required. |
| Liquid transition             | MVG          | SN 32/16 WGLIQ_7G000_1 | Validated. No cal required. | Validated. No cal required. |
| Temperature / Humidity Sensor | Testo 184 H1 | 44235403               | 02/2024                     | 02/2027                     |

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## SAR Reference Dipole Calibration Report

Ref : ACR.100.6.26.PAR.A

**GUANGDONG ASIA HONGKE TEST  
TECHNOLOGY CO.,LTD**  
**NO. B1/F, BUILDING 11, JUNTENG INDUSTRIAL PARCK,  
CHONGQING ROAD,HEPING COMMUNITY, FUHAI  
STREET,**  
**MVG COMOSAR REFERENCE DIPOLE**  
**FREQUENCY: 900 MHZ**  
**SERIAL NO.: SN 1811-DIP0G900-151**

**Calibrated at MVG**  
**13 Rue du Zephyr**  
**91140 Villejust - FRANCE**  
**Calibration date: 03/31/2026**



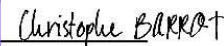
### *Summary:*

This document presents the method and results from an accredited SAR reference dipole calibration performed in MVG using the COMOSAR test bench. All calibration results are traceable to national metrology institutions.

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**SAR REFERENCE DIPOLE CALIBRATION REPORT**

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|                                   | <i>Name</i>       | <i>Function</i>   | <i>Date</i>   | <i>Signature</i>                                                                                                                                                |
|-----------------------------------|-------------------|-------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Prepared by :</i>              | Pedro Ruiz        | Technical Manager | 4/10/2026     |                                                                              |
| <i>Checked &amp; approved by:</i> | Pedro Ruiz        | Technical Manager | 4/10/2026     |                                                                              |
| <i>Authorized by:</i>             | Christophe Barrot | Quality Manager   | 2026 April 13 | <div> <div>Signed by:</div> <div></div> <div>7587FED2BCF048E...</div> </div> |

|                       | <i>Customer Name</i>                                |
|-----------------------|-----------------------------------------------------|
| <i>Distribution :</i> | Guangdong Asia<br>Hongke Test<br>Technology Co.,Ltd |

| <i>Issue</i> | <i>Name</i> | <i>Date</i> | <i>Modifications</i> |
|--------------|-------------|-------------|----------------------|
| A            | Pedro Ruiz  | 4/10/2026   | Initial release      |
|              |             |             |                      |
|              |             |             |                      |
|              |             |             |                      |

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## SAR REFERENCE DIPOLE CALIBRATION REPORT

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| 7   | List of Equipment .....          | 8 |



## 1 INTRODUCTION

This document contains a summary of the requirements set forth by the IEC/IEEE 62209-1528 and FCC KDB865664 D01 standards for reference dipoles used for SAR measurement system validations and the measurements that were performed to verify that the product complies with the fore mentioned standards.

## 2 DEVICE UNDER TEST

| Device Under Test              |                                  |
|--------------------------------|----------------------------------|
| Device Type                    | COMOSAR 900 MHz REFERENCE DIPOLE |
| Manufacturer                   | MVG                              |
| Model                          | SID900                           |
| Serial Number                  | SN 1811-DIP0G900-151             |
| Product Condition (new / used) | Used                             |

## 3 PRODUCT DESCRIPTION

### 3.1 GENERAL INFORMATION

MVG's COMOSAR Validation Dipoles are built in accordance to the IEC/IEEE 62209-1528 and FCC KDB865664 D01 standards. The product is designed for use with the COMOSAR test bench only, however, being built in accordance to relevant standards, it can be used in others SAR test benches as long as the final user take care that the prescribed S11 and SAR target value are met.



**Figure 1** – MVG COMOSAR Validation Dipole

## 4 MEASUREMENT METHOD

### 4.1 MECHANICAL REQUIREMENTS

The IEC/IEEE 62209-1528 and FCC KDB865664 D01 standards specify the mechanical components and dimensions of the validation dipoles, with the dimension's frequency and phantom shell thickness dependent. The COMOSAR test bench employs a 2 mm phantom shell thickness therefore

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## SAR REFERENCE DIPOLE CALIBRATION REPORT

Ref: ACR.100.6.26.PAR.A

the dipoles sold for use with the COMOSAR test bench comply with the requirements set forth for a 2 mm phantom shell thickness. A direct method is used with a ISO17025 calibrated caliper.

### 4.2 S11 PARAMETER REQUIREMENTS

The dipole used for SAR system validation measurements and checks must have a S11 of -20 dB or better. The S11 measurement shall be performed against a liquid filled flat phantom and using a prescribed spacer, with the phantom constructed as outlined in the fore mentioned standards. A direct method is used with a network analyser and its calibration kit, both with a valid ISO17025 calibration.

### 4.3 SAR REQUIREMENTS

The IEC/IEEE 62209-1528 and FCC KDB865664 D01 standards provide requirements for reference dipoles used for system validation measurements. The following measurements were performed to verify that the product complies with the fore-mentioned standards.

## 5 MEASUREMENT UNCERTAINTY

### 5.1 MECHANICAL DIMENSIONS

For the measurement in the range 0-300mm, the estimated expanded uncertainty (k=2) in calibration for the dimension measurement in mm is +/-0.20 mm with respect to measurement conditions.

For the measurement in the range 300-450mm, the estimated expanded uncertainty (k=2) in calibration for the dimension measurement in mm is +/-0.44 mm with respect to measurement conditions.

### 5.2 S11 PARAMETER

The estimated expanded uncertainty (k=2) in calibration for the S11 parameter in linear is +/-0.08 with respect to measurement conditions.

### 5.3 SAR

The guidelines outlined in the IEC/IEEE 62209-1528 and FCC KDB865664 D01 standards were followed to generate the measurement uncertainty for validation measurements.

The estimated expanded uncertainty (k=2) in calibration for the 1g and 10g SAR measurement in W/kg is +/-19% with respect to measurement conditions.

## 6 CALIBRATION RESULTS

### 6.1 MECHANICAL DIMENSIONS

| L mm     |               | h mm     |              | d mm     |             |
|----------|---------------|----------|--------------|----------|-------------|
| Measured | Required      | Measured | Required     | Measured | Required    |
| -        | 149.00 +/- 2% | -        | 83.30 +/- 2% | -        | 3.60 +/- 2% |

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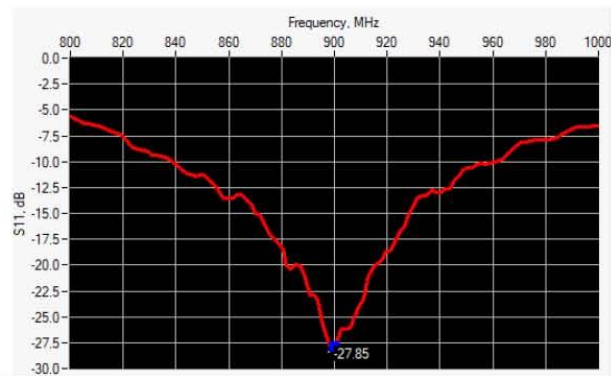


## SAR REFERENCE DIPOLE CALIBRATION REPORT

Ref: ACR.100.6.26.PAR.A

### 6.2 S11 PARAMETER

#### 6.2.1 S11 parameter in Head Liquid



| Frequency (MHz) | S11 parameter (dB) | Requirement (dB) | Impedance                 |
|-----------------|--------------------|------------------|---------------------------|
| 900             | -27.85             | -20              | $51.1\Omega + 3.5j\Omega$ |

### 6.3 SAR

The IEC/IEEE 62209-1528 and FCC KDB865664 D01 standards state that the system validation measurements must be performed using a reference dipole meeting the fore mentioned return loss and mechanical dimension requirements. The validation measurement must be performed against a liquid filled flat phantom, with the phantom constructed as outlined in the fore mentioned standards. Per the standards, the dipole shall be positioned below the bottom of the phantom, with the dipole length centered and parallel to the longest dimension of the flat phantom, with the top surface of the dipole at the described distance from the bottom surface of the phantom by using a prescribed spacer.

#### 6.3.1 SAR with Head Liquid

The IEC/IEEE 62209-1528 and FCC KDB865664 D01 standards state that the system validation measurements should produce the SAR values shown below (for phantom thickness of 2 mm), within the uncertainty for the system validation. All SAR values are normalized to 1 W forward power. In bracket, the measured SAR is given with the used input power.

|                                           |                                                             |
|-------------------------------------------|-------------------------------------------------------------|
| Software                                  | OPENSAR V5                                                  |
| Phantom                                   | SN 13/09 SAM68                                              |
| Probe                                     | 4424-EPGO-443                                               |
| Liquid                                    | Head Liquid Values: $\epsilon_{ps}'$ : 44.2 $\sigma$ : 0.92 |
| Distance between dipole center and liquid | 15.0 mm                                                     |
| Area scan resolution                      | $dx=8mm/dy=8mm$                                             |
| Zoon Scan Resolution                      | $dx=8mm/dy=8mm/dz=5mm$                                      |
| Frequency                                 | 900 MHz                                                     |
| Input power                               | 20 dBm                                                      |
| Liquid Temperature                        | 20 +/- 1 °C                                                 |
| Lab Temperature                           | 20 +/- 1 °C                                                 |
| Lab Humidity                              | 30-70 %                                                     |

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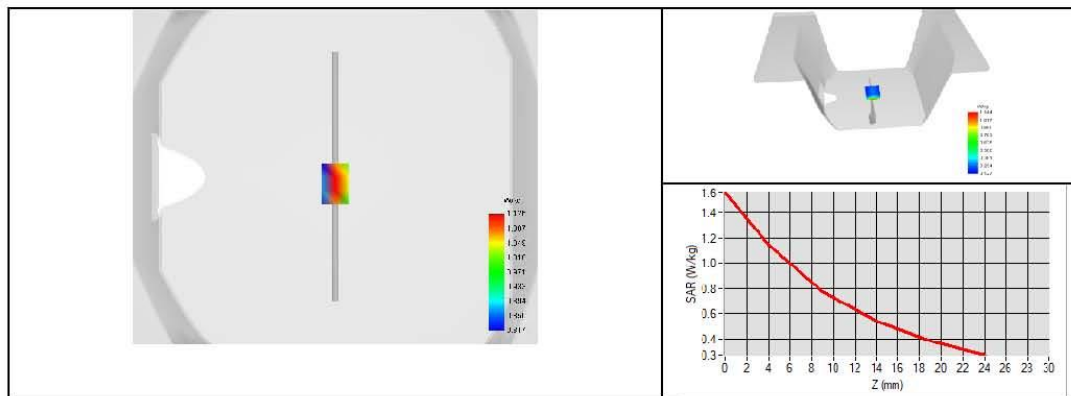
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| Frequency | 1g SAR (W/kg) |                           |                         | 10g SAR (W/kg) |                           |                         |
|-----------|---------------|---------------------------|-------------------------|----------------|---------------------------|-------------------------|
|           | Measured      | Measured normalized to 1W | Target normalized to 1W | Measured       | Measured normalized to 1W | Target normalized to 1W |
| 900 MHz   | 1.08          | 10.76                     | 10.90                   | 0.70           | 6.96                      | 6.99                    |



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**SAR REFERENCE DIPOLE CALIBRATION REPORT**

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**7 LIST OF EQUIPMENT**

| Equipment Summary Sheet            |                      |                        |                                               |                                               |
|------------------------------------|----------------------|------------------------|-----------------------------------------------|-----------------------------------------------|
| Equipment Description              | Manufacturer / Model | Identification No.     | Current Calibration Date                      | Next Calibration Date                         |
| SAM Phantom                        | MVG                  | SN 13/09 SAM68         | Validated. No cal required.                   | Validated. No cal required.                   |
| COMOSAR Test Bench                 | Version 3            | NA                     | Validated. No cal required.                   | Validated. No cal required.                   |
| Network Analyzer                   | Rohde & Schwarz ZND  | 1328.5170K92-100497-KX | 12/2025                                       | 08/2028                                       |
| Network Analyzer – Calibration kit | Keysight 85052D      | 85052D MY61410029      | 06/2024                                       | 06/2027                                       |
| Calipers                           | Mitutoyo             | SN 0009732             | 11/2022                                       | 11/2026                                       |
| Reference Probe                    | MVG                  | 4424-EPGO-443          | 05/2025                                       | 05/2026                                       |
| Multimeter                         | Keithley 2000        | 4013982                | 02/2023                                       | 02/2027                                       |
| Signal Generator                   | Rohde & Schwarz SMB  | 183277                 | 05/2022                                       | 05/2027                                       |
| Amplifier                          | MVG                  | MODU-023-C-0002        | Characterized prior to test. No cal required. | Characterized prior to test. No cal required. |
| Power Meter                        | NI-USB 5680          | 170100013              | 01/2026                                       | 01/2029                                       |
| USB Sensor                         | Keysight U2000A      | SN: MY62340002         | 10/2024                                       | 10/2027                                       |
| Directional Coupler                | Krytar 158020        | 131467                 | Characterized prior to test. No cal required. | Characterized prior to test. No cal required. |
| Temperature / Humidity Sensor      | Testo 184 H1         | 44235403               | 10/2024                                       | 10/2027                                       |

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## SAR Reference Dipole Calibration Report

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**GUANGDONG ASIA HONGKE TEST  
TECHNOLOGY CO.,LTD**  
**NO. B1/F, BUILDING 11, JUNTENG INDUSTRIAL PARCK,  
CHONGQING ROAD,HEPING COMMUNITY, FUHAI  
STREET,**  
**MVG COMOSAR REFERENCE DIPOLE**  
**FREQUENCY: 1800 MHZ**  
**SERIAL NO.: 1811-DIP1G800-152**

**Calibrated at MVG**  
**13 Rue du Zephyr**  
**91140 Villejust - FRANCE**  
**Calibration date: 03/31/2026**



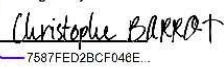
### *Summary:*

This document presents the method and results from an accredited SAR reference dipole calibration performed in MVG using the COMOSAR test bench. All calibration results are traceable to national metrology institutions.

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**SAR REFERENCE DIPOLE CALIBRATION REPORT**

Ref: ACR.100.7.26.PAR.A

|                                   | <i>Name</i>       | <i>Function</i>   | <i>Date</i>   | <i>Signature</i>                                                                                                       |
|-----------------------------------|-------------------|-------------------|---------------|------------------------------------------------------------------------------------------------------------------------|
| <i>Prepared by :</i>              | Pedro Ruiz        | Technical Manager | 4/10/2026     |                                     |
| <i>Checked &amp; approved by:</i> | Pedro Ruiz        | Technical Manager | 4/10/2026     |                                     |
| <i>Authorized by:</i>             | Christophe Barrot | Quality Manager   | 2026 April 13 | <div> <div>Signed by:</div>  </div> |

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|                       | <i>Customer Name</i>                                |
|-----------------------|-----------------------------------------------------|
| <i>Distribution :</i> | Guangdong Asia<br>Hongke Test<br>Technology Co.,Ltd |

| <i>Issue</i> | <i>Name</i> | <i>Date</i> | <i>Modifications</i> |
|--------------|-------------|-------------|----------------------|
| A            | Pedro Ruiz  | 4/10/2026   | Initial release      |
|              |             |             |                      |
|              |             |             |                      |
|              |             |             |                      |

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## SAR REFERENCE DIPOLE CALIBRATION REPORT

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