

| Band                     | Test Position | RB allocation | Scaled       |              |              |           | $\Sigma$ SAR (W/kg) WWAN + WIFI 2.4G | $\Sigma$ SAR (W/kg) WWAN + WIFI 5G | $\Sigma$ SAR (W/kg) WWAN + BT | SPLSR | Remark |
|--------------------------|---------------|---------------|--------------|--------------|--------------|-----------|--------------------------------------|------------------------------------|-------------------------------|-------|--------|
|                          |               |               | WWAN         | WIFI 2.4G    | WIFI 5G      | Bluetooth |                                      |                                    |                               |       |        |
| LTE Band 12 QPSK (10MHz) | Front         | 1             | 0.065        | 0.023        | 0.242        | 0.093     | 0.088                                | 0.307                              | 0.158                         | N/A   | N/A    |
|                          |               | 25            | 0.063        | 0.023        | 0.242        | 0.093     | 0.086                                | 0.305                              | 0.156                         | N/A   | N/A    |
|                          | Back          | 1             | <b>0.130</b> | <b>0.064</b> | <b>0.250</b> | 0.093     | 0.194                                | 0.380                              | 0.223                         | N/A   | N/A    |
|                          |               | 25            | 0.115        | <b>0.064</b> | <b>0.250</b> | 0.093     | 0.179                                | 0.365                              | 0.208                         | N/A   | N/A    |
|                          | Left          | 1             | 0.084        | /            | /            | /         | 0.084                                | 0.084                              | 0.084                         | N/A   | N/A    |
|                          |               | 25            | 0.073        | /            | /            | /         | 0.073                                | 0.073                              | 0.073                         | N/A   | N/A    |
|                          | Right         | 1             | 0.144        | 0.019        | 0.120        | 0.093     | 0.163                                | 0.264                              | 0.237                         | N/A   | N/A    |
|                          |               | 25            | 0.136        | 0.019        | 0.120        | 0.093     | 0.155                                | 0.256                              | 0.229                         | N/A   | N/A    |
|                          | Top           | 1             | /            | 0.022        | 0.103        | 0.093     | 0.022                                | 0.103                              | 0.093                         | N/A   | N/A    |
|                          |               | 25            | /            | 0.022        | 0.103        | 0.093     | 0.022                                | 0.103                              | 0.093                         | N/A   | N/A    |
|                          | Bottom        | 1             | 0.082        | /            | /            | /         | 0.082                                | 0.082                              | 0.082                         | N/A   | N/A    |
|                          |               | 25            | 0.080        | /            | /            | /         | 0.080                                | 0.080                              | 0.080                         | N/A   | N/A    |
| LTE Band 17 QPSK (10MHz) | Front         | 1             | 0.068        | 0.023        | 0.242        | 0.093     | 0.091                                | 0.310                              | 0.161                         | N/A   | N/A    |
|                          |               | 25            | 0.069        | 0.023        | 0.242        | 0.093     | 0.092                                | 0.311                              | 0.162                         | N/A   | N/A    |
|                          | Back          | 1             | <b>0.142</b> | <b>0.064</b> | <b>0.250</b> | 0.093     | 0.206                                | 0.392                              | 0.235                         | N/A   | N/A    |
|                          |               | 25            | 0.134        | <b>0.064</b> | <b>0.250</b> | 0.093     | 0.198                                | 0.384                              | 0.227                         | N/A   | N/A    |
|                          | Left          | 1             | 0.087        | /            | /            | /         | 0.087                                | 0.087                              | 0.087                         | N/A   | N/A    |
|                          |               | 25            | 0.081        | /            | /            | /         | 0.081                                | 0.081                              | 0.081                         | N/A   | N/A    |
|                          | Right         | 1             | 0.147        | 0.019        | 0.120        | 0.093     | 0.166                                | 0.267                              | 0.240                         | N/A   | N/A    |
|                          |               | 25            | 0.148        | 0.019        | 0.120        | 0.093     | 0.167                                | 0.268                              | 0.241                         | N/A   | N/A    |
|                          | Top           | 1             | /            | 0.022        | 0.103        | 0.093     | 0.022                                | 0.103                              | 0.093                         | N/A   | N/A    |
|                          |               | 25            | /            | 0.022        | 0.103        | 0.093     | 0.022                                | 0.103                              | 0.093                         | N/A   | N/A    |
|                          | Bottom        | 1             | 0.087        | /            | /            | /         | 0.087                                | 0.087                              | 0.087                         | N/A   | N/A    |
|                          |               | 25            | 0.092        | /            | /            | /         | 0.092                                | 0.092                              | 0.092                         | N/A   | N/A    |
| LTE Band 66 QPSK (20MHz) | Front         | 1             | 0.197        | 0.023        | 0.242        | 0.093     | 0.220                                | 0.439                              | 0.290                         | N/A   | N/A    |
|                          |               | 50            | 0.186        | 0.023        | 0.242        | 0.093     | 0.209                                | 0.428                              | 0.279                         | N/A   | N/A    |
|                          | Back          | 1             | <b>0.540</b> | <b>0.064</b> | <b>0.250</b> | 0.093     | 0.604                                | 0.790                              | 0.633                         | N/A   | N/A    |
|                          |               | 50            | 0.434        | <b>0.064</b> | <b>0.250</b> | 0.093     | 0.498                                | 0.684                              | 0.527                         | N/A   | N/A    |
|                          | Left          | 1             | 0.116        | /            | /            | /         | 0.116                                | 0.116                              | 0.116                         | N/A   | N/A    |
|                          |               | 50            | 0.116        | /            | /            | /         | 0.116                                | 0.116                              | 0.116                         | N/A   | N/A    |
|                          | Right         | 1             | 0.060        | 0.019        | 0.120        | 0.093     | 0.079                                | 0.180                              | 0.153                         | N/A   | N/A    |
|                          |               | 50            | 0.056        | 0.019        | 0.120        | 0.093     | 0.075                                | 0.176                              | 0.149                         | N/A   | N/A    |
|                          | Top           | 1             | /            | 0.022        | 0.103        | 0.093     | 0.022                                | 0.103                              | 0.093                         | N/A   | N/A    |
|                          |               | 50            | /            | 0.022        | 0.103        | 0.093     | 0.022                                | 0.103                              | 0.093                         | N/A   | N/A    |
|                          | Bottom        | 1             | 0.420        | /            | /            | /         | 0.420                                | 0.420                              | 0.420                         | N/A   | N/A    |
|                          |               | 50            | 0.361        | /            | /            | /         | 0.361                                | 0.361                              | 0.361                         | N/A   | N/A    |

### Simultaneous Transmission Conclusion

The above numerical summed SAR results for all the case simultaneous transmission conditions were below the SAR limit. Therefore, the above analysis is sufficient to determine that simultaneous transmission cases will not exceed the SAR limit and therefore measured volumetric simultaneous SAR summation is not required per FCC KDB Publication 447498 D01v05r02.

## 10.4. Measurement Uncertainty (450MHz-3GHz)

### UNCERTAINTY EVALUATION FOR HEADSET SAR

| Uncertainty Component                                                          | Description            | Uncertainty Value(%) | Probably Distribution | Div.       | (Ci)<br>1g      | (Ci)<br>10g     | Std. Unc.<br>1g(%) | Std. Unc.<br>10g(%) | v |
|--------------------------------------------------------------------------------|------------------------|----------------------|-----------------------|------------|-----------------|-----------------|--------------------|---------------------|---|
| <b>Measurement system</b>                                                      |                        |                      |                       |            |                 |                 |                    |                     |   |
| Probe calibration                                                              | 7.2.1                  | 5.8                  | N                     | 1          | 1               | 1               | 5.8                | 5.8                 | ∞ |
| Axial isotropy                                                                 | 7.2.1.1                | 3.5                  | R                     | $\sqrt{3}$ | $(1-C_p)^{1/2}$ | $(1-C_p)^{1/2}$ | 1.43               | 1.43                | ∞ |
| Hemispherical isotropy                                                         | 7.2.1.1                | 5.9                  | R                     | $\sqrt{3}$ | $\sqrt{C_p}$    | $\sqrt{C_p}$    | 2.41               | 2.41                | ∞ |
| Boundary Effects                                                               | 7.2.1.4                | 1.00                 | R                     | $\sqrt{3}$ | 1               | 1               | 0.58               | 0.58                | ∞ |
| Linearity                                                                      | 7.2.1.2                | 4.70                 | R                     | $\sqrt{3}$ | 1               | 1               | 2.71               | 2.71                | ∞ |
| System detection limits                                                        | 7.2.1.2                | 1                    | R                     | $\sqrt{3}$ | 1               | 1               | 0.58               | 0.58                | ∞ |
| Modulation Response                                                            | 7.2.1.3                | 3                    | N                     | 1          | 1               | 1               | 3.00               | 3.00                | ∞ |
| Readout Electronics                                                            | 7.2.1.5                | 0.5                  | N                     | 1          | 1               | 1               | 0.50               | 0.50                | ∞ |
| Response Time                                                                  | 7.2.1.6                | 0                    | R                     | $\sqrt{3}$ | 1               | 1               | 0.00               | 0.00                | ∞ |
| Integration Time                                                               | 7.2.1.7                | 1.4                  | R                     | $\sqrt{3}$ | 1               | 1               | 0.81               | 0.81                | ∞ |
| RF Ambient Conditions-Noise                                                    | 7.2.3.7                | 3                    | R                     | $\sqrt{3}$ | 1               | 1               | 1.73               | 1.73                | ∞ |
| RF Ambient Conditions-Reflection                                               | 7.2.3.7                | 3                    | R                     | $\sqrt{3}$ | 1               | 1               | 1.73               | 1.73                | ∞ |
| Probe positioned mechanical Tolerance                                          | 7.2.2.1                | 1.4                  | R                     | $\sqrt{3}$ | 1               | 1               | 0.81               | 0.81                | ∞ |
| Probe positioning with respect to phantom shell                                | 7.2.2.3                | 1.4                  | R                     | $\sqrt{3}$ | 1               | 1               | 0.81               | 0.81                | ∞ |
| Extrapolation interpolation and integration algorithms for Max.SAR evaluation  | 7.2.4                  | 2.3                  | R                     | 1          | 1               | 1               | 1.33               | 1.33                | ∞ |
| <b>Test sample related</b>                                                     |                        |                      |                       |            |                 |                 |                    |                     |   |
| Test sample positioning                                                        | 7.2.2.4.4              | 2.6                  | N                     | 1          | 1               | 1               | 2.60               | 2.60                | ∞ |
| Device holder uncertainty                                                      | 7.2.2.4.2<br>7.2.2.4.3 | 3                    | N                     | 1          | 1               | 1               | 3.00               | 3.00                | ∞ |
| output power variation-SAR drift measurement                                   | 7.2.3.6                | 5                    | R                     | $\sqrt{3}$ | 1               | 1               | 2.89               | 2.89                | ∞ |
| SAR scaling                                                                    | 7.2.5                  | 2                    | R                     | $\sqrt{3}$ | 1               | 1               | 1.15               | 1.15                | ∞ |
| <b>Phantom and tissue parameters</b>                                           |                        |                      |                       |            |                 |                 |                    |                     |   |
| Phantom uncertainty (shape and thickness tolerances)                           | 7.2.2.2                | 4                    | R                     | $\sqrt{3}$ | 1               | 1               | 2.31               | 2.31                | ∞ |
| uncertainty in SAR correction for deviation (in permittivity and conductivity) | 7.2.6                  | 2                    | N                     | 1          | 1               | 0.84            | 2.00               | 1.68                | ∞ |
| Liquid conductivity (temperature uncertainty)                                  | 7.2.3.5                | 2.5                  | N                     | 1          | 0.78            | 0.71            | 1.95               | 1.78                | ∞ |
| Liquid conductivity -measurement uncertainty                                   | 7.2.3.3                | 4                    | N                     | 1          | 0.23            | 0.26            | 0.92               | 1.04                | ∞ |
| Liquid permittivity (temperature uncertainty)                                  | 7.2.3.5                | 2.5                  | N                     | 1          | 0.78            | 0.71            | 1.95               | 1.78                | ∞ |
| Liquid permittivity measurement uncertainty                                    | 7.2.3.4                | 5                    | N                     | 1          | 0.23            | 0.26            | 1.15               | 1.30                | ∞ |
| Combined standard uncertainty                                                  |                        |                      | RSS                   |            |                 |                 | 10.83              | 10.54               |   |
| Expanded uncertainty (95%CONFIDENCEINTERVAL)                                   |                        |                      | k                     |            |                 |                 | 21.26              | 21.08               |   |

**UNCERTAINTY FOR PERFORMANCE CHECK**

| Uncertainty Component                                                          | Description | Uncertainty Value(%) | Probably Distribution | Div.       | (Ci) 1g         | (Ci) 10g        | Std. Unc. 1g(%) | Std. Unc. 10g(%) | v |
|--------------------------------------------------------------------------------|-------------|----------------------|-----------------------|------------|-----------------|-----------------|-----------------|------------------|---|
| <b>Measurement system</b>                                                      |             |                      |                       |            |                 |                 |                 |                  |   |
| Probe calibration                                                              | 7.2.1       | 5.8                  | N                     | 1          | 1               | 1               | 5.8             | 5.8              | ∞ |
| Axial isotropy                                                                 | 7.2.1.1     | 3.5                  | R                     | $\sqrt{3}$ | $(1-C_p)^{1/2}$ | $(1-C_p)^{1/2}$ | 1.43            | 1.43             | ∞ |
| Hemispherical isotropy                                                         | 7.2.1.1     | 5.9                  | R                     | $\sqrt{3}$ | $\sqrt{C_p}$    | $\sqrt{C_p}$    | 2.41            | 2.41             | ∞ |
| Boundary Effects                                                               | 7.2.1.4     | 1.00                 | R                     | $\sqrt{3}$ | 1               | 1               | 0.58            | 0.58             | ∞ |
| Linearity                                                                      | 7.2.1.2     | 4.70                 | R                     | $\sqrt{3}$ | 1               | 1               | 2.71            | 2.71             | ∞ |
| System detection limits                                                        | 7.2.1.2     | 1                    | R                     | $\sqrt{3}$ | 1               | 1               | 0.58            | 0.58             | ∞ |
| Modulation Response                                                            | 7.2.1.3     | 3                    | N                     | 1          | 1               | 1               | 0.00            | 0.00             | ∞ |
| Readout Electronics                                                            | 7.2.1.5     | 0.5                  | N                     | 1          | 1               | 1               | 0.50            | 0.50             | ∞ |
| Response Time                                                                  | 7.2.1.6     | 0                    | R                     | $\sqrt{3}$ | 1               | 1               | 0.00            | 0.00             | ∞ |
| Integration Time                                                               | 7.2.1.7     | 1.4                  | R                     | $\sqrt{3}$ | 1               | 1               | 0.81            | 0.81             | ∞ |
| RF Ambient Conditions-Noise                                                    | 7.2.3.7     | 3                    | R                     | $\sqrt{3}$ | 1               | 1               | 1.73            | 1.73             | ∞ |
| RF Ambient Conditions-Reflection                                               | 7.2.3.7     | 3                    | R                     | $\sqrt{3}$ | 1               | 1               | 1.73            | 1.73             | ∞ |
| Probe positioned mechanical Tolerance                                          | 7.2.2.1     | 1.4                  | R                     | $\sqrt{3}$ | 1               | 1               | 0.81            | 0.81             | ∞ |
| Probe positioning with respect to phantom shell                                | 7.2.2.3     | 1.4                  | R                     | $\sqrt{3}$ | 1               | 1               | 0.81            | 0.81             | ∞ |
| Extrapolation interpolation and integration algorithms for Max.SAR evaluation  | 7.2.4       | 2.3                  | R                     | 1          | 1               | 1               | 1.33            | 1.33             | ∞ |
| <b>Dipole</b>                                                                  |             |                      |                       |            |                 |                 |                 |                  |   |
| Deviation of experimental source from numerical source                         |             | 4                    | N                     | 1          | 1               | 1               | 4.00            | 4.00             | ∞ |
| Input power and SAR drift measurement                                          | 7.2.3.6     | 5                    | R                     | $\sqrt{3}$ | 1               | 1               | 2.89            | 2.89             | ∞ |
| Dipole axis to liquid distance                                                 |             | 2                    | R                     | $\sqrt{3}$ | 1               | 1               |                 |                  | ∞ |
| <b>Phantom and tissue parameters</b>                                           |             |                      |                       |            |                 |                 |                 |                  |   |
| Phantom uncertainty (shape and thickness tolerances)                           | 7.2.2.2     | 4                    | R                     | $\sqrt{3}$ | 1               | 1               | 2.31            | 2.31             | ∞ |
| uncertainty in SAR correction for deviation (in permittivity and conductivity) | 7.2.6       | 2                    | N                     | 1          | 1               | 0.84            | 2.00            | 1.68             | ∞ |
| Liquid conductivity (temperature uncertainty)                                  | 7.2.3.5     | 2.5                  | N                     | 1          | 0.78            | 0.71            | 1.95            | 1.78             | ∞ |
| Liquid conductivity -measurement uncertainty                                   | 7.2.3.3     | 4                    | N                     | 1          | 0.23            | 0.26            | 0.92            | 1.04             | ∞ |
| Liquid permittivity (temperature uncertainty)                                  | 7.2.3.5     | 2.5                  | N                     | 1          | 0.78            | 0.71            | 1.95            | 1.78             | ∞ |
| Liquid permittivity measurement uncertainty                                    | 7.2.3.4     | 5                    | N                     | 1          | 0.23            | 0.26            | 1.15            | 1.30             | ∞ |
| Combined standard uncertainty                                                  |             |                      | RSS                   |            |                 |                 | 10.15           | 10.05            |   |
| Expanded uncertainty (95%CONFIDENCEINTERVAL)                                   |             |                      | k                     |            |                 |                 | 20.29           | 20.10            |   |

## 10.5. Test Equipment List

| Test Equipment                      | Manufacturer | Model           | Serial Number             | Calibration              |                         |
|-------------------------------------|--------------|-----------------|---------------------------|--------------------------|-------------------------|
|                                     |              |                 |                           | Calibration Date (D.M.Y) | Calibration Due (D.M.Y) |
| PC                                  | Lenovo       | H3050           | N/A                       | N/A                      | N/A                     |
| Signal Generator                    | Agilent      | N5182A          | MY47070282                | Jun. 08, 2022            | Jun. 07, 2023           |
| Multimeter                          | Keithley     | Multimeter 2000 | 4078275                   | Jun. 08, 2022            | Jun. 07, 2023           |
| Network Analyzer                    | Agilent      | 8753E           | US38432457                | Jun. 08, 2022            | Jun. 07, 2023           |
| Wireless Communication Test Set     | R & S        | CMU200          | 111382                    | Jun. 08, 2022            | Jun. 07, 2023           |
| Wideband Radio Communication Tester | R&S          | CMW500          | 114220                    | Jun. 08, 2022            | Jun. 07, 2023           |
| Power Meter                         | Agilent      | E4418B          | GB43312526                | Jun. 08, 2022            | Jun. 07, 2023           |
| Power Meter                         | Agilent      | E4416A          | MY45101555                | Jun. 08, 2022            | Jun. 07, 2023           |
| Power Meter                         | Agilent      | N1912A          | MY50001018                | Jun. 08, 2022            | Jun. 07, 2023           |
| Power Sensor                        | Agilent      | E9301A          | MY41497725                | Jun. 08, 2022            | Jun. 07, 2023           |
| Power Sensor                        | Agilent      | E9327A          | MY44421198                | Jun. 08, 2022            | Jun. 07, 2023           |
| Power Sensor                        | Agilent      | E9323A          | MY53070005                | Jun. 08, 2022            | Jun. 07, 2023           |
| Power Amplifier                     | PE           | PE15A4019       | 112342                    | N/A                      | N/A                     |
| Directional Coupler                 | Agilent      | 722D            | MY52180104                | N/A                      | N/A                     |
| Attenuator                          | Chensheng    | FF779           | 134251                    | N/A                      | N/A                     |
| E-Field PROBE                       | MVG          | SSE2            | SN 36/20<br>EPGO346       | Oct. 08, 2022            | Oct. 07, 2023           |
| DIPOLE 750                          | MVG          | SID750          | SN 16/15 DIP<br>0G750-368 | Jun. 05, 2021            | Jun. 04, 2024           |
| DIPOLE 835                          | MVG          | SID835          | SN 16/15 DIP<br>0G835-369 | Jun. 05, 2022            | Jun. 04, 2023           |
| DIPOLE 1800                         | MVG          | SID 1800        | SN 16/15 DIP<br>1G800-371 | Jun. 05, 2022            | Jun. 04, 2023           |
| DIPOLE 1900                         | MVG          | SID1900         | SN 16/15 DIP<br>1G900-372 | Jun. 05, 2022            | Jun. 04, 2023           |
| DIPOLE 2450                         | MVG          | SID 2450        | SN 16/15 DIP<br>2G450-374 | Jun. 05, 2022            | Jun. 04, 2023           |
| DIPOLE 2600                         | MVG          | SID 2600        | SN 16/15 DIP<br>2G600-375 | Jun. 05, 2022            | Jun. 04, 2023           |
| DIPOLE 5200-5800                    | MVG          | SID 5000        | SN 13/14<br>WGA32         | May 15, 2022             | May 14, 2023            |
| Limesar Dielectric Probe            | MVG          | SCLMP           | SN 19/15<br>OCPG71        | Jun. 05, 2022            | Jun. 04, 2023           |
| Communication Antenna               | MVG          | ANTA59          | SN 39/14<br>ANTA59        | N/A                      | N/A                     |
| Mobile Phone Position Device        | MVG          | MSH101          | SN 19/15<br>MSH101        | N/A                      | N/A                     |
| Dummy Probe                         | MVG          | DP66            | SN 13/15 DP66             | N/A                      | N/A                     |
| SAM PHANTOM                         | MVG          | SAM120          | SN 19/15<br>SAM120        | N/A                      | N/A                     |
| PHANTOM TABLE                       | MVG          | TABP101         | SN 19/15<br>TABP101       | N/A                      | N/A                     |
| Robot TABLE                         | MVG          | TABP61          | SN 19/15<br>TABP61        | N/A                      | N/A                     |
| 6 AXIS ROBOT                        | KUKA         | KR6-R900        | 501822                    | N/A                      | N/A                     |

**Note:** 1. N/A means this equipment no need to calibrate

2. Each Time means this device need to calibrate every use time

3. The dipole was not damaged properly repaired.

4. The measured SAR deviates from the calibrated SAR value by less than 10%

5. The most recent return-loss result meets the required 20 dB minimum return-loss requirement

6. The most recent measurement of the real or imaginary parts of the impedance deviates by less than 5  $\Omega$  from the previous measurement.

## 11. System Check Results

Date of measurement: 03/06/2023 Test mode: 750 (Body)

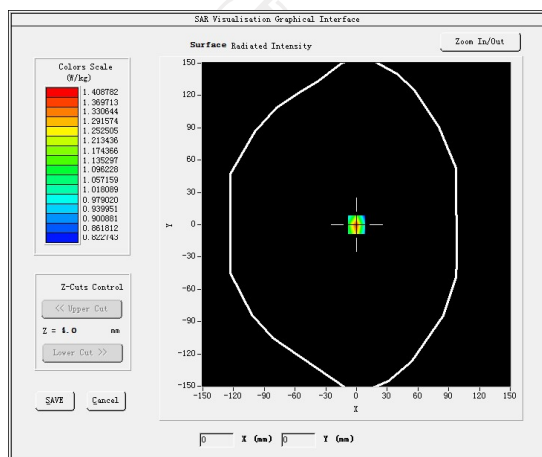
Product Description: Validation

Dipole Model: SID750

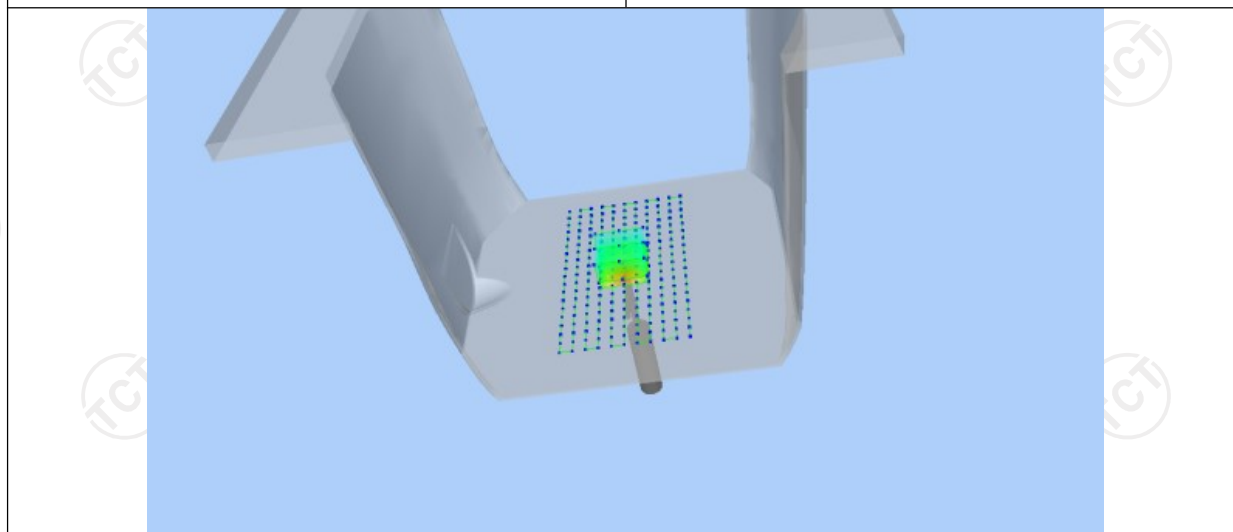
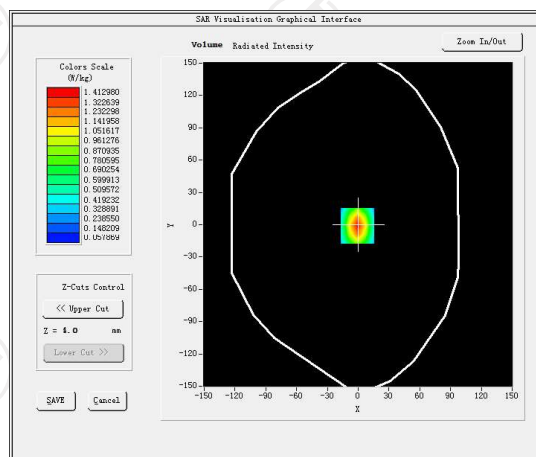
E-Field Probe: SSE2 (SN 36/20 EPGO346)

|                                        |                  |
|----------------------------------------|------------------|
| Phantom                                | Validation plane |
| Input Power                            | 100mW            |
| Crest Factor                           | 1.0              |
| Probe Conversion factor                | 1.78             |
| Frequency (MHz)                        | 750.000000       |
| Relative permittivity (real part)      | 56.121166        |
| Relative permittivity (imaginary part) | 20.148160        |
| Conductivity (S/m)                     | 0.921243         |
| Variation (%)                          | -0.150000        |
| SAR 10g (W/Kg)                         | 0.602014         |
| SAR 1g (W/Kg)                          | 0.872441         |

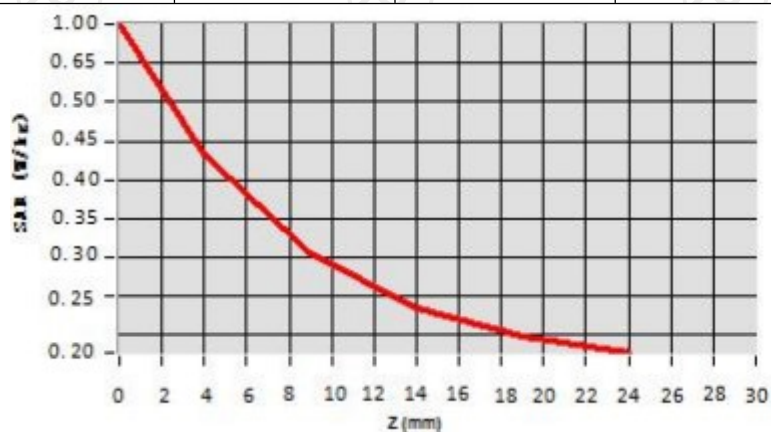
### SURFACE SAR



### VOLUME SAR



| Z (mm)     | 0.00  | 4.00   | 9.00   | 14.00  | 19.00  |
|------------|-------|--------|--------|--------|--------|
| SAR (W/Kg) | 1.014 | 0.4420 | 0.3029 | 0.2419 | 0.2240 |



Hot spot position



Date of measurement: 03/06/2023 Test mode: 835 (Body)

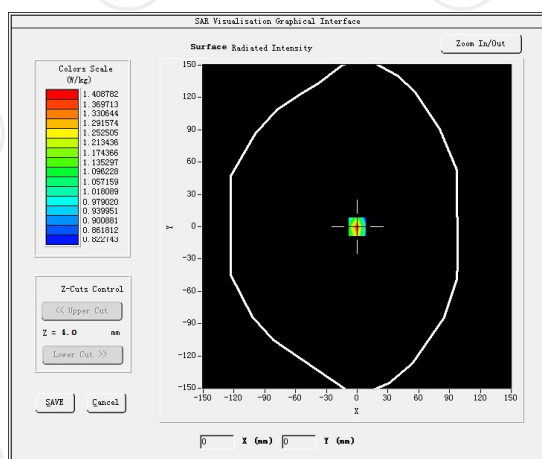
Product Description: Validation

Dipole Model: SID835

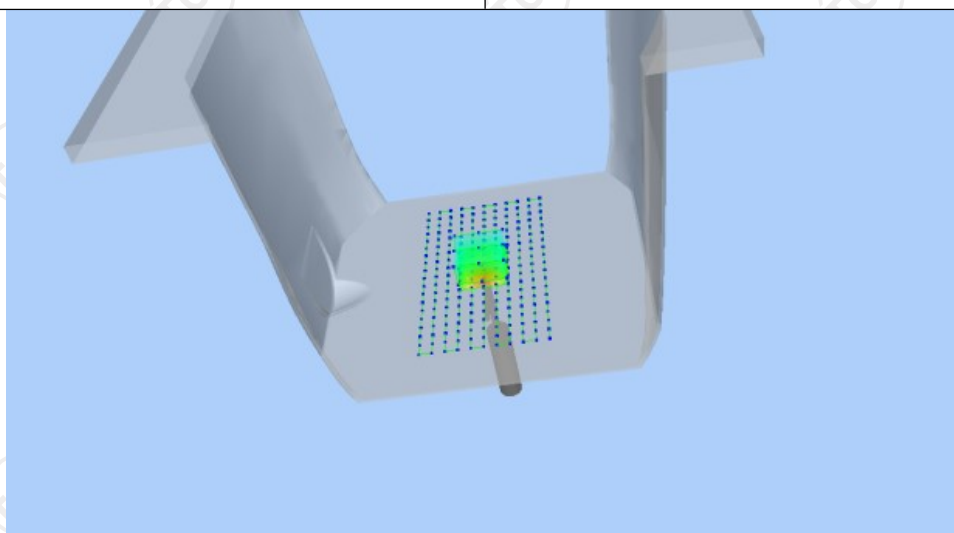
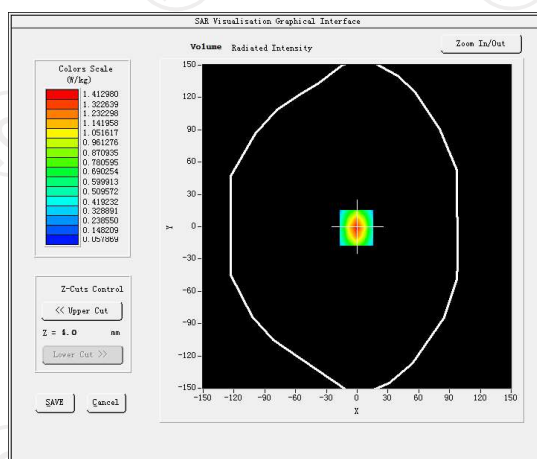
E-Field Probe: SSE2 (SN 36/20 EPGO346)

|                                        |                  |
|----------------------------------------|------------------|
| Phantom                                | Validation plane |
| Input Power                            | 100mW            |
| Crest Factor                           | 8.0              |
| Probe Conversion factor                | 1.86             |
| Frequency (MHz)                        | 835.000000       |
| Relative permittivity (real part)      | 55.242077        |
| Relative permittivity (imaginary part) | 21.378187        |
| Conductivity (S/m)                     | 0.938883         |
| Variation (%)                          | -0.150000        |
| <b>SAR 10g (W/Kg)</b>                  | <b>0.633123</b>  |
| <b>SAR 1g (W/Kg)</b>                   | <b>0.949446</b>  |

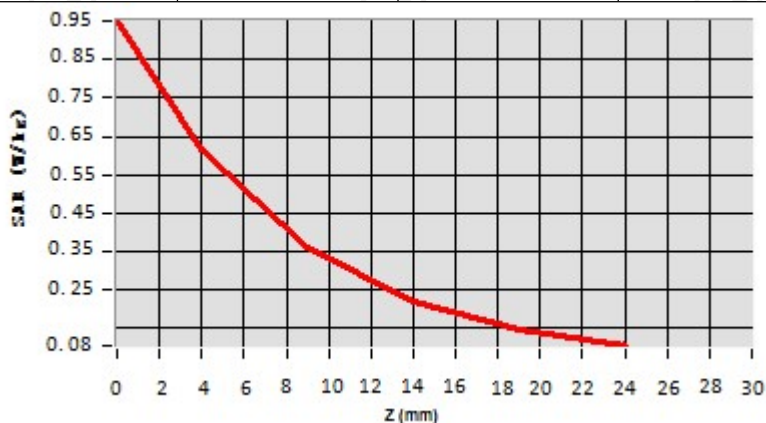
## SURFACE SAR



## VOLUME SAR



| Z (mm)     | 0.00   | 4.00   | 9.00   | 14.00  | 19.00  |
|------------|--------|--------|--------|--------|--------|
| SAR (W/Kg) | 0.9625 | 0.6022 | 0.3594 | 0.2202 | 0.0725 |



## Hot spot position



Date of measurement: 03/07/2023 Test mode: 1800MHz (Body)

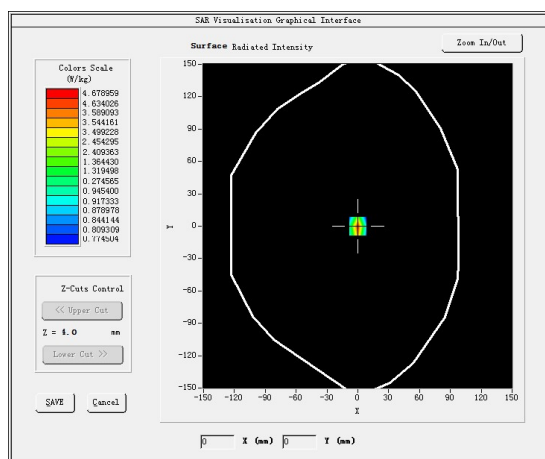
Product Description: Validation

Dipole Model: SID1800

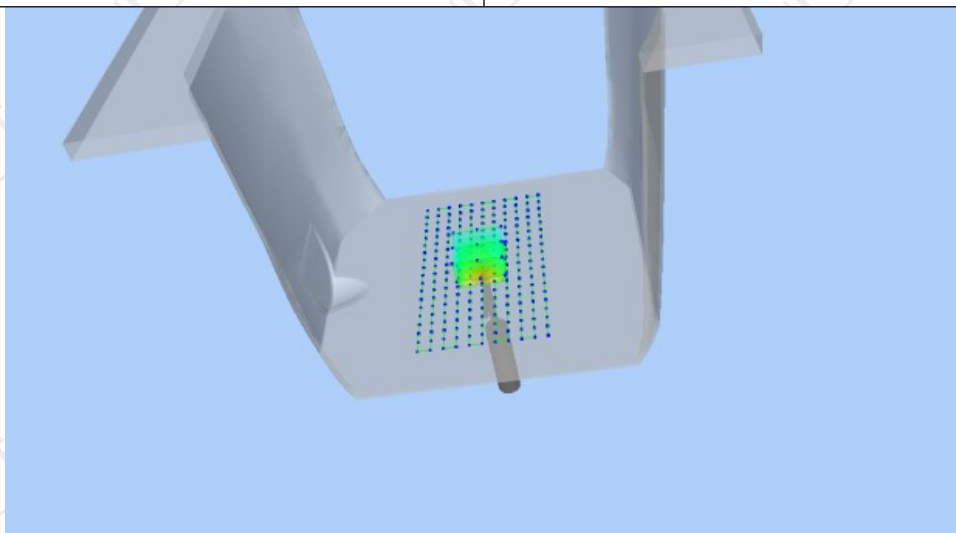
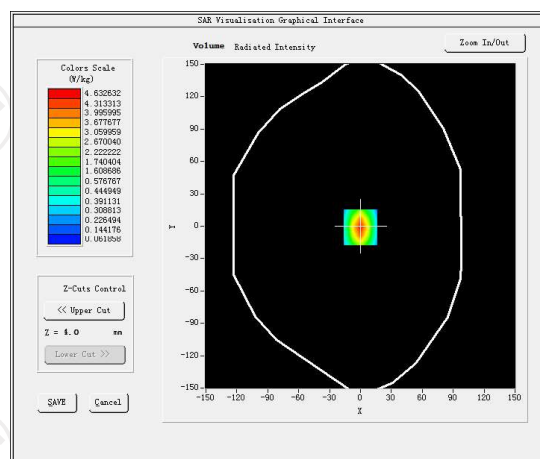
E-Field Probe: SSE2 (SN 36/20 EPG0346)

|                                        |                  |
|----------------------------------------|------------------|
| Phantom                                | Validation plane |
| Input Power                            | 100mW            |
| Crest Factor                           | 1.0              |
| Probe Conversion factor                | 2.16             |
| Frequency (MHz)                        | 1800.000000      |
| Relative permittivity (real part)      | 53.292699        |
| Relative permittivity (imaginary part) | 15.200000        |
| Conductivity (S/m)                     | 1.530000         |
| Variation (%)                          | 3.050000         |
| <b>SAR 10g (W/Kg)</b>                  | <b>2.053687</b>  |
| <b>SAR 1g (W/Kg)</b>                   | <b>3.782547</b>  |

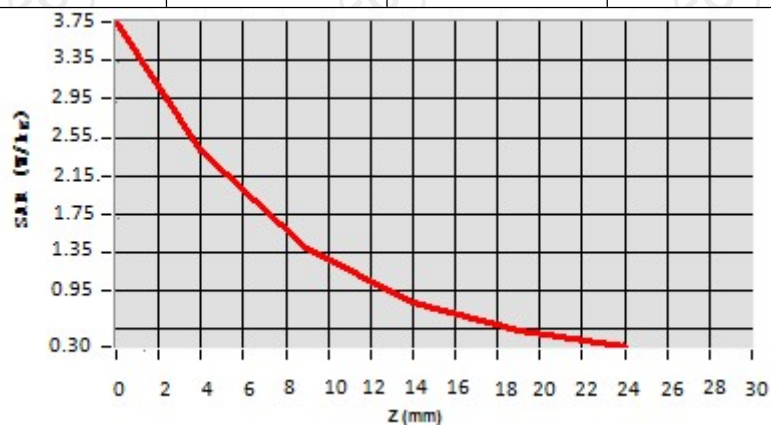
## SURFACE SAR



## VOLUME SAR



| Z (mm)     | 0.00   | 4.00   | 9.00   | 14.00  | 19.00  |
|------------|--------|--------|--------|--------|--------|
| SAR (W/Kg) | 3.7545 | 2.4524 | 1.3520 | 0.8214 | 0.5525 |



### Hot spot position



Date of measurement: 03/07/2023 Test mode: 1900MHz (Body)

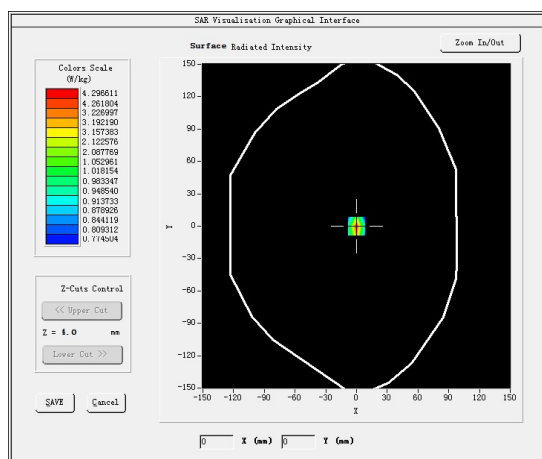
Product Description: Validation

Dipole Model: SID1900

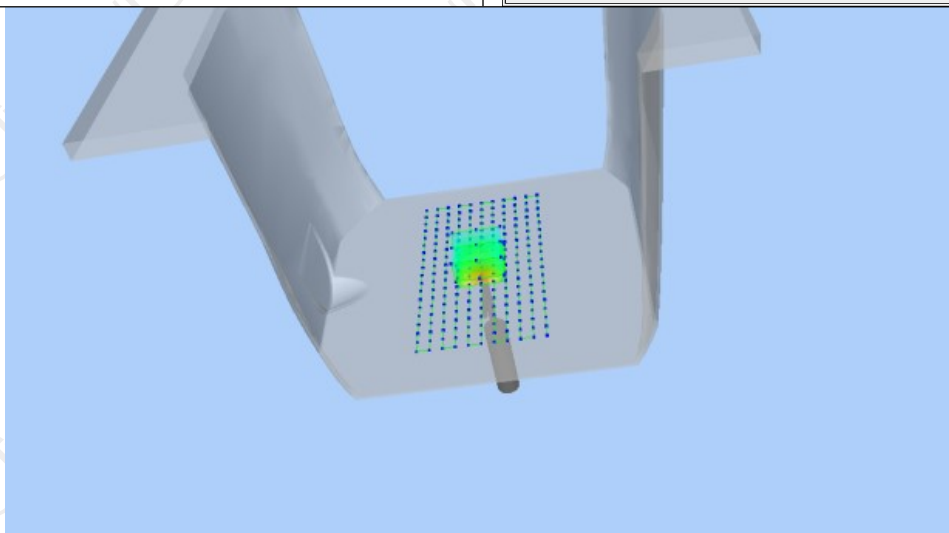
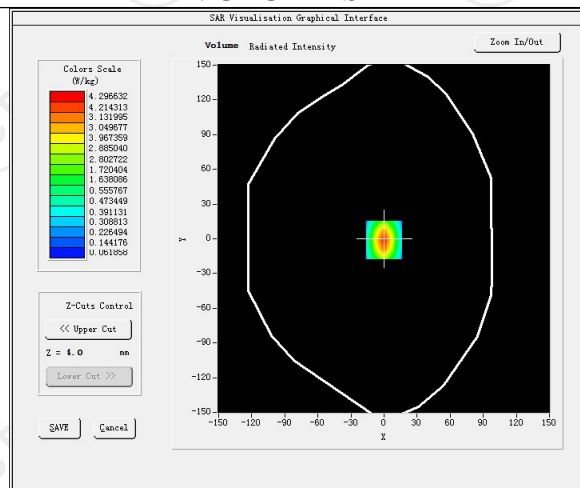
E-Field Probe: SSE2 (SN 36/20 EPG0346)

|                                        |                  |
|----------------------------------------|------------------|
| Phantom                                | Validation plane |
| Input Power                            | 100mW            |
| Crest Factor                           | 8.0              |
| Probe Conversion factor                | 2.32             |
| Frequency (MHz)                        | 1900.000000      |
| Relative permittivity (real part)      | 52.230999        |
| Relative permittivity (imaginary part) | 14.329440        |
| Conductivity (S/m)                     | 1.580354         |
| Variation (%)                          | 1.250000         |
| SAR 10g (W/Kg)                         | 1.994255         |
| SAR 1g (W/Kg)                          | 3.766112         |

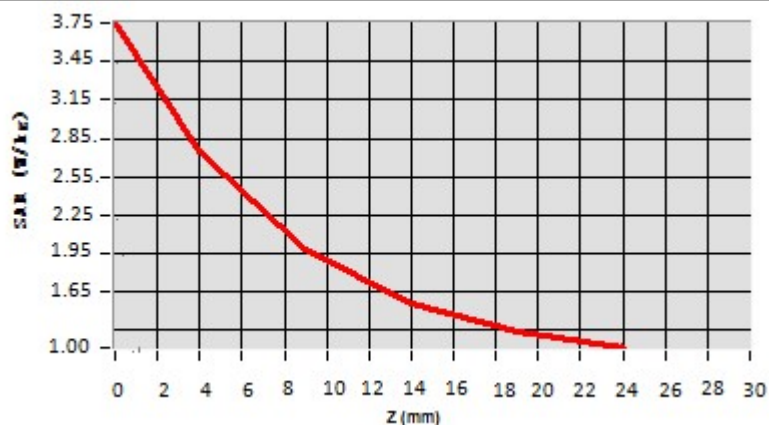
## SURFACE SAR



## VOLUME SAR



| Z (mm)     | 0.00   | 4.00   | 9.00   | 14.00  | 19.00  |
|------------|--------|--------|--------|--------|--------|
| SAR (W/Kg) | 3.7752 | 2.7154 | 1.9525 | 1.5694 | 0.9014 |



## Hot spot position



Date of measurement: 03/08/2023 Test mode: 2450MHz (Body)

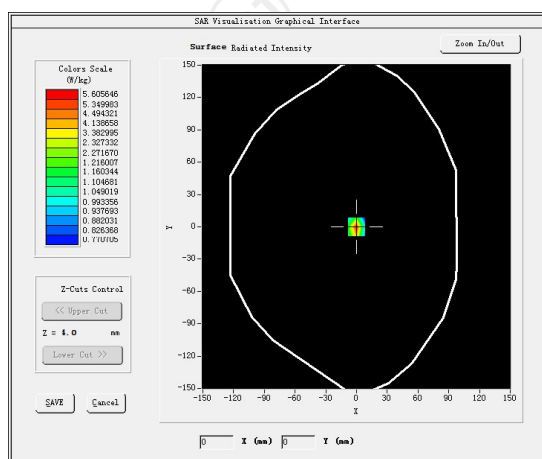
Product Description: Validation

Dipole Model: SID2450

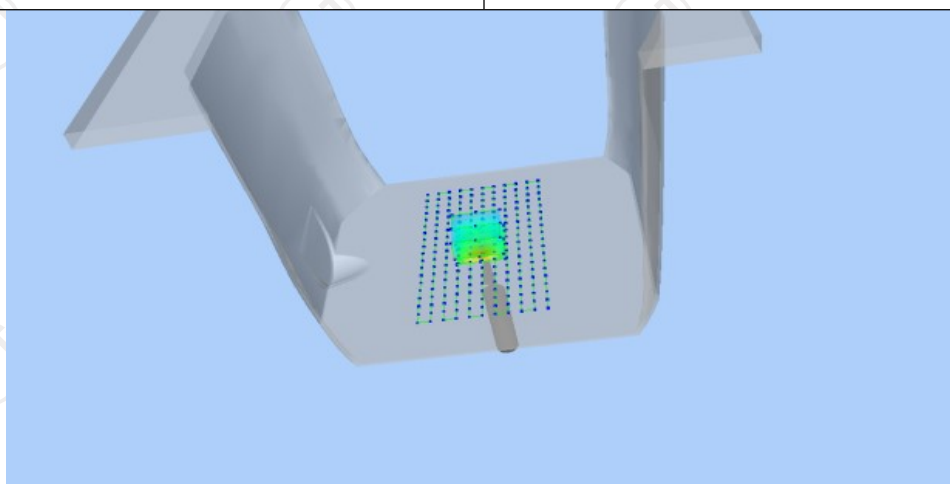
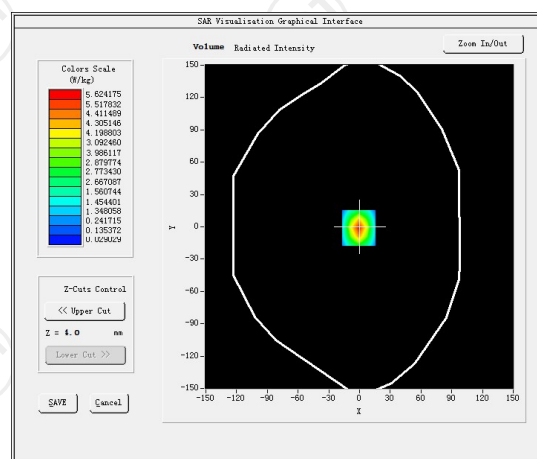
E-Field Probe: SSE2 (SN 36/20 EPGO346)

|                                        |                  |
|----------------------------------------|------------------|
| Phantom                                | Validation plane |
| Input Power                            | 100mW            |
| Crest Factor                           | 1.0              |
| Probe Conversion factor                | 2.37             |
| Frequency (MHz)                        | 2450.000000      |
| Relative permittivity (real part)      | 51.921199        |
| Relative permittivity (imaginary part) | 14.930150        |
| Conductivity (S/m)                     | 2.012159         |
| Variation (%)                          | -0.230000        |
| <b>SAR 10g (W/Kg)</b>                  | <b>2.416669</b>  |
| <b>SAR 1g (W/Kg)</b>                   | <b>5.066368</b>  |

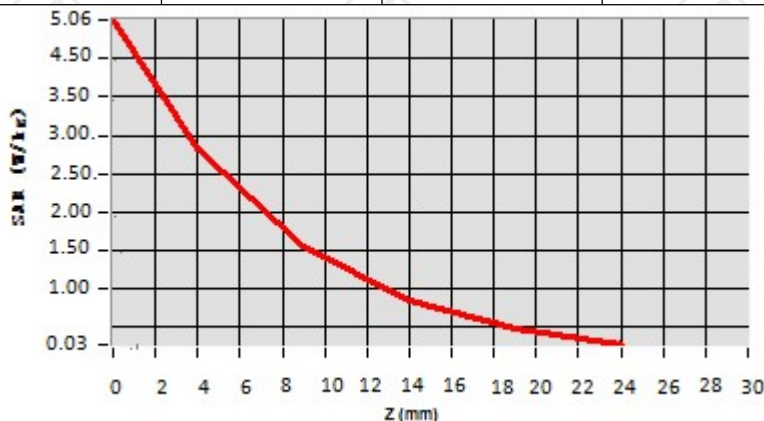
## SURFACE SAR



## VOLUME SAR



| Z (mm)     | 0.00   | 4.00   | 9.00   | 14.00  | 19.00  |
|------------|--------|--------|--------|--------|--------|
| SAR (W/Kg) | 5.0622 | 2.7984 | 1.5251 | 0.8352 | 0.4200 |



## Hot spot position



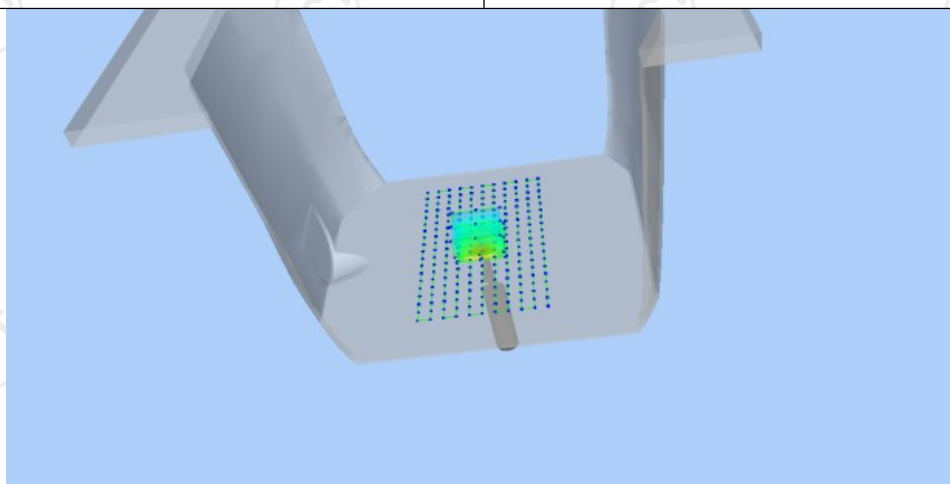
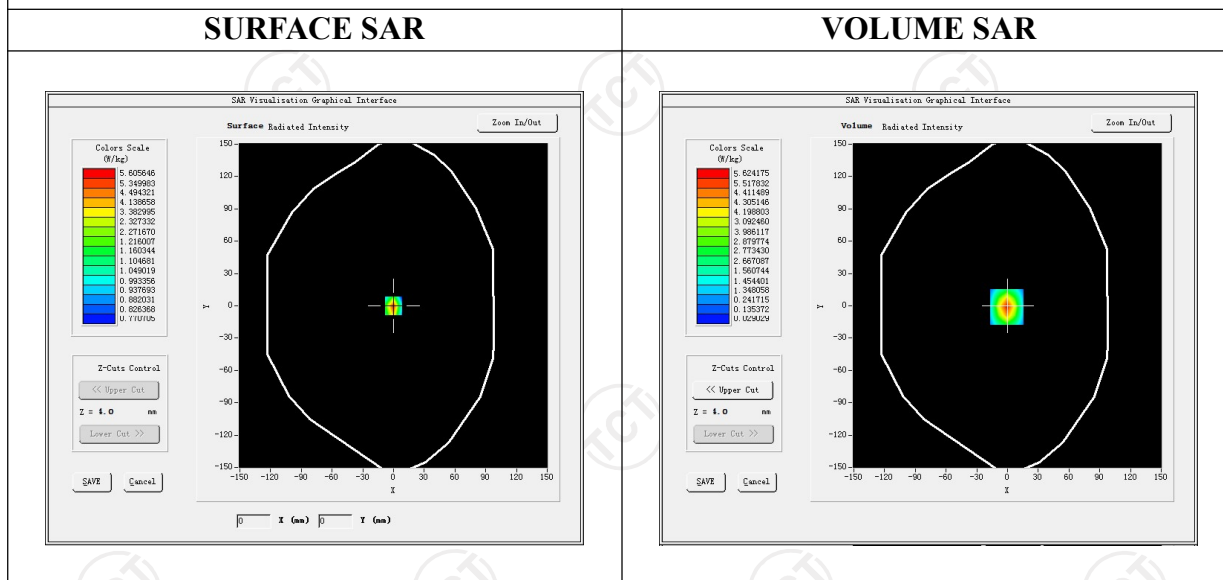
Date of measurement: 03/08/2023 Test mode: 2600MHz (Body)

Product Description: Validation

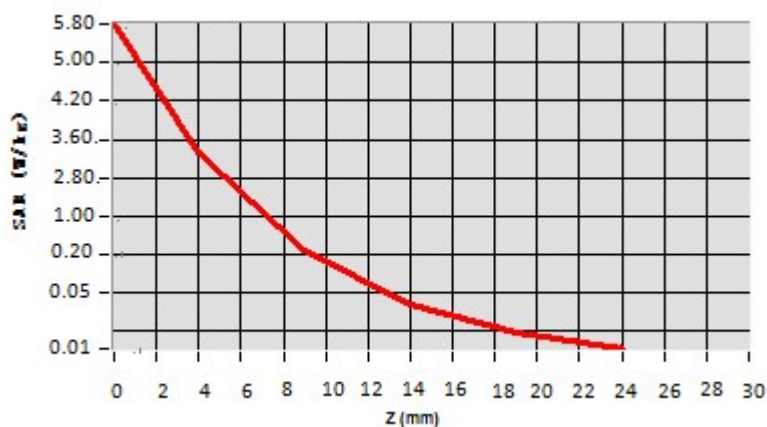
Dipole Model: SID2600

E-Field Probe: SSE2 (SN 36/20 EPGO346)

|                                        |                  |
|----------------------------------------|------------------|
| Phantom                                | Validation plane |
| Input Power                            | 100mW            |
| Crest Factor                           | 1.0              |
| Probe Conversion factor                | 2.23             |
| Frequency (MHz)                        | 2600.000000      |
| Relative permittivity (real part)      | 51.830887        |
| Relative permittivity (imaginary part) | 14.935214        |
| Conductivity (S/m)                     | 2.134821         |
| Variation (%)                          | -1.800000        |
| SAR 10g (W/Kg)                         | 2.382177         |
| SAR 1g (W/Kg)                          | 5.365098         |



| Z (mm)     | 0.00   | 4.00   | 9.00   | 14.00  | 19.00  |
|------------|--------|--------|--------|--------|--------|
| SAR (W/Kg) | 5.7721 | 3.2210 | 0.1937 | 0.0321 | 0.0203 |



Hot spot position



Date of measurement: 03/09/2023 Test mode: 5200 (Body)

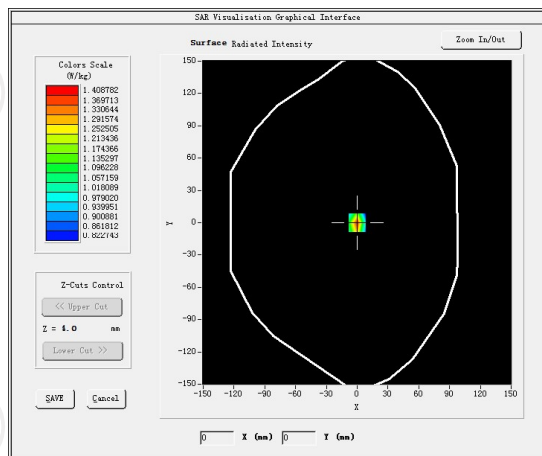
Product Description: Validation

Dipole Model: SID5000

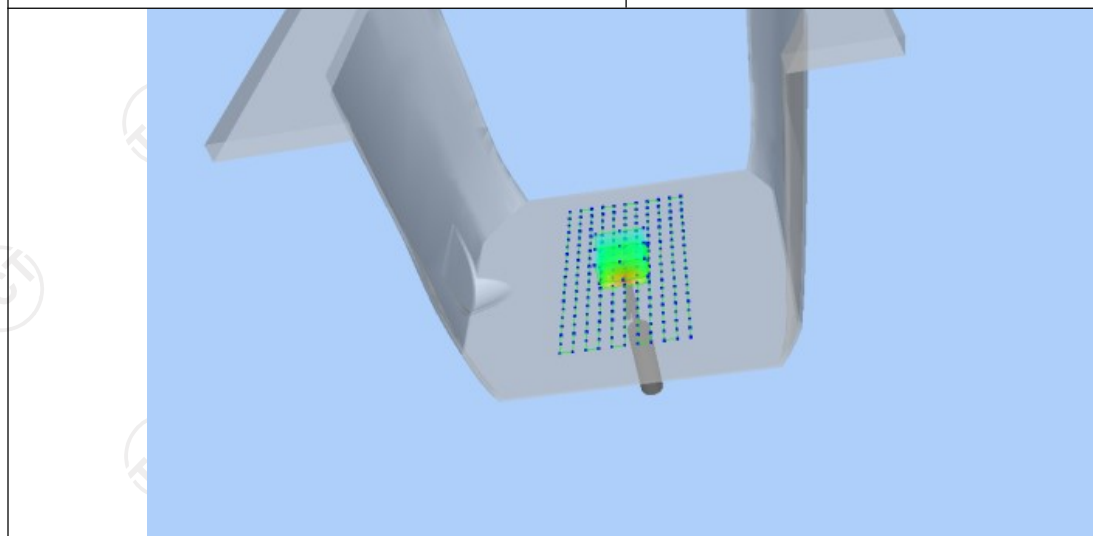
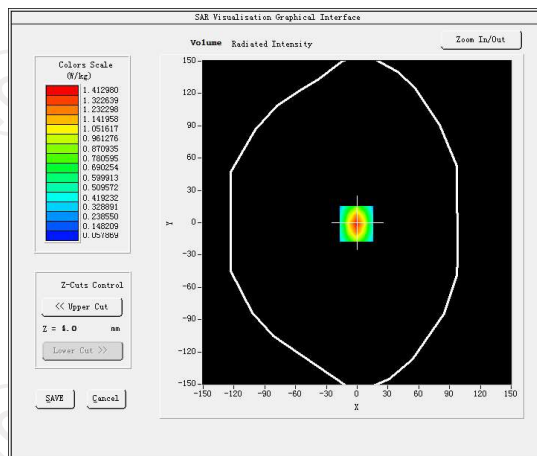
E-Field Probe: SSE2 (SN 36/20 EPGO346)

|                                        |                  |
|----------------------------------------|------------------|
| Phantom                                | Validation plane |
| Input Power                            | 100mW            |
| Crest Factor                           | 1.0              |
| Probe Conversion factor                | 2.08             |
| Frequency (MHz)                        | 5200.000000      |
| Relative permittivity (real part)      | 49.522077        |
| Relative permittivity (imaginary part) | 21.378187        |
| Conductivity (S/m)                     | 5.403883         |
| Variation (%)                          | -3.140000        |
| <b>SAR 10g (W/Kg)</b>                  | <b>5.513123</b>  |
| <b>SAR 1g (W/Kg)</b>                   | <b>15.472446</b> |

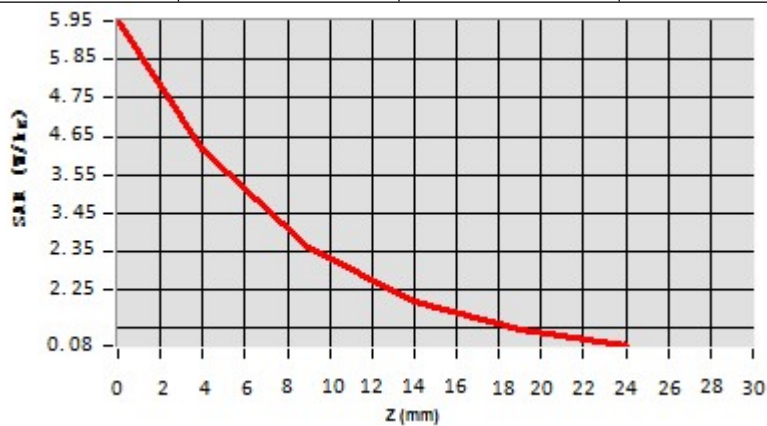
## SURFACE SAR



## VOLUME SAR



| Z (mm)     | 0.00   | 4.00   | 9.00   | 14.00  | 19.00  |
|------------|--------|--------|--------|--------|--------|
| SAR (W/Kg) | 5.9525 | 0.6022 | 0.3594 | 0.2202 | 0.0725 |



Hot spot position



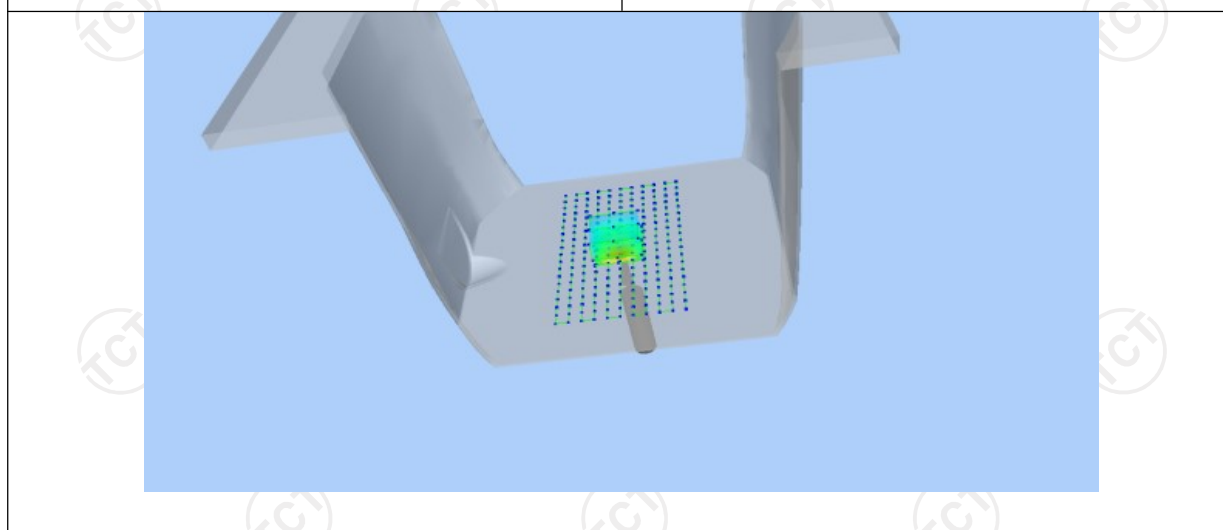
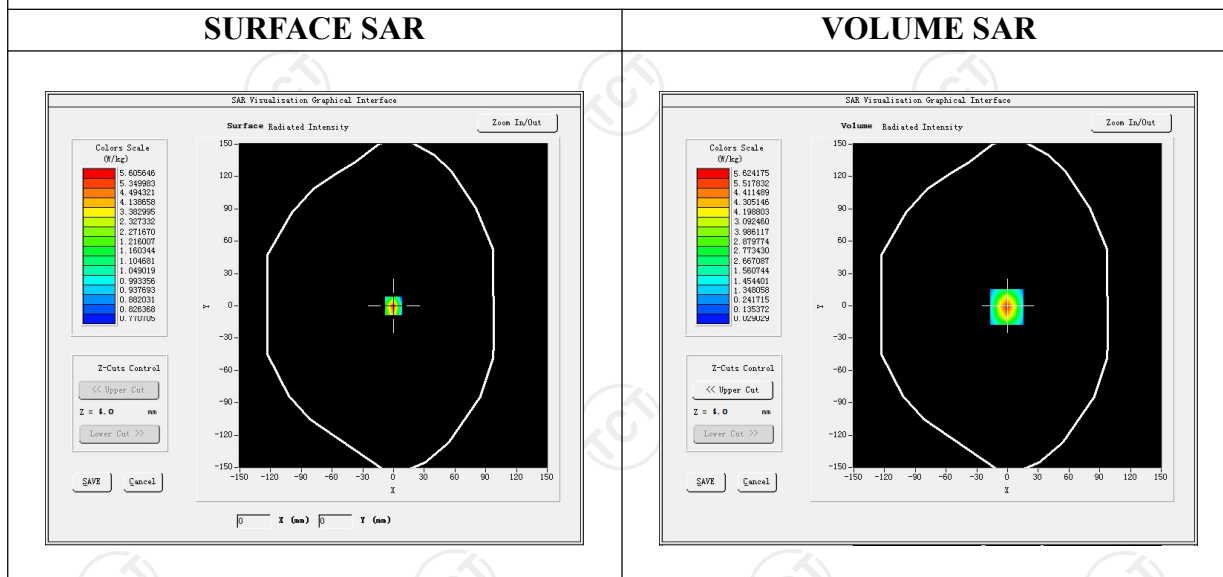
Date of measurement: 03/09/2023 Test mode: 5800MHz (Body)

Product Description: Validation

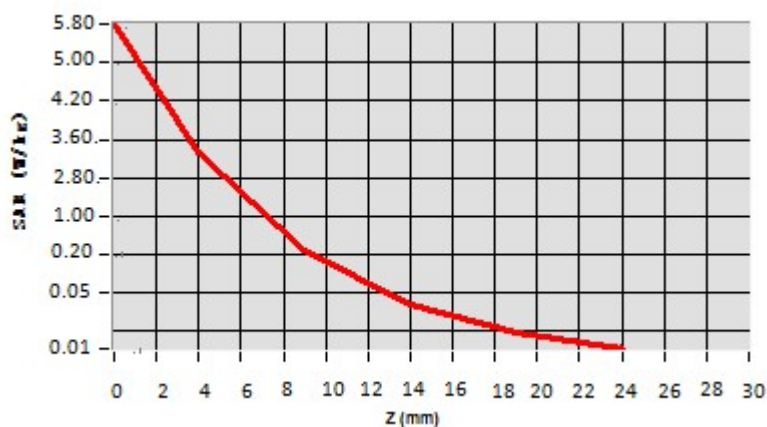
Dipole Model: SID5000

E-Field Probe: SSE2 (SN 36/20 EPGO346)

|                                        |                  |
|----------------------------------------|------------------|
| Phantom                                | Validation plane |
| Input Power                            | 100mW            |
| Crest Factor                           | 1.0              |
| Probe Conversion factor                | 2.13             |
| Frequency (MHz)                        | 5800.000000      |
| Relative permittivity (real part)      | 47.593887        |
| Relative permittivity (imaginary part) | 14.935214        |
| Conductivity (S/m)                     | 5.954821         |
| Variation (%)                          | -1.420000        |
| SAR 10g (W/Kg)                         | 6.182177         |
| SAR 1g (W/Kg)                          | 18.304098        |



| Z (mm)     | 0.00   | 4.00   | 9.00   | 14.00  | 19.00  |
|------------|--------|--------|--------|--------|--------|
| SAR (W/Kg) | 5.7721 | 3.2210 | 0.1937 | 0.0321 | 0.0203 |



Hot spot position



## 12. SAR Test Data

### SAR Measurement at GPRS850 (Cheek, Right)

Date of measurement: 6/3/2023

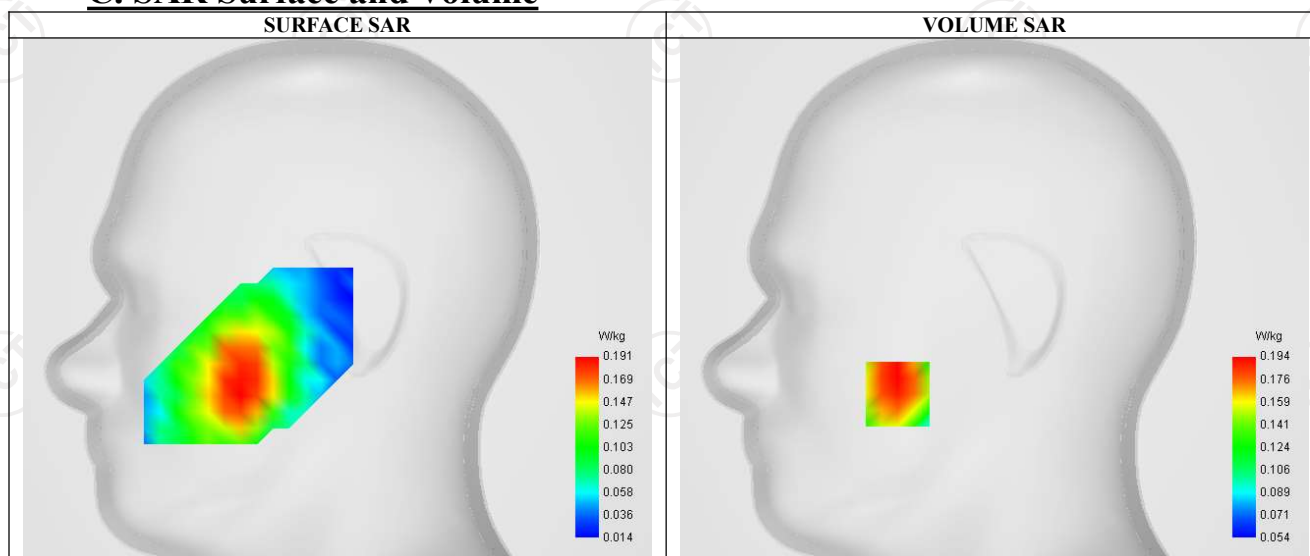
#### A. Experimental conditions.

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 36/20 EPG0346                    |
| ConvF           | 1.86                                |
| Area Scan       | sam_direct droit2 surf8mm.txt       |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Right head                          |
| Device Position | Cheek                               |
| Band            | GPRS850                             |
| Channels        | Middle (190)                        |
| Signal          | TDMA (GPRS)                         |
| Modulation      | GMSK (CS-1)                         |
| TX-slots        | 4                                   |

#### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Frequency (MHz)                        | 836.600 |
| Relative permittivity (real part)      | 55.241  |
| Relative permittivity (imaginary part) | 21.378  |
| Conductivity (S/m)                     | 0.939   |

#### C. SAR Surface and Volume

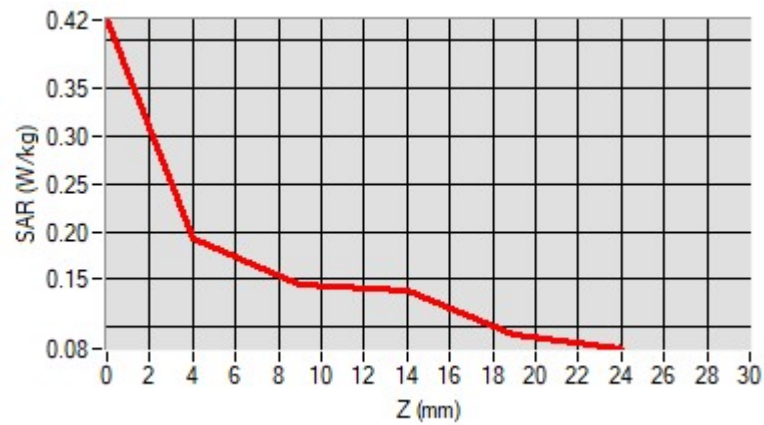


#### D. SAR 1g & 10g

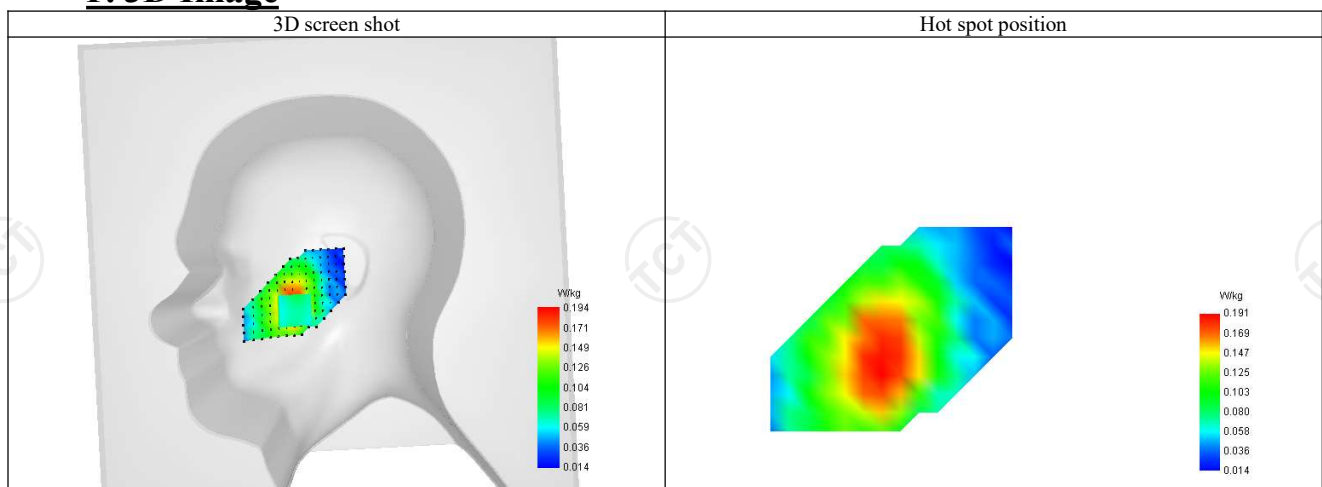
|                                                       |          |
|-------------------------------------------------------|----------|
| SAR 10g (W/Kg)                                        | 0.153    |
| SAR 1g (W/Kg)                                         | 0.195    |
| Variation (%)                                         | -0.060   |
| Horizontal validation criteria: minimum distance (mm) | 0.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 0.000000 |

#### E. Z Axis Scan

|            |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 |
| SAR (W/Kg) | 0.421 | 0.194 | 0.145 | 0.139 | 0.093 |



### F. 3D Image



## SAR Measurement at GPRS850 (Body, Validation Plane)

Date of measurement: 6/3/2023

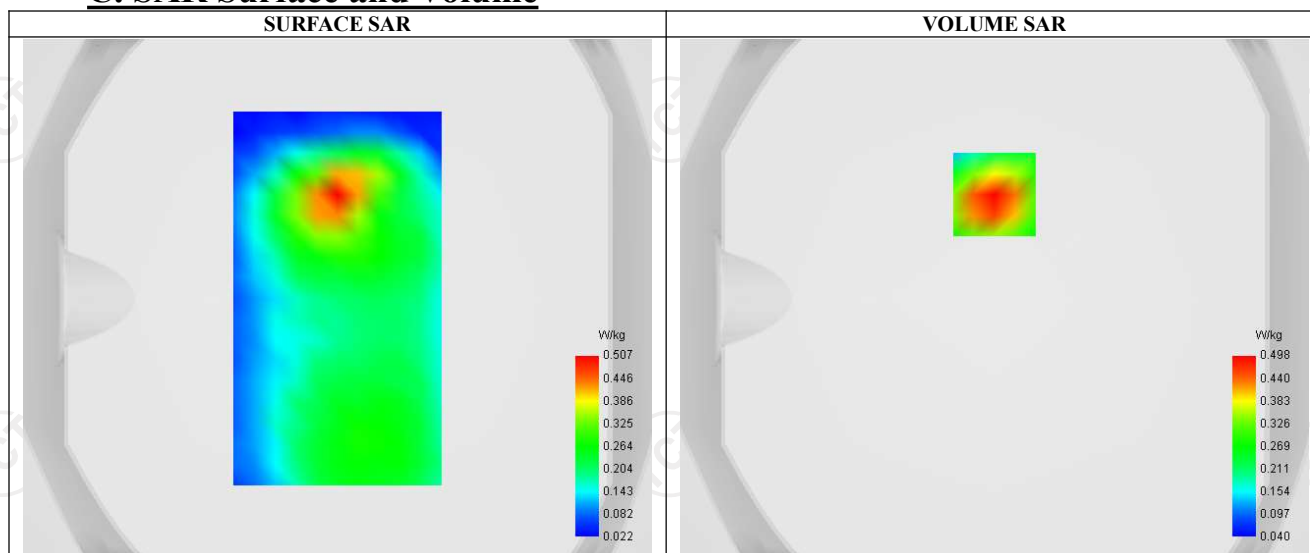
### A. Experimental conditions.

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 36/20 EPG0346                    |
| ConvF           | 1.86                                |
| Area Scan       | surf sam plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | GPRS850                             |
| Channels        | Middle (190)                        |
| Signal          | TDMA (GPRS)                         |
| Modulation      | GMSK (CS-1)                         |
| TX-slots        | 4                                   |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Frequency (MHz)                        | 836.600 |
| Relative permittivity (real part)      | 55.241  |
| Relative permittivity (imaginary part) | 21.378  |
| Conductivity (S/m)                     | 0.939   |

### C. SAR Surface and Volume

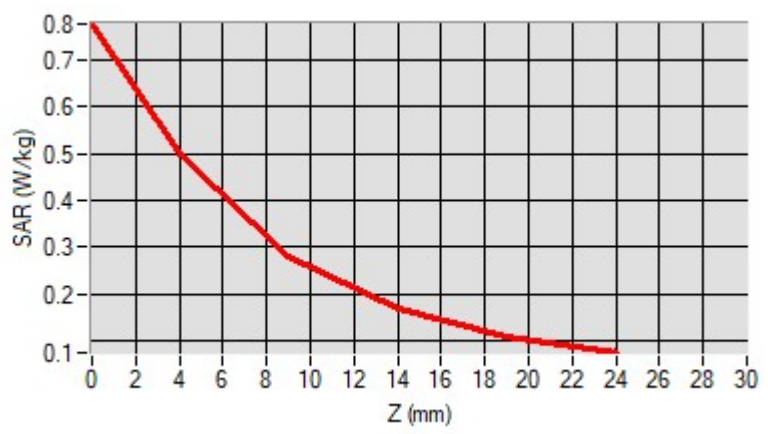


### D. SAR 1g & 10g

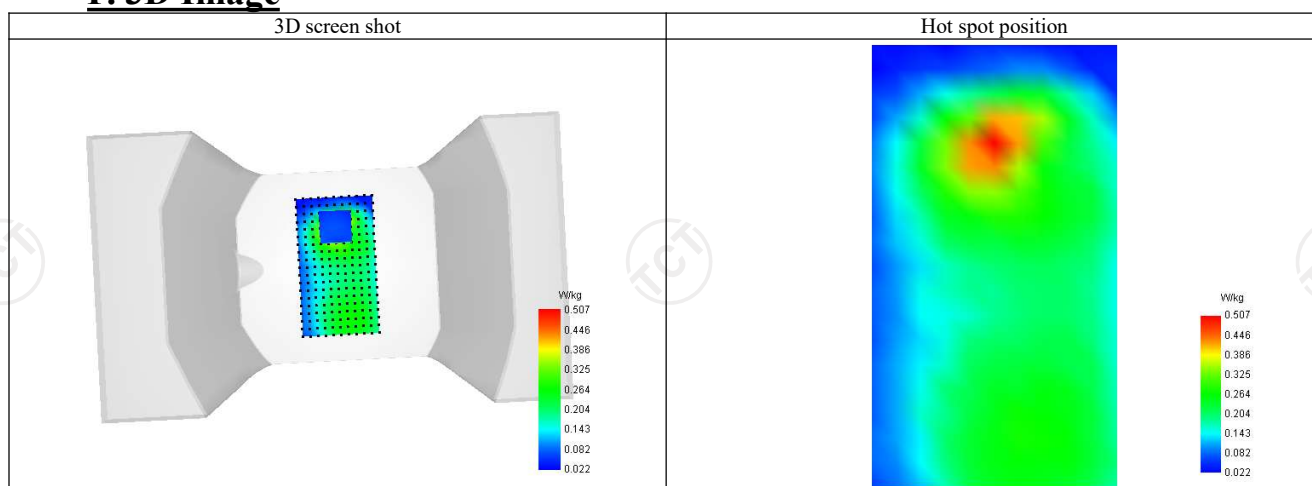
|                                                       |          |
|-------------------------------------------------------|----------|
| SAR 10g (W/Kg)                                        | 0.277    |
| SAR 1g (W/Kg)                                         | 0.490    |
| Variation (%)                                         | -1.060   |
| Horizontal validation criteria: minimum distance (mm) | 0.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 0.000000 |

### E. Z Axis Scan

|            |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 |
| SAR (W/Kg) | 0.777 | 0.498 | 0.282 | 0.167 | 0.109 |



## F. 3D Image



## SAR Measurement at GPRS1900 (Cheek, Right)

Date of measurement: 7/3/2023

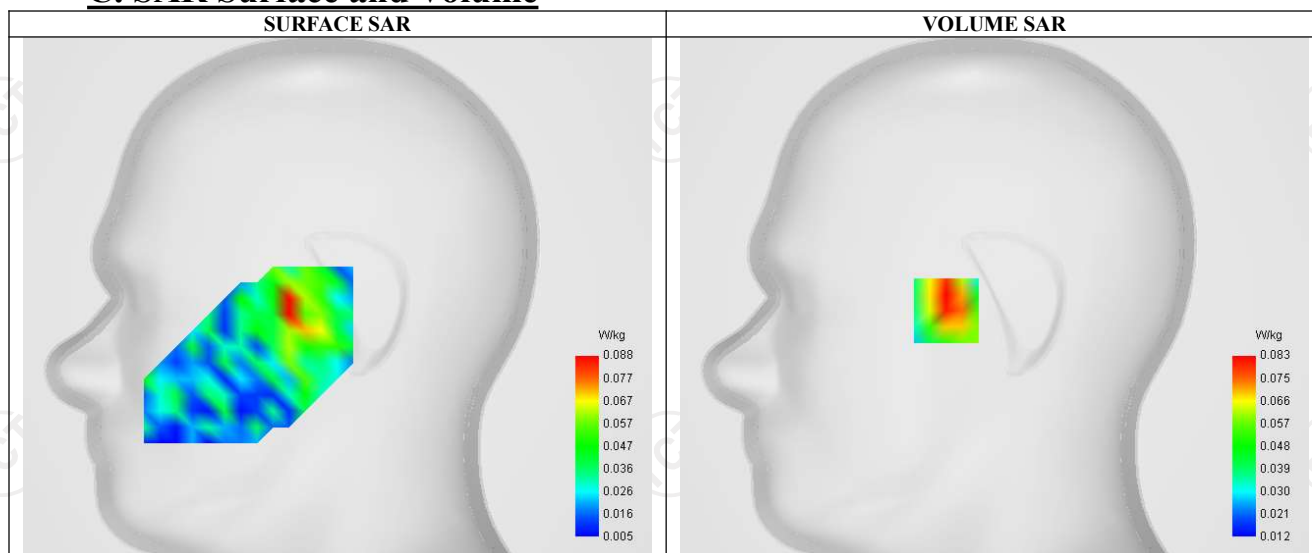
### A. Experimental conditions.

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 36/20 EPG0346                    |
| ConvF           | 2.32                                |
| Area Scan       | sam_direct droit2 surf8mm.txt       |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Right head                          |
| Device Position | Cheek                               |
| Band            | GPRS1900                            |
| Channels        | Middle (661)                        |
| Signal          | TDMA (GPRS)                         |
| Modulation      | GMSK (CS-1)                         |
| TX-slots        | 4                                   |

### B. Permittivity

|                                        |          |
|----------------------------------------|----------|
| Frequency (MHz)                        | 1880.000 |
| Relative permittivity (real part)      | 52.253   |
| Relative permittivity (imaginary part) | 14.329   |
| Conductivity (S/m)                     | 1.561    |

### C. SAR Surface and Volume

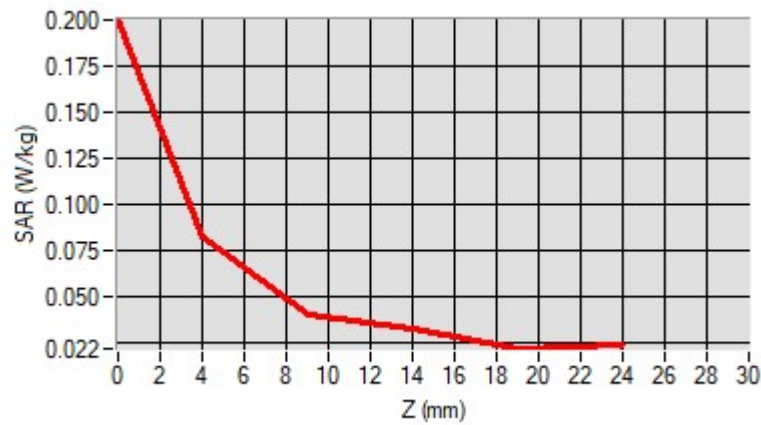


### D. SAR 1g & 10g

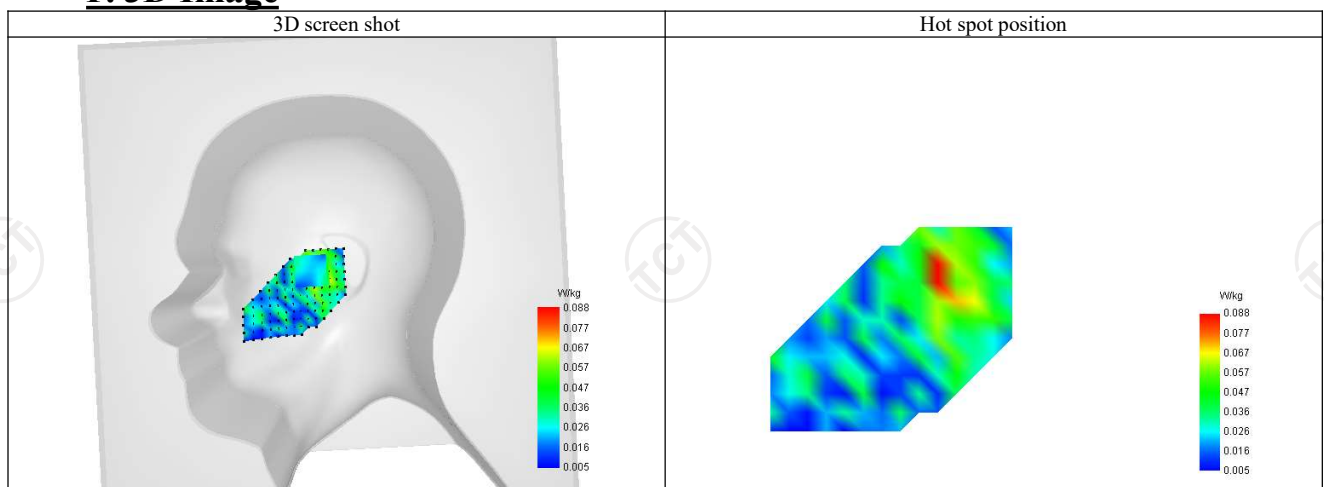
|                                                       |          |
|-------------------------------------------------------|----------|
| SAR 10g (W/Kg)                                        | 0.053    |
| SAR 1g (W/Kg)                                         | 0.082    |
| Variation (%)                                         | 1.210    |
| Horizontal validation criteria: minimum distance (mm) | 0.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 0.000000 |

### E. Z Axis Scan

|            |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 |
| SAR (W/Kg) | 0.200 | 0.083 | 0.041 | 0.033 | 0.022 |



### F. 3D Image



## SAR Measurement at GPRS1900 (Body, Validation Plane)

Date of measurement: 7/3/2023

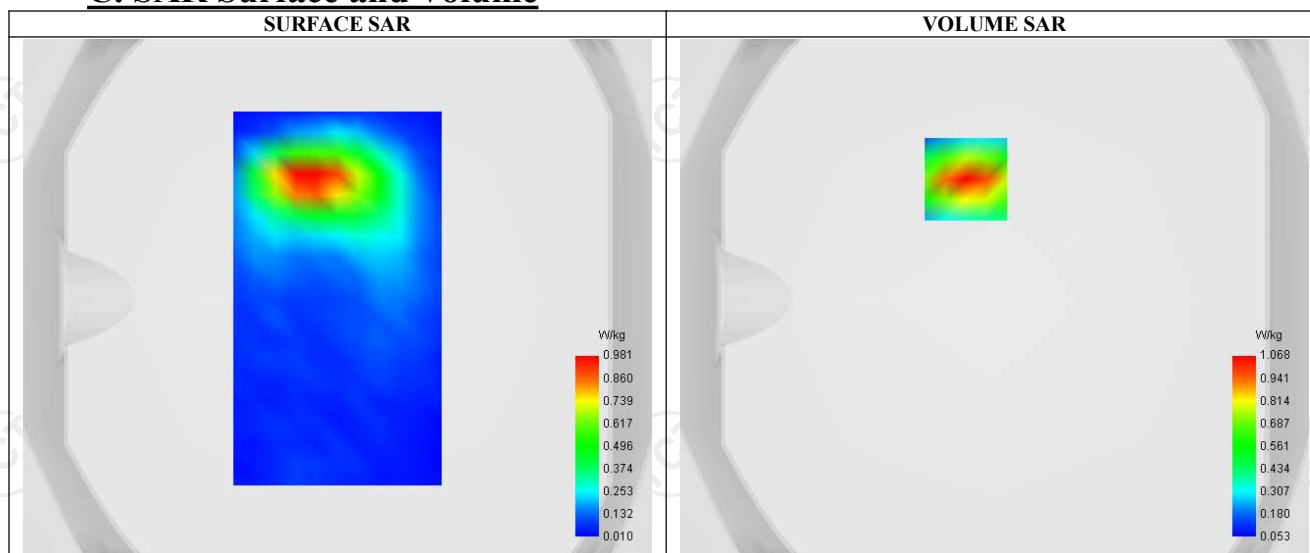
### A. Experimental conditions.

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 36/20 EPG0346                    |
| ConvF           | 2.32                                |
| Area Scan       | surf sam plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | GPRS1900                            |
| Channels        | Middle (661)                        |
| Signal          | TDMA (GPRS)                         |
| Modulation      | GMSK (CS-1)                         |
| TX-slots        | 4                                   |

### B. Permittivity

|                                        |          |
|----------------------------------------|----------|
| Frequency (MHz)                        | 1880.000 |
| Relative permittivity (real part)      | 52.253   |
| Relative permittivity (imaginary part) | 14.329   |
| Conductivity (S/m)                     | 1.561    |

### C. SAR Surface and Volume

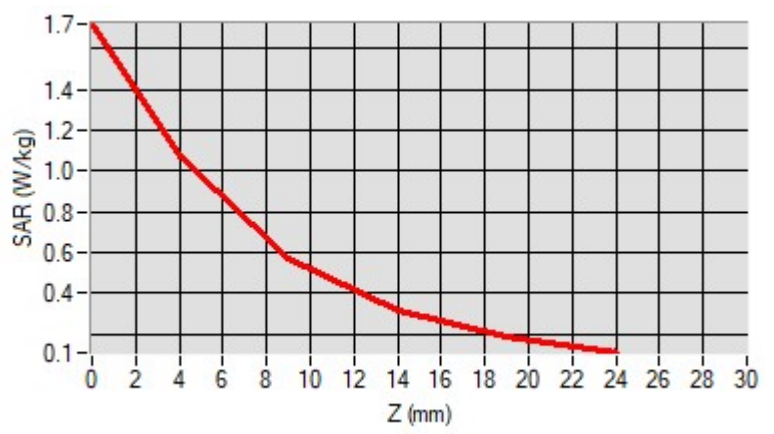


### D. SAR 1g & 10g

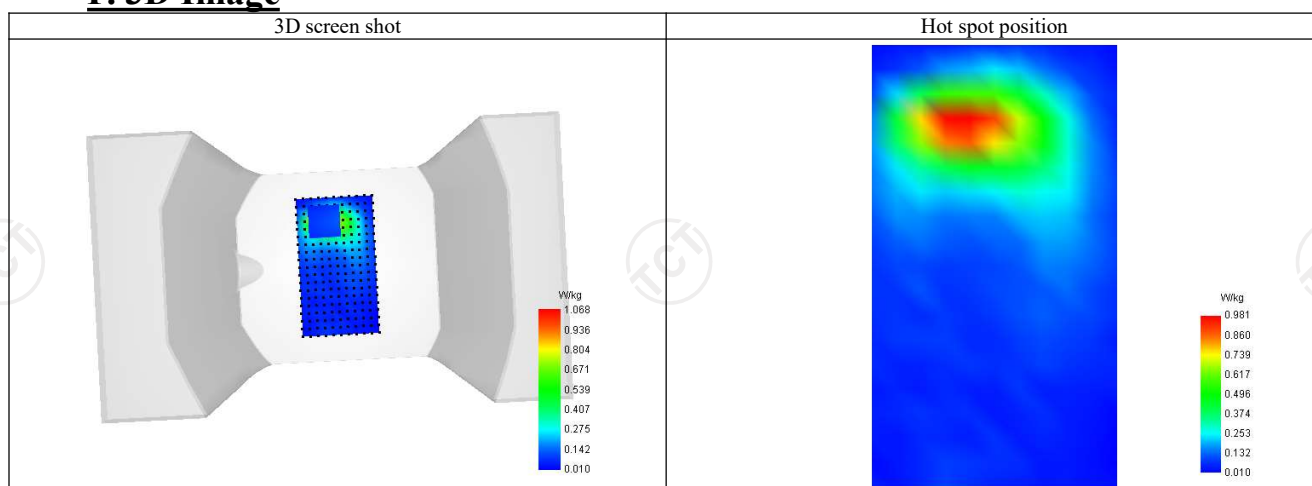
|                                                       |          |
|-------------------------------------------------------|----------|
| SAR 10g (W/Kg)                                        | 0.522    |
| SAR 1g (W/Kg)                                         | 0.989    |
| Variation (%)                                         | -3.880   |
| Horizontal validation criteria: minimum distance (mm) | 0.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 0.000000 |

### E. Z Axis Scan

|            |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 |
| SAR (W/Kg) | 1.720 | 1.068 | 0.573 | 0.312 | 0.183 |



## F. 3D Image



## SAR Measurement at Band 2 (1900) (Cheek, Right)

Date of measurement: 7/3/2023

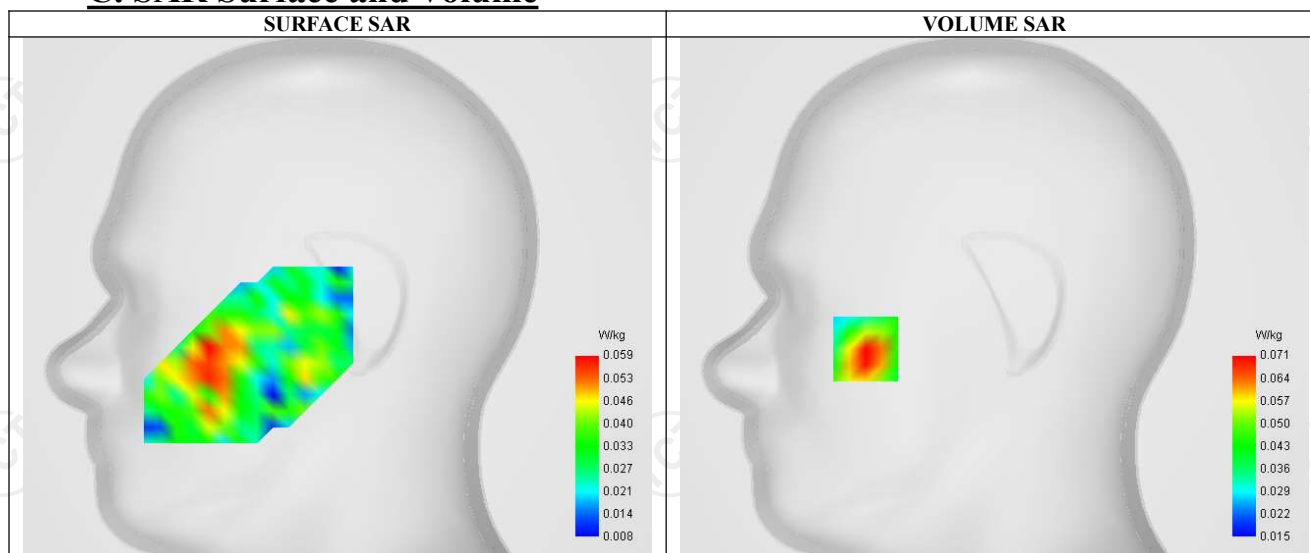
### A. Experimental conditions.

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 36/20 EPG0346                    |
| ConvF           | 2.32                                |
| Area Scan       | sam_direct droit2 surf8mm.txt       |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Right head                          |
| Device Position | Cheek                               |
| Band            | Band 2 (1900)                       |
| Channels        | Middle (9400)                       |
| Signal          | WCDMA                               |
| Mode            | Release 99                          |
| Connection Type | RMC, 12.2 kbps                      |

### B. Permittivity

|                                        |          |
|----------------------------------------|----------|
| Frequency (MHz)                        | 1880.000 |
| Relative permittivity (real part)      | 52.253   |
| Relative permittivity (imaginary part) | 14.329   |
| Conductivity (S/m)                     | 1.561    |

### C. SAR Surface and Volume



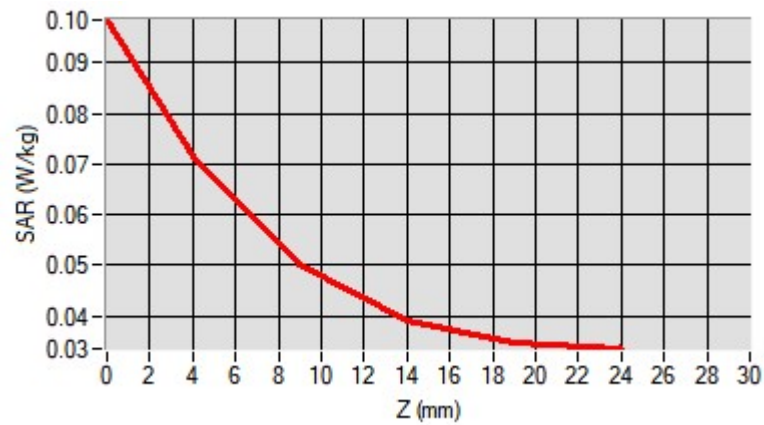
Maximum location: X=-64.00, Y=-25.00 ; SAR Peak: 0.10 W/kg

### D. SAR 1g & 10g

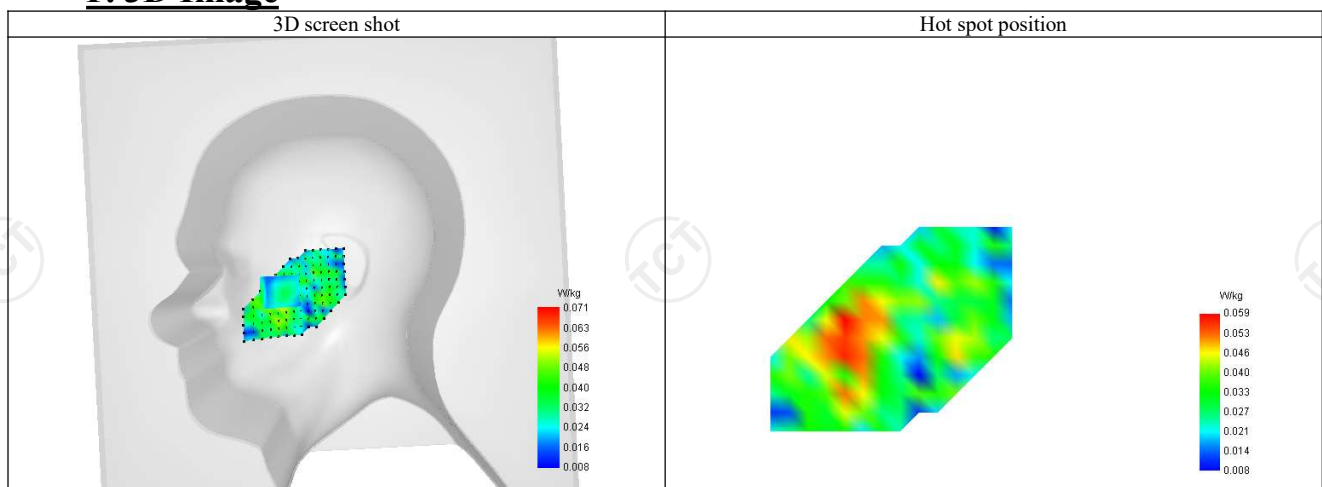
|                                                       |          |
|-------------------------------------------------------|----------|
| SAR 10g (W/Kg)                                        | 0.047    |
| SAR 1g (W/Kg)                                         | 0.069    |
| Variation (%)                                         | 1.020    |
| Horizontal validation criteria: minimum distance (mm) | 0.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 0.000000 |

### E. Z Axis Scan

|            |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 |
| SAR (W/Kg) | 0.099 | 0.071 | 0.050 | 0.039 | 0.035 |



### F. 3D Image



## SAR Measurement at Band 2 (1900) (Body, Validation Plane)

Date of measurement: 7/3/2023

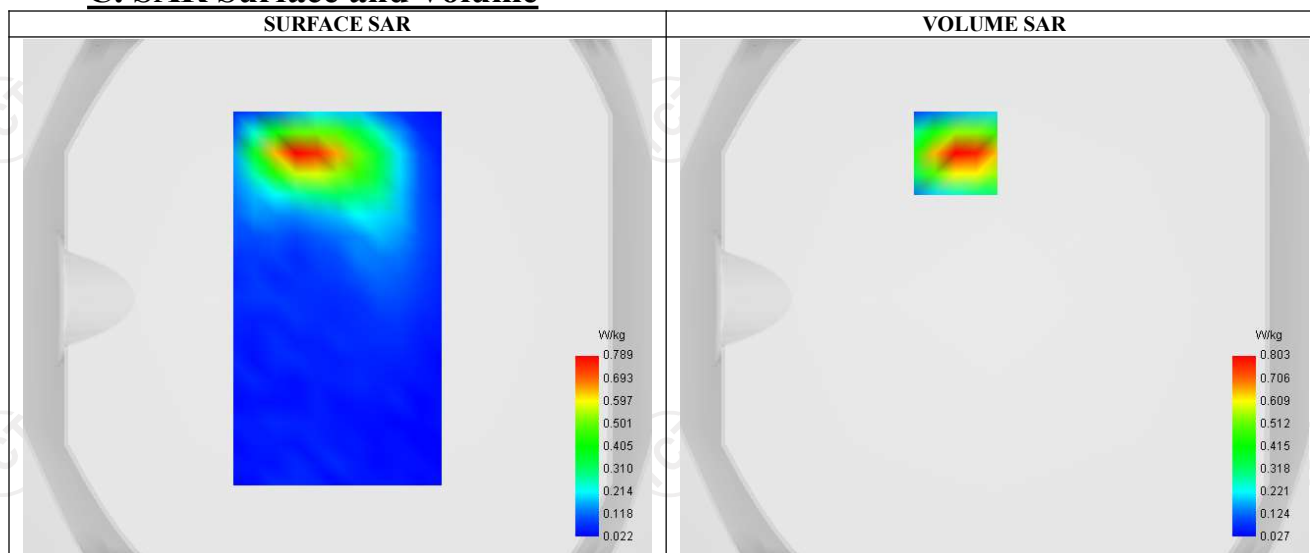
### A. Experimental conditions.

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 36/20 EPG0346                    |
| ConvF           | 2.32                                |
| Area Scan       | surf sam plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | Band 2 (1900)                       |
| Channels        | Middle (9400)                       |
| Signal          | WCDMA                               |
| Mode            | Release 99                          |
| Connection Type | RMC, 12.2 kbps                      |

### B. Permittivity

|                                        |          |
|----------------------------------------|----------|
| Frequency (MHz)                        | 1880.000 |
| Relative permittivity (real part)      | 52.253   |
| Relative permittivity (imaginary part) | 14.329   |
| Conductivity (S/m)                     | 1.561    |

### C. SAR Surface and Volume



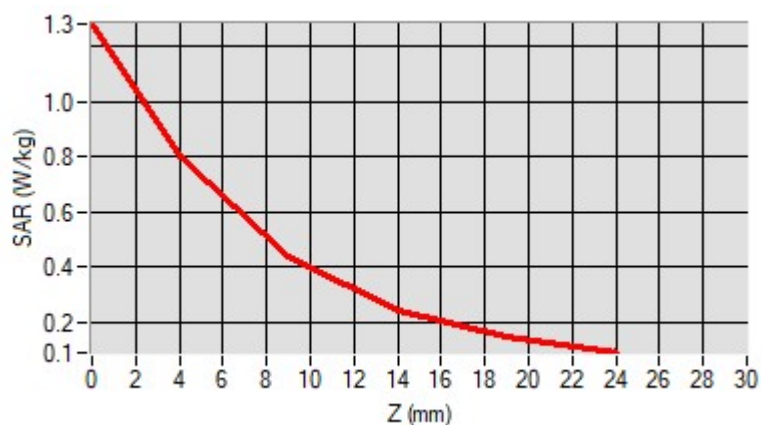
Maximum location: X=-15.00, Y=56.00 ; SAR Peak: 1.29 W/kg

### D. SAR 1g & 10g

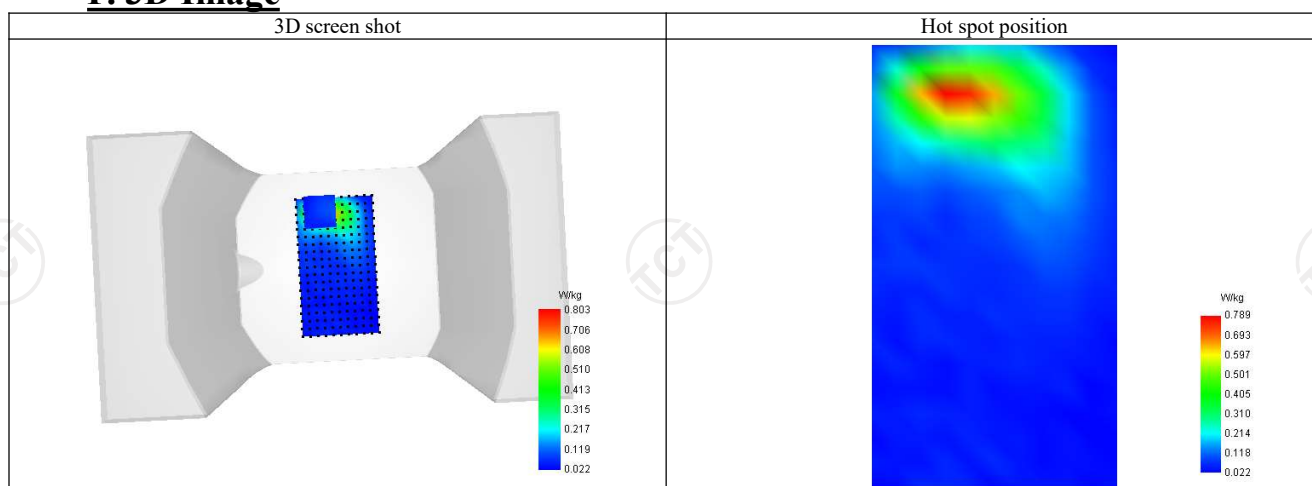
|                                                       |          |
|-------------------------------------------------------|----------|
| SAR 10g (W/Kg)                                        | 0.398    |
| SAR 1g (W/Kg)                                         | 0.751    |
| Variation (%)                                         | -2.940   |
| Horizontal validation criteria: minimum distance (mm) | 0.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 0.000000 |

### E. Z Axis Scan

|            |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 |
| SAR (W/Kg) | 1.281 | 0.803 | 0.438 | 0.244 | 0.146 |



## F. 3D Image



## SAR Measurement at Band 4 (1700) (Cheek, Left)

Date of measurement: 7/3/2023

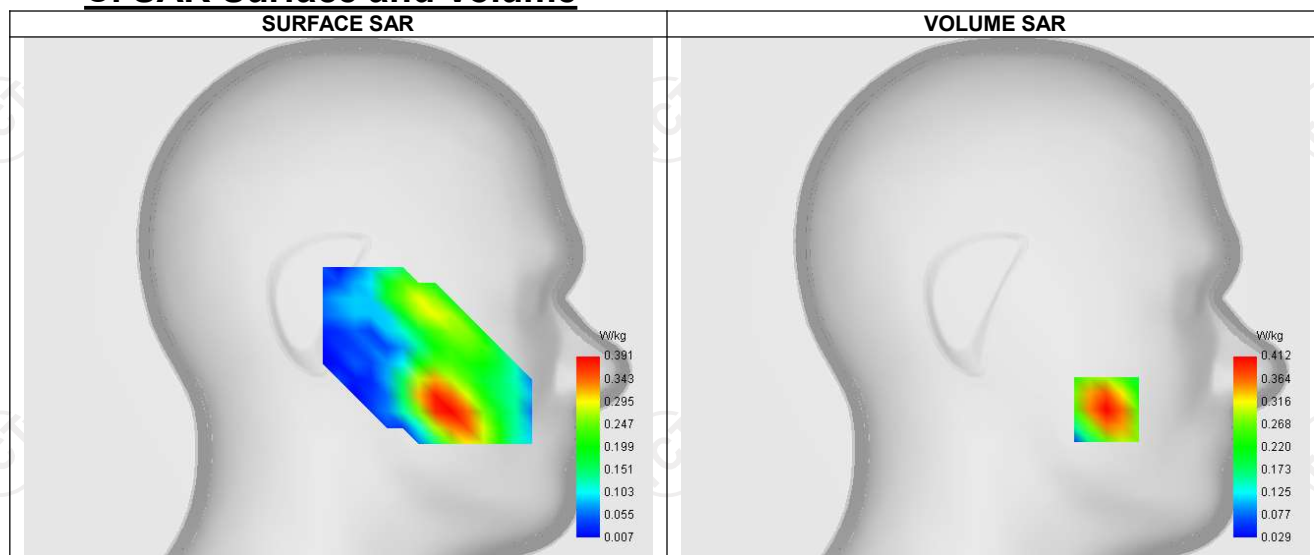
### A. Experimental conditions.

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 36/20 EPG0346                    |
| ConvF           | 2.16                                |
| Area Scan       | sam_direct_droit2_surf8mm.txt       |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Left head                           |
| Device Position | Cheek                               |
| Band            | Band 4 (1700)                       |
| Channels        | Middle (1450)                       |
| Signal          | WCDMA                               |
| Mode            | Release 99                          |
| Connection Type | RMC, 12.2 kbps                      |

### B. Permittivity

|                                        |          |
|----------------------------------------|----------|
| Frequency (MHz)                        | 1740.000 |
| Relative permittivity (real part)      | 53.314   |
| Relative permittivity (imaginary part) | 15.200   |
| Conductivity (S/m)                     | 1.514    |

### C. SAR Surface and Volume



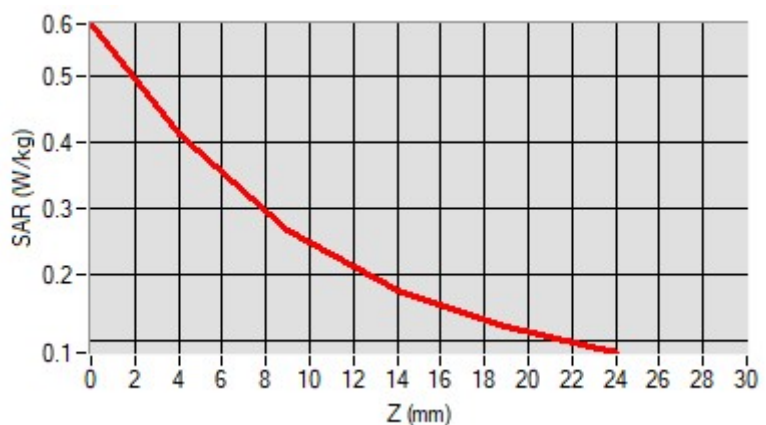
Maximum location: X=-55.00, Y=-55.00 ; SAR Peak: 0.58 W/kg

### D. SAR 1g & 10g

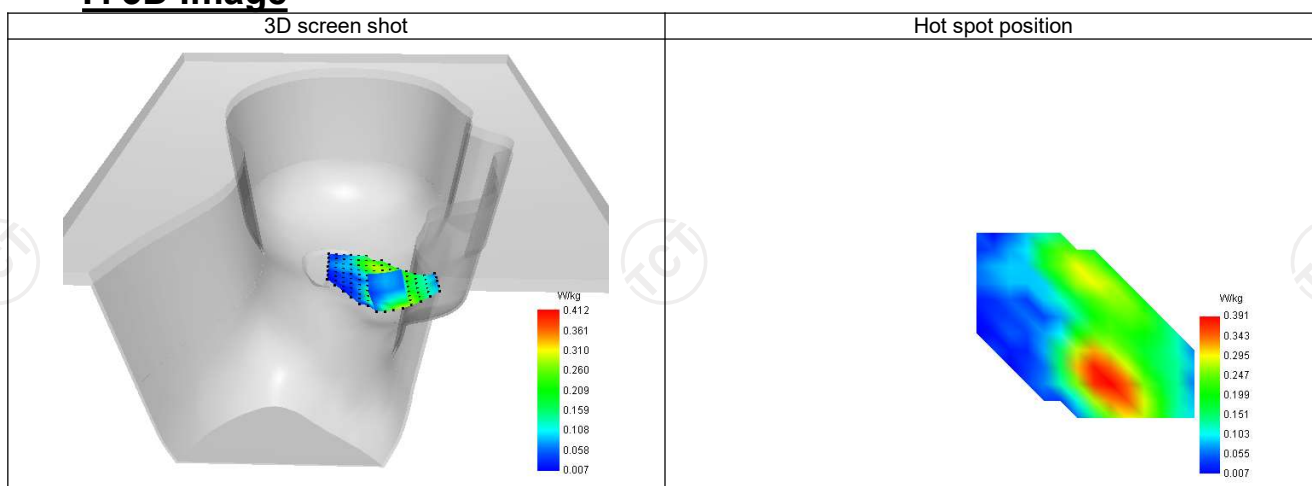
|                                                       |          |
|-------------------------------------------------------|----------|
| SAR 10g (W/Kg)                                        | 0.238    |
| SAR 1g (W/Kg)                                         | 0.415    |
| Variation (%)                                         | -0.670   |
| Horizontal validation criteria: minimum distance (mm) | 0.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 0.000000 |

### E. Z Axis Scan

|            |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 |
| SAR (W/Kg) | 0.578 | 0.412 | 0.268 | 0.178 | 0.122 |



### F. 3D Image



## SAR Measurement at Band 4 (1700) (Body, Validation Plane)

Date of measurement: 7/3/2023

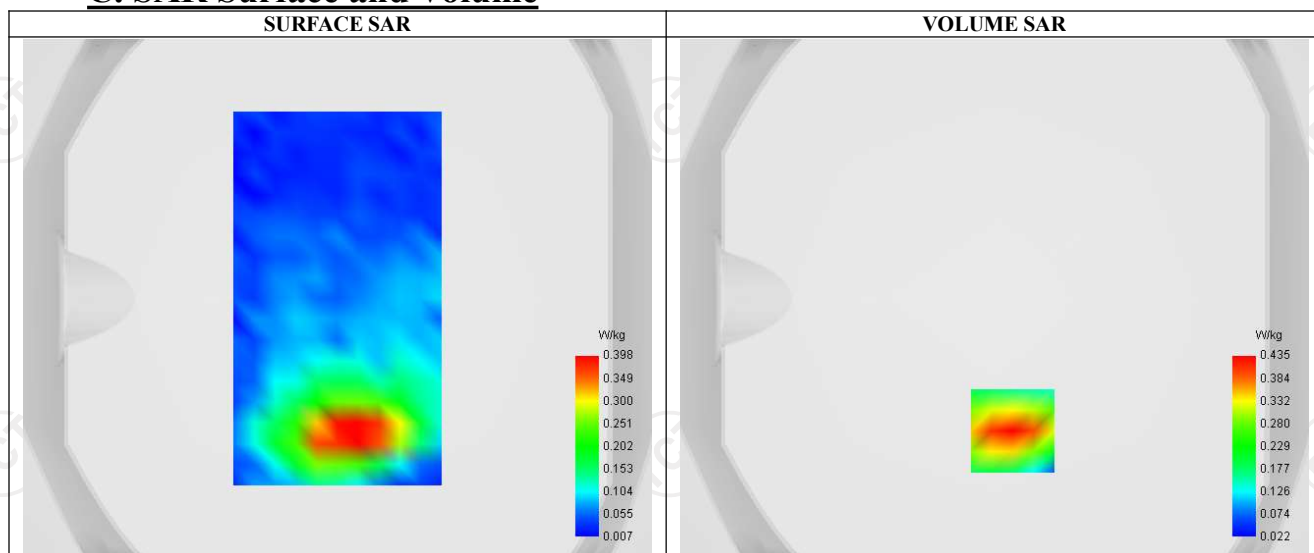
### A. Experimental conditions.

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 36/20 EPG0346                    |
| ConvF           | 2.16                                |
| Area Scan       | surf sam plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | Band 4 (1700)                       |
| Channels        | Middle (1450)                       |
| Signal          | WCDMA                               |
| Mode            | Release 99                          |
| Connection Type | RMC, 12.2 kbps                      |

### B. Permittivity

|                                        |          |
|----------------------------------------|----------|
| Frequency (MHz)                        | 1740.000 |
| Relative permittivity (real part)      | 53.314   |
| Relative permittivity (imaginary part) | 15.200   |
| Conductivity (S/m)                     | 1.514    |

### C. SAR Surface and Volume



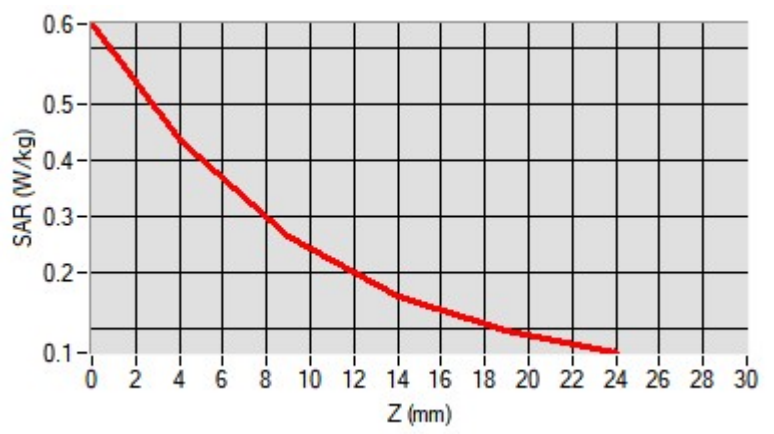
Maximum location: X=7.00, Y=-51.00 ; SAR Peak: 0.64 W/kg

### D. SAR 1g & 10g

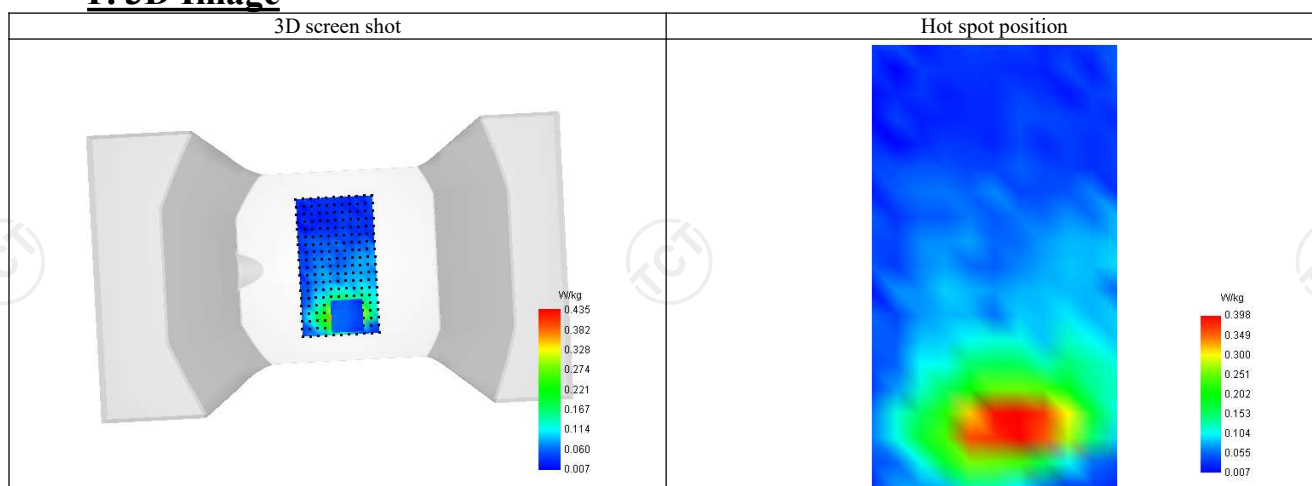
|                                                       |          |
|-------------------------------------------------------|----------|
| SAR 10g (W/Kg)                                        | 0.230    |
| SAR 1g (W/Kg)                                         | 0.405    |
| Variation (%)                                         | -1.430   |
| Horizontal validation criteria: minimum distance (mm) | 0.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 0.000000 |

### E. Z Axis Scan

|            |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 |
| SAR (W/Kg) | 0.642 | 0.435 | 0.263 | 0.159 | 0.098 |



## F. 3D Image



## SAR Measurement at Band 5 (850) (Cheek, Left)

Date of measurement: 6/3/2023

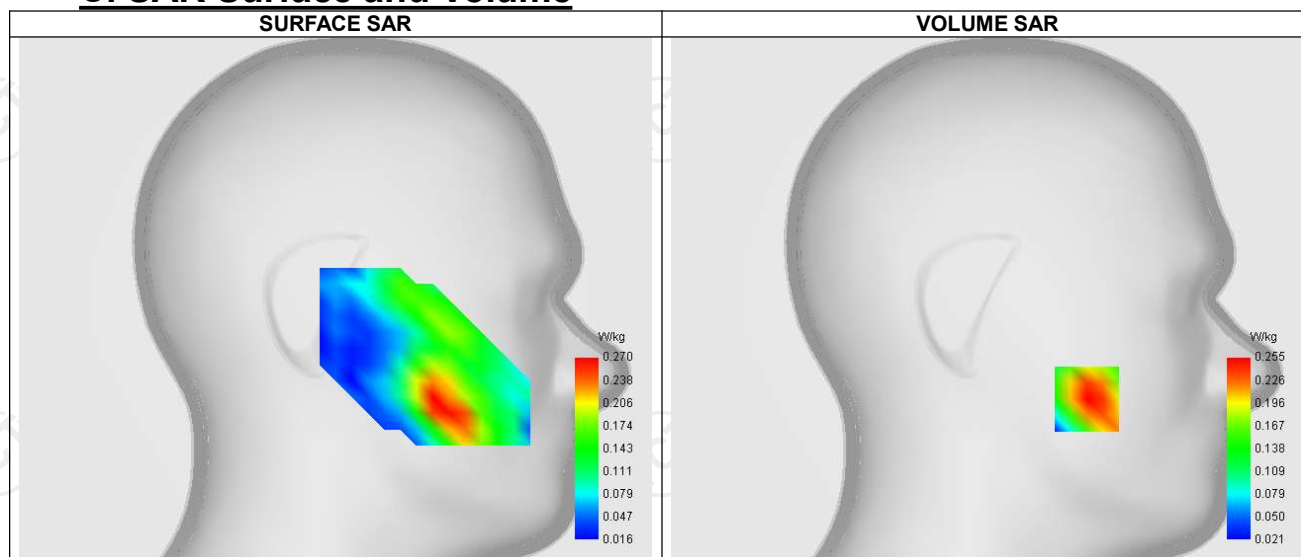
### A. Experimental conditions.

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 36/20 EPG0346                    |
| ConvF           | 1.86                                |
| Area Scan       | sam_direct_droit2_surf8mm.txt       |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Left head                           |
| Device Position | Cheek                               |
| Band            | Band 5 (850)                        |
| Channels        | Lower (4132)                        |
| Signal          | WCDMA                               |
| Mode            | Release 99                          |
| Connection Type | RMC, 12.2 kbps                      |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Frequency (MHz)                        | 826.400 |
| Relative permittivity (real part)      | 55.261  |
| Relative permittivity (imaginary part) | 21.378  |
| Conductivity (S/m)                     | 0.934   |

### C. SAR Surface and Volume



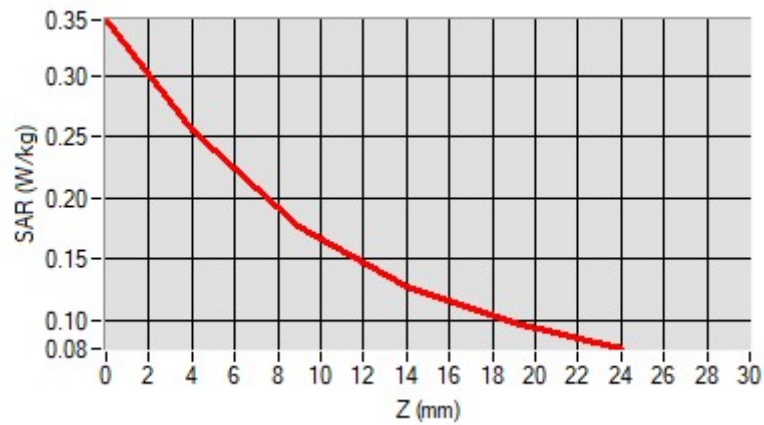
Maximum location: X=-49.00, Y=-49.00 ; SAR Peak: 0.35 W/kg

### D. SAR 1g & 10g

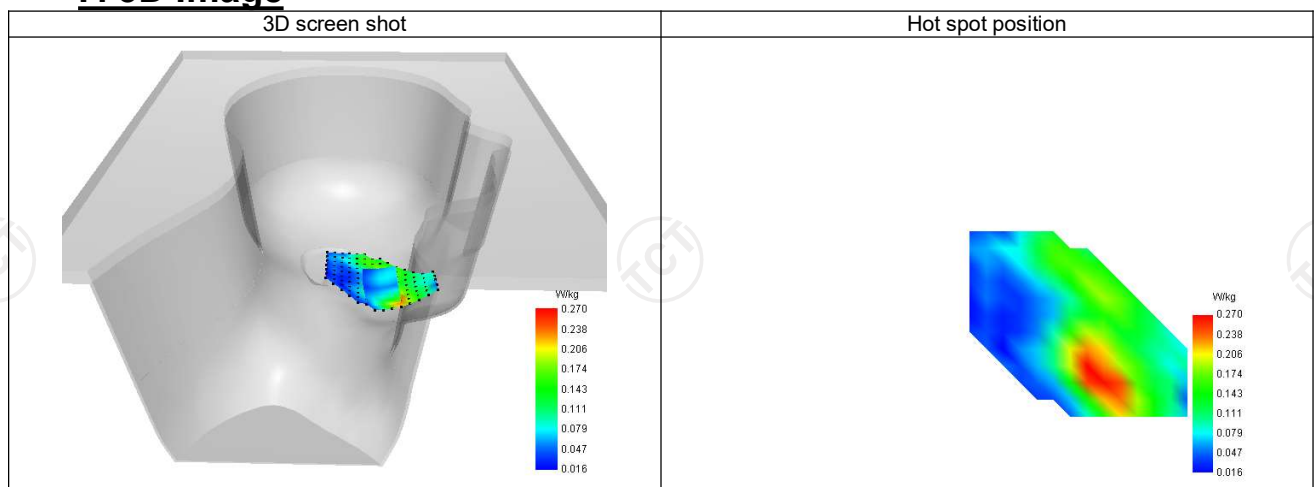
|                                                       |          |
|-------------------------------------------------------|----------|
| SAR 10g (W/Kg)                                        | 0.161    |
| SAR 1g (W/Kg)                                         | 0.226    |
| Variation (%)                                         | -1.450   |
| Horizontal validation criteria: minimum distance (mm) | 0.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 0.000000 |

### E. Z Axis Scan

|            |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 |
| SAR (W/Kg) | 0.346 | 0.255 | 0.177 | 0.128 | 0.098 |



## F. 3D Image



## SAR Measurement at Band 5 (850) (Body, Validation Plane)

Date of measurement: 6/3/2023

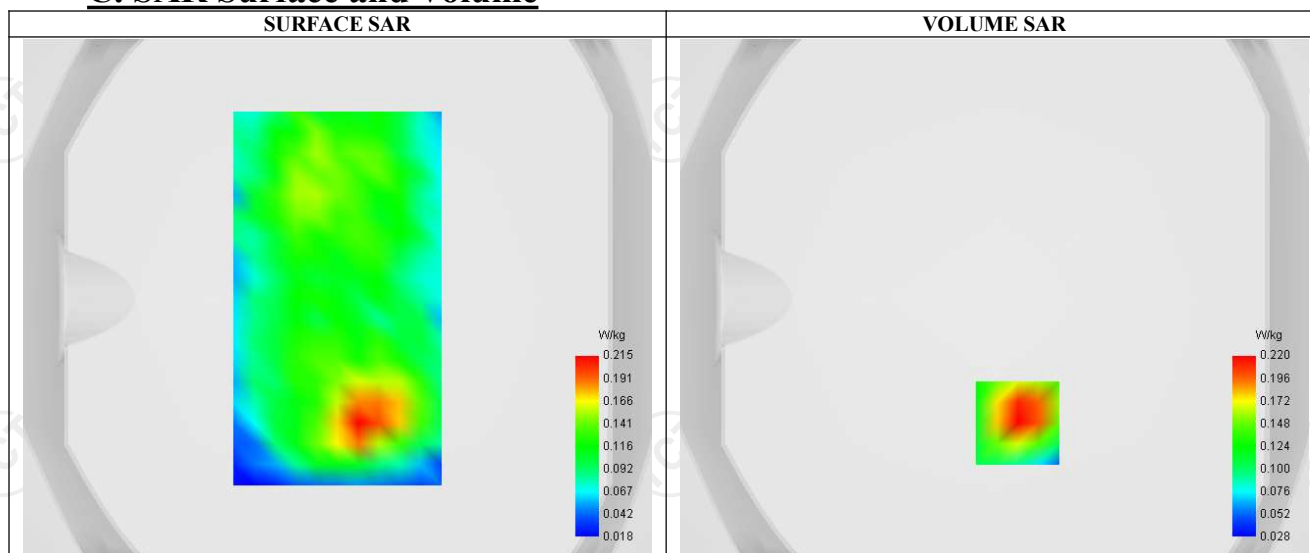
### A. Experimental conditions.

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 36/20 EPG0346                    |
| ConvF           | 1.86                                |
| Area Scan       | surf sam plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | Band 5 (850)                        |
| Channels        | Lower (4132)                        |
| Signal          | WCDMA                               |
| Mode            | Release 99                          |
| Connection Type | RMC, 12.2 kbps                      |

### B. Permittivity

|                                        |         |
|----------------------------------------|---------|
| Frequency (MHz)                        | 826.400 |
| Relative permittivity (real part)      | 55.261  |
| Relative permittivity (imaginary part) | 21.378  |
| Conductivity (S/m)                     | 0.934   |

### C. SAR Surface and Volume



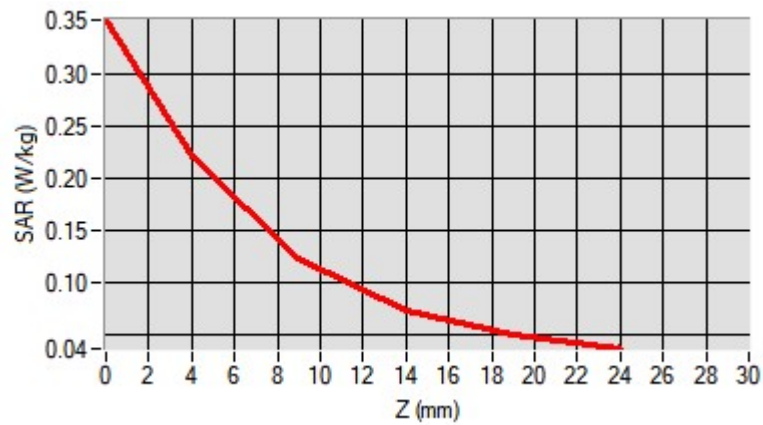
Maximum location: X=9.00, Y=-48.00 ; SAR Peak: 0.36 W/kg

### D. SAR 1g & 10g

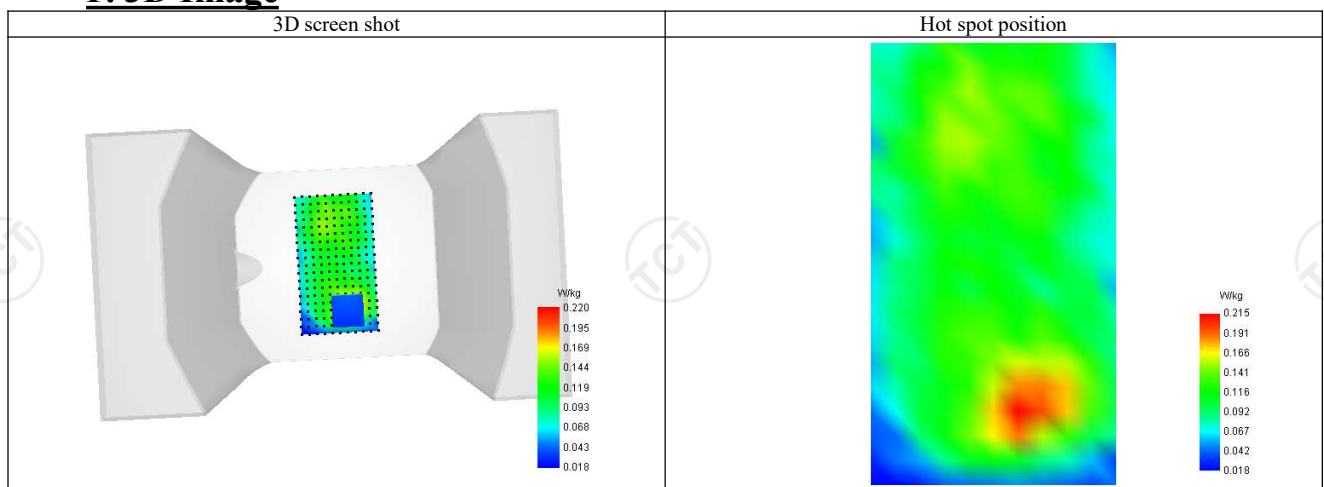
|                                                       |          |
|-------------------------------------------------------|----------|
| SAR 10g (W/Kg)                                        | 0.126    |
| SAR 1g (W/Kg)                                         | 0.218    |
| Variation (%)                                         | 0.060    |
| Horizontal validation criteria: minimum distance (mm) | 0.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 0.000000 |

### E. Z Axis Scan

|            |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 |
| SAR (W/Kg) | 0.351 | 0.220 | 0.122 | 0.072 | 0.049 |



### F. 3D Image



## SAR Measurement at Bluetooth (Cheek, Left)

Date of measurement: 8/3/2023

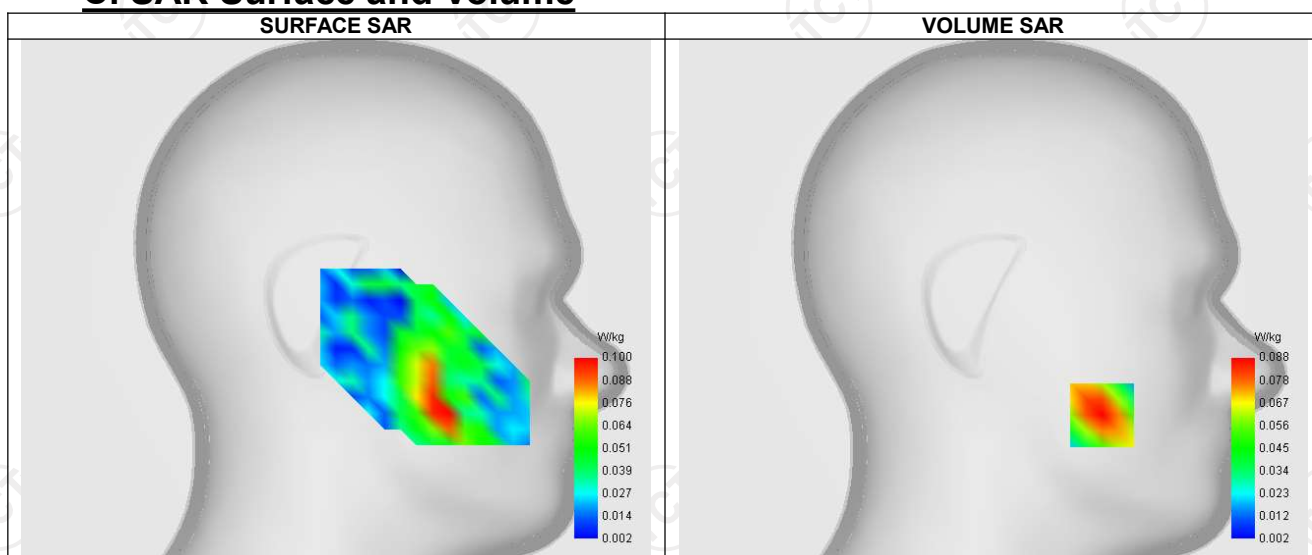
### A. Experimental conditions.

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 36/20 EPG0346                    |
| ConvF           | 2.37                                |
| Area Scan       | sam_direct_droit2_surf8mm.txt       |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Left head                           |
| Device Position | Cheek                               |
| Band            | Bluetooth                           |
| Channels        | Middle (39)                         |
| Signal          | Bluetooth                           |

### B. Permittivity

|                                        |          |
|----------------------------------------|----------|
| Frequency (MHz)                        | 2441.000 |
| Relative permittivity (real part)      | 51.923   |
| Relative permittivity (imaginary part) | 14.932   |
| Conductivity (S/m)                     | 1.995    |

### C. SAR Surface and Volume



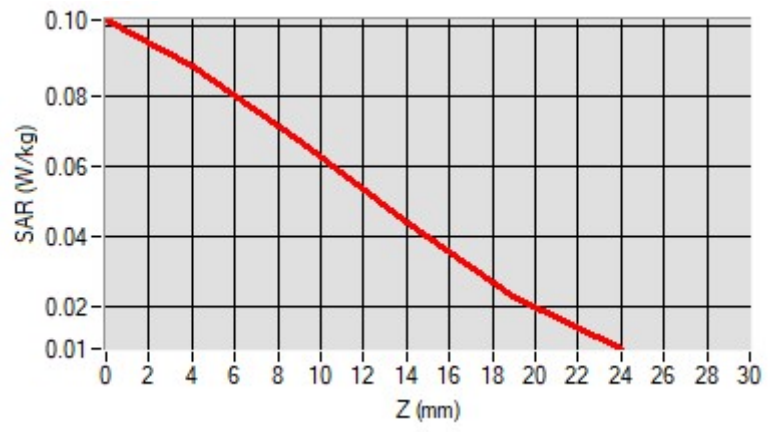
Maximum location: X=-54.00, Y=-57.00 ; SAR Peak: 0.12 W/kg

### D. SAR 1g & 10g

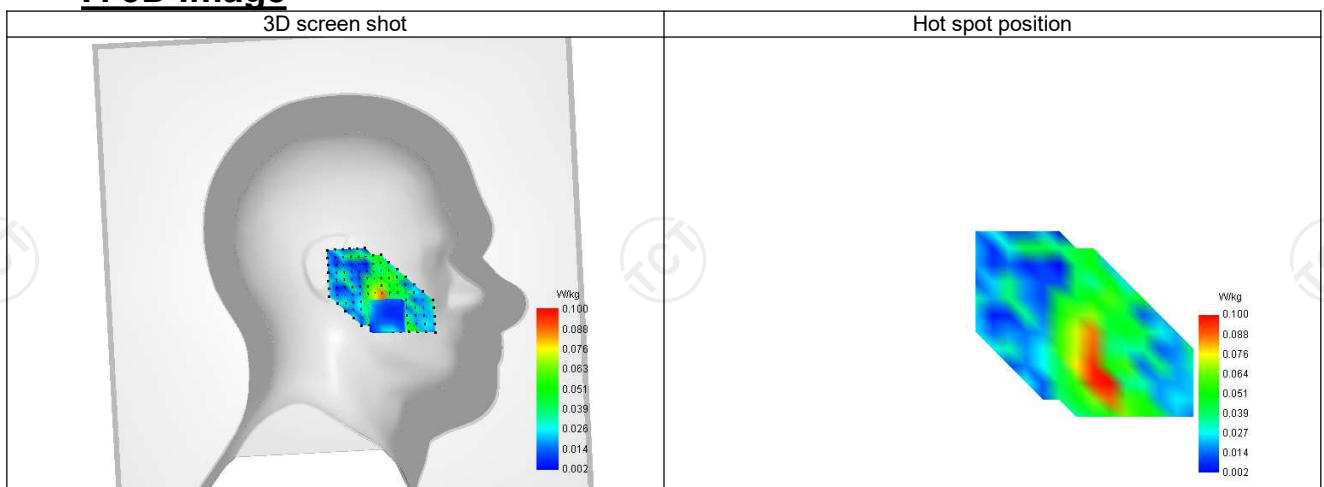
|                                                       |          |
|-------------------------------------------------------|----------|
| SAR 10g (W/Kg)                                        | 0.054    |
| SAR 1g (W/Kg)                                         | 0.085    |
| Variation (%)                                         | -0.280   |
| Horizontal validation criteria: minimum distance (mm) | 0.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 0.000000 |

### E. Z Axis Scan

|            |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 |
| SAR (W/Kg) | 0.102 | 0.088 | 0.067 | 0.044 | 0.023 |



## F. 3D Image



## SAR Measurement at IEEE 802.11b ISM (Cheek, Right)

Date of measurement: 8/3/2023

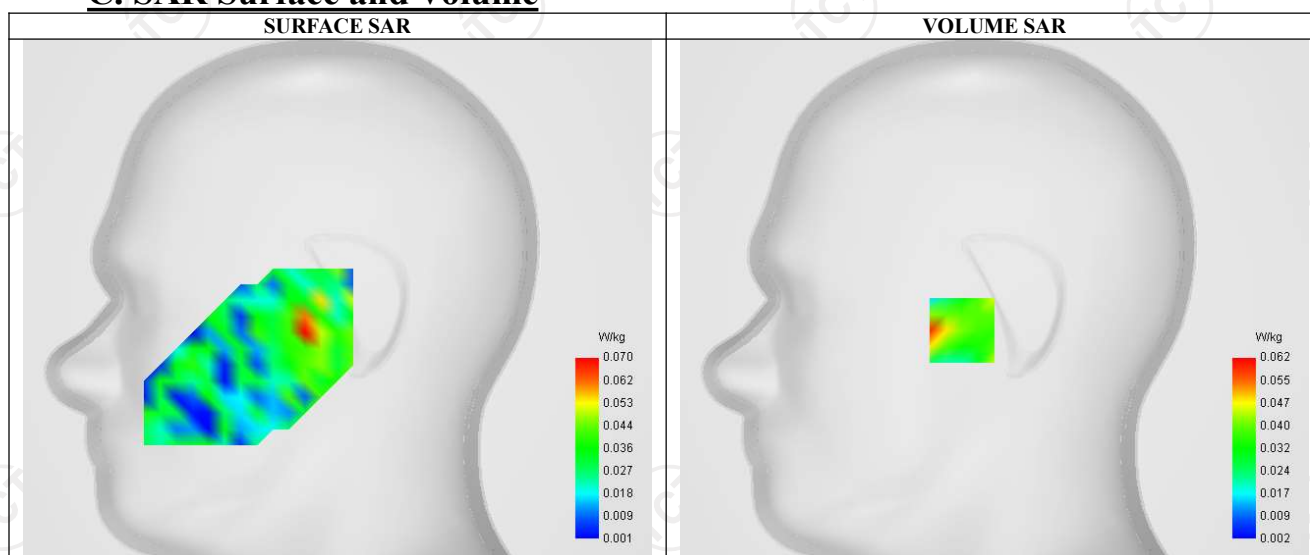
### A. Experimental conditions.

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 36/20 EPG0346                    |
| ConvF           | 2.37                                |
| Area Scan       | sam_direct droit2 surf8mm.txt       |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Right head                          |
| Device Position | Cheek                               |
| Band            | IEEE 802.11b ISM                    |
| Channels        | Lower (1)                           |
| Signal          | IEEE 802.11                         |

### B. Permittivity

|                                        |          |
|----------------------------------------|----------|
| Frequency (MHz)                        | 2412.000 |
| Relative permittivity (real part)      | 51.962   |
| Relative permittivity (imaginary part) | 14.812   |
| Conductivity (S/m)                     | 1.974    |

### C. SAR Surface and Volume



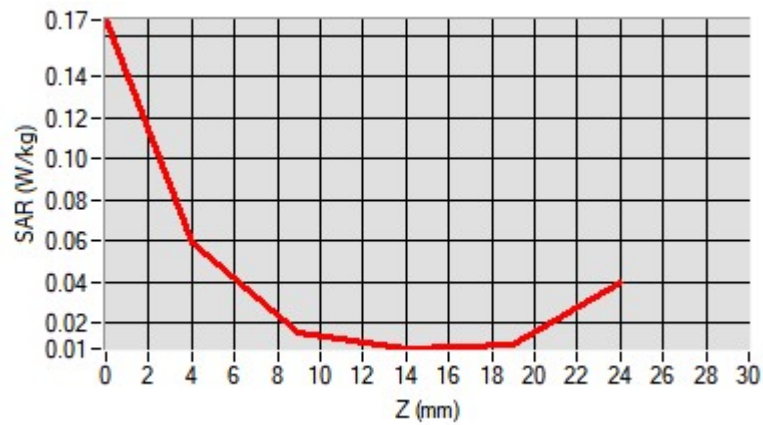
Maximum location: X=-16.00, Y=-15.00 ; SAR Peak: 0.15 W/kg

### D. SAR 1g & 10g

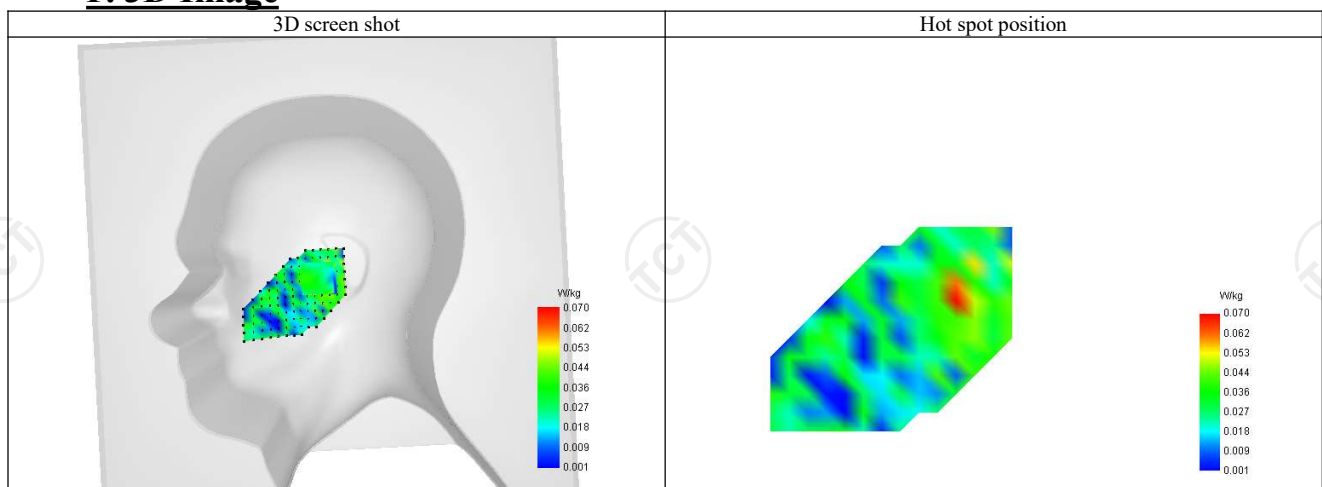
|                                                       |          |
|-------------------------------------------------------|----------|
| SAR 10g (W/Kg)                                        | 0.044    |
| SAR 1g (W/Kg)                                         | 0.058    |
| Variation (%)                                         | 1.790    |
| Horizontal validation criteria: minimum distance (mm) | 0.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 0.000000 |

### E. Z Axis Scan

|            |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 |
| SAR (W/Kg) | 0.168 | 0.059 | 0.015 | 0.007 | 0.009 |



### F. 3D Image



## SAR Measurement at IEEE 802.11b ISM (Body, Validation Plane)

Date of measurement: 8/3/2023

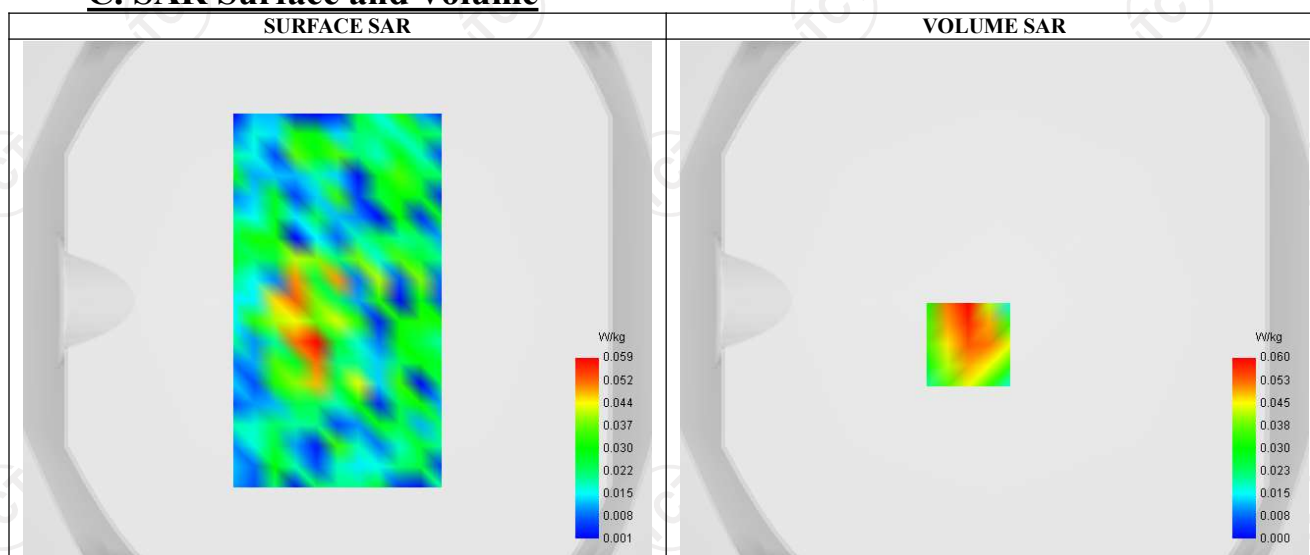
### A. Experimental conditions.

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 36/20 EPG0346                    |
| ConvF           | 2.37                                |
| Area Scan       | surf sam plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | IEEE 802.11b ISM                    |
| Channels        | Lower (1)                           |
| Signal          | IEEE 802.11                         |

### B. Permittivity

|                                        |          |
|----------------------------------------|----------|
| Frequency (MHz)                        | 2412.000 |
| Relative permittivity (real part)      | 51.962   |
| Relative permittivity (imaginary part) | 14.812   |
| Conductivity (S/m)                     | 1.974    |

### C. SAR Surface and Volume



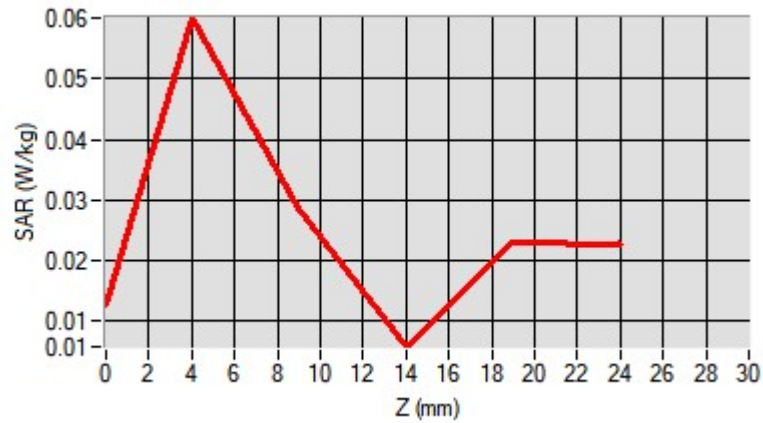
Maximum location: X=-10.00, Y=-17.00 ; SAR Peak: 0.15 W/kg

### D. SAR 1g & 10g

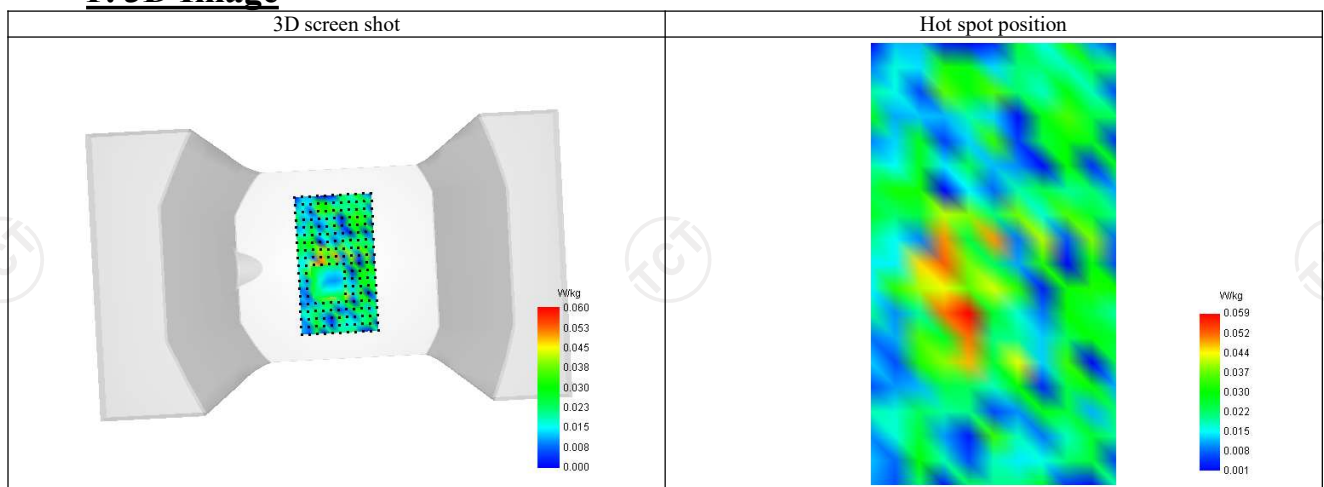
|                                                       |          |
|-------------------------------------------------------|----------|
| SAR 10g (W/Kg)                                        | 0.033    |
| SAR 1g (W/Kg)                                         | 0.060    |
| Variation (%)                                         | 1.490    |
| Horizontal validation criteria: minimum distance (mm) | 0.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 0.000000 |

### E. Z Axis Scan

|            |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 |
| SAR (W/Kg) | 0.013 | 0.060 | 0.029 | 0.006 | 0.023 |



### F. 3D Image



## SAR Measurement at IEEE 802.11ac U-NII (Cheek, Right)

Date of measurement: 9/3/2023

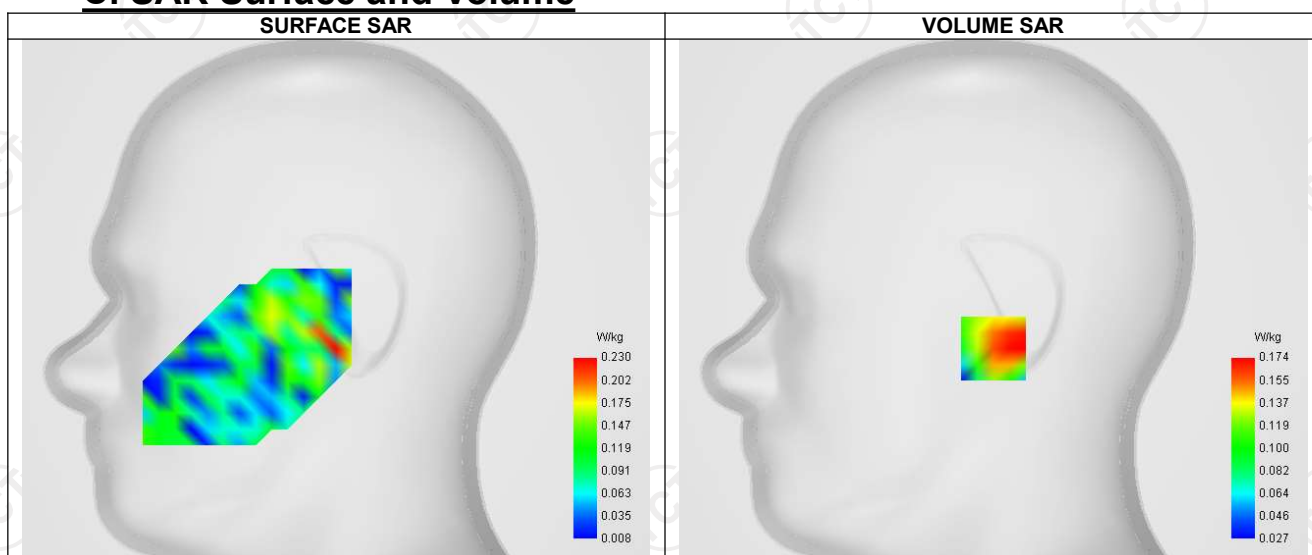
### A. Experimental conditions.

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 36/20 EPG0346                    |
| ConvF           | 2.08                                |
| Area Scan       | sam_direct_droit2_surf8mm.txt       |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Right head                          |
| Device Position | Cheek                               |
| Band            | IEEE 802.11ac U-NII                 |
| Channels        | Lower (38)                          |
| Signal          | IEEE 802.11                         |

### B. Permittivity

|                                        |          |
|----------------------------------------|----------|
| Frequency (MHz)                        | 5190.000 |
| Relative permittivity (real part)      | 49.523   |
| Relative permittivity (imaginary part) | 21.385   |
| Conductivity (S/m)                     | 5.401    |

### C. SAR Surface and Volume



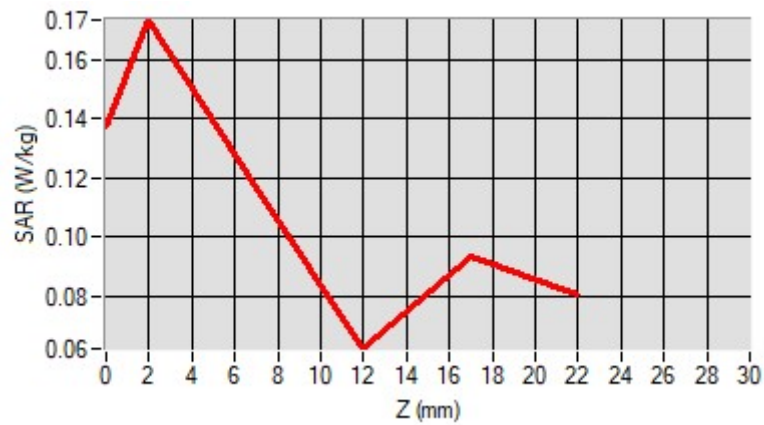
Maximum location: X=0.00, Y=-24.00 ; SAR Peak: 0.31 W/kg

### D. SAR 1g & 10g

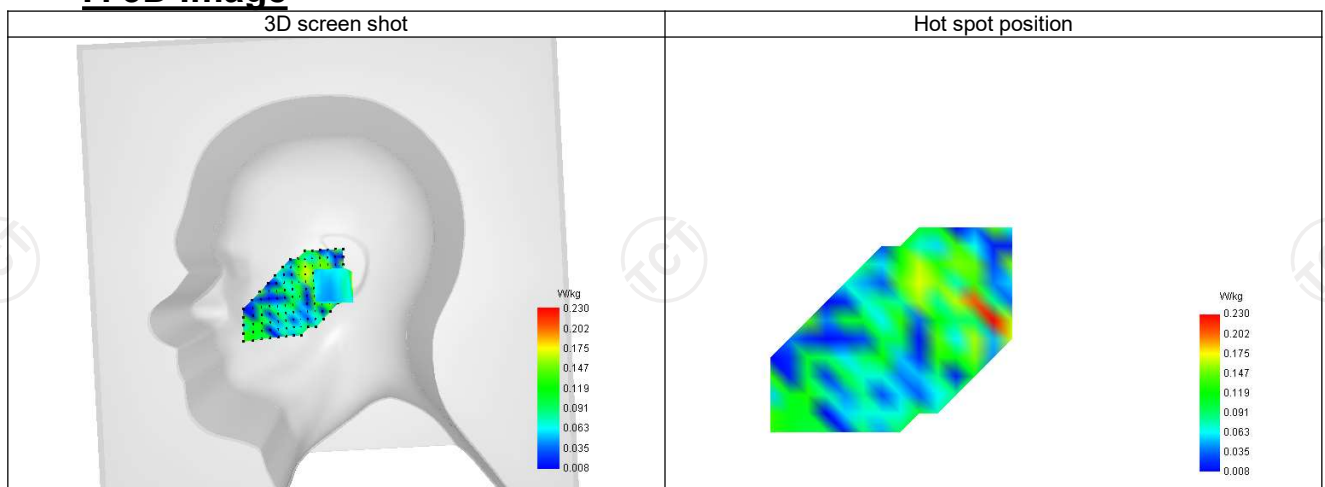
|                                                       |          |
|-------------------------------------------------------|----------|
| SAR 10g (W/Kg)                                        | 0.121    |
| SAR 1g (W/Kg)                                         | 0.177    |
| Variation (%)                                         | -2.980   |
| Horizontal validation criteria: minimum distance (mm) | 0.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 0.000000 |

### E. Z Axis Scan

|            |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 2.00  | 7.00  | 12.00 | 17.00 |
| SAR (W/Kg) | 0.138 | 0.174 | 0.117 | 0.062 | 0.094 |



## F. 3D Image



## SAR Measurement at IEEE 802.11ac U-NII (Body, Validation Plane)

Date of measurement: 9/3/2023

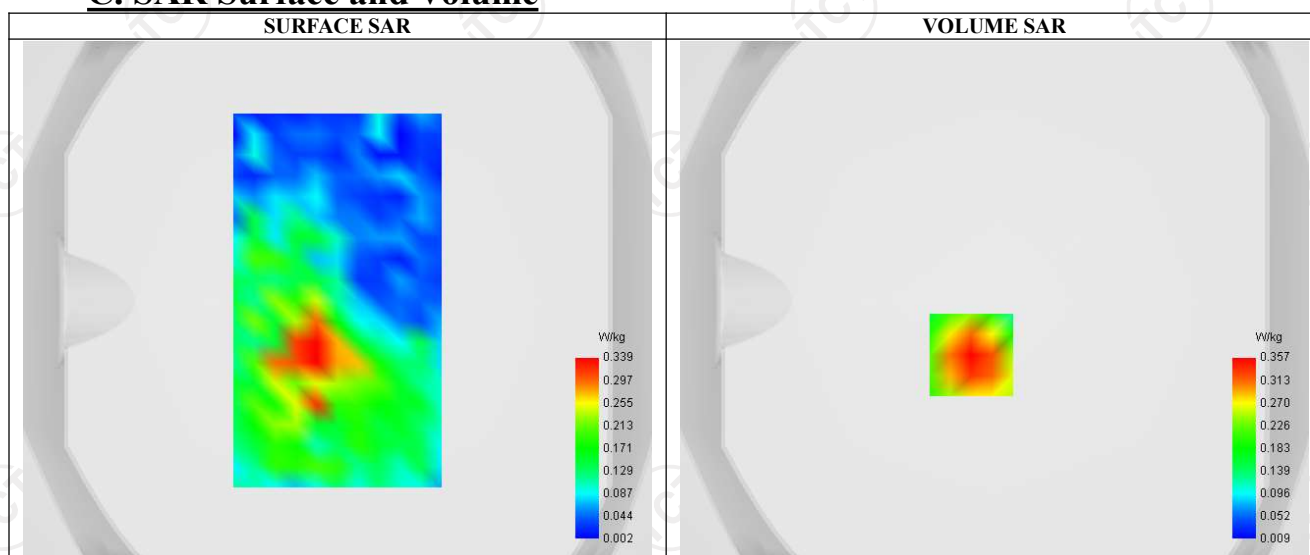
### A. Experimental conditions.

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 36/20 EPG0346                    |
| ConvF           | 2.08                                |
| Area Scan       | surf sam plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | IEEE 802.11ac U-NII                 |
| Channels        | Lower (38)                          |
| Signal          | IEEE 802.11                         |

### B. Permittivity

|                                        |          |
|----------------------------------------|----------|
| Frequency (MHz)                        | 5190.000 |
| Relative permittivity (real part)      | 49.523   |
| Relative permittivity (imaginary part) | 21.385   |
| Conductivity (S/m)                     | 5.401    |

### C. SAR Surface and Volume

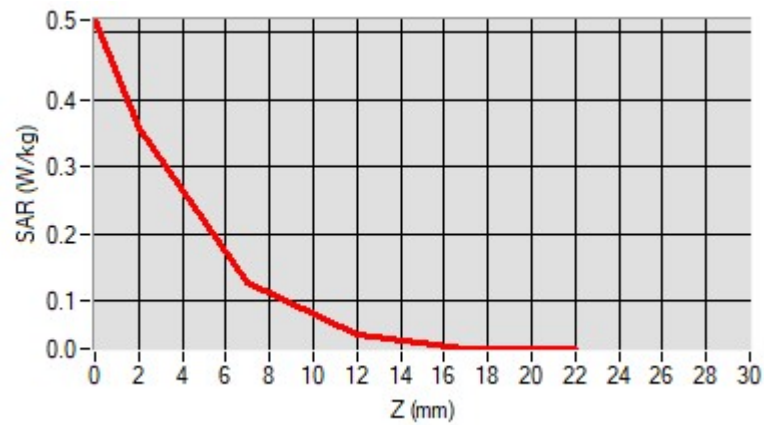


### D. SAR 1g & 10g

|                                                       |          |
|-------------------------------------------------------|----------|
| SAR 10g (W/Kg)                                        | 0.123    |
| SAR 1g (W/Kg)                                         | 0.240    |
| Variation (%)                                         | 2.000    |
| Horizontal validation criteria: minimum distance (mm) | 0.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 0.000000 |

### E. Z Axis Scan

|            |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|
| Z (mm)     | 0.00  | 2.00  | 7.00  | 12.00 | 17.00 |
| SAR (W/Kg) | 0.519 | 0.357 | 0.129 | 0.050 | 0.030 |



### F. 3D Image

