

## **Appendix B: Plots of SAR Test Data**

**SAR Measurement at GSM850 (Tilt, Right)**

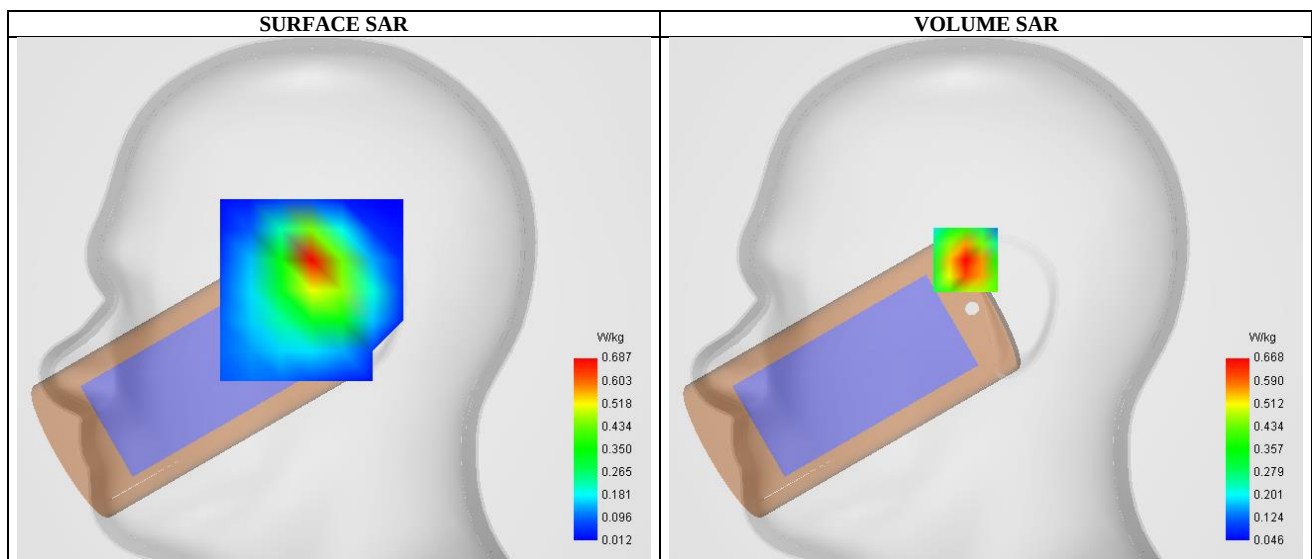
Date of measurement: 4/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 1.73                                |
| Area Scan       | dx=15mm dy=15mm                     |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Right head                          |
| Device Position | Tilt                                |
| Band            | GSM850                              |
| Channels        | Middle                              |
| Signal          | TDMA (Crest factor: 8.0)            |

**B. Permittivity**

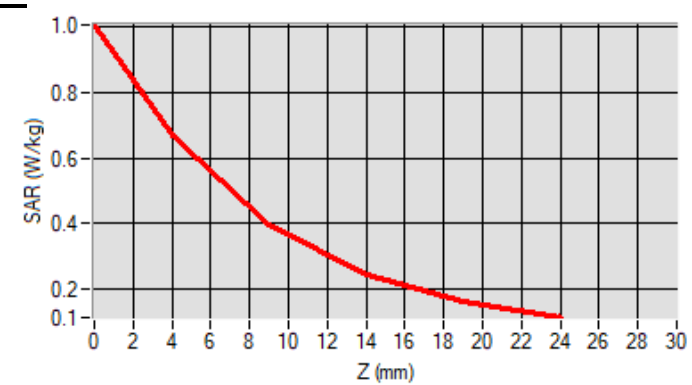
|                                   |            |
|-----------------------------------|------------|
| Frequency (MHz)                   | 836.599976 |
| Relative permittivity (real part) | 40.710000  |
| Conductivity (S/m)                | 0.901123   |

**C. SAR Surface and Volume**

Maximum location: X=-10.00, Y=20.00 ; SAR Peak: 1.01 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.368326  |
| SAR 1g (W/Kg)  | 0.626384  |
| Variation (%)  | -0.600000 |

**E. Z Axis Scan**

**SAR Measurement at GSM1900 (Tilt, Right)**

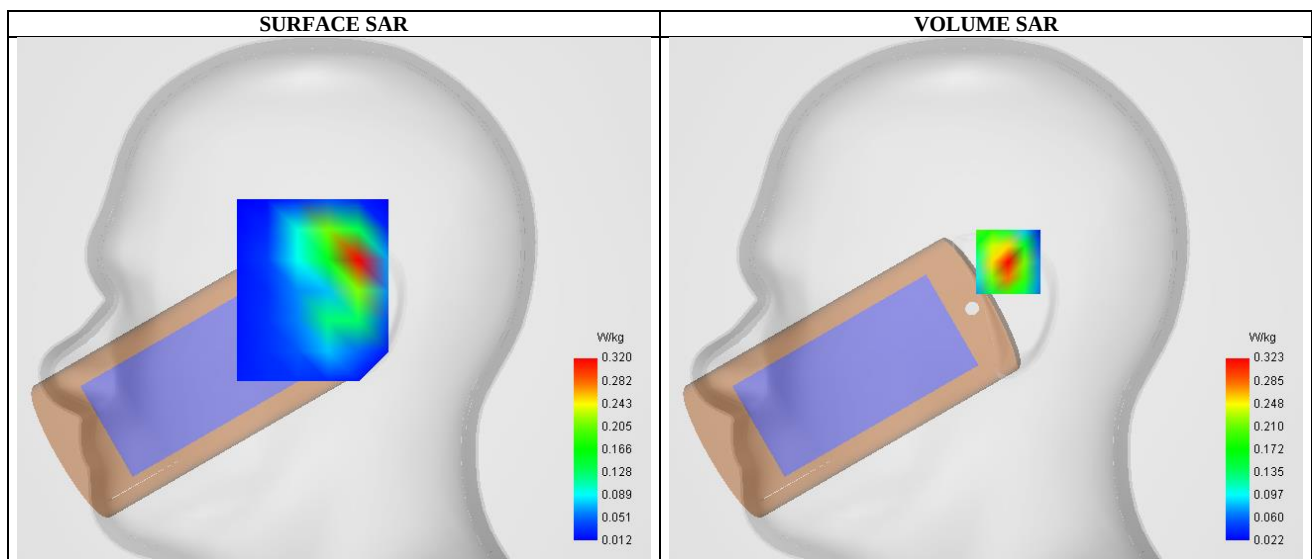
Date of measurement: 6/11/2022

**A. Experimental conditions.**

|                 |                                       |
|-----------------|---------------------------------------|
| Probe           | SN 18/21 EPG0354                      |
| ConvF           | 2.00                                  |
| Area Scan       | dx=15mm dy=15mm                       |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm, Complete |
| Phantom         | Right head                            |
| Device Position | Tilt                                  |
| Band            | GSM1900                               |
| Channels        | Low                                   |
| Signal          | TDMA (Crest factor: 8.0)              |

**B. Permittivity**

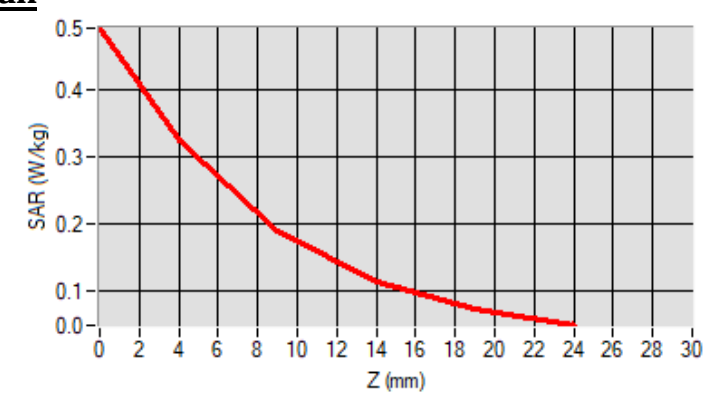
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 1850.199951 |
| Relative permittivity (real part) | 39.220000   |
| Conductivity (S/m)                | 1.360340    |

**C. SAR Surface and Volume**

Maximum location: X=11.00, Y=19.00 ; SAR Peak: 0.50 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.159285  |
| SAR 1g (W/Kg)  | 0.296838  |
| Variation (%)  | -2.560000 |

**E. Z Axis Scan**

**SAR Measurement at Band2\_WCDMA1900 (Tilt, Right)**

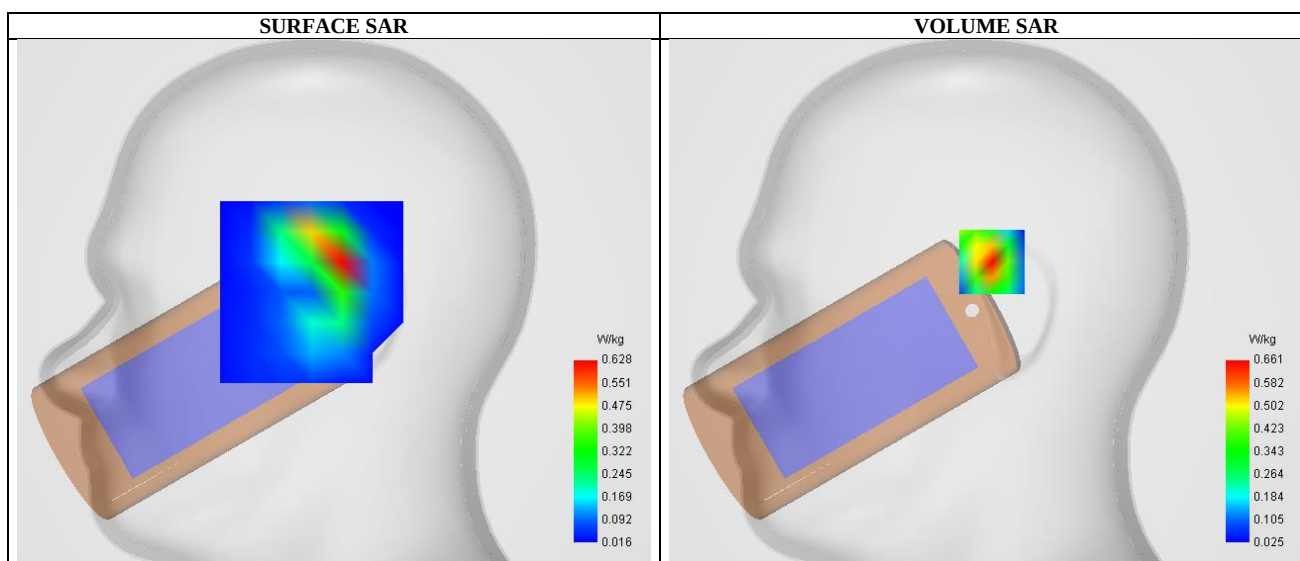
Date of measurement: 6/11/2022

**A. Experimental conditions.**

|                 |                                       |
|-----------------|---------------------------------------|
| Probe           | SN 18/21 EPG0354                      |
| ConvF           | 2.00                                  |
| Area Scan       | dx=15mm dy=15mm                       |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm, Complete |
| Phantom         | Right head                            |
| Device Position | Tilt                                  |
| Band            | Band2_WCDMA1900                       |
| Channels        | High                                  |
| Signal          | WCDMA (Crest factor: 1.0)             |

**B. Permittivity**

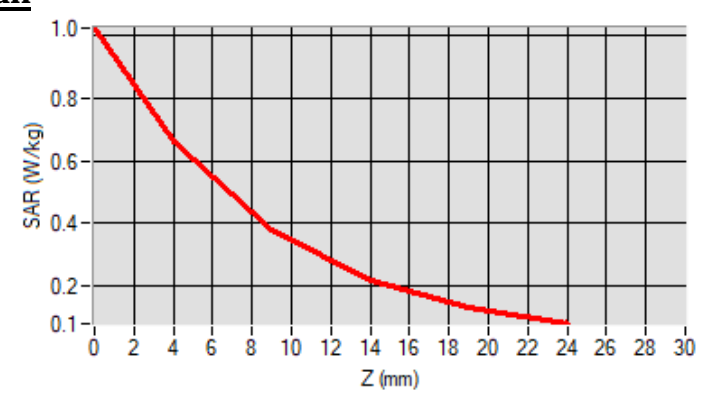
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 1907.599976 |
| Relative permittivity (real part) | 39.410000   |
| Conductivity (S/m)                | 1.376534    |

**C. SAR Surface and Volume**

Maximum location: X=3.00, Y=20.00 ; SAR Peak: 1.03 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.314518  |
| SAR 1g (W/Kg)  | 0.604396  |
| Variation (%)  | -3.940000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (WCDMA 1700) (Tilt, Right)**

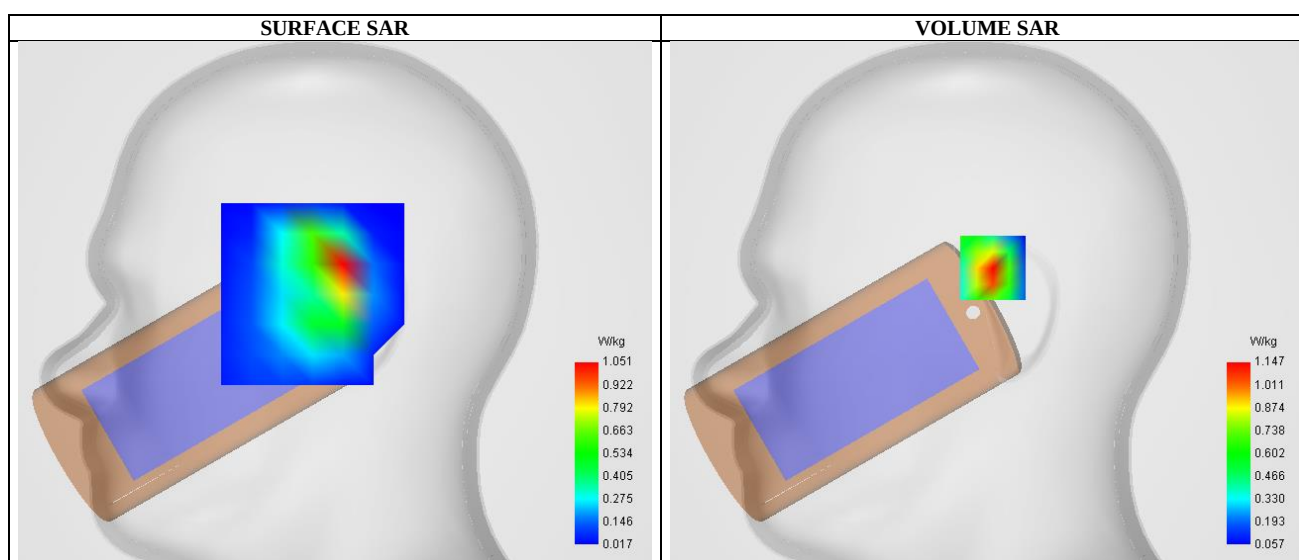
Date of measurement: 6/11/2022

**A. Experimental conditions.**

|                 |                                       |
|-----------------|---------------------------------------|
| Probe           | SN 18/21 EPG0354                      |
| ConvF           | 2.05                                  |
| Area Scan       | dx=15mm dy=15mm                       |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm, Complete |
| Phantom         | Right head                            |
| Device Position | Tilt                                  |
| Band            | Band4_WCDMA1700                       |
| Channels        | High                                  |
| Signal          | WCDMA (Crest factor: 1.0)             |

**B. Permittivity**

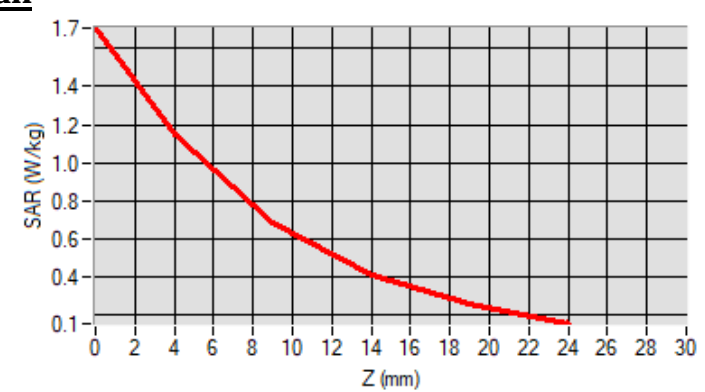
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 1752.599976 |
| Relative permittivity (real part) | 39.694744s  |
| Conductivity (S/m)                | 1.351441    |

**C. SAR Surface and Volume**

Maximum location: X=3.00, Y=18.00 ; SAR Peak: 1.76 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.556220  |
| SAR 1g (W/Kg)  | 1.058474  |
| Variation (%)  | -3.050000 |

**E. Z Axis Scan**

## SAR Measurement at Band5\_WCDMA850 (Tilt, Right)

Date of measurement: 4/11/2022

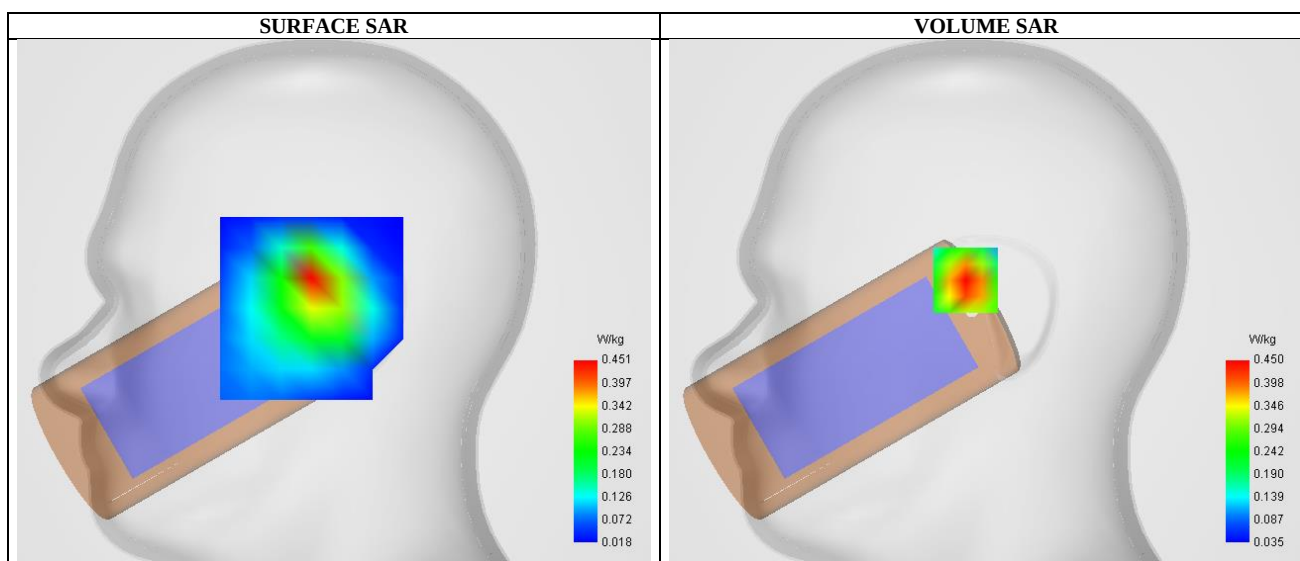
### A. Experimental conditions.

|                 |                                       |
|-----------------|---------------------------------------|
| Probe           | SN 18/21 EPG0354                      |
| ConvF           | 1.73                                  |
| Area Scan       | dx=15mm dy=15mm                       |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm, Complete |
| Phantom         | Right head                            |
| Device Position | Tilt                                  |
| Band            | Band5_WCDMA850                        |
| Channels        | High                                  |
| Signal          | WCDMA (Crest factor: 1.0)             |

### B. Permittivity

|                                   |            |
|-----------------------------------|------------|
| Frequency (MHz)                   | 846.599976 |
| Relative permittivity (real part) | 40.820000  |
| Conductivity (S/m)                | 0.901724   |

### C. SAR Surface and Volume

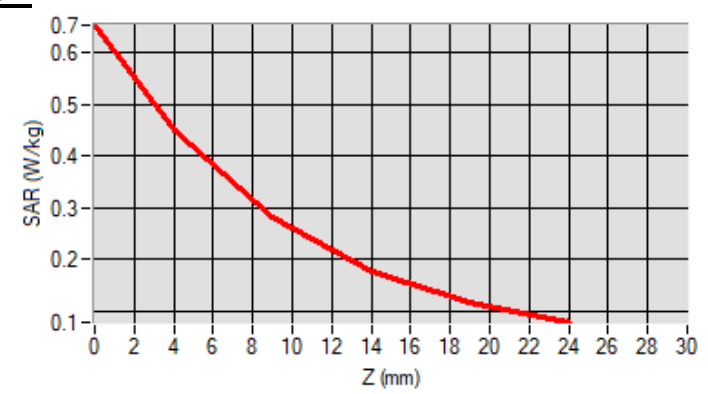


Maximum location: X=-10.00, Y=11.00 ; SAR Peak: 0.65 W/kg

### D. SAR 1g & 10g

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.254690  |
| SAR 1g (W/Kg)  | 0.422068  |
| Variation (%)  | -2.310000 |

### E. Z Axis Scan



## SAR Measurement at LTE band 2 (Tilt, Right)

Date of measurement: 6/11/2022

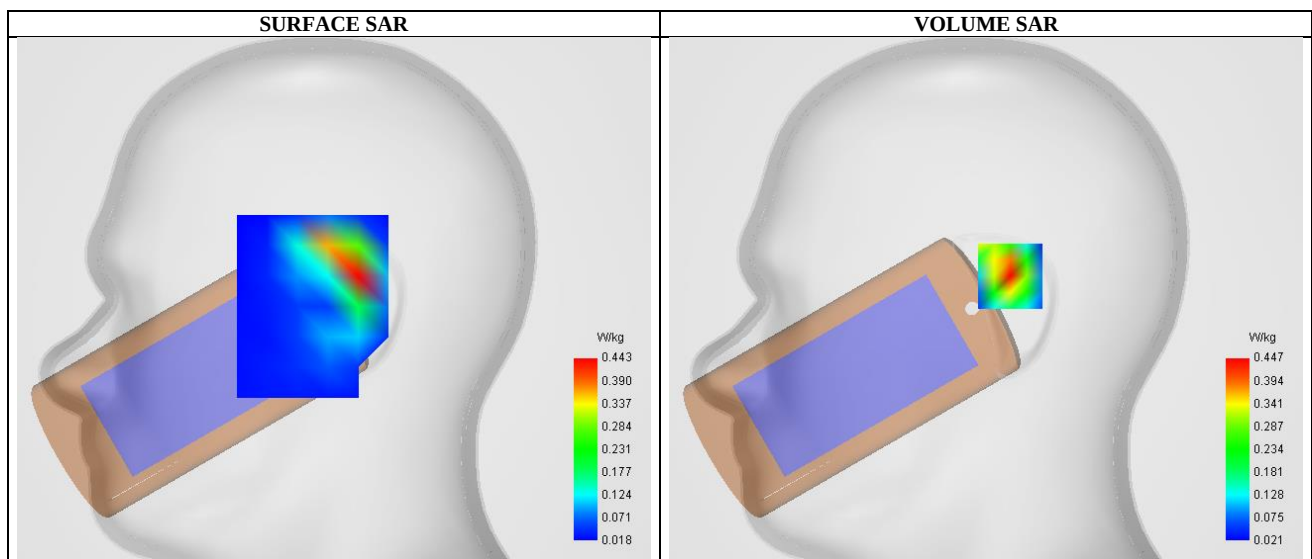
### A. Experimental conditions.

|                 |                                       |
|-----------------|---------------------------------------|
| Probe           | SN 18/21 EPG0354                      |
| ConvF           | 2.00                                  |
| Area Scan       | dx=15mm dy=15mm                       |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm, Complete |
| Phantom         | Right head                            |
| Device Position | Tilt                                  |
| Band            | LTE band 2                            |
| Channels        | Low                                   |
| Signal          | LTE (Crest factor: 1.0)               |

### B. Permittivity

|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 1860.000000 |
| Relative permittivity (real part) | 39.275280   |
| Conductivity (S/m)                | 1.365304    |

### C. SAR Surface and Volume

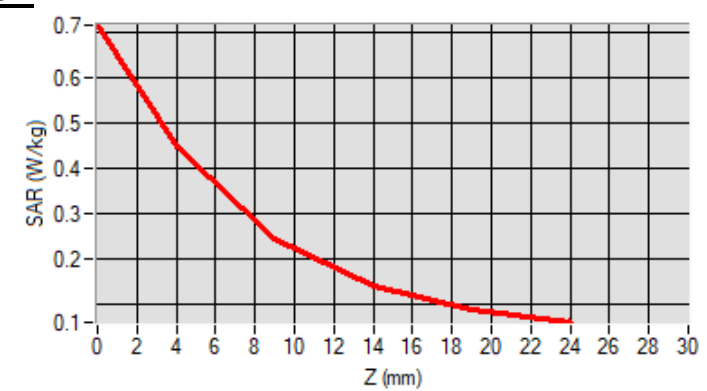


Maximum location: X=12.00, Y=12.00 ; SAR Peak: 0.71 W/kg

### D. SAR 1g & 10g

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.203430  |
| SAR 1g (W/Kg)  | 0.359401  |
| Variation (%)  | -1.940000 |

### E. Z Axis Scan



## SAR Measurement at LTE band 5 (Tilt, Right)

Date of measurement: 4/11/2022

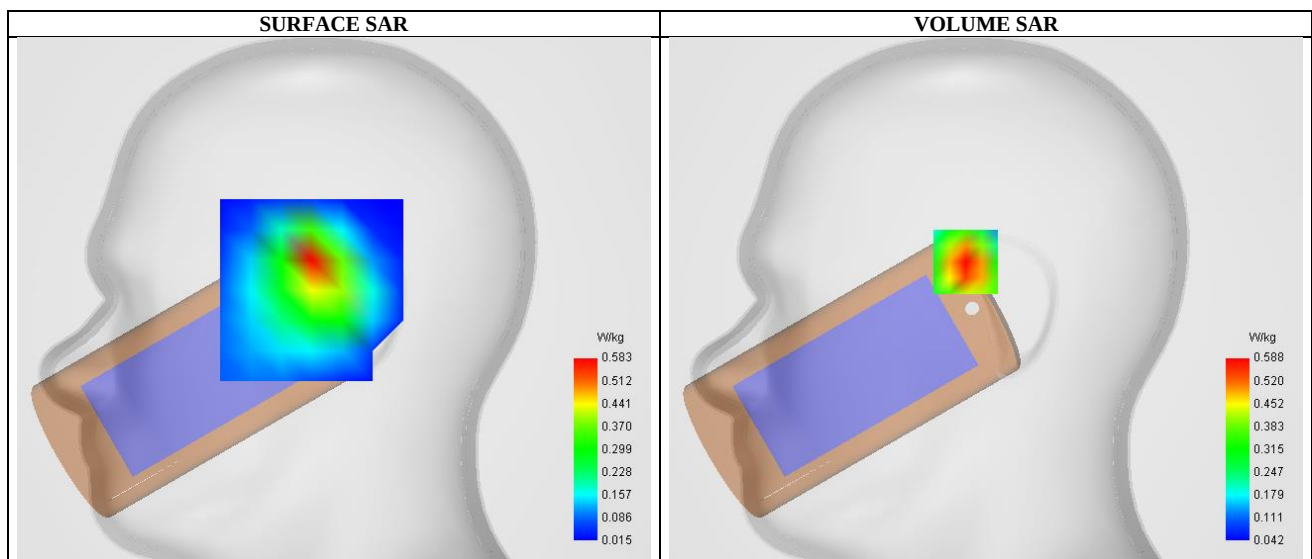
### A. Experimental conditions.

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 1.73                                |
| Area Scan       | dx=15mm dy=15mm                     |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Right head                          |
| Device Position | Tilt                                |
| Band            | LTE band 5                          |
| Channels        | Middle                              |
| Signal          | LTE (Crest factor: 1.0)             |

### B. Permittivity

|                                   |            |
|-----------------------------------|------------|
| Frequency (MHz)                   | 836.500000 |
| Relative permittivity (real part) | 40.590000  |
| Conductivity (S/m)                | 0.900531   |

### C. SAR Surface and Volume

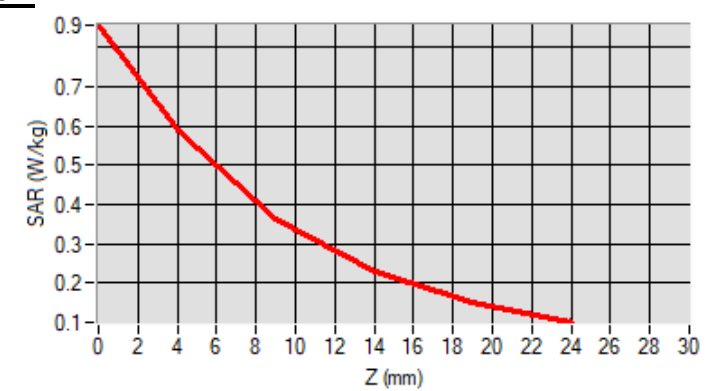


Maximum location: X=-10.00, Y=19.00 ; SAR Peak: 0.86 W/kg

### D. SAR 1g & 10g

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.330315  |
| SAR 1g (W/Kg)  | 0.551766  |
| Variation (%)  | -1.950000 |

### E. Z Axis Scan



**SAR Measurement at LTE band 7 (Cheek, Right)**

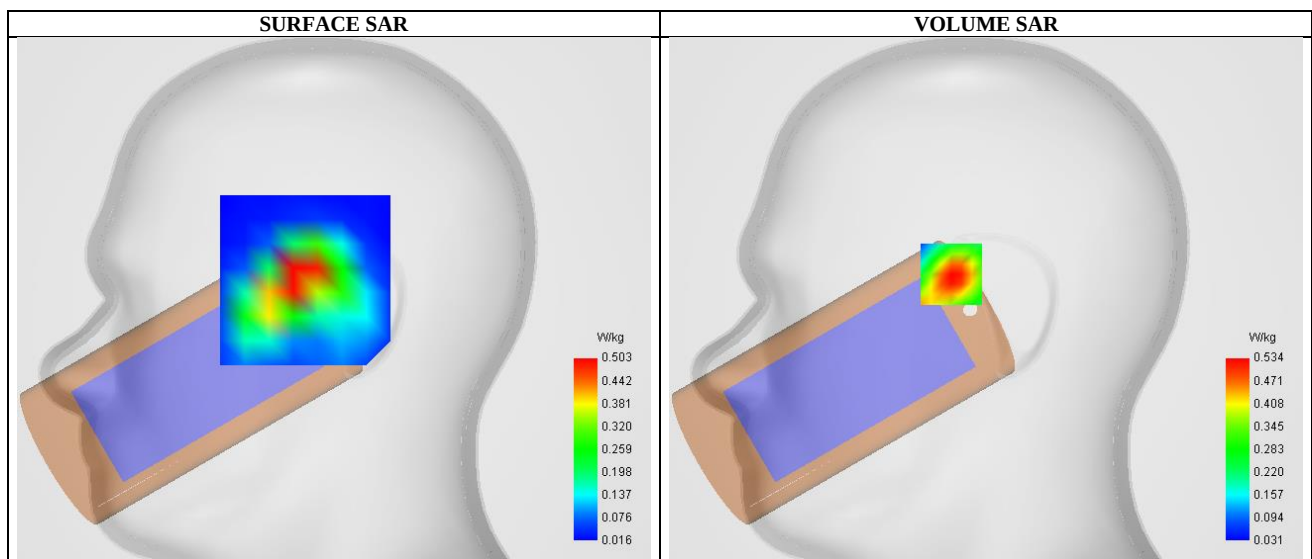
Date of measurement: 9/11/2022

**A. Experimental conditions.**

|                 |                                       |
|-----------------|---------------------------------------|
| Probe           | SN 18/21 EPG0354                      |
| ConvF           | 2.27                                  |
| Area Scan       | dx=12mm dy=12mm                       |
| Zoom Scan       | 7x7x7, dx=5mm dy=5mm dz=5mm, Complete |
| Phantom         | Right head                            |
| Device Position | Cheek                                 |
| Band            | LTE band 7                            |
| Channels        | High                                  |
| Signal          | LTE (Crest factor: 1.0)               |

**B. Permittivity**

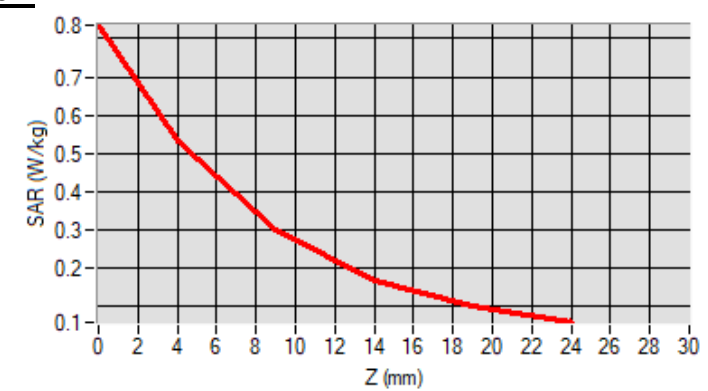
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 2560.000000 |
| Relative permittivity (real part) | 38.186666   |
| Conductivity (S/m)                | 1.937491    |

**C. SAR Surface and Volume**

Maximum location: X=-17.00, Y=13.00 ; SAR Peak: 0.86 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.268671  |
| SAR 1g (W/Kg)  | 0.496081  |
| Variation (%)  | -1.450000 |

**E. Z Axis Scan**

**SAR Measurement at LTE band 12 (Tilt, Right)**

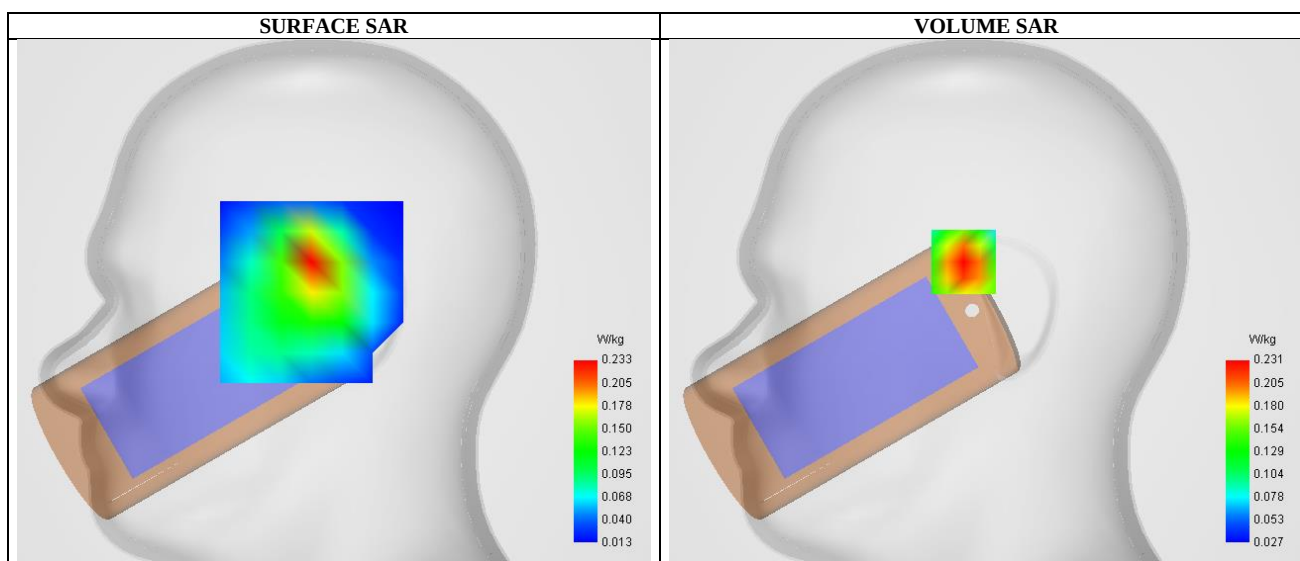
Date of measurement: 4/11/2022

**A. Experimental conditions.**

|                 |                                       |
|-----------------|---------------------------------------|
| Probe           | SN 18/21 EPG0354                      |
| ConvF           | 1.70                                  |
| Area Scan       | dx=15mm dy=15mm                       |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm, Complete |
| Phantom         | Right head                            |
| Device Position | Tilt                                  |
| Band            | LTE band 12                           |
| Channels        | Low                                   |
| Signal          | LTE (Crest factor: 1.0)               |

**B. Permittivity**

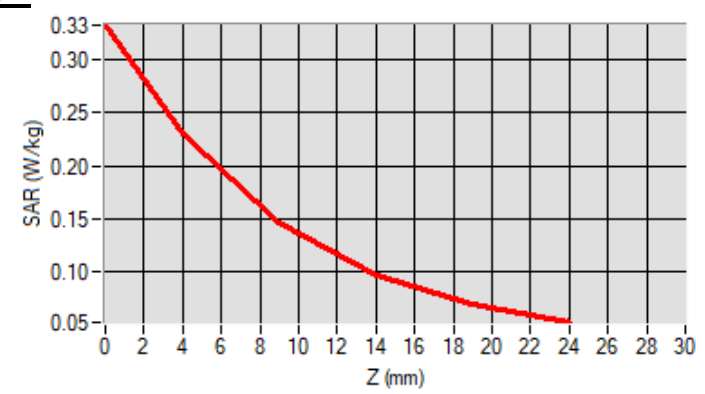
|                                   |            |
|-----------------------------------|------------|
| Frequency (MHz)                   | 704.000000 |
| Relative permittivity (real part) | 41.126137  |
| Conductivity (S/m)                | 0.874404   |

**C. SAR Surface and Volume**

Maximum location: X=-11.00, Y=20.00 ; SAR Peak: 0.33 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.141451  |
| SAR 1g (W/Kg)  | 0.222899  |
| Variation (%)  | -2.170000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (LTE Band 41 ) (Tilt, Right)**

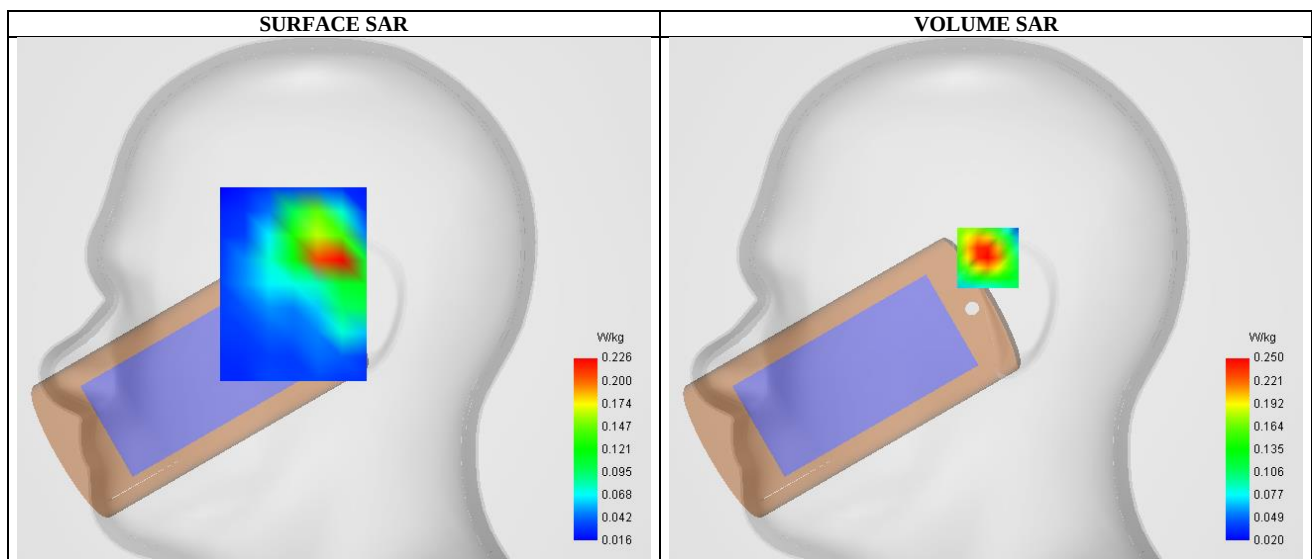
Date of measurement: 9/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.27                                |
| Area Scan       | dx=12mm dy=12mm                     |
| Zoom Scan       | 7x7x7,dx=5mm dy=5mm dz=5mm,Complete |
| Phantom         | Right head                          |
| Device Position | Tilt                                |
| Band            | LTE band 41                         |
| Channels        | High                                |
| Signal          | LTE (Crest factor: 1.0)             |

**B. Permittivity**

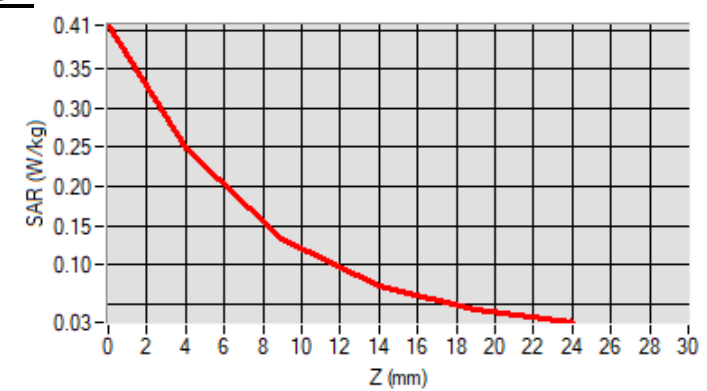
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 2680.000000 |
| Relative permittivity (real part) | 38.263351   |
| Conductivity (S/m)                | 1.952401    |

**C. SAR Surface and Volume**

Maximum location: X=1.00, Y=21.00 ; SAR Peak: 0.41 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.119921  |
| SAR 1g (W/Kg)  | 0.230552  |
| Variation (%)  | -1.390000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (LTE Band 66) (Tilt, Right)**

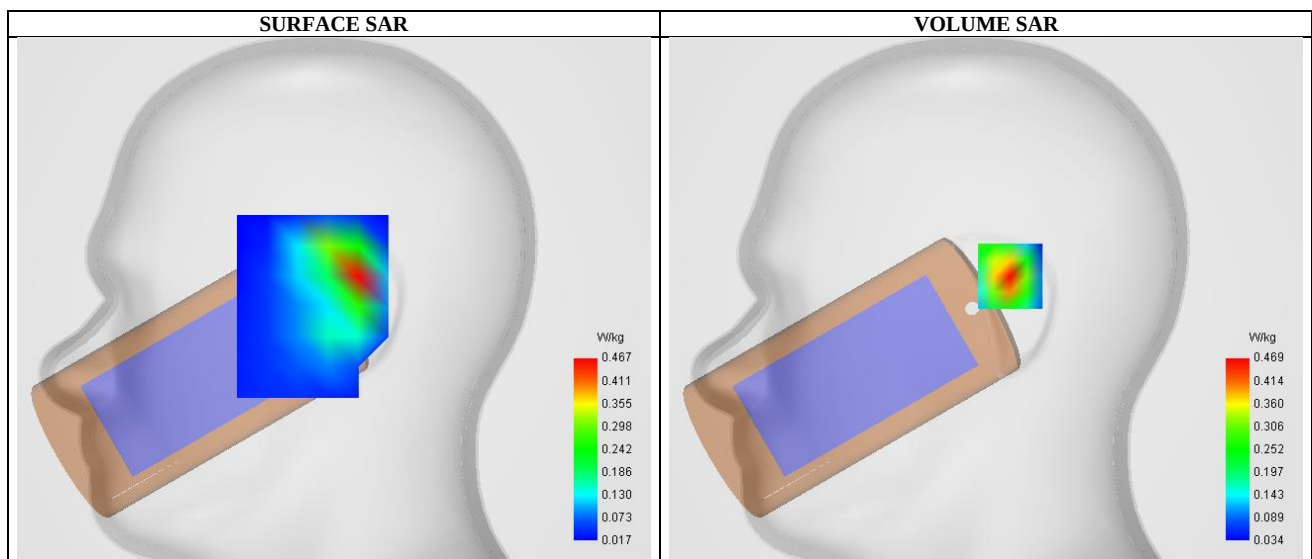
Date of measurement: 6/11/2022

**A. Experimental conditions.**

|                 |                                       |
|-----------------|---------------------------------------|
| Probe           | SN 18/21 EPG0354                      |
| ConvF           | 2.05                                  |
| Area Scan       | dx=15mm dy=15mm                       |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm, Complete |
| Phantom         | Right head                            |
| Device Position | Tilt                                  |
| Band            | LTE band 66                           |
| Channels        | Middle                                |
| Signal          | LTE (Crest factor: 1.0)               |

**B. Permittivity**

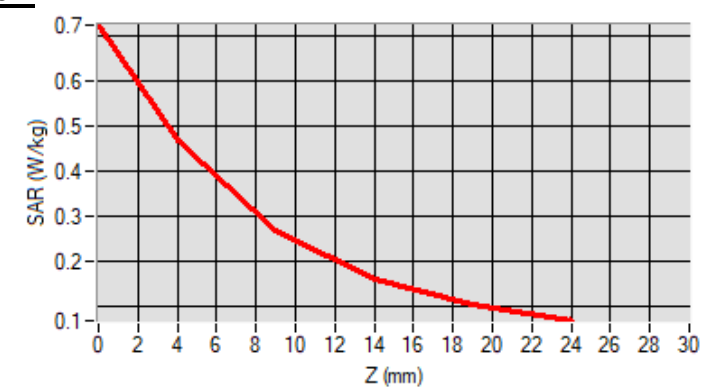
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 1745.000000 |
| Relative permittivity (real part) | 39.631000   |
| Conductivity (S/m)                | 1.350124    |

**C. SAR Surface and Volume**

Maximum location: X=12.00, Y=12.00 ; SAR Peak: 0.73 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.229130  |
| SAR 1g (W/Kg)  | 0.430888  |
| Variation (%)  | -0.290000 |

**E. Z Axis Scan**

## **SAR Measurement at CUSTOM (NRn5) (Tilt, Right)**

Date of measurement: 4/11/2022

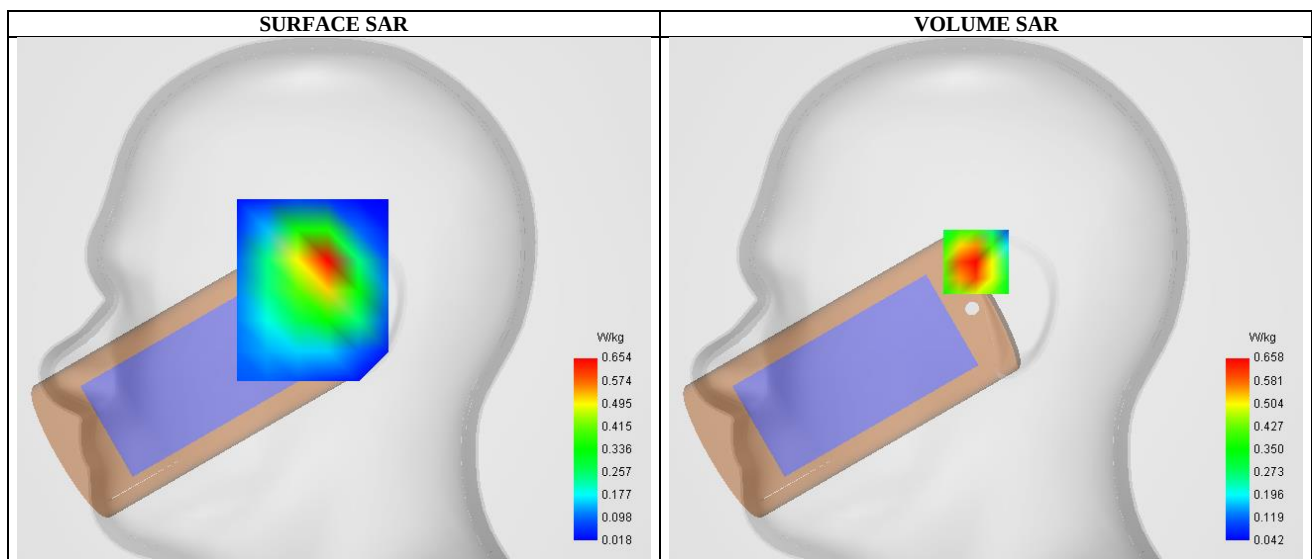
### **A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 1.70                                |
| Area Scan       | dx=15mm dy=15mm                     |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Right head                          |
| Device Position | Tilt                                |
| Band            | NR n5                               |
| Channels        | High                                |
| Signal          | NR (Crest factor: 1.0)              |

### **B. Permittivity**

|                                   |            |
|-----------------------------------|------------|
| Frequency (MHz)                   | 839.000000 |
| Relative permittivity (real part) | 40.715000  |
| Conductivity (S/m)                | 0.890151   |

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

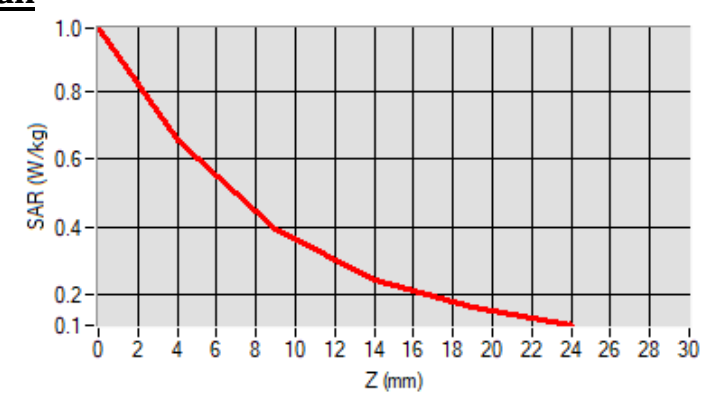


Maximum location: X=-5.00, Y=19.00 ; SAR Peak: 0.99 W/kg

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

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.372023 |
| SAR 1g (W/Kg)  | 0.623649 |
| Variation (%)  | 1.940000 |

### **E. Z Axis Scan**



## SAR Measurement at CUSTOM (NRn7) (Cheek, Right)

Date of measurement: 9/11/2022

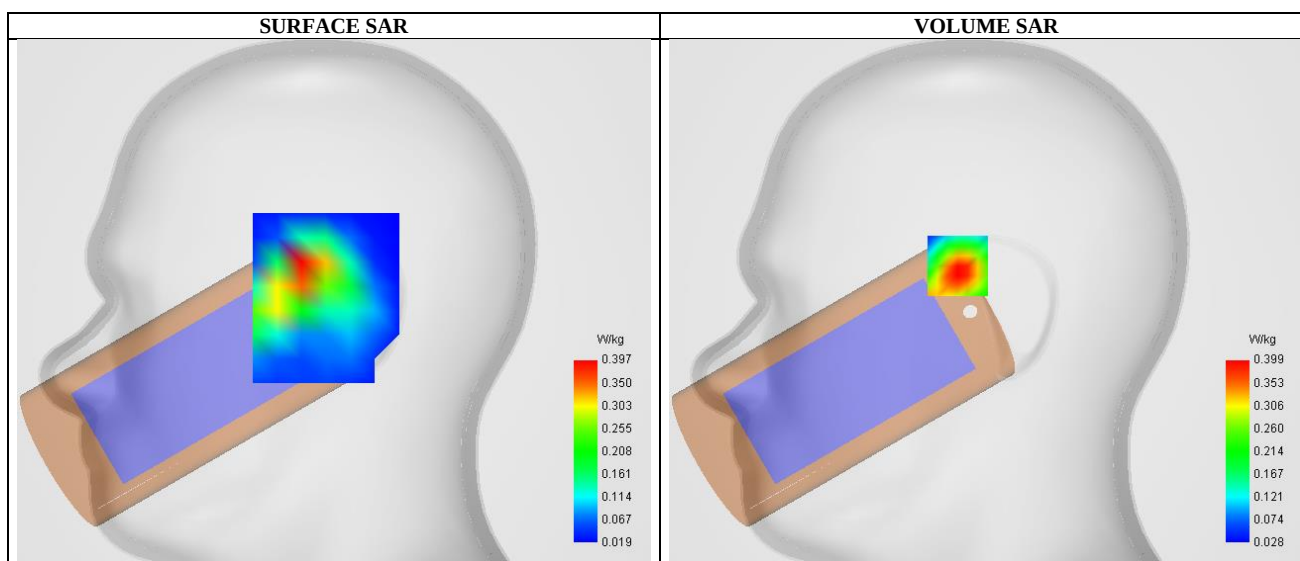
### A. Experimental conditions.

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.27                                |
| Area Scan       | dx=12mm dy=12mm                     |
| Zoom Scan       | 7x7x7,dx=5mm dy=5mm dz=5mm,Complete |
| Phantom         | Right head                          |
| Device Position | Cheek                               |
| Band            | NR n7                               |
| Channels        | High                                |
| Signal          | NR (Crest factor: 1.0)              |

### B. Permittivity

|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 2560.000000 |
| Relative permittivity (real part) | 38.112641   |
| Conductivity (S/m)                | 1.927413    |

### C. SAR Surface and Volume

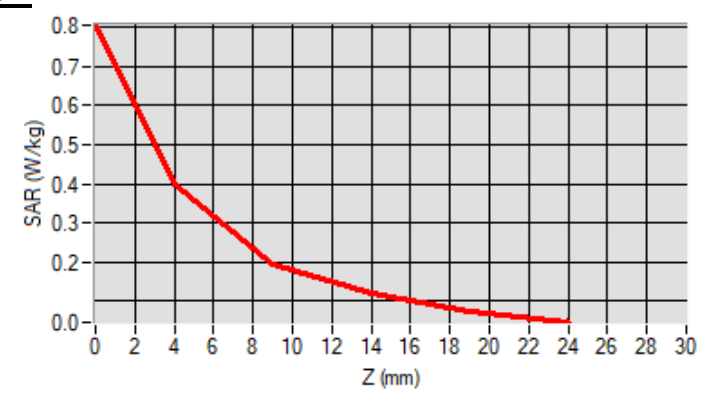


Maximum location: X=-14.00, Y=18.00 ; SAR Peak: 0.66 W/kg

### D. SAR 1g & 10g

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.200432  |
| SAR 1g (W/Kg)  | 0.373967  |
| Variation (%)  | -3.500000 |

### E. Z Axis Scan



## **SAR Measurement at CUSTOM (NR\_n12) (Cheek, Right)**

Date of measurement: 4/11/2022

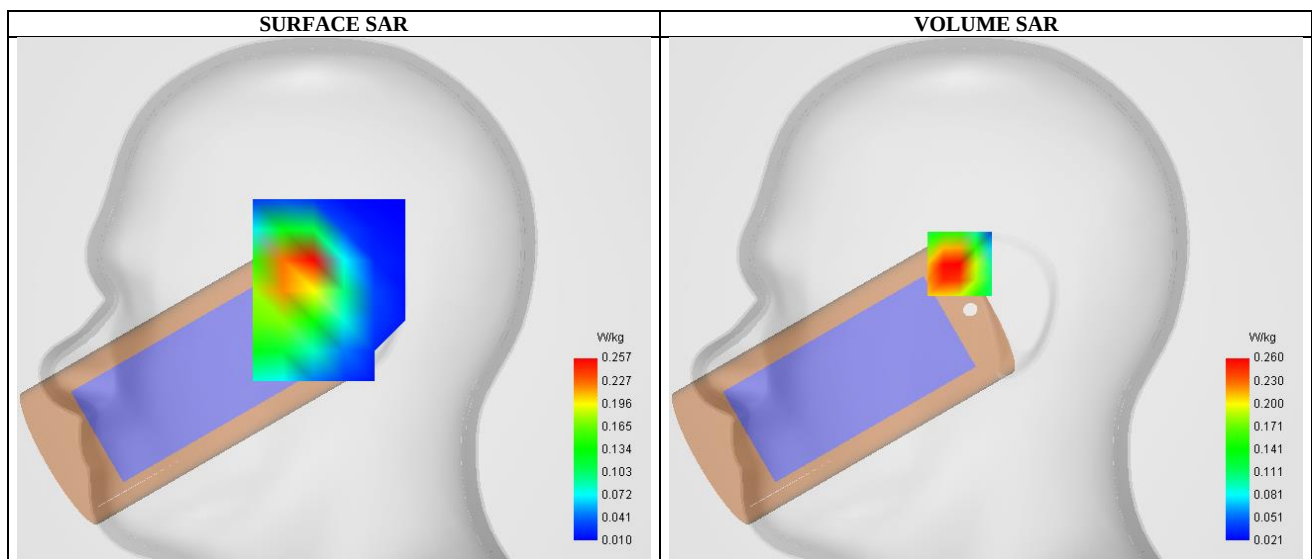
### **A. Experimental conditions.**

|                 |                                       |
|-----------------|---------------------------------------|
| Probe           | SN 18/21 EPG0354                      |
| ConvF           | 1.70                                  |
| Area Scan       | dx=15mm dy=15mm                       |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm, Complete |
| Phantom         | Right head                            |
| Device Position | Tilted                                |
| Band            | NR_n12                                |
| Channels        | Low                                   |
| Signal          | NR (Crest factor: 1.0)                |

### **B. Permittivity**

|                                   |            |
|-----------------------------------|------------|
| Frequency (MHz)                   | 706.500000 |
| Relative permittivity (real part) | 41.120455  |
| Conductivity (S/m)                | 0.874041   |

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

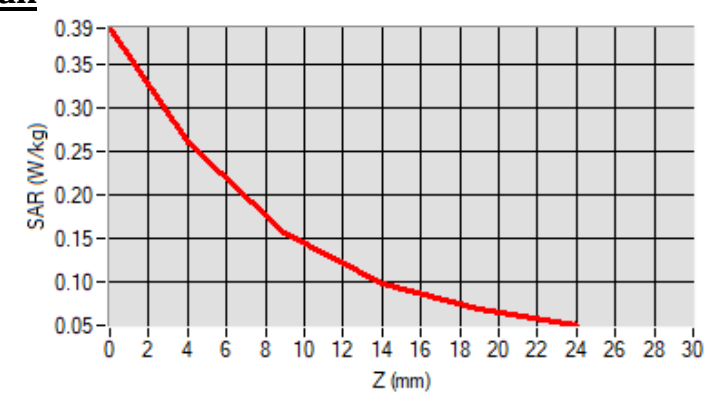


Maximum location: X=-13.00, Y=18.00 ; SAR Peak: 0.40 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.161603  |
| SAR 1g (W/Kg)  | 0.259743  |
| Variation (%)  | -1.300000 |

### **E. Z Axis Scan**



## SAR Measurement at CUSTOM (NR\_n41) (Tilt, Right)

Date of measurement: 9/11/2022

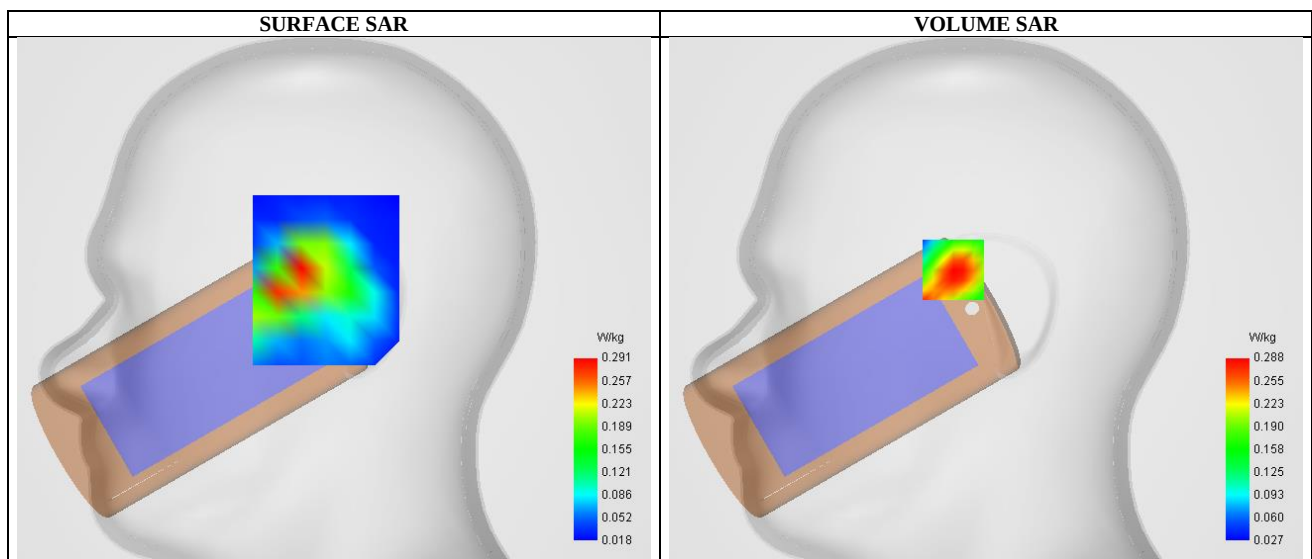
### A. Experimental conditions.

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.27                                |
| Area Scan       | dx=12mm dy=12mm                     |
| Zoom Scan       | 7x7x7,dx=5mm dy=5mm dz=5mm,Complete |
| Phantom         | Right head                          |
| Device Position | Cheek                               |
| Band            | NR_n41                              |
| Channels        | Middle                              |
| Signal          | NR (Crest factor: 1.0)              |

### B. Permittivity

|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 2592.990000 |
| Relative permittivity (real part) | 38.160000   |
| Conductivity (S/m)                | 1.937011    |

### C. SAR Surface and Volume

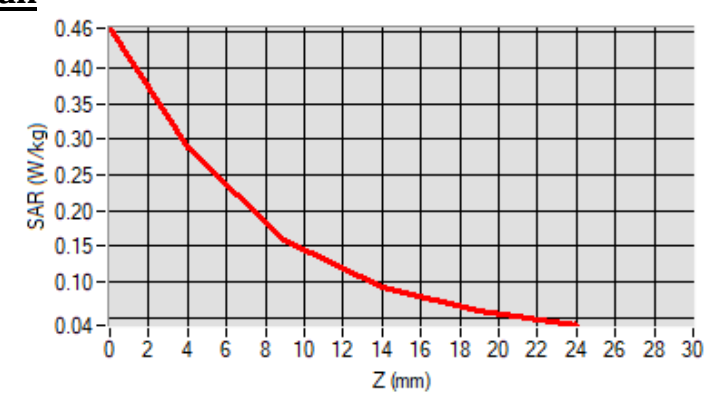


Maximum location: X=-16.00, Y=15.00 ; SAR Peak: 0.47 W/kg

### D. SAR 1g & 10g

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.152574  |
| SAR 1g (W/Kg)  | 0.269236  |
| Variation (%)  | -1.570000 |

### E. Z Axis Scan



**SAR Measurement at CUSTOM (NR\_n66) (Tilt, Right)**

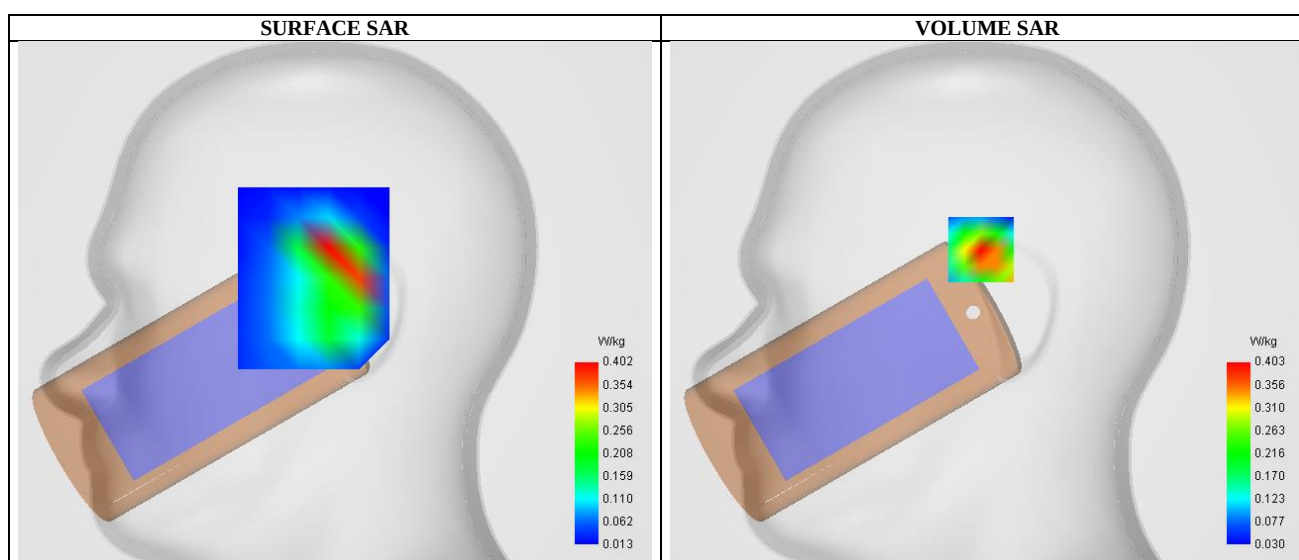
Date of measurement: 9/11/2022

**A. Experimental conditions.**

|                 |                                       |
|-----------------|---------------------------------------|
| Probe           | SN 18/21 EPG0354                      |
| ConvF           | 2.05                                  |
| Area Scan       | dx=15mm dy=15mm                       |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm, Complete |
| Phantom         | Right head                            |
| Device Position | Tilt                                  |
| Band            | NR_n66                                |
| Channels        | Middle                                |
| Signal          | NR (Crest factor: 1.0)                |

**B. Permittivity**

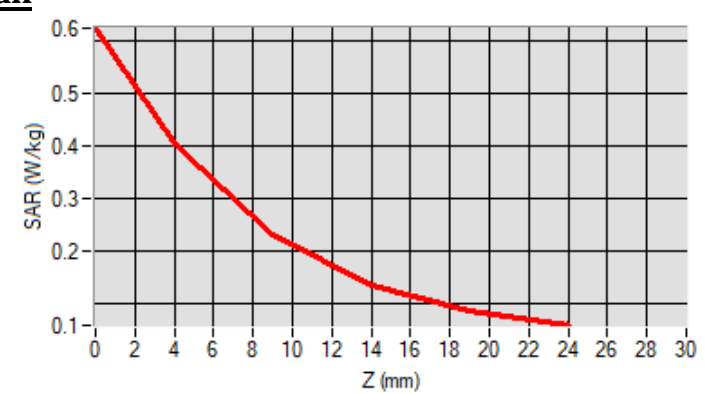
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 1745.000000 |
| Relative permittivity (real part) | 39.692452   |
| Conductivity (S/m)                | 1.346782    |

**C. SAR Surface and Volume**

Maximum location: X=-3.00, Y=27.00 ; SAR Peak: 0.63 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.209645  |
| SAR 1g (W/Kg)  | 0.376270  |
| Variation (%)  | -3.750000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (NR\_n77) (Tilt, Left)**

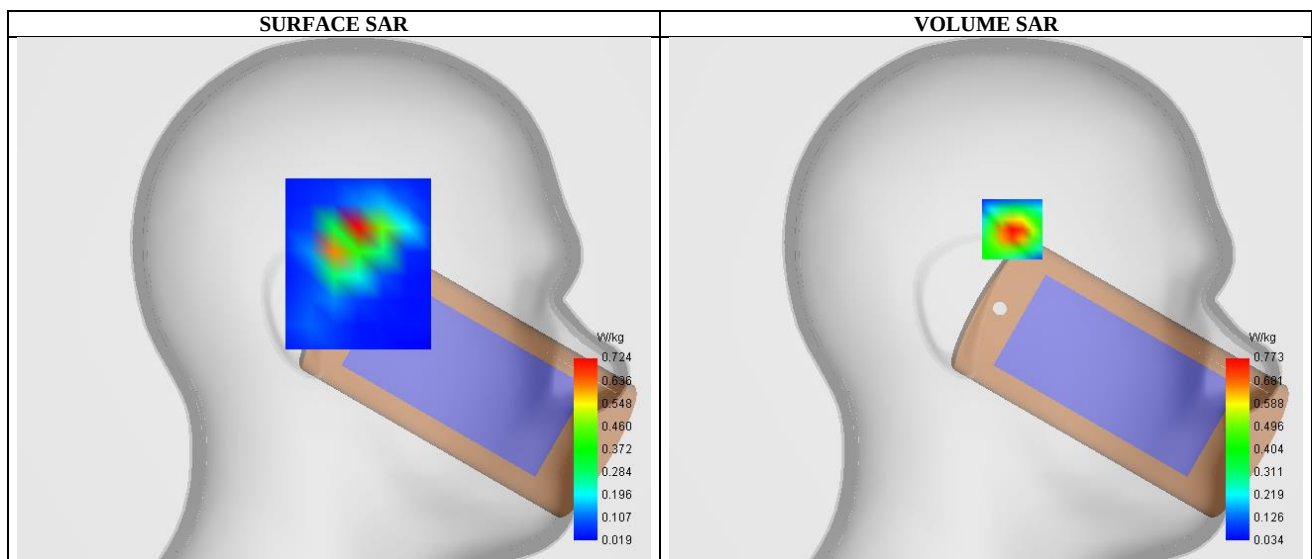
Date of measurement: 11/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.10                                |
| Area Scan       | dx=12mm dy=12mm                     |
| Zoom Scan       | 7x7x8,dx=5mm dy=5mm dz=4mm,Complete |
| Phantom         | Left head                           |
| Device Position | Tilt                                |
| Band            | NR_n77                              |
| Channels        | Middle                              |
| Signal          | NR (Crest factor: 1.0)              |

**B. Permittivity**

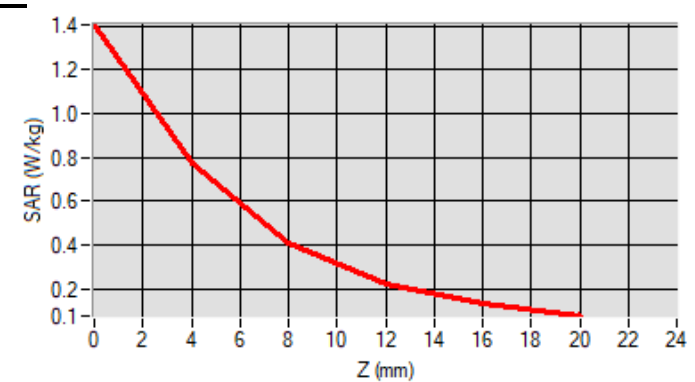
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 3500.010000 |
| Relative permittivity (real part) | 38.781230   |
| Conductivity (S/m)                | 2.930125    |

**C. SAR Surface and Volume**

Maximum location: X=-13.00, Y=35.00 ; SAR Peak: 1.42 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.312952  |
| SAR 1g (W/Kg)  | 0.688312  |
| Variation (%)  | -0.490000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (NR\_n77) (Tilt, Left)**

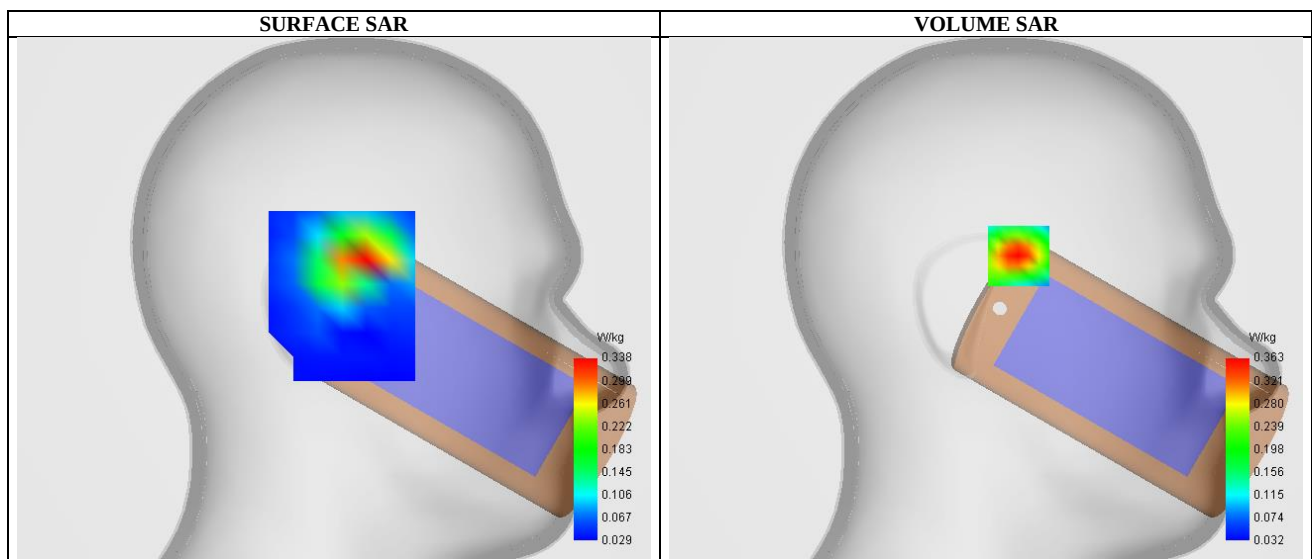
Date of measurement: 11/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.41                                |
| Area Scan       | dx=12mm dy=12mm                     |
| Zoom Scan       | 7x7x8,dx=5mm dy=5mm dz=4mm,Complete |
| Phantom         | Left head                           |
| Device Position | Tilt                                |
| Band            | NR_n77                              |
| Channels        | High                                |
| Signal          | NR (Crest factor: 1.0)              |

**B. Permittivity**

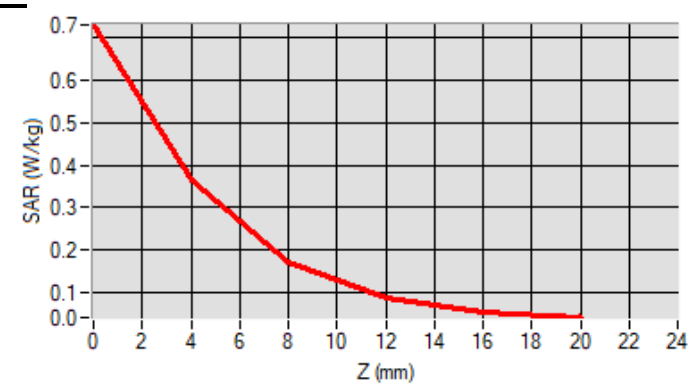
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 3930.000000 |
| Relative permittivity (real part) | 38.124044   |
| Conductivity (S/m)                | 3.361021    |

**C. SAR Surface and Volume**

Maximum location: X=-16.00, Y=22.00 ; SAR Peak: 0.73 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.163991  |
| SAR 1g (W/Kg)  | 0.338619  |
| Variation (%)  | -1.020000 |

**E. Z Axis Scan**

**SAR Measurement at IEEE 802.11b ISM (Cheek, Left)**

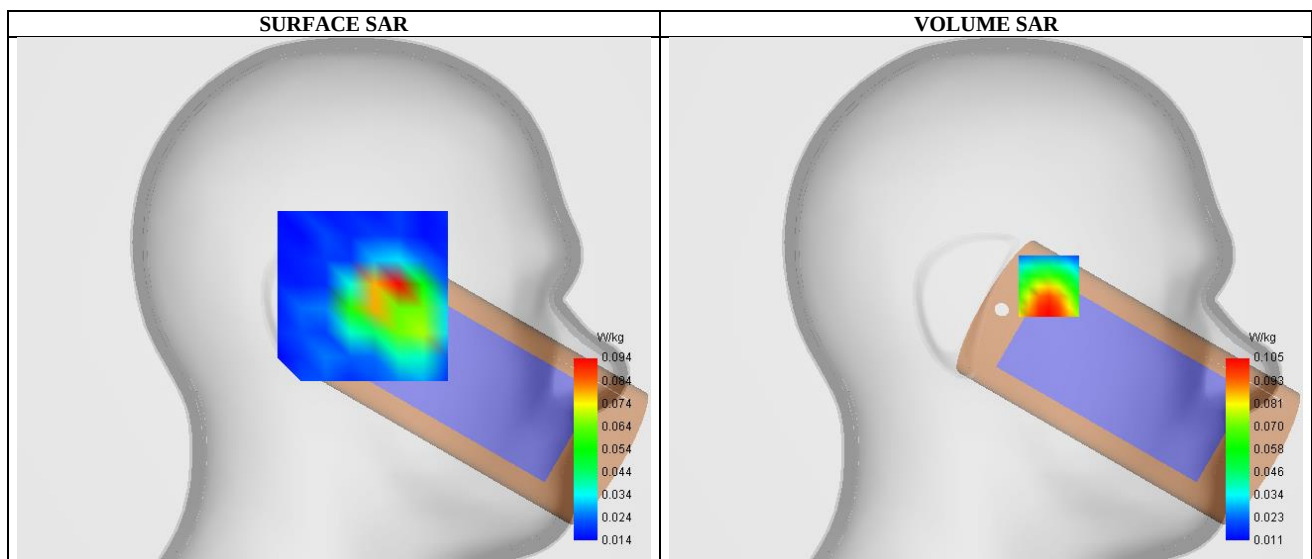
Date of measurement: 9/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.46                                |
| Area Scan       | dx=12mm dy=12mm                     |
| Zoom Scan       | 7x7x7,dx=5mm dy=5mm dz=5mm,Complete |
| Phantom         | Left head                           |
| Device Position | Cheek                               |
| Band            | IEEE 802.11b ISM                    |
| Channels        | High                                |
| Signal          | IEEE802.b (Crest factor: 1.0)       |

**B. Permittivity**

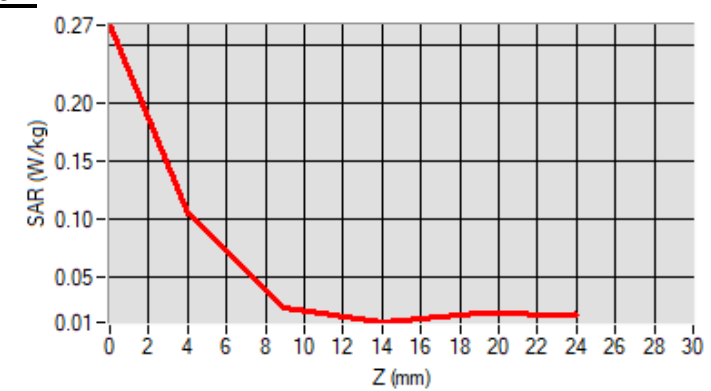
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 2462.000000 |
| Relative permittivity (real part) | 38.960020   |
| Conductivity (S/m)                | 1.788021    |

**C. SAR Surface and Volume**

Maximum location: X=-31.00, Y=7.00 ; SAR Peak: 0.24 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.056654  |
| SAR 1g (W/Kg)  | 0.101777  |
| Variation (%)  | -1.430000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (5.2GHz\_802.11a) (Cheek, Left)**

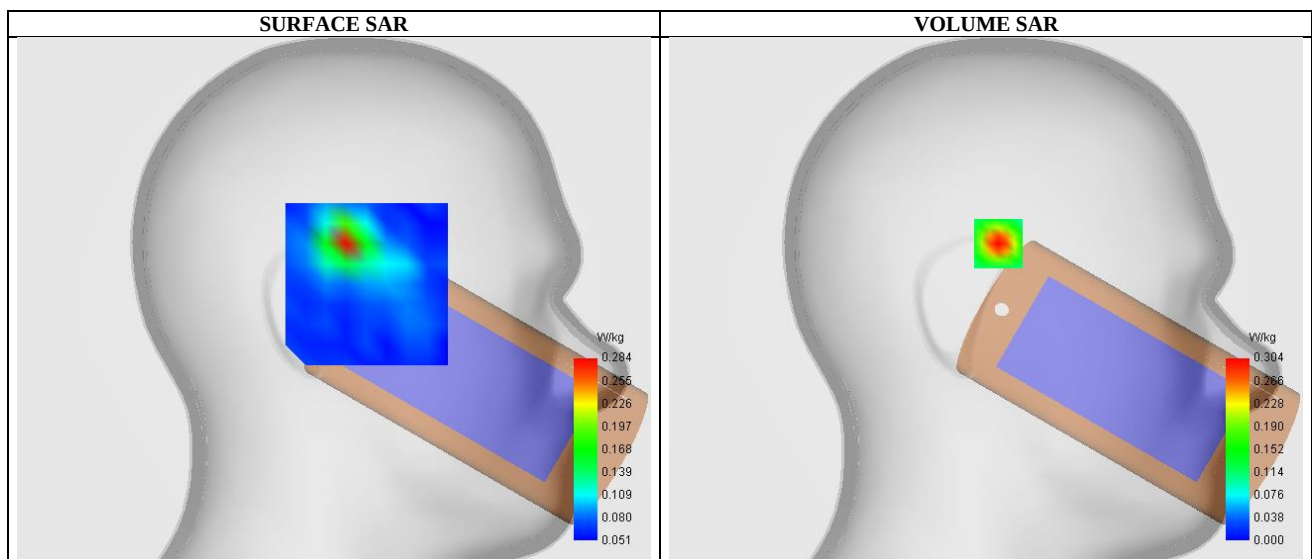
Date of measurement: 14/11/2022

**A. Experimental conditions.**

|                 |                                      |
|-----------------|--------------------------------------|
| Probe           | SN 18/21 EPG0354                     |
| ConvF           | 1.71                                 |
| Area Scan       | dx=10mm dy=10mm                      |
| Zoom Scan       | 7x7x12,dx=4mm dy=4mm dz=2mm,Complete |
| Phantom         | Left head                            |
| Device Position | Cheek                                |
| Band            | IEEE 802.11a                         |
| Channels        | High                                 |
| Signal          | IEEE802.a (Crest factor: 1.0)        |

**B. Permittivity**

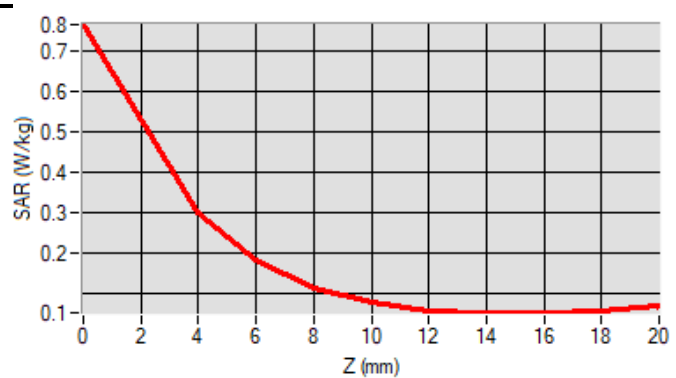
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 5240.000000 |
| Relative permittivity (real part) | 37.151564   |
| Conductivity (S/m)                | 4.735201    |

**C. SAR Surface and Volume**

Maximum location: X=-6.00, Y=28.00 ; SAR Peak: 0.75 W/kg

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

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.131355 |
| SAR 1g (W/Kg)  | 0.284899 |
| Variation (%)  | 1.200000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (5.8GHz\_802.11a) (Cheek, Left)**

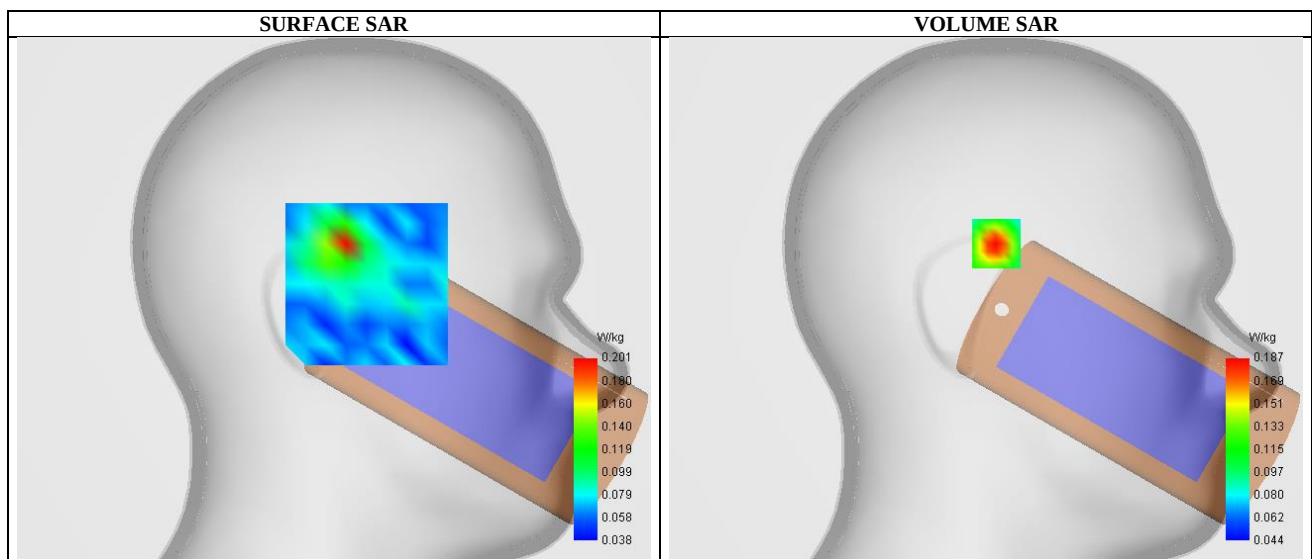
Date of measurement: 14/11/2022

**A. Experimental conditions.**

|                 |                                      |
|-----------------|--------------------------------------|
| Probe           | SN 18/21 EPG0354                     |
| ConvF           | 1.94                                 |
| Area Scan       | dx=10mm dy=10mm                      |
| Zoom Scan       | 7x7x12,dx=4mm dy=4mm dz=2mm,Complete |
| Phantom         | Left head                            |
| Device Position | Cheek                                |
| Band            | IEEE 802.11a                         |
| Channels        | Middle                               |
| Signal          | IEEE802.a (Crest factor: 1.0)        |

**B. Permittivity**

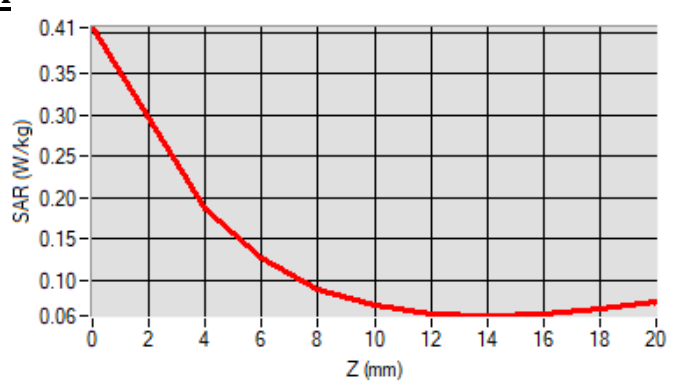
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 5785.000000 |
| Relative permittivity (real part) | 35.101241   |
| Conductivity (S/m)                | 5.214763    |

**C. SAR Surface and Volume**

Maximum location: X=-5.00, Y=28.00 ; SAR Peak: 0.40 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.102617  |
| SAR 1g (W/Kg)  | 0.179355  |
| Variation (%)  | -0.860000 |

**E. Z Axis Scan**

**SAR Measurement at Bluetooth (Cheek, Left)**

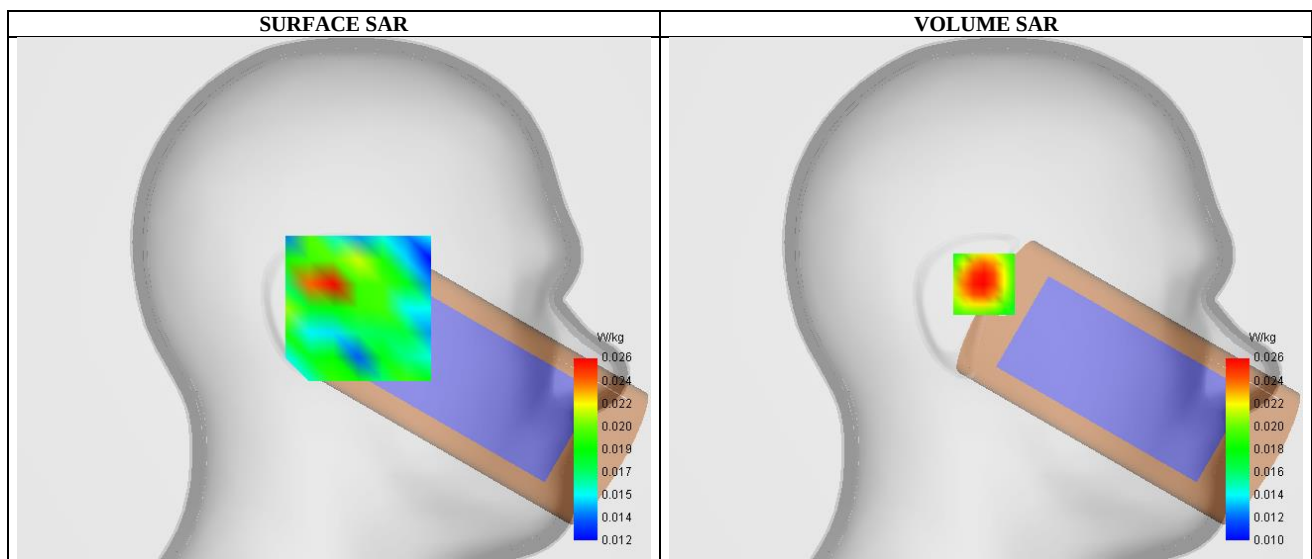
Date of measurement: 9/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.46                                |
| Area Scan       | dx=12mm dy=12mm                     |
| Zoom Scan       | 7x7x7,dx=5mm dy=5mm dz=5mm,Complete |
| Phantom         | Left head                           |
| Device Position | Cheek                               |
| Band            | Bluetooth                           |
| Channels        | High                                |
| Signal          | Bluetooth (Crest factor: 1.0)       |

**B. Permittivity**

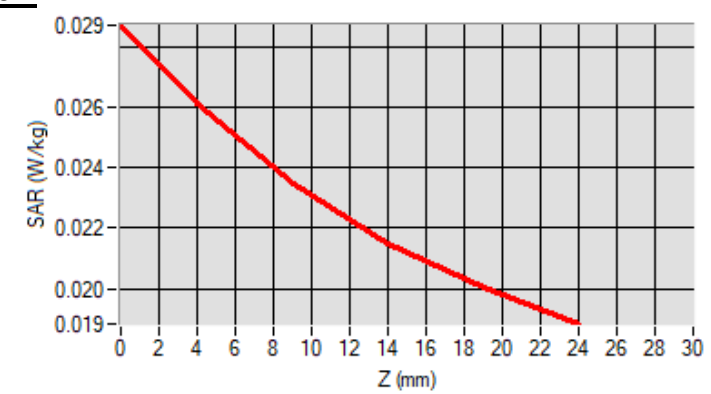
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 2480.000000 |
| Relative permittivity (real part) | 39.217999   |
| Conductivity (S/m)                | 1.791558    |

**C. SAR Surface and Volume**

Maximum location: X=1.00, Y=8.00 ; SAR Peak: 0.03 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.021760  |
| SAR 1g (W/Kg)  | 0.025324  |
| Variation (%)  | -3.040000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (GPRS8504Txslots) (Body, Validation Plane)**

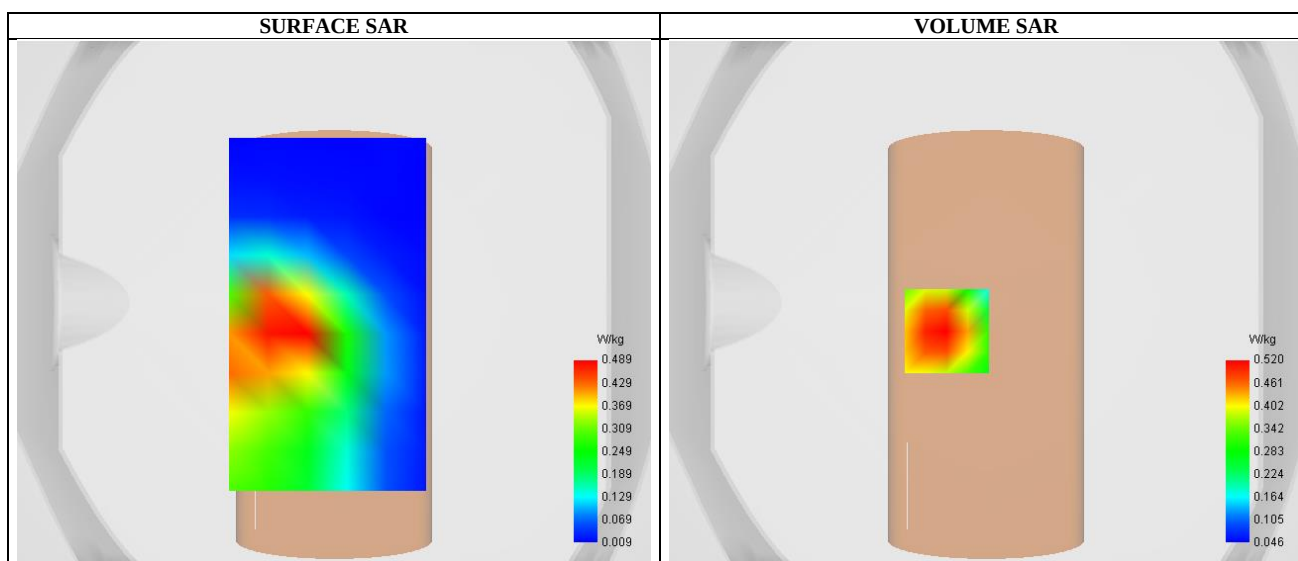
Date of measurement: 4/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 1.70                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | GSM850                              |
| Channels        | Middle                              |
| Signal          | TDMA (Crest factor: 2.0)            |

**B. Permittivity**

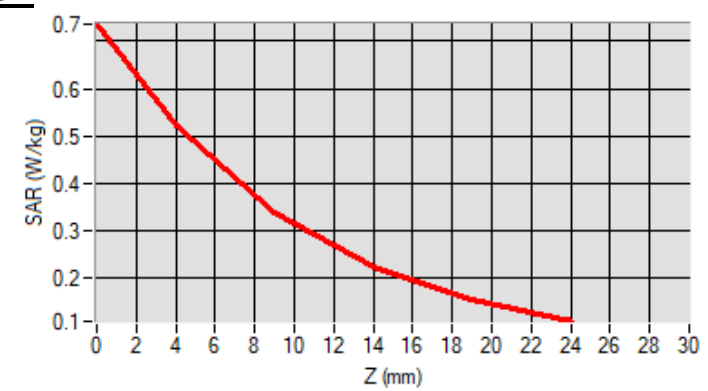
|                                   |            |
|-----------------------------------|------------|
| Frequency (MHz)                   | 836.599976 |
| Relative permittivity (real part) | 40.710000  |
| Conductivity (S/m)                | 0.901123   |

**C. SAR Surface and Volume**

Maximum location: X=-15.00, Y=-11.00 ; SAR Peak: 0.74 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.319385  |
| SAR 1g (W/Kg)  | 0.497187  |
| Variation (%)  | -3.560000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (GPRS19004Txslots) (Body, Validation Plane)**

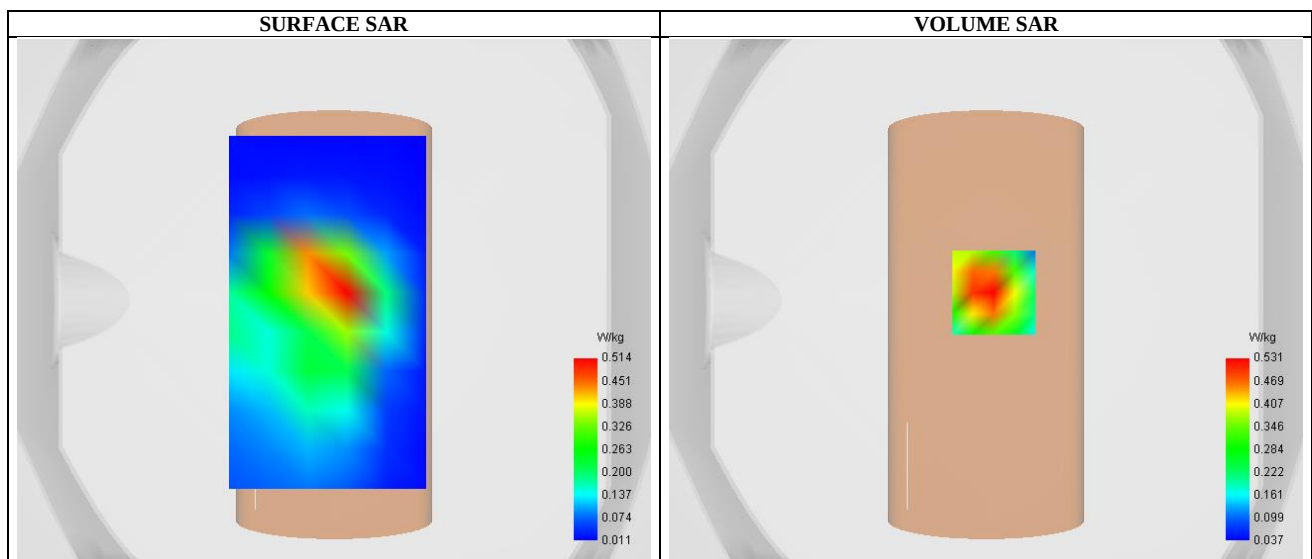
Date of measurement: 6/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.00                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | GSM1900                             |
| Channels        | Low                                 |
| Signal          | TDMA (Crest factor: 2.0)            |

**B. Permittivity**

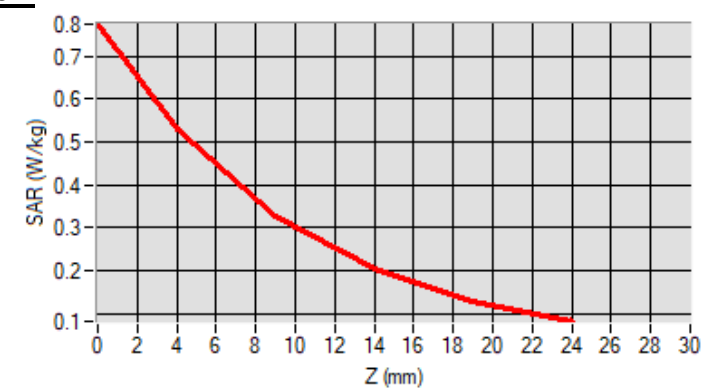
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 1850.199951 |
| Relative permittivity (real part) | 39.220000   |
| Conductivity (S/m)                | 1.360340    |

**C. SAR Surface and Volume**

Maximum location: X=3.00, Y=3.00 ; SAR Peak: 0.79 W/kg

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

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.291915 |
| SAR 1g (W/Kg)  | 0.503396 |
| Variation (%)  | 0.450000 |

**E. Z Axis Scan**

## **SAR Measurement at Band2\_WCDMA1900 (Body, Validation Plane)**

Date of measurement: 6/11/2022

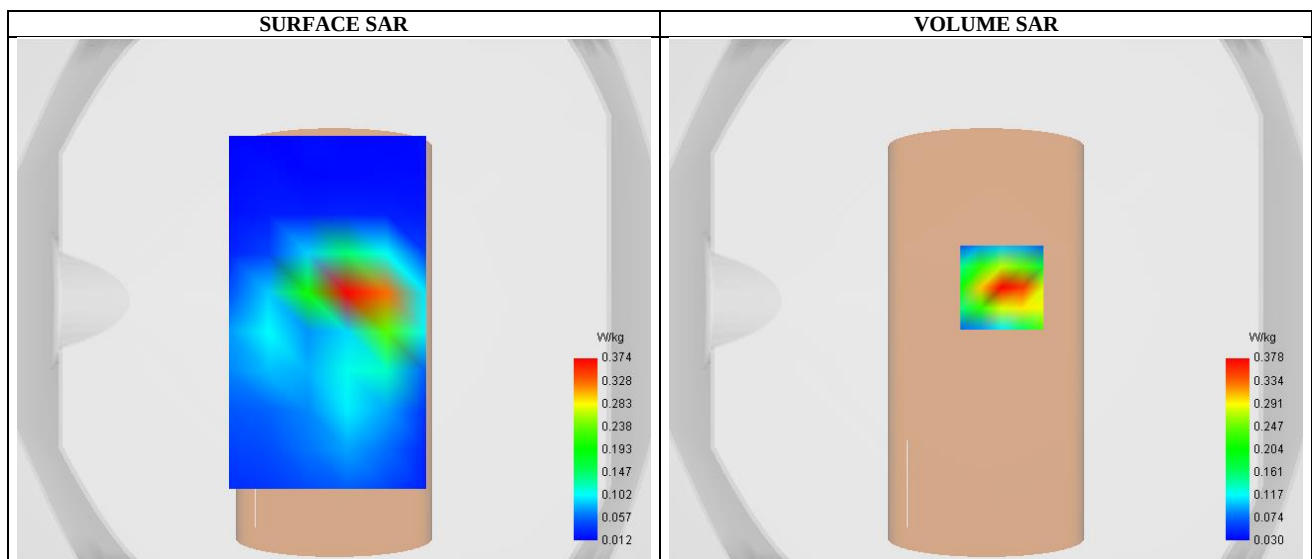
### **A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.00                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | Band2_WCDMA1900                     |
| Channels        | High                                |
| Signal          | WCDMA (Crest factor: 1.0)           |

### **B. Permittivity**

|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 1907.599976 |
| Relative permittivity (real part) | 39.410000   |
| Conductivity (S/m)                | 1.376534    |

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

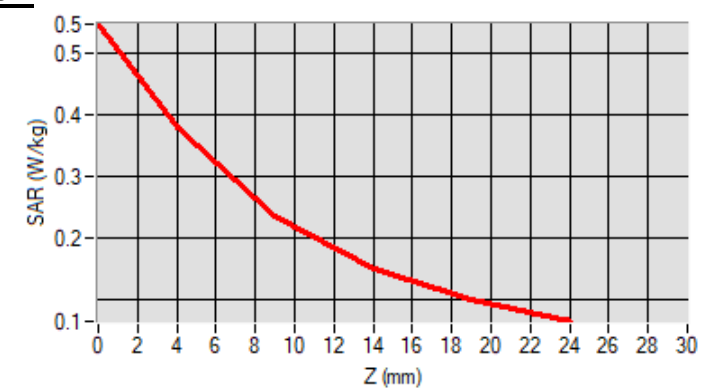


Maximum location: X=6.00, Y=5.00 ; SAR Peak: 0.55 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.196805  |
| SAR 1g (W/Kg)  | 0.348894  |
| Variation (%)  | -0.850000 |

### **E. Z Axis Scan**



**SAR Measurement at CUSTOM (WCDMA\_1700) (Body, Validation Plane)**

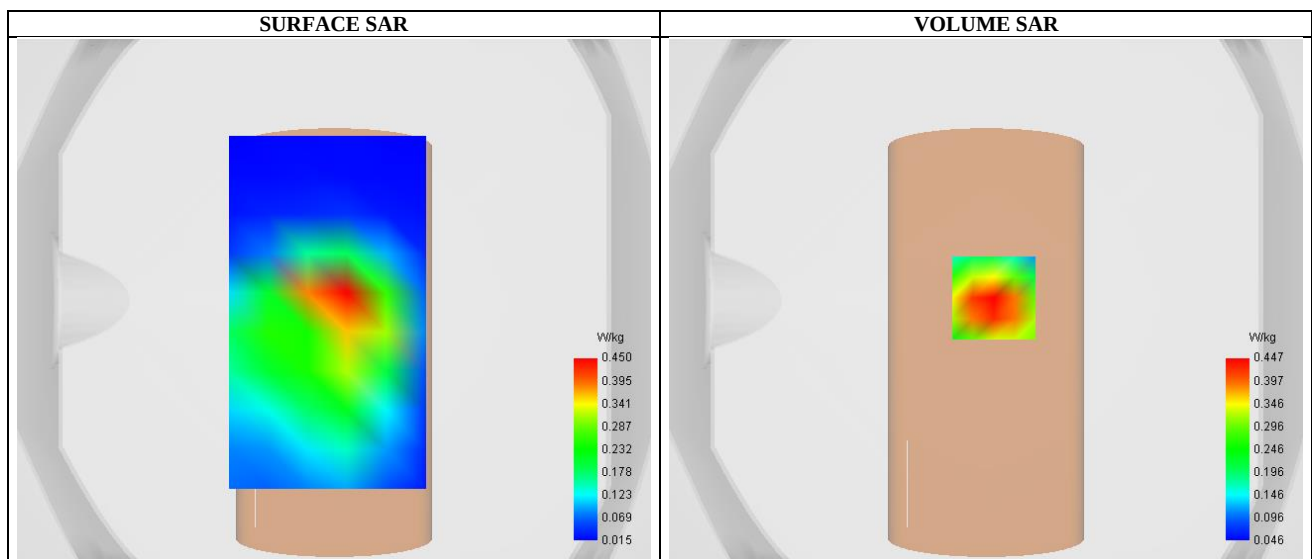
Date of measurement: 18/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.05                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | Band4_WCDMA1700                     |
| Channels        | High                                |
| Signal          | WCDMA (Crest factor: 1.0)           |

**B. Permittivity**

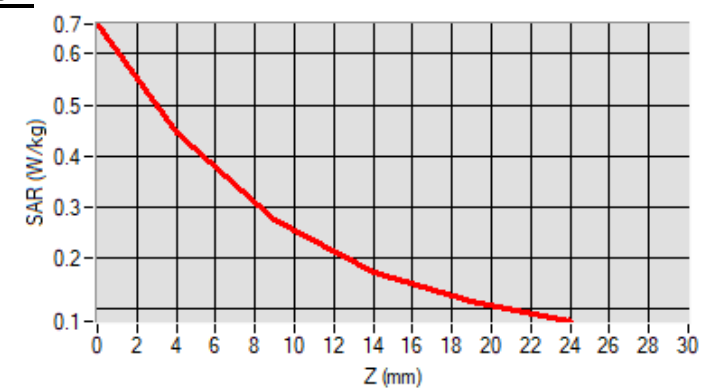
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 1752.599976 |
| Relative permittivity (real part) | 39.694744s  |
| Conductivity (S/m)                | 1.351441    |

**C. SAR Surface and Volume**

Maximum location: X=3.00, Y=1.00 ; SAR Peak: 0.56 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.211391  |
| SAR 1g (W/Kg)  | 0.350728  |
| Variation (%)  | -4.070000 |

**E. Z Axis Scan**

## **SAR Measurement at Band5\_WCDMA850 (Body, Validation Plane)**

Date of measurement: 6/11/2022

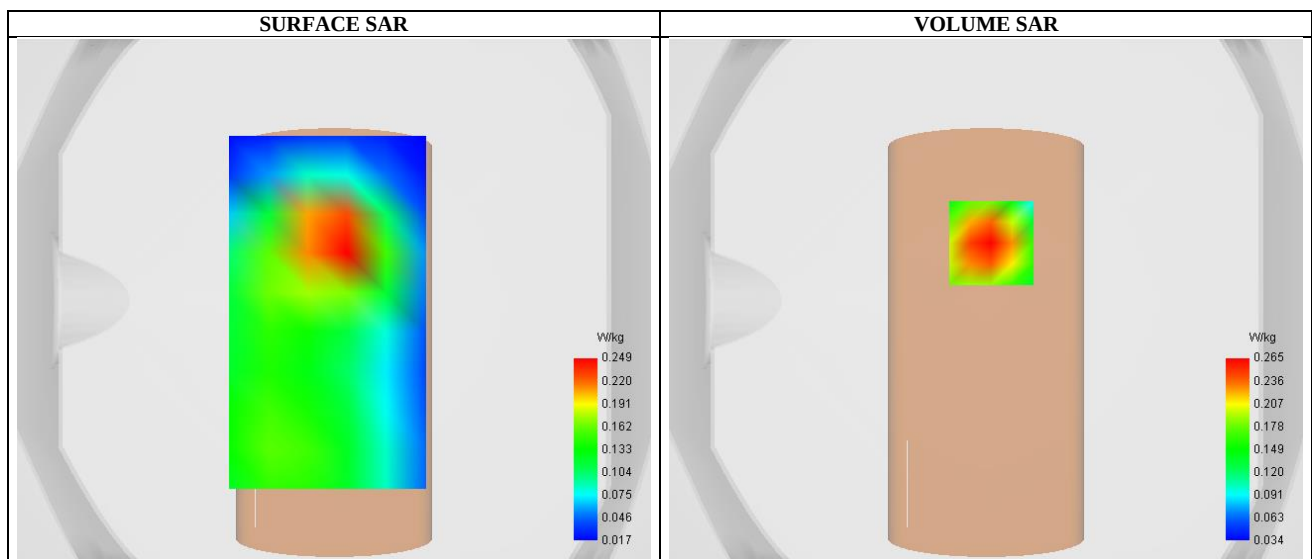
### **A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 1.73                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | Band5_WCDMA850                      |
| Channels        | High                                |
| Signal          | WCDMA (Crest factor: 1.0)           |

### **B. Permittivity**

|                                   |            |
|-----------------------------------|------------|
| Frequency (MHz)                   | 846.599976 |
| Relative permittivity (real part) | 40.820000  |
| Conductivity (S/m)                | 0.901724   |

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

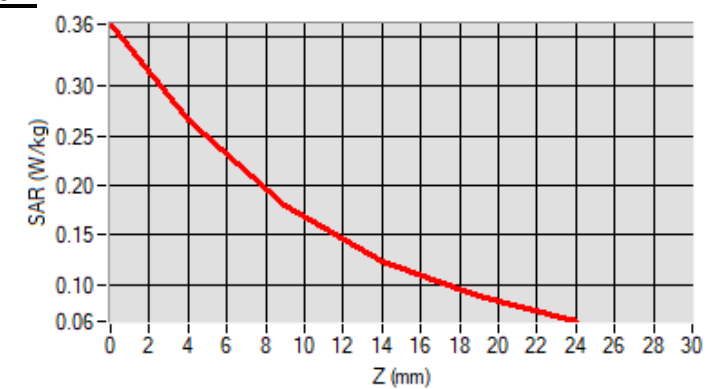


Maximum location: X=2.00, Y=22.00 ; SAR Peak: 0.36 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.161075  |
| SAR 1g (W/Kg)  | 0.250937  |
| Variation (%)  | -1.980000 |

### **E. Z Axis Scan**



**SAR Measurement at LTE band 2 (Body, Validation Plane)**

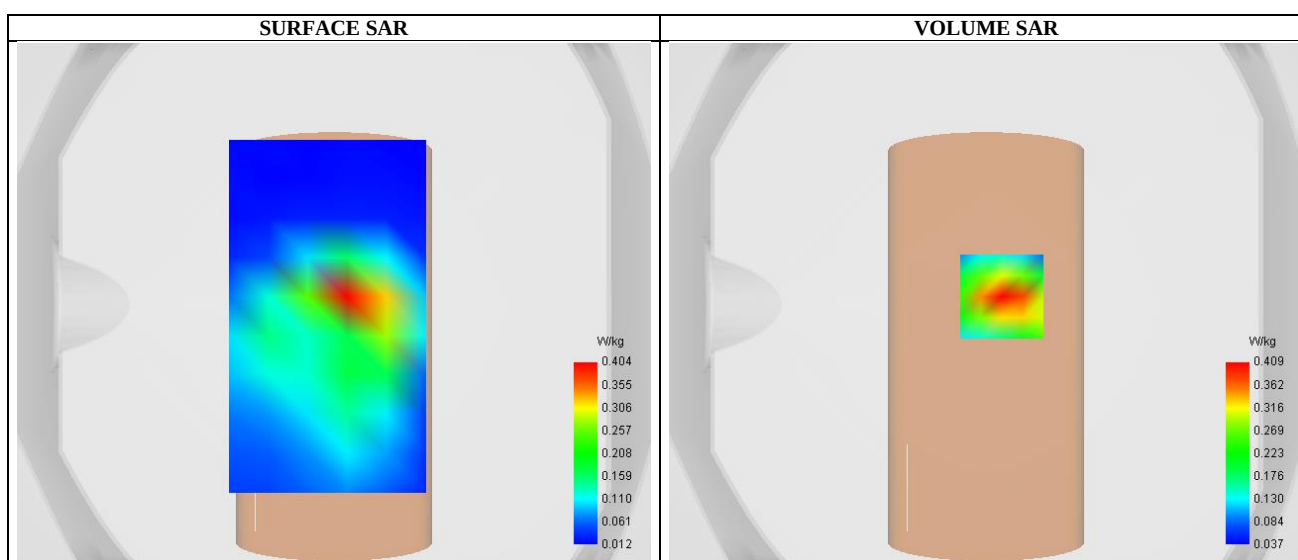
Date of measurement: 6/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.00                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | LTE band 2                          |
| Channels        | Low                                 |
| Signal          | LTE (Crest factor: 1.0)             |

**B. Permittivity**

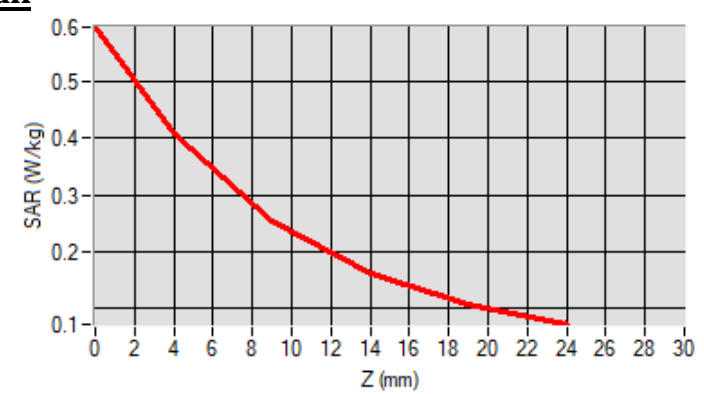
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 1860.000000 |
| Relative permittivity (real part) | 39.275280   |
| Conductivity (S/m)                | 1.365304    |

**C. SAR Surface and Volume**

Maximum location: X=6.00, Y=3.00 ; SAR Peak: 0.60 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.216576  |
| SAR 1g (W/Kg)  | 0.379131  |
| Variation (%)  | -3.610000 |

**E. Z Axis Scan**

**SAR Measurement at LTE band 5 (Body, Validation Plane)**

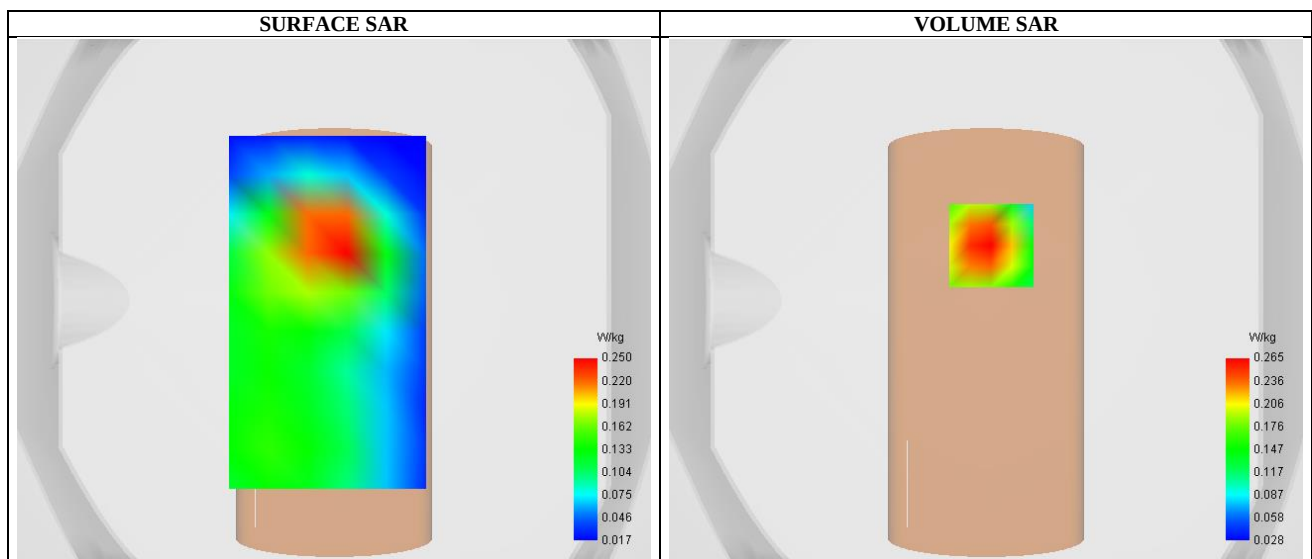
Date of measurement: 4/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 1.73                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | LTE band 5                          |
| Channels        | Middle                              |
| Signal          | LTE (Crest factor: 1.0)             |

**B. Permittivity**

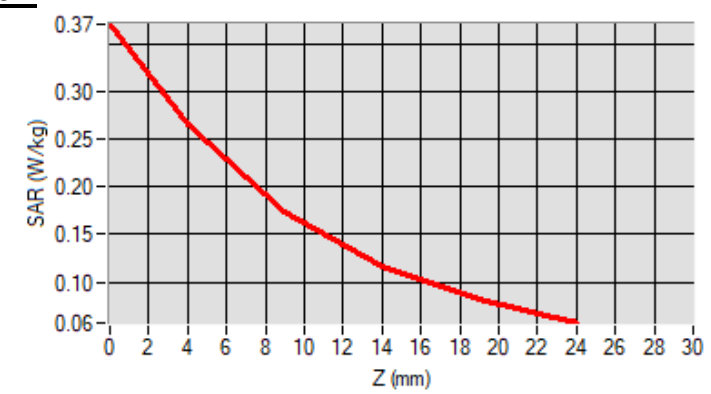
|                                   |            |
|-----------------------------------|------------|
| Frequency (MHz)                   | 836.500000 |
| Relative permittivity (real part) | 40.590000  |
| Conductivity (S/m)                | 0.900531   |

**C. SAR Surface and Volume**

Maximum location: X=2.00, Y=21.00 ; SAR Peak: 0.37 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.159502  |
| SAR 1g (W/Kg)  | 0.252326  |
| Variation (%)  | -1.640000 |

**E. Z Axis Scan**

**SAR Measurement at LTE band 7 (Body, Validation Plane)**

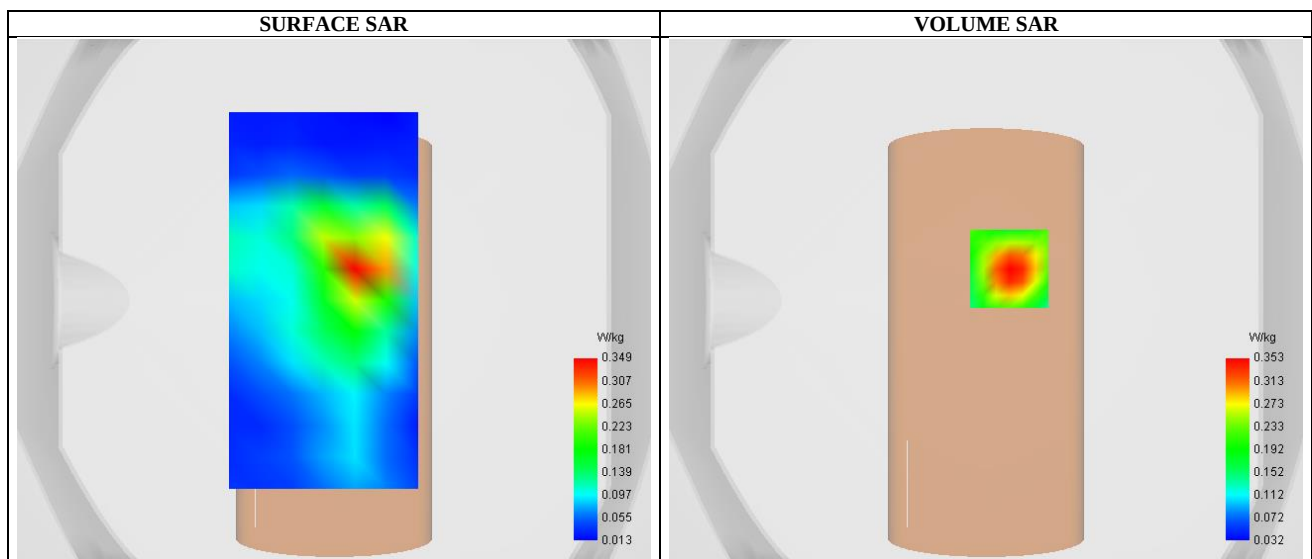
Date of measurement: 9/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.27                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 7x7x7,dx=5mm dy=5mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | LTE band 7                          |
| Channels        | Low                                 |
| Signal          | LTE (Crest factor: 1.0)             |

**B. Permittivity**

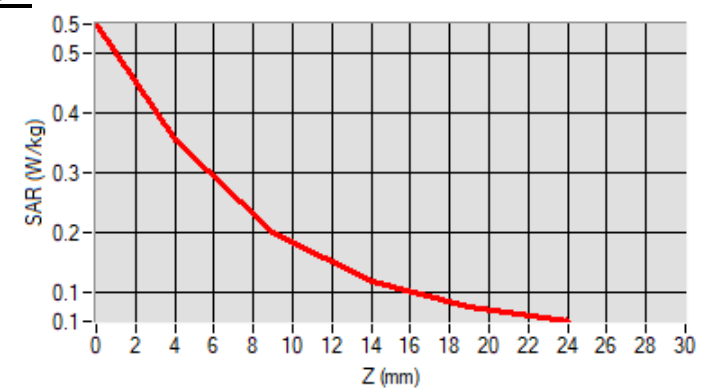
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 2510.000000 |
| Relative permittivity (real part) | 389.166661  |
| Conductivity (S/m)                | 1.929742    |

**C. SAR Surface and Volume**

Maximum location: X=9.00, Y=12.00 ; SAR Peak: 0.55 W/kg

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

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.182924 |
| SAR 1g (W/Kg)  | 0.326212 |
| Variation (%)  | 1.830000 |

**E. Z Axis Scan**

## SAR Measurement at LTE band 12 (Body, Validation Plane)

Date of measurement: 4/11/2022

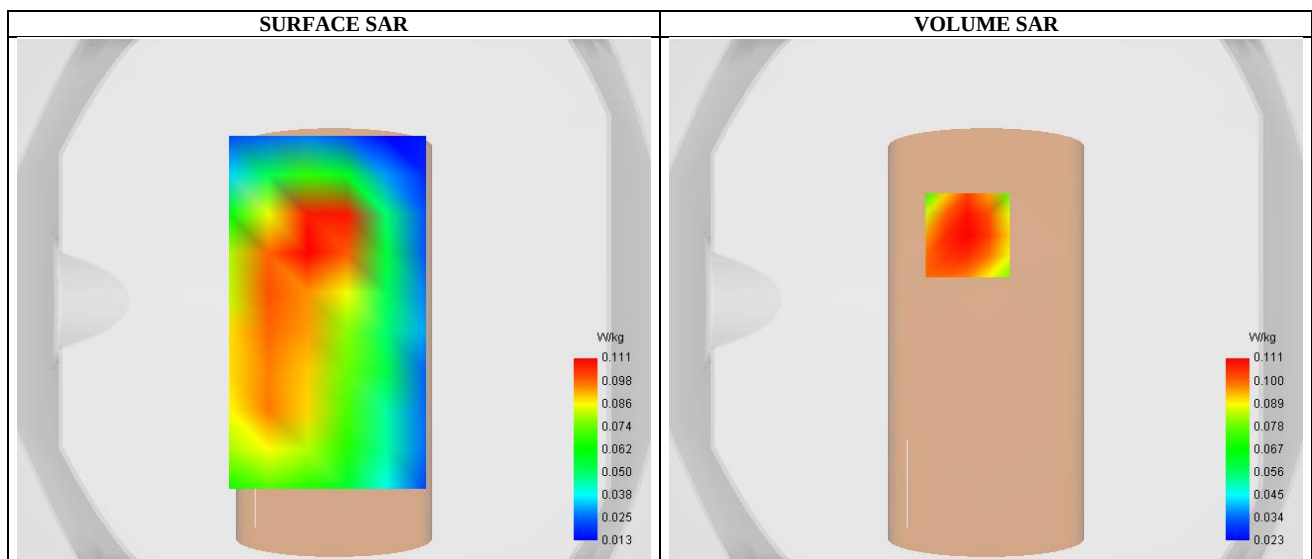
### A. Experimental conditions.

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 1.70                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | LTE band 12                         |
| Channels        | Low                                 |
| Signal          | LTE (Crest factor: 1.0)             |

### B. Permittivity

|                                   |            |
|-----------------------------------|------------|
| Frequency (MHz)                   | 704.000000 |
| Relative permittivity (real part) | 41.126137  |
| Conductivity (S/m)                | 0.874404   |

### C. SAR Surface and Volume

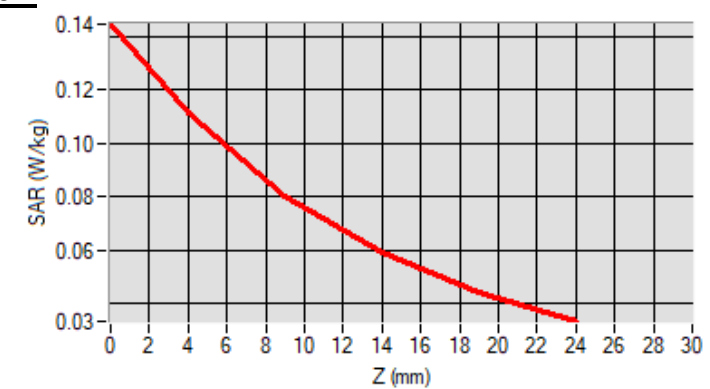


Maximum location: X=-7.00, Y=25.00 ; SAR Peak: 0.15 W/kg

### D. SAR 1g & 10g

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.079857  |
| SAR 1g (W/Kg)  | 0.109893  |
| Variation (%)  | -3.040000 |

### E. Z Axis Scan



**SAR Measurement at CUSTOM (LTE Band 41 ) (Body, Validation Plane)**

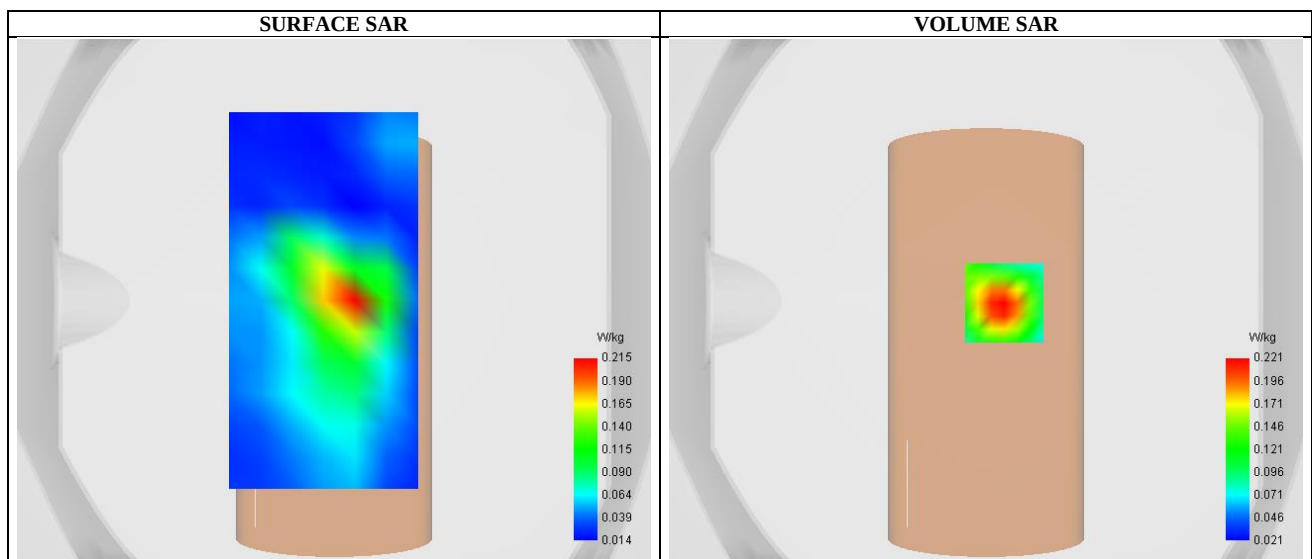
Date of measurement: 9/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.27                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 7x7x7,dx=5mm dy=5mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | LTE band 41                         |
| Channels        | High                                |
| Signal          | LTE (Crest factor: 1.0)             |

**B. Permittivity**

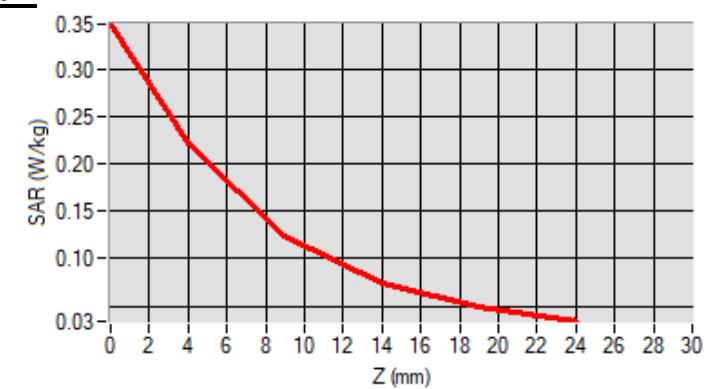
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 2680.000000 |
| Relative permittivity (real part) | 38.263351   |
| Conductivity (S/m)                | 1.952401    |

**C. SAR Surface and Volume**

Maximum location: X=7.00, Y=-1.00 ; SAR Peak: 0.35 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.112097  |
| SAR 1g (W/Kg)  | 0.203054  |
| Variation (%)  | -1.040000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (LTE Band 66) (Body, Validation Plane)**

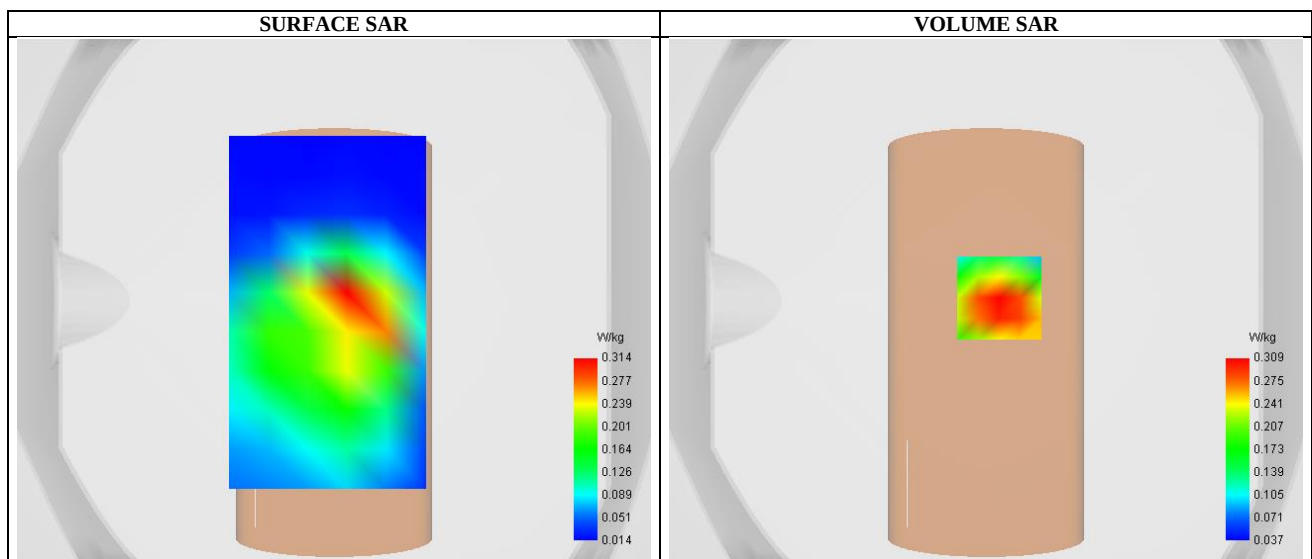
Date of measurement: 6/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.05                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | LTE band 66                         |
| Channels        | Middle                              |
| Signal          | LTE (Crest factor: 1.0)             |

**B. Permittivity**

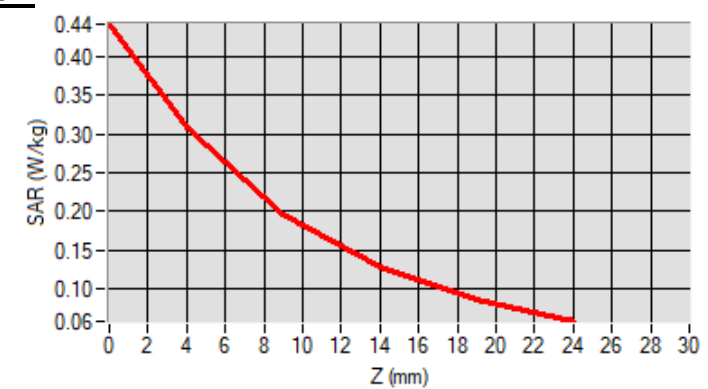
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 1745.000000 |
| Relative permittivity (real part) | 39.631000   |
| Conductivity (S/m)                | 1.350124    |

**C. SAR Surface and Volume**

Maximum location: X=5.00, Y=1.00 ; SAR Peak: 0.45 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.182120  |
| SAR 1g (W/Kg)  | 0.296443  |
| Variation (%)  | -0.210000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (NRn5) (Body, Validation Plane)**

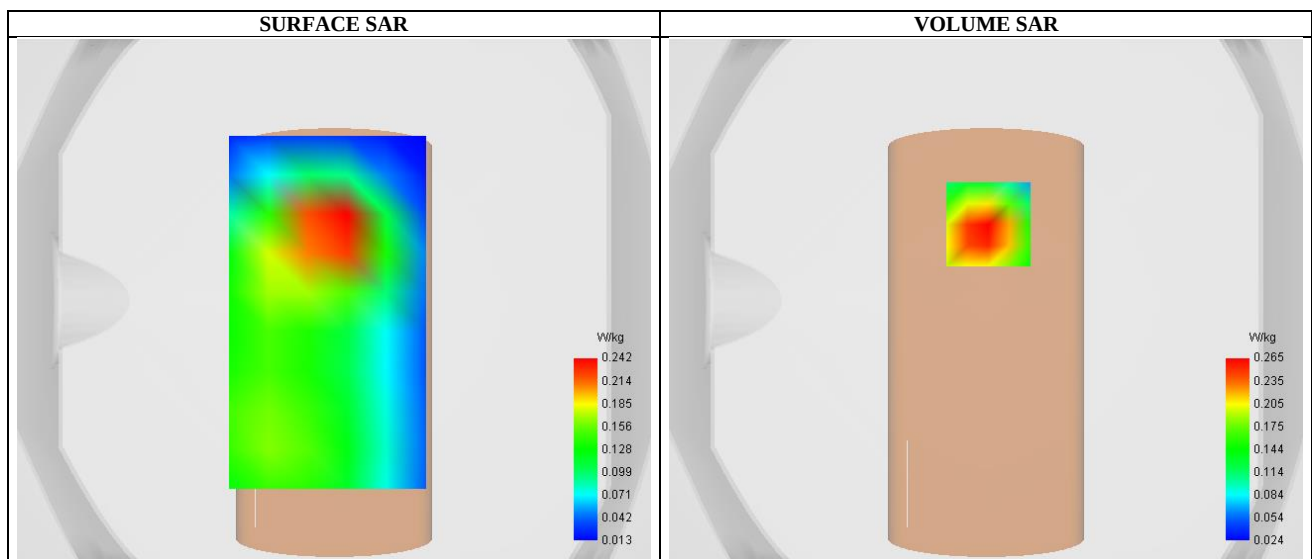
Date of measurement: 4/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 1.70                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | NR n5                               |
| Channels        | Middle                              |
| Signal          | NR (Crest factor: 1.0)              |

**B. Permittivity**

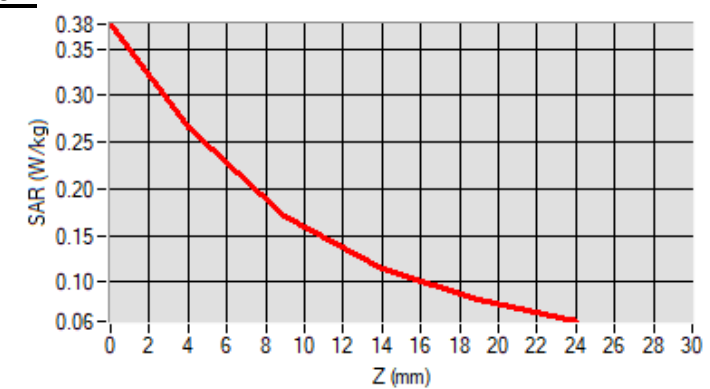
|                                   |            |
|-----------------------------------|------------|
| Frequency (MHz)                   | 836.500000 |
| Relative permittivity (real part) | 40.700000  |
| Conductivity (S/m)                | 0.891011   |

**C. SAR Surface and Volume**

Maximum location: X=1.00, Y=29.00 ; SAR Peak: 0.38 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.158521  |
| SAR 1g (W/Kg)  | 0.254545  |
| Variation (%)  | -1.080000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (NRn7) (Body, Validation Plane)**

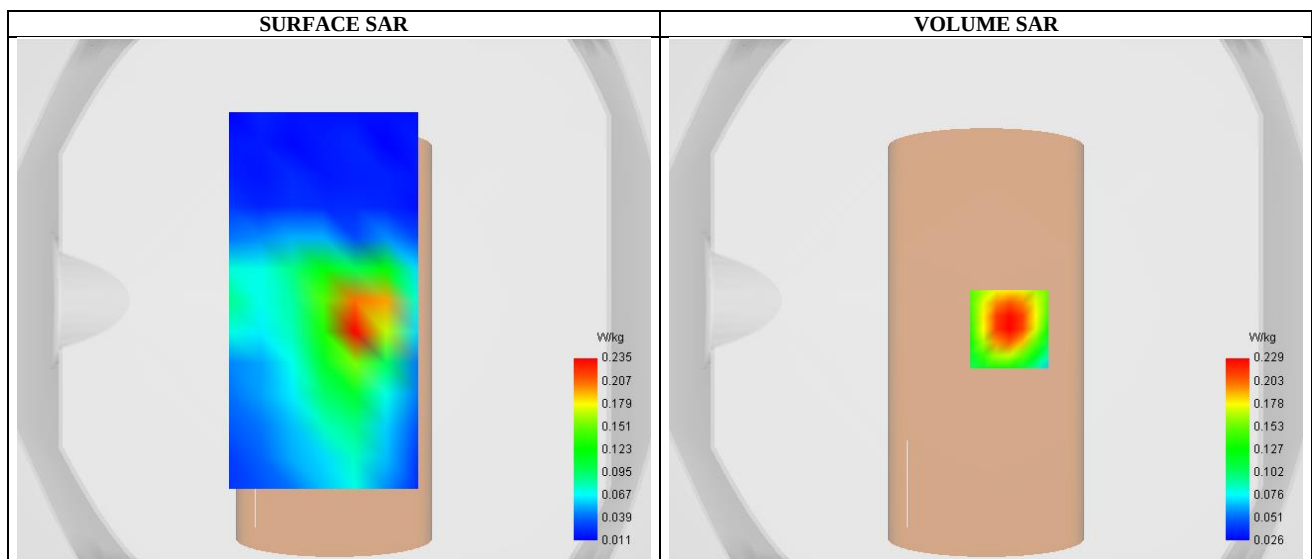
Date of measurement: 9/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.27                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 7x7x7,dx=5mm dy=5mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | NR n7                               |
| Channels        | High                                |
| Signal          | NR (Crest factor: 1.0)              |

**B. Permittivity**

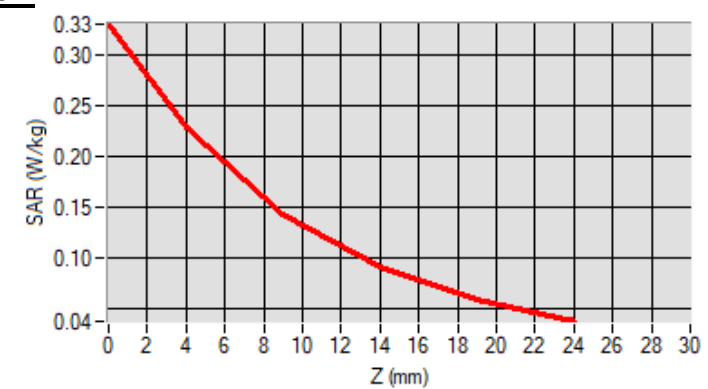
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 2560.000000 |
| Relative permittivity (real part) | 38.112641   |
| Conductivity (S/m)                | 1.927413    |

**C. SAR Surface and Volume**

Maximum location: X=9.00, Y=-11.00 ; SAR Peak: 0.34 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.125286  |
| SAR 1g (W/Kg)  | 0.214206  |
| Variation (%)  | -4.130000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (NR\_n12) (Body, Validation Plane)**

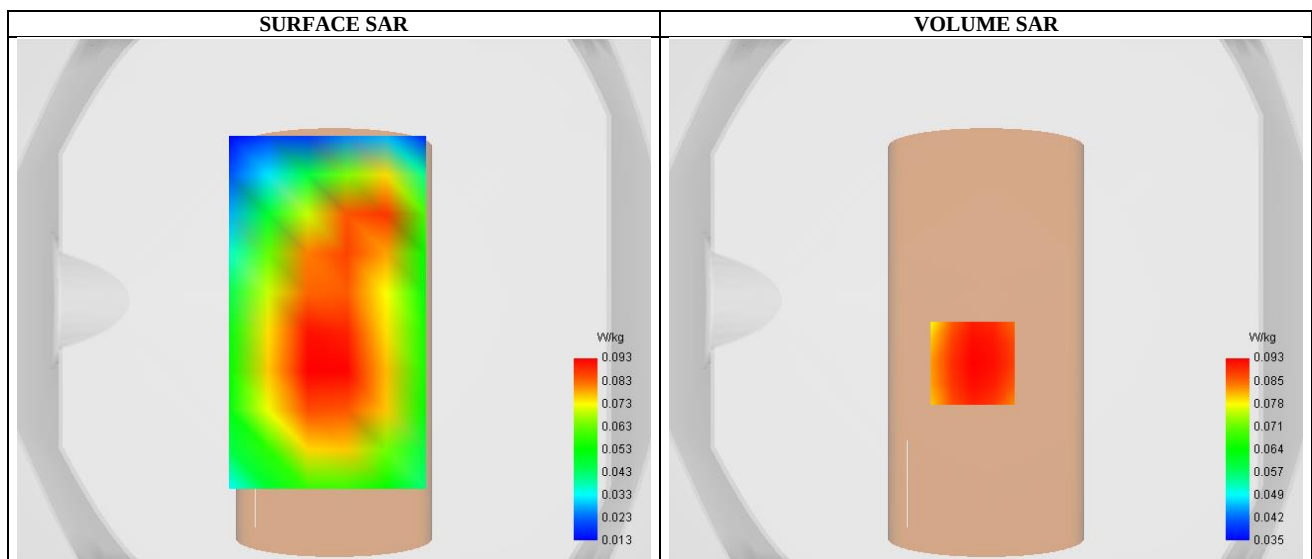
Date of measurement: 4/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 1.70                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | NR_n12                              |
| Channels        | Low                                 |
| Signal          | NR (Crest factor: 1.0)              |

**B. Permittivity**

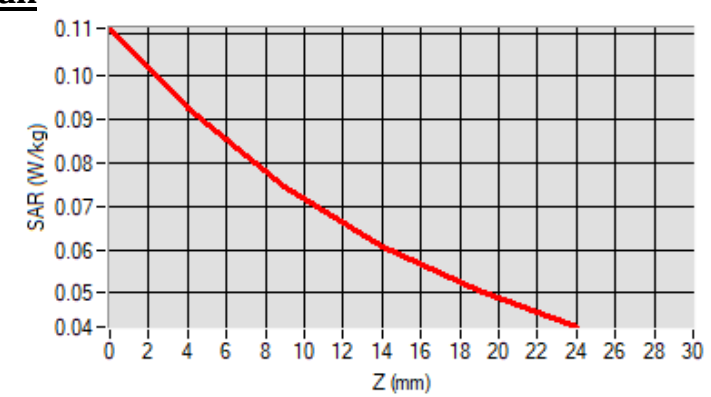
|                                   |            |
|-----------------------------------|------------|
| Frequency (MHz)                   | 706.500000 |
| Relative permittivity (real part) | 41.120455  |
| Conductivity (S/m)                | 0.874041   |

**C. SAR Surface and Volume**

Maximum location: X=-5.00, Y=-24.00 ; SAR Peak: 0.10 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.066955  |
| SAR 1g (W/Kg)  | 0.084525  |
| Variation (%)  | -0.520000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (NR\_n41) (Body, Validation Plane)**

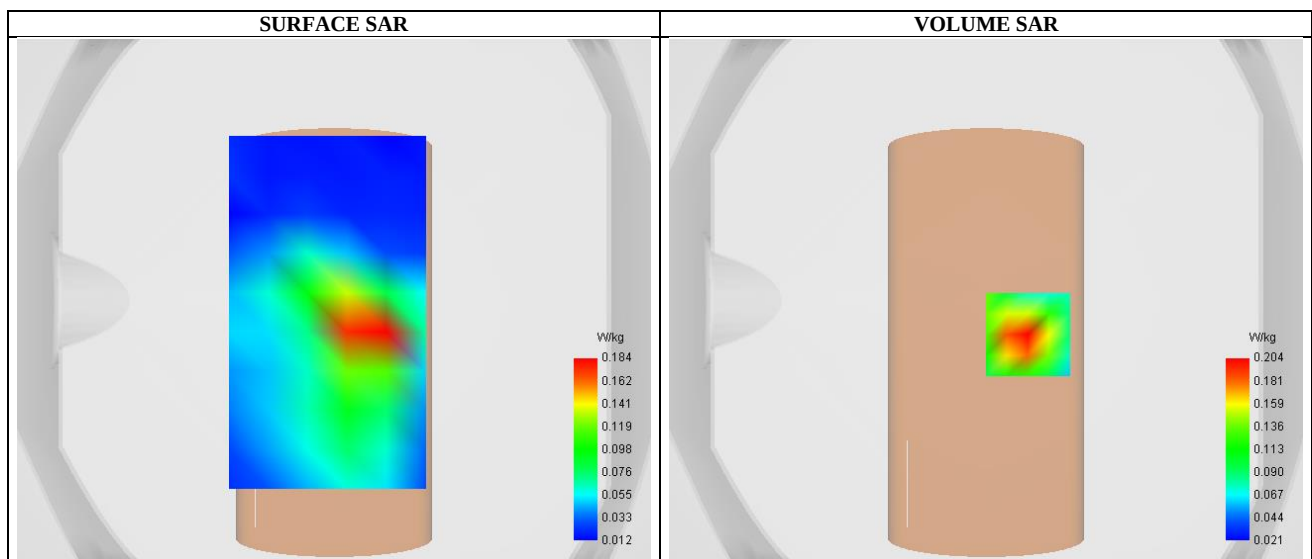
Date of measurement: 9/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.27                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 5x5x7,dx=5mm dy=5mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | NR_n41                              |
| Channels        | Middle                              |
| Signal          | NR (Crest factor: 1.0)              |

**B. Permittivity**

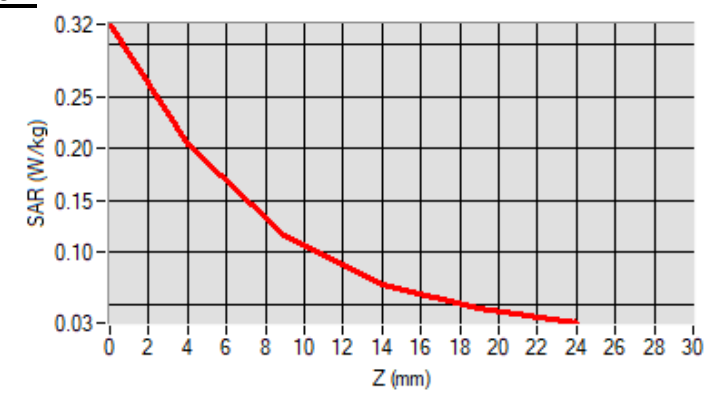
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 2592.990000 |
| Relative permittivity (real part) | 38.160000   |
| Conductivity (S/m)                | 1.937011    |

**C. SAR Surface and Volume**

Maximum location: X=16.00, Y=-13.00 ; SAR Peak: 0.32 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.106026  |
| SAR 1g (W/Kg)  | 0.192421  |
| Variation (%)  | -0.310000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (NR\_n66) (Body, Validation Plane)**

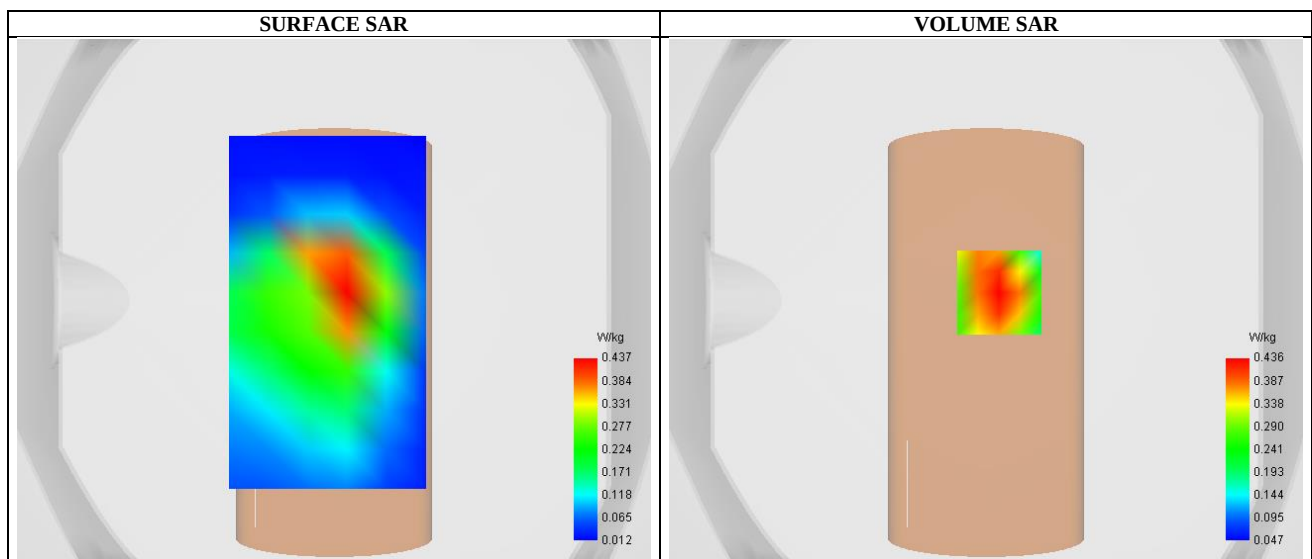
Date of measurement: 6/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.05                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | NR_n66                              |
| Channels        | High                                |
| Signal          | NR (Crest factor: 1.0)              |

**B. Permittivity**

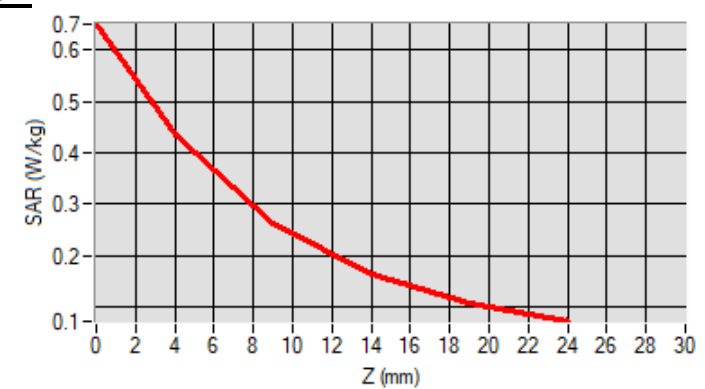
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 1760.000000 |
| Relative permittivity (real part) | 39.704544   |
| Conductivity (S/m)                | 1.350225    |

**C. SAR Surface and Volume**

Maximum location: X=5.00, Y=3.00 ; SAR Peak: 0.53 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.207451  |
| SAR 1g (W/Kg)  | 0.337665  |
| Variation (%)  | -1.670000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (NR\_n77) (Body, Validation Plane)**

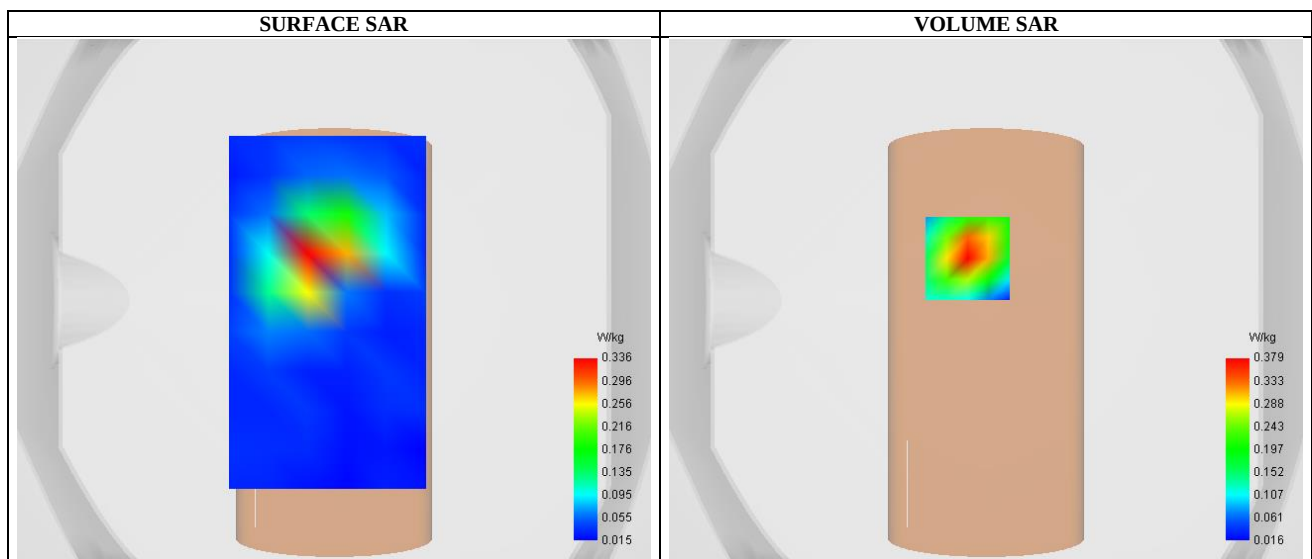
Date of measurement: 11/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.10                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 5x5x7,dx=5mm dy=5mm dz=4mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | NR_n77                              |
| Channels        | Middle                              |
| Signal          | NR (Crest factor: 1.0)              |

**B. Permittivity**

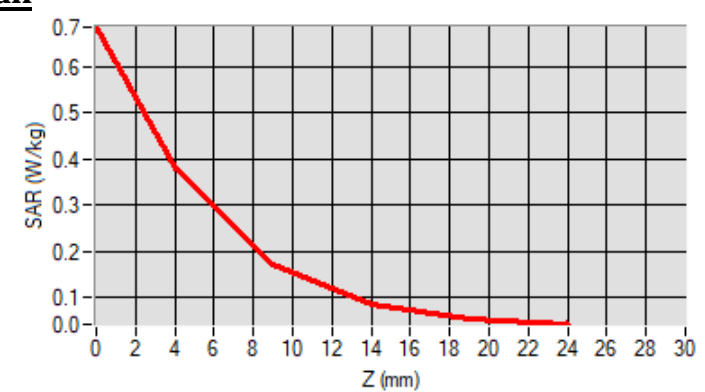
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 3500.010000 |
| Relative permittivity (real part) | 38.781230   |
| Conductivity (S/m)                | 2.930125    |

**C. SAR Surface and Volume**

Maximum location: X=-7.00, Y=16.00 ; SAR Peak: 0.69 W/kg

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

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.171632 |
| SAR 1g (W/Kg)  | 0.355669 |
| Variation (%)  | 1.000000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (NR\_n77) (Body, Validation Plane)**

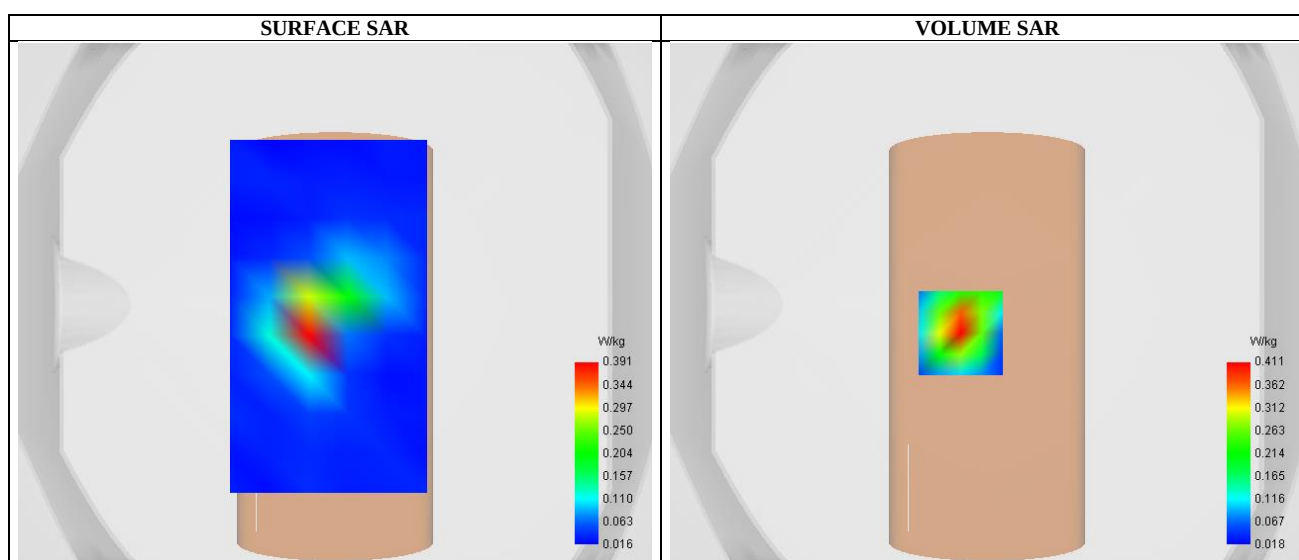
Date of measurement: 11/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.41                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 5x5x7,dx=5mm dy=5mm dz=4mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | NR_n77                              |
| Channels        | High                                |
| Signal          | NR (Crest factor: 1.0)              |

**B. Permittivity**

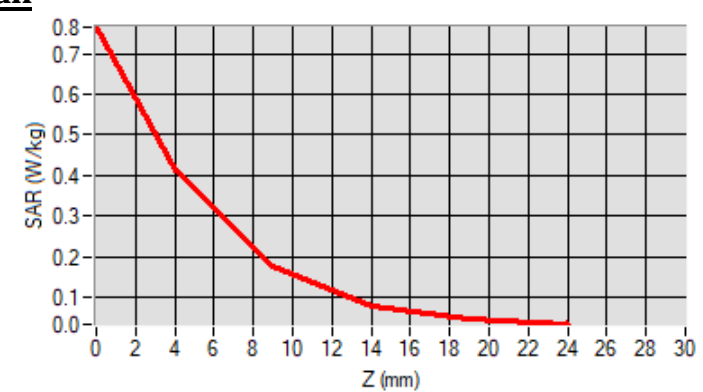
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 3930.000000 |
| Relative permittivity (real part) | 38.124044   |
| Conductivity (S/m)                | 3.361021    |

**C. SAR Surface and Volume**

Maximum location: X=-10.00, Y=-11.00 ; SAR Peak: 0.78 W/kg

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

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.169556 |
| SAR 1g (W/Kg)  | 0.381211 |
| Variation (%)  | 1.010000 |

**E. Z Axis Scan**

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

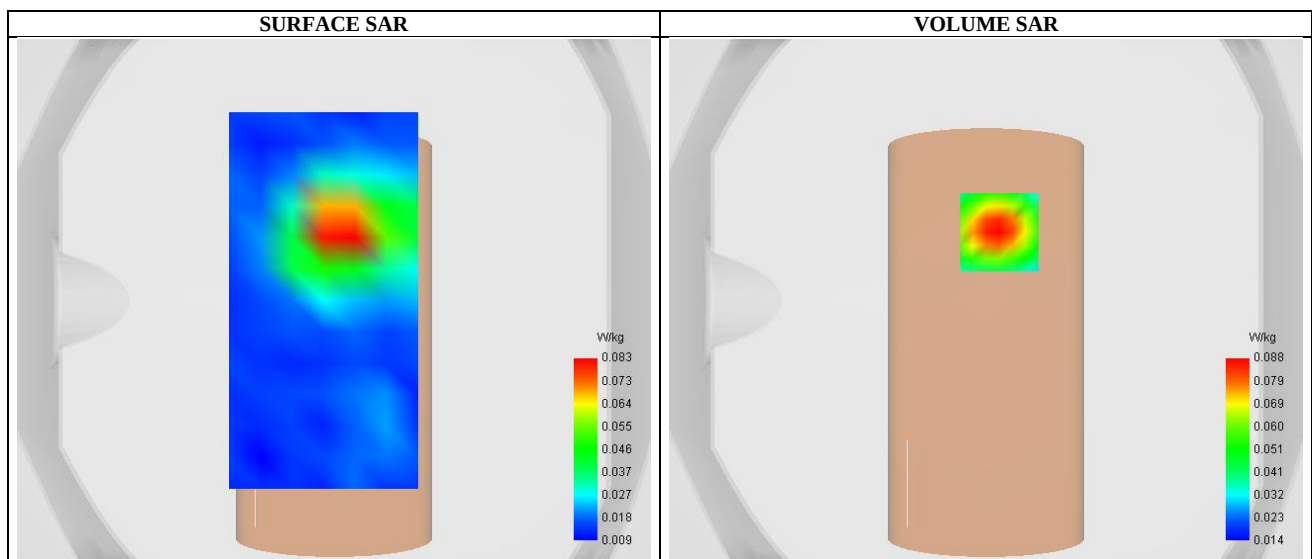
Date of measurement: 9/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.46                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 7x7x7,dx=5mm dy=5mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | IEEE 802.11b ISM                    |
| Channels        | Middle                              |
| Signal          | IEEE802.b (Crest factor: 1.0)       |

**B. Permittivity**

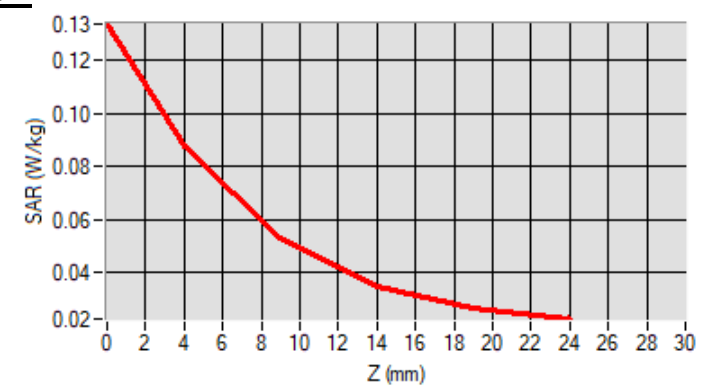
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 2437.000000 |
| Relative permittivity (real part) | 38.670012   |
| Conductivity (S/m)                | 1.788081    |

**C. SAR Surface and Volume**

Maximum location: X=5.00, Y=26.00 ; SAR Peak: 0.13 W/kg

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

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.049302 |
| SAR 1g (W/Kg)  | 0.081728 |
| Variation (%)  | 0.760000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (5.2GHz\_802.11a) (Body, Validation Plane)**

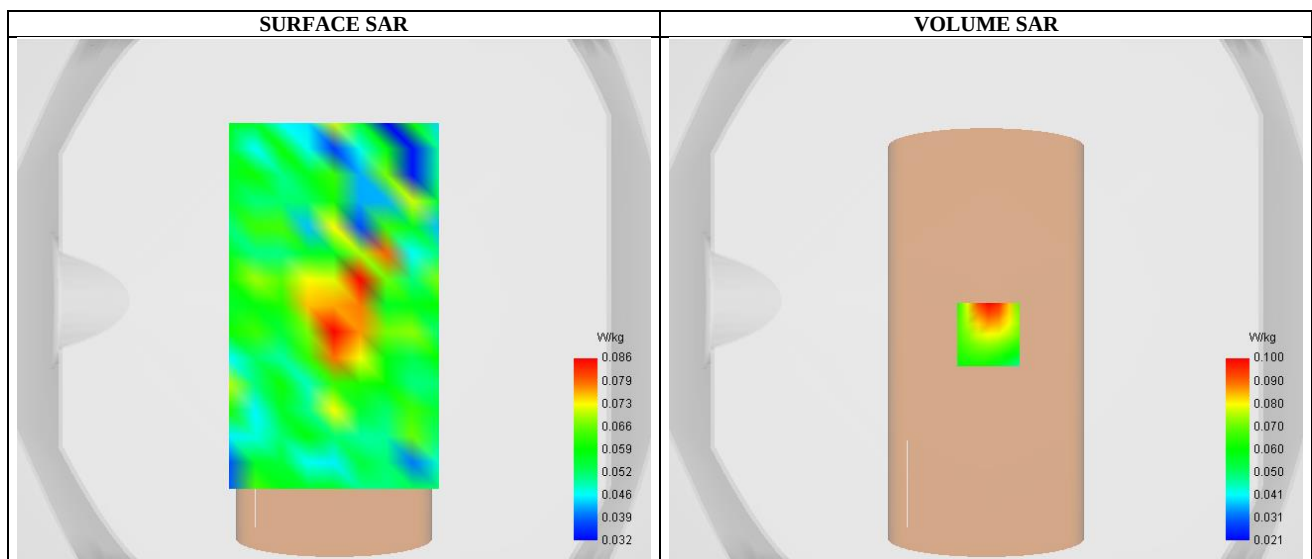
Date of measurement: 14/11/2022

**A. Experimental conditions.**

|                 |                                      |
|-----------------|--------------------------------------|
| Probe           | SN 18/21 EPG0354                     |
| ConvF           | 1.71                                 |
| Area Scan       | surf_sam_plan.txt                    |
| Zoom Scan       | 7x7x12,dx=4mm dy=4mm dz=2mm,Complete |
| Phantom         | Validation plane                     |
| Device Position | Body                                 |
| Band            | IEEE 802.11a                         |
| Channels        | High                                 |
| Signal          | IEEE802.a (Crest factor: 1.0)        |

**B. Permittivity**

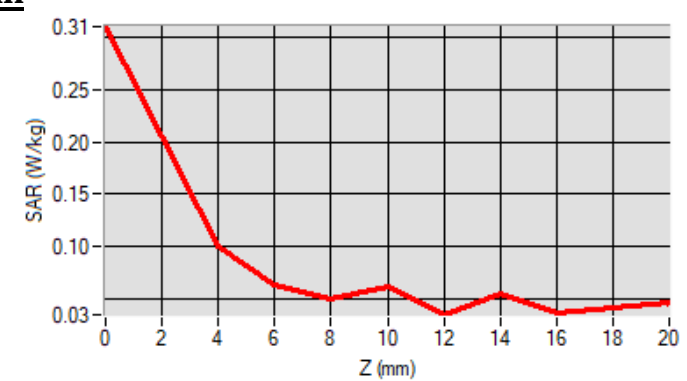
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 5240.000000 |
| Relative permittivity (real part) | 37.151564   |
| Conductivity (S/m)                | 4.735201    |

**C. SAR Surface and Volume**

Maximum location: X=1.00, Y=-13.00 ; SAR Peak: 0.14 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.052696  |
| SAR 1g (W/Kg)  | 0.067462  |
| Variation (%)  | -4.250000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (5.8GHz\_802.11a) (Body, Validation Plane)**

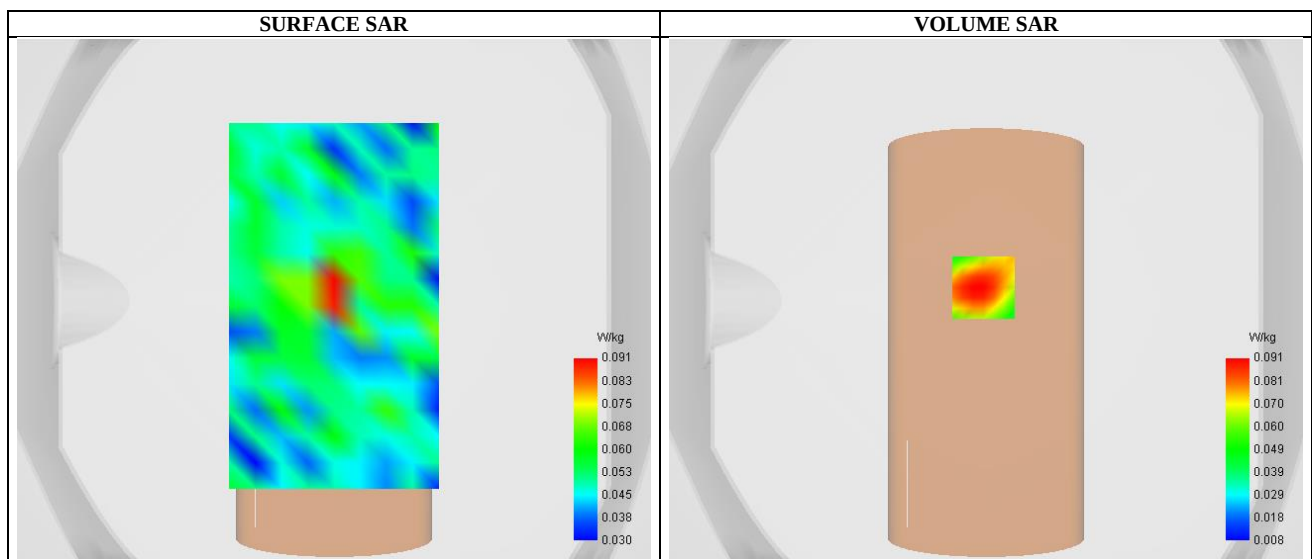
Date of measurement: 14/11/2022

**A. Experimental conditions.**

|                 |                                      |
|-----------------|--------------------------------------|
| Probe           | SN 18/21 EPG0354                     |
| ConvF           | 1.94                                 |
| Area Scan       | surf_sam_plan.txt                    |
| Zoom Scan       | 7x7x12,dx=4mm dy=4mm dz=2mm,Complete |
| Phantom         | Validation plane                     |
| Device Position | Body                                 |
| Band            | IEEE 802.11a                         |
| Channels        | Middle                               |
| Signal          | IEEE802.a (Crest factor: 1.0)        |

**B. Permittivity**

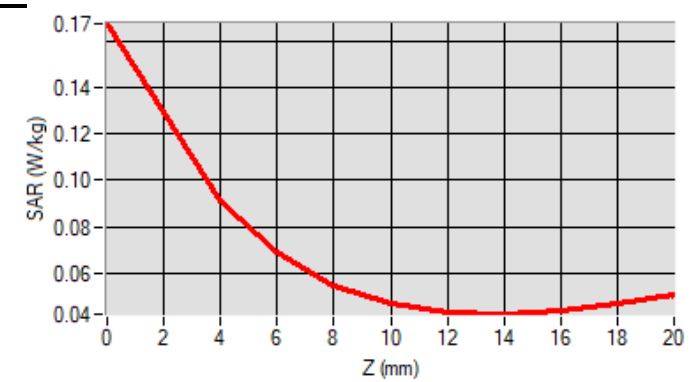
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 5785.000000 |
| Relative permittivity (real part) | 35.101241   |
| Conductivity (S/m)                | 5.214763    |

**C. SAR Surface and Volume**

Maximum location: X=-1.00, Y=5.00 ; SAR Peak: 0.12 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.053456  |
| SAR 1g (W/Kg)  | 0.075017  |
| Variation (%)  | -0.620000 |

**E. Z Axis Scan**

**SAR Measurement at Bluetooth (Body, Validation Plane)**

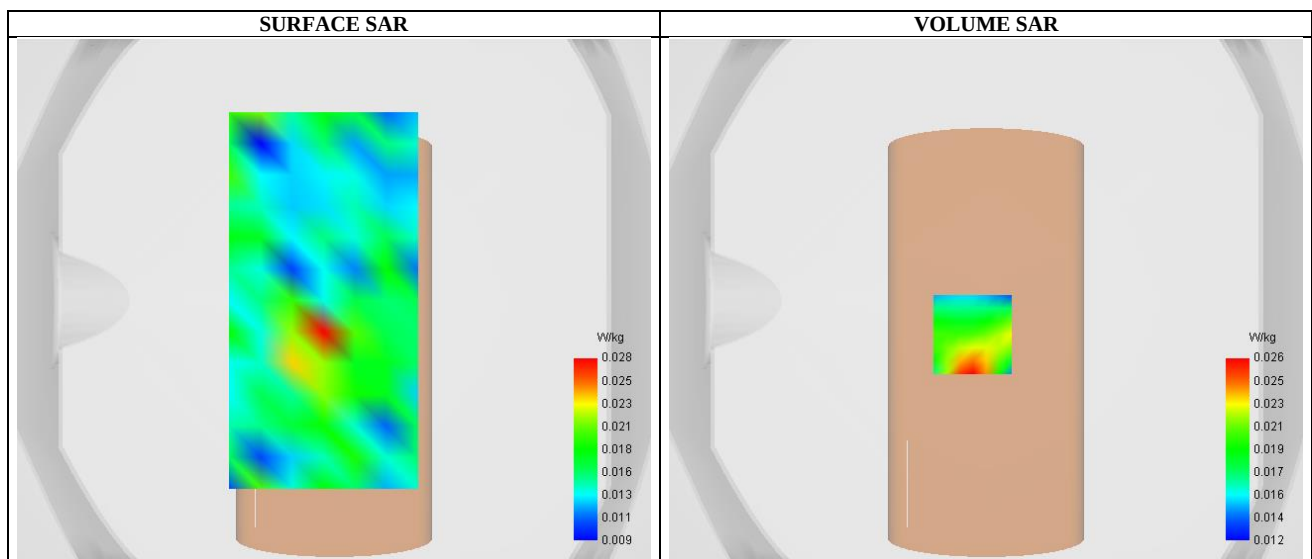
Date of measurement: 9/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.46                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 7x7x7,dx=5mm dy=5mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | Bluetooth                           |
| Channels        | High                                |
| Signal          | Bluetooth (Crest factor: 1.0)       |

**B. Permittivity**

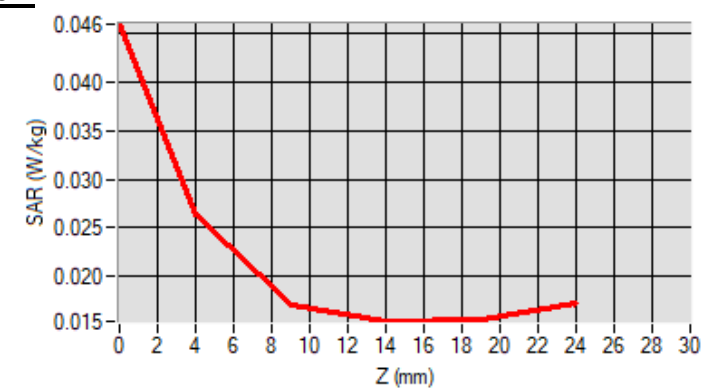
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 2480.000000 |
| Relative permittivity (real part) | 39.217999   |
| Conductivity (S/m)                | 1.791558    |

**C. SAR Surface and Volume**

Maximum location: X=-5.00, Y=-13.00 ; SAR Peak: 0.04 W/kg

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

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.018456 |
| SAR 1g (W/Kg)  | 0.023471 |
| Variation (%)  | 3.740000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (WCDMA\_1700) (Body, Validation Plane)**

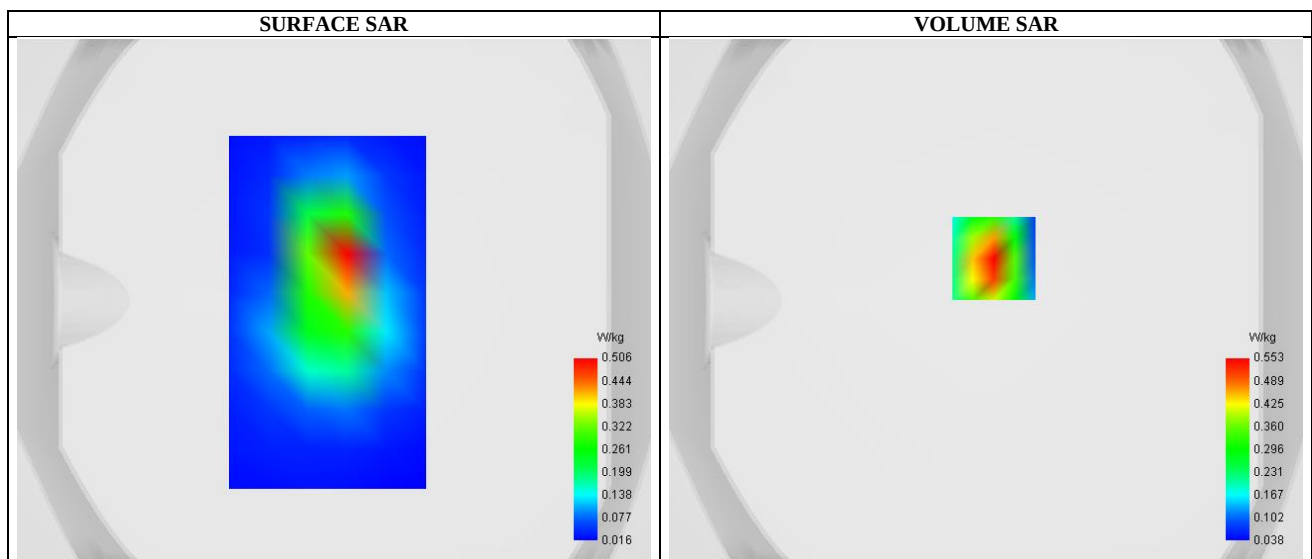
Date of measurement: 6/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.05                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | Band4_WCDMA1700                     |
| Channels        | High                                |
| Signal          | WCDMA (Crest factor: 1.0)           |

**B. Permittivity**

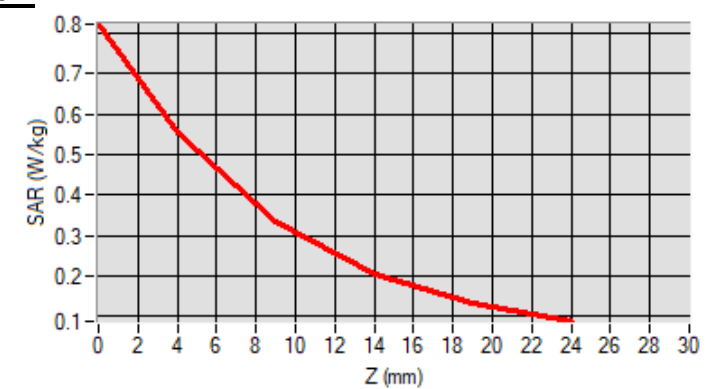
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 1752.599976 |
| Relative permittivity (real part) | 39.694744s  |
| Conductivity (S/m)                | 1.351441    |

**C. SAR Surface and Volume**

Maximum location: X=3.00, Y=16.00 ; SAR Peak: 0.69 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.236157  |
| SAR 1g (W/Kg)  | 0.422038  |
| Variation (%)  | -2.860000 |

**E. Z Axis Scan**

**SAR Measurement at LTE band 2 (Body, Validation Plane)**

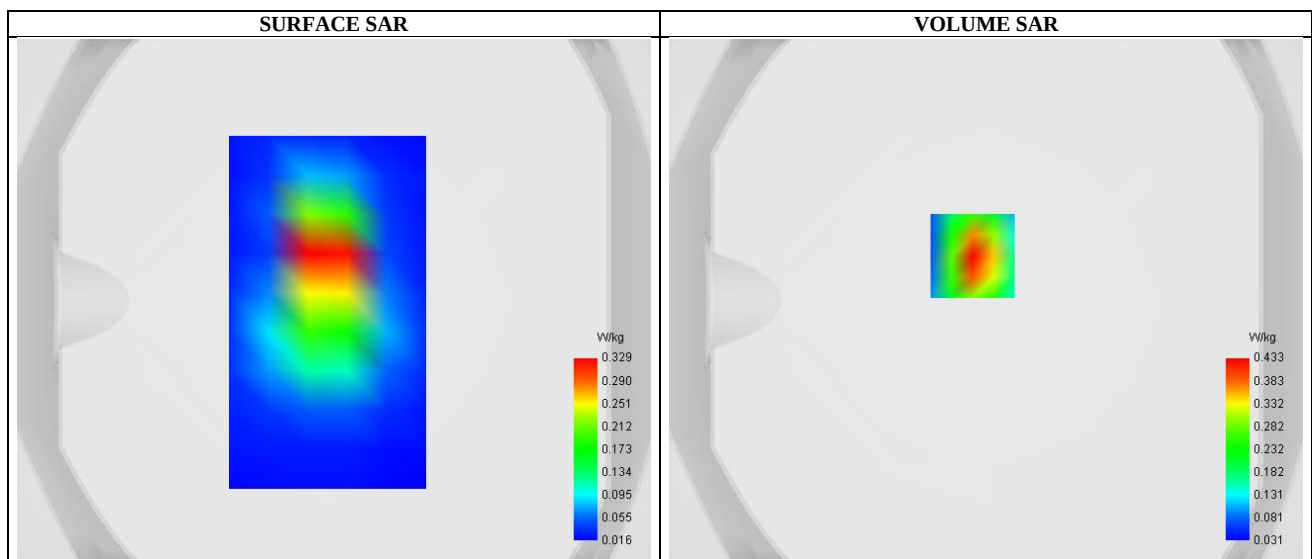
Date of measurement: 6/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.00                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | LTE band 2                          |
| Channels        | Low                                 |
| Signal          | LTE (Crest factor: 1.0)             |

**B. Permittivity**

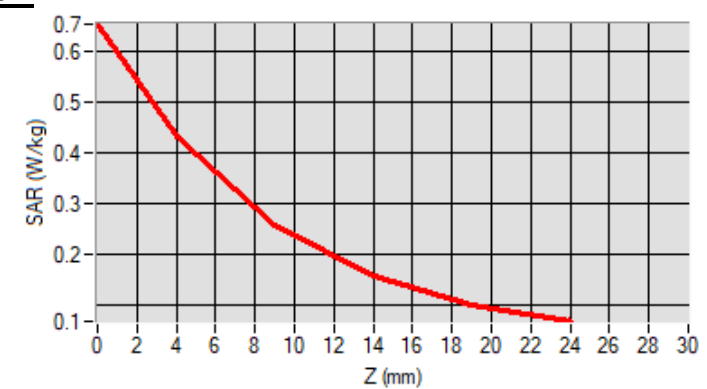
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 1860.000000 |
| Relative permittivity (real part) | 39.275280   |
| Conductivity (S/m)                | 1.365304    |

**C. SAR Surface and Volume**

Maximum location: X=-5.00, Y=17.00 ; SAR Peak: 0.66 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.217874  |
| SAR 1g (W/Kg)  | 0.400762  |
| Variation (%)  | -3.890000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (LTE Band 66) (Body, Validation Plane)**

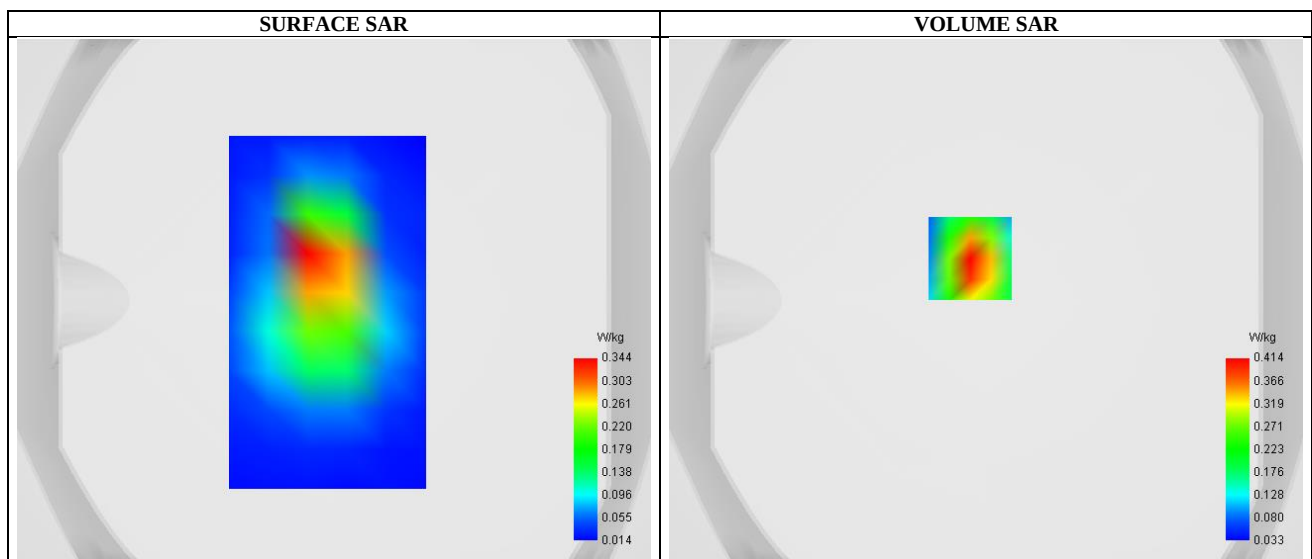
Date of measurement: 6/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.05                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | LTE band 66                         |
| Channels        | Middle                              |
| Signal          | LTE (Crest factor: 1.0)             |

**B. Permittivity**

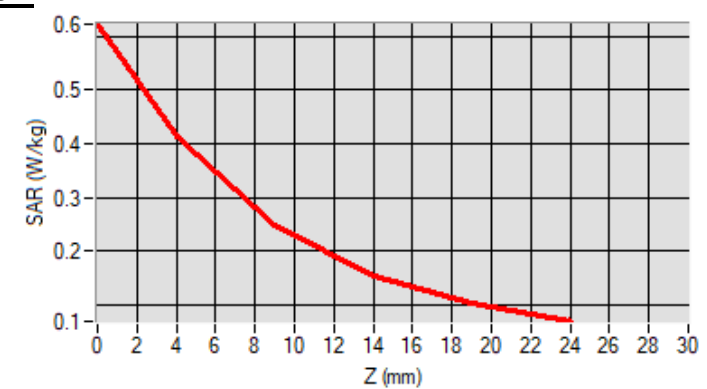
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 1745.000000 |
| Relative permittivity (real part) | 39.631000   |
| Conductivity (S/m)                | 1.350124    |

**C. SAR Surface and Volume**

Maximum location: X=-6.00, Y=16.00 ; SAR Peak: 0.63 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.216071  |
| SAR 1g (W/Kg)  | 0.386902  |
| Variation (%)  | -0.190000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (NR\_n66) (Body, Validation Plane)**

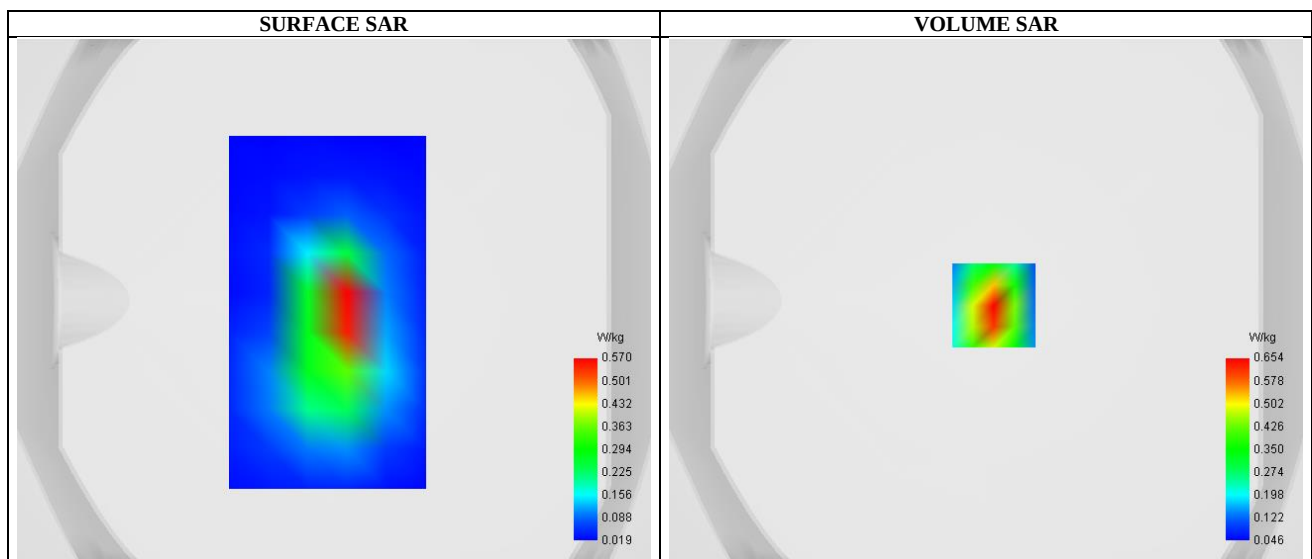
Date of measurement: 6/11/2022

**A. Experimental conditions.**

|                 |                                     |
|-----------------|-------------------------------------|
| Probe           | SN 18/21 EPG0354                    |
| ConvF           | 2.05                                |
| Area Scan       | surf_sam_plan.txt                   |
| Zoom Scan       | 5x5x7,dx=8mm dy=8mm dz=5mm,Complete |
| Phantom         | Validation plane                    |
| Device Position | Body                                |
| Band            | NR_n66                              |
| Channels        | High                                |
| Signal          | NR (Crest factor: 1.0)              |

**B. Permittivity**

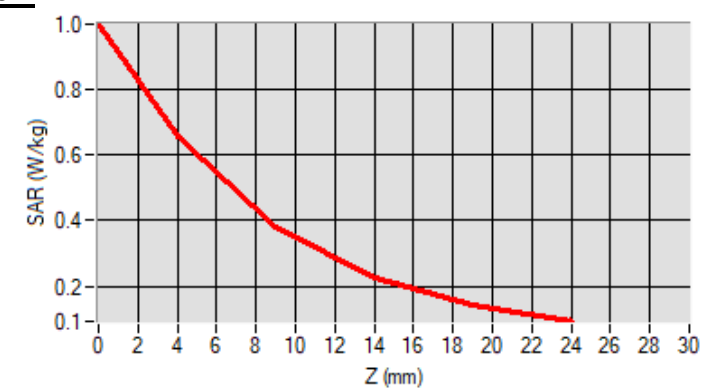
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 1760.000000 |
| Relative permittivity (real part) | 39.704544   |
| Conductivity (S/m)                | 1.350225    |

**C. SAR Surface and Volume**

Maximum location: X=3.00, Y=-2.00 ; SAR Peak: 0.82 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.264959  |
| SAR 1g (W/Kg)  | 0.488550  |
| Variation (%)  | -0.170000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (5.2GHz\_802.11a) (Body, Validation Plane)**

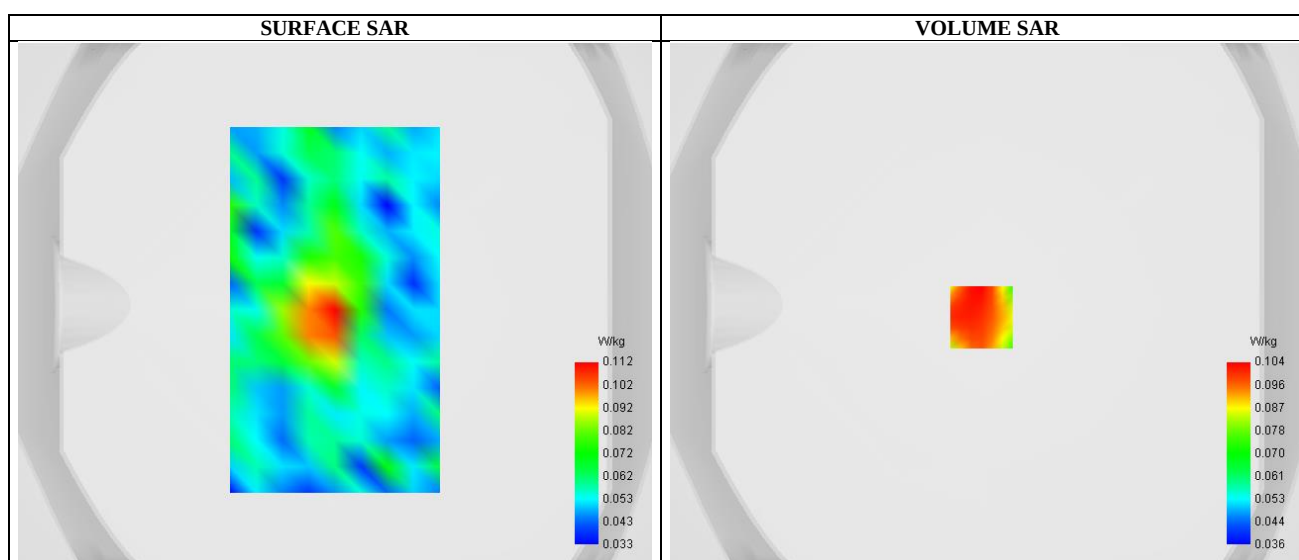
Date of measurement: 14/11/2022

**A. Experimental conditions.**

|                 |                                      |
|-----------------|--------------------------------------|
| Probe           | SN 18/21 EPG0354                     |
| ConvF           | 1.71                                 |
| Area Scan       | surf_sam_plan.txt                    |
| Zoom Scan       | 7x7x12,dx=4mm dy=4mm dz=2mm,Complete |
| Phantom         | Validation plane                     |
| Device Position | Body                                 |
| Band            | IEEE802.11a                          |
| Channels        | High                                 |
| Signal          | IEEE802.11a (Crest factor: 1.0)      |

**B. Permittivity**

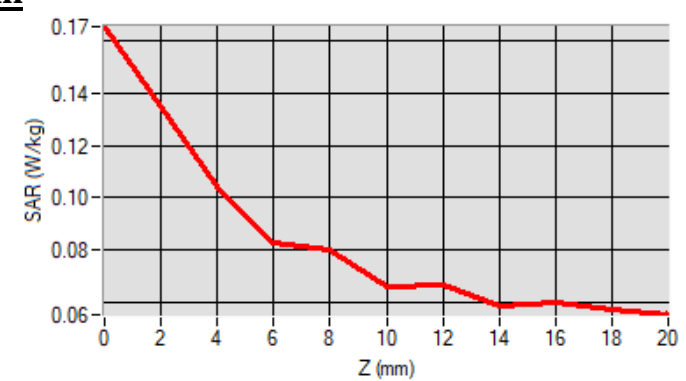
|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 5240.000000 |
| Relative permittivity (real part) | 37.151564   |
| Conductivity (S/m)                | 4.735201    |

**C. SAR Surface and Volume**

Maximum location: X=-2.00, Y=-5.00 ; SAR Peak: 0.13 W/kg

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

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 0.065629  |
| SAR 1g (W/Kg)  | 0.087766  |
| Variation (%)  | -3.070000 |

**E. Z Axis Scan**

**SAR Measurement at CUSTOM (5.8GHz 802.11a) (Body, Validation Plane)**

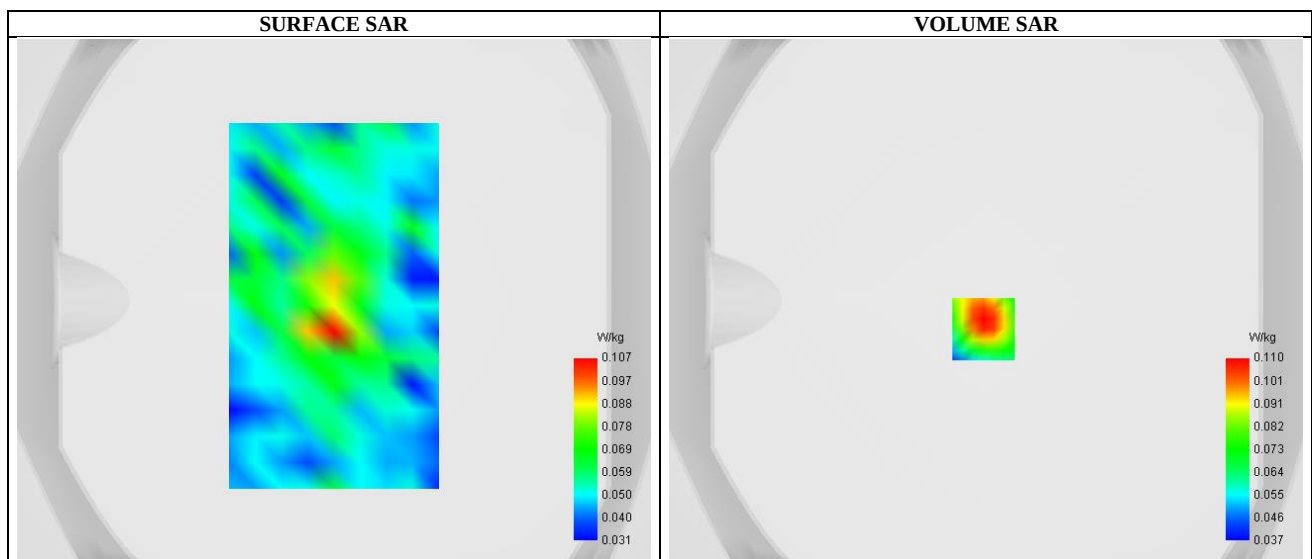
Date of measurement: 14/11/2022

**A. Experimental conditions.**

|                 |                                      |
|-----------------|--------------------------------------|
| Probe           | SN 18/21 EPG0354                     |
| ConvF           | 1.94                                 |
| Area Scan       | surf_sam_plan.txt                    |
| Zoom Scan       | 7x7x12,dx=4mm dy=4mm dz=2mm,Complete |
| Phantom         | Validation plane                     |
| Device Position | Body                                 |
| Band            | IEEE802.11a                          |
| Channels        | Middle                               |
| Signal          | IEEE802.11a (Crest factor: 1.0)      |

**B. Permittivity**

|                                   |             |
|-----------------------------------|-------------|
| Frequency (MHz)                   | 5785.000000 |
| Relative permittivity (real part) | 35.101241   |
| Conductivity (S/m)                | 5.214763    |

**C. SAR Surface and Volume**

Maximum location: X=-1.00, Y=-11.00 ; SAR Peak: 0.13 W/kg

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

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.061723 |
| SAR 1g (W/Kg)  | 0.085812 |
| Variation (%)  | 0.200000 |

**E. Z Axis Scan**