

## Appendix B: SAR Measurement results Plots

| Plot | Frequency/Mode               | Testing Position and Channel | Test Date  |
|------|------------------------------|------------------------------|------------|
| 1    | GPRS850Tx ANT1               | Body Front, Middle,10mm      | 2023/03/14 |
| 2    | GPRS850Tx ANT1               | Body Back, High,10mm         | 2023/03/14 |
| 3    | GPRS1900Tx ANT1              | Body Front, Middle,10mm      | 2023/03/04 |
| 4    | GPRS1900Tx ANT1              | Body Back, Middle,10mm       | 2023/03/04 |
| 5    | WCDMA850 ANT1                | Body Front, Middle,10mm      | 2023/03/14 |
| 6    | WCDMA850 ANT1                | Body Back, Middle,10mm       | 2023/03/14 |
| 7    | WCDMA1700 ANT1               | Body Front, Middle,10mm      | 2023/03/08 |
| 8    | WCDMA1700 ANT1               | Body Back, Middle,10mm       | 2023/03/08 |
| 9    | WCDMA1900 ANT1               | Body Front, Middle ,10mm     | 2023/03/04 |
| 10   | WCDMA1900 ANT1               | Body Back, Middle,10mm       | 2023/03/04 |
| 11   | LTE Band2 ANT1               | Body Front, Middle,10mm      | 2023/03/04 |
| 12   | LTE Band2 ANT1               | Body Back, Middle,10mm       | 2023/03/04 |
| 13   | LTE Band4 ANT1               | Body Front, Middle,10mm      | 2023/03/08 |
| 14   | LTE Band4 ANT1               | Body Back, Middle,10mm       | 2023/03/08 |
| 15   | LTE Band5 ANT1               | Body Front, Middle,10mm      | 2023/03/14 |
| 16   | LTE Band5 ANT1               | Body Back, Middle,10mm       | 2023/03/14 |
| 17   | LTE Band7 ANT1               | Body Front, Middle,10mm      | 2023/03/15 |
| 18   | LTE Band7 ANT1               | Body Back, Middle,10mm       | 2023/03/15 |
| 19   | LTE Band12 ANT1              | Body Front, Middle,10mm      | 2023/03/05 |
| 20   | LTE Band12 ANT1              | Body Back, Middle,10mm       | 2023/03/05 |
| 21   | LTE Band13 ANT1              | Body Front, Middle,10mm      | 2023/03/05 |
| 22   | LTE Band13 ANT1              | Body Back, Middle,10mm       | 2023/03/05 |
| 23   | LTE Band25 ANT1              | Body Front, Middle,10mm      | 2023/03/04 |
| 24   | LTE Band25 ANT1              | Body Back, Middle,10mm       | 2023/03/04 |
| 25   | LTE Band26(Part 22) ANT1     | Body Front, Middle,10mm      | 2023/03/14 |
| 26   | LTE Band26(Part 22) ANT1     | Body Back, Middle,10mm       | 2023/03/14 |
| 27   | LTE Band26(Part 90) ANT1     | Body Front, Middle,10mm      | 2023/03/14 |
| 28   | LTE Band26(Part 90) ANT1     | Body Back, Middle,10mm       | 2023/03/14 |
| 29   | WI-FI 2.4G 802.11b ANT3      | Body Front,Middle,10mm       | 2023/03/07 |
| 30   | WI-FI 2.4G 802.11b ANT3      | Body Right,Middle,10mm       | 2023/03/07 |
| 31   | WI-FI U-NII 1 802.11a ANT 3  | Body Front,Middle,10mm       | 2023/03/17 |
| 32   | WI-FI U-NII 2a 802.11a ANT 3 | Body Front,Middle,10mm       | 2023/03/17 |
| 33   | WI-FI U-NII 2c 802.11a ANT 3 | Body Front,Middle,10mm       | 2023/03/18 |
| 34   | WI-FI U-NII 3 802.11a ANT 3  | Body Front,Middle,10mm       | 2023/03/18 |
| 35   | Bluetooth 3DH5 ANT3          | Body Front,Middle,10mm       | 2023/03/07 |
| 36   | Bluetooth 3DH5 ANT3          | Body Right,Middle,10mm       | 2023/03/07 |

## Testing result (GPRS850, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/14/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPGO383     |
| Area Scan       | dx=15mm dy=15mm             |
| ZoomScan        | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | GPRS850_2Tx                 |
| Channels        | Middle                      |
| Signal          | GSM(Crest factor: 4.0)      |

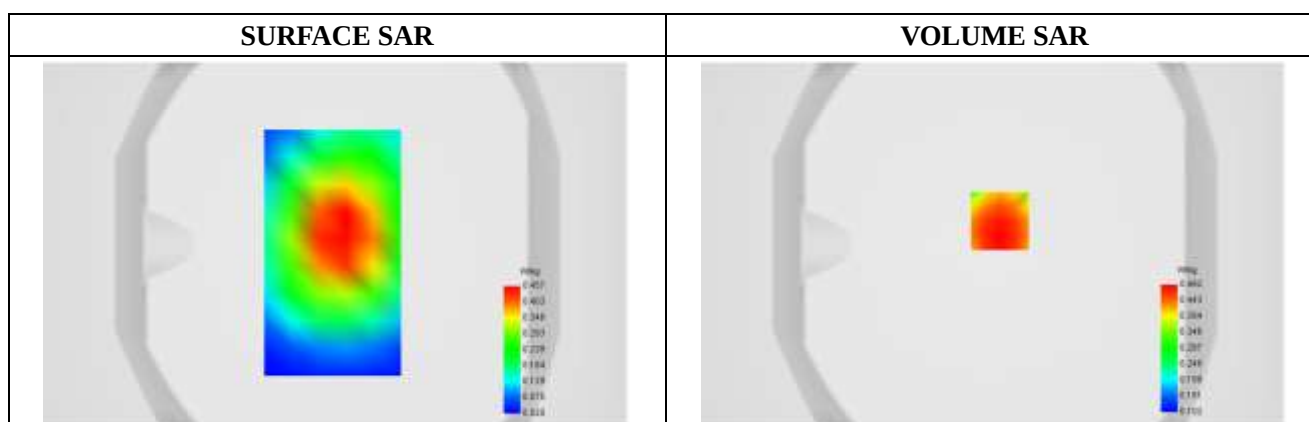
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 836.6 |
| Relative permittivity (real part) | 41.27 |
| Conductivity (S/m)                | 0.91  |
| Variation (%)                     | 0.78  |

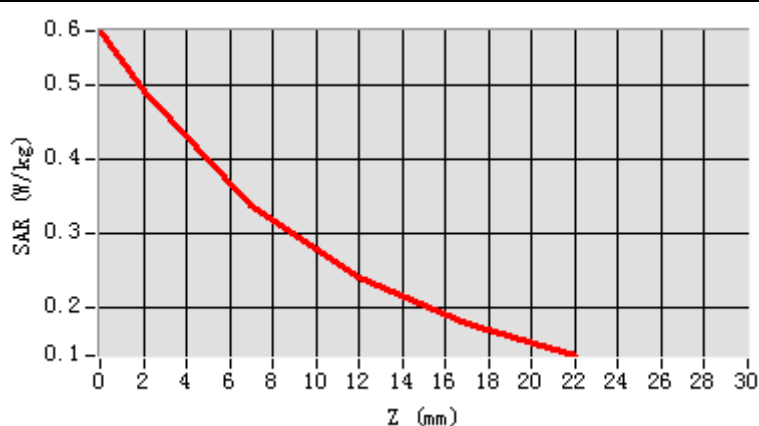
Maximum location: X=3.00, Y=13.00

SAR Peak: 0.61 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.283204 |
| SAR 1g (W/Kg)  | 0.509185 |



### Z Axis Scan



## Testing result (GPRS850, Back, High, 10mm)

Type: phone measurement

Date of measurement: 03/14/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| ZoomScan        | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | GPRS850_2Tx                 |
| Channels        | High                        |
| Signal          | GSM(Crest factor: 4.0)      |

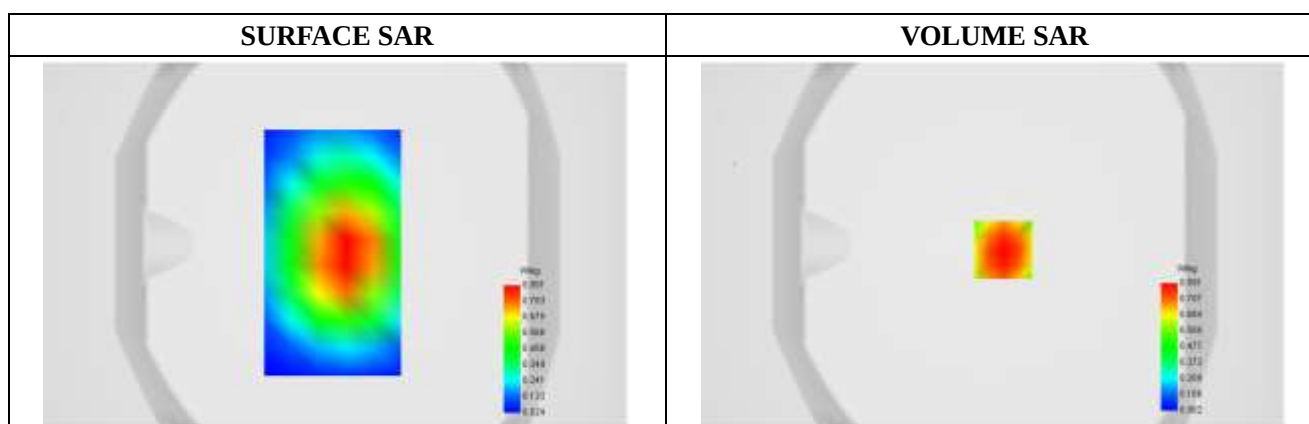
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 848.8 |
| Relative permittivity (real part) | 41.20 |
| Conductivity (S/m)                | 0.93  |
| Variation (%)                     | -1.96 |

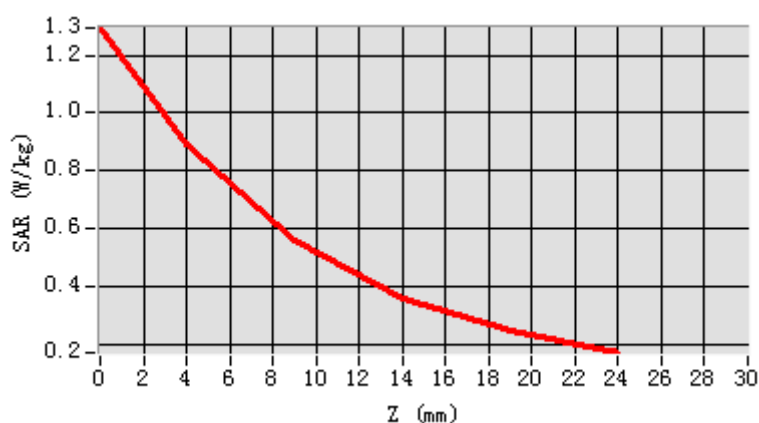
Maximum location: X=5.00, Y=-3.00

SAR Peak: 1.29 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.479007 |
| SAR 1g (W/Kg)  | 0.812052 |



### Z Axis Scan



## Testing result (GPRS1900, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/04/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | GPRS1900_2Tx                |
| Channels        | Middle                      |
| Signal          | GSM(Crest factor: 4.0)      |

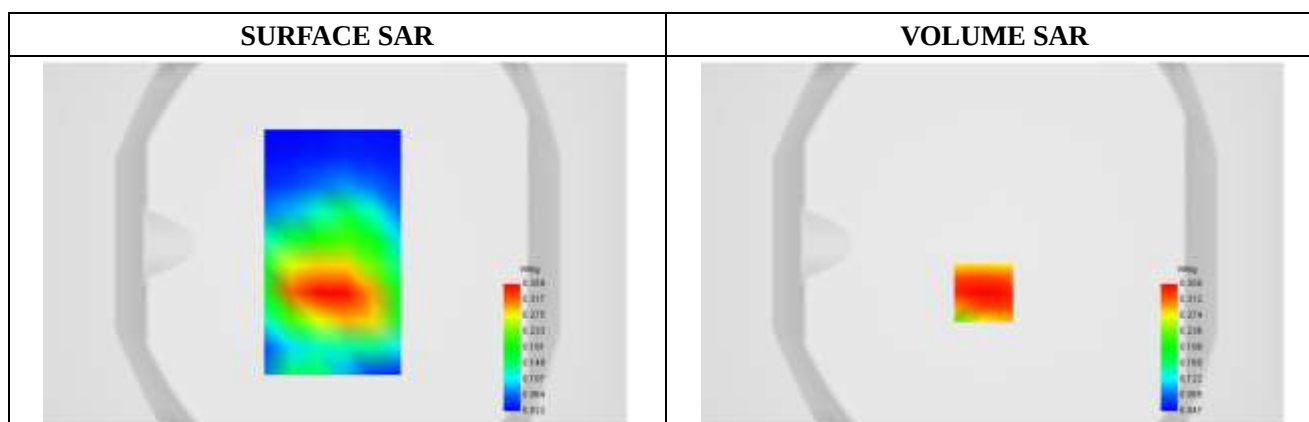
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 1880  |
| Relative permittivity (real part) | 41.12 |
| Conductivity (S/m)                | 1.39  |
| Variation (%)                     | -2.01 |

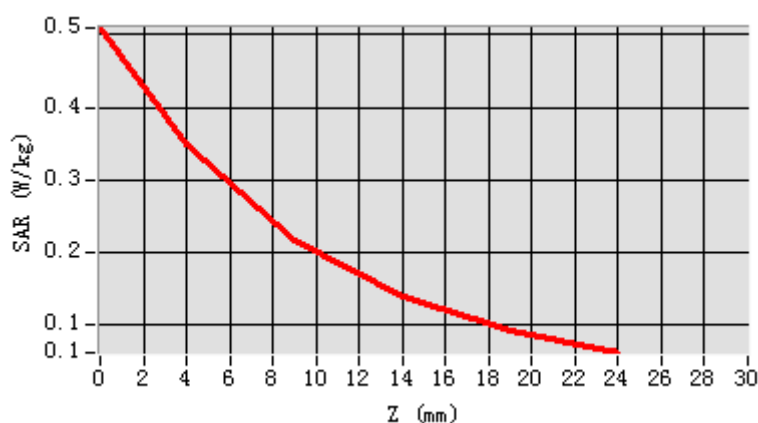
Maximum location: X=-6.00, Y=-27.00

SAR Peak: 0.51 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.191827 |
| SAR 1g (W/Kg)  | 0.334994 |



### Z Axis Scan



## Testing result (GPRS1900, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/04/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | GPRS1900_2Tx                |
| Channels        | Middle                      |
| Signal          | GSM(Crest factor: 4.0)      |

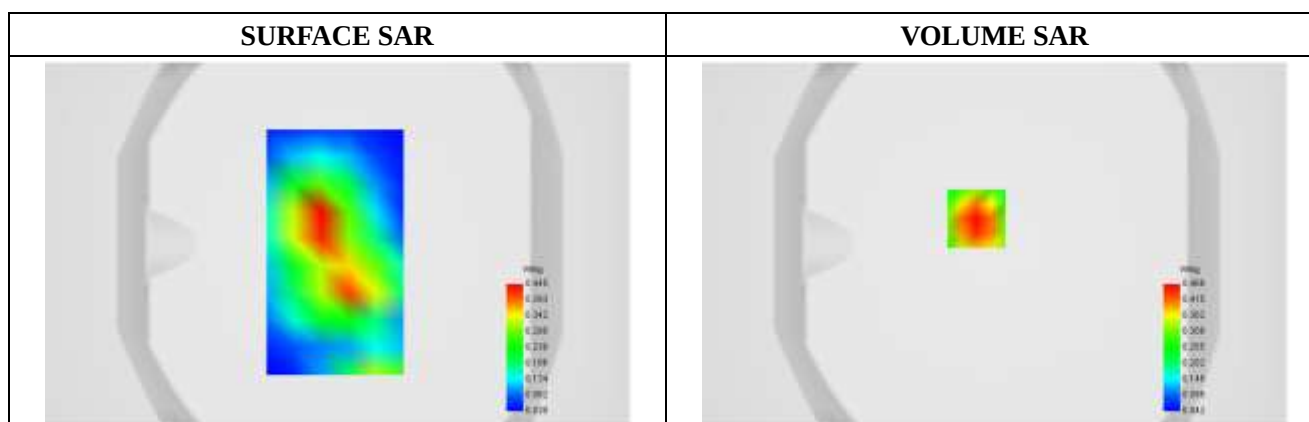
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 1880  |
| Relative permittivity (real part) | 41.12 |
| Conductivity (S/m)                | 1.39  |
| Variation (%)                     | 1.05  |

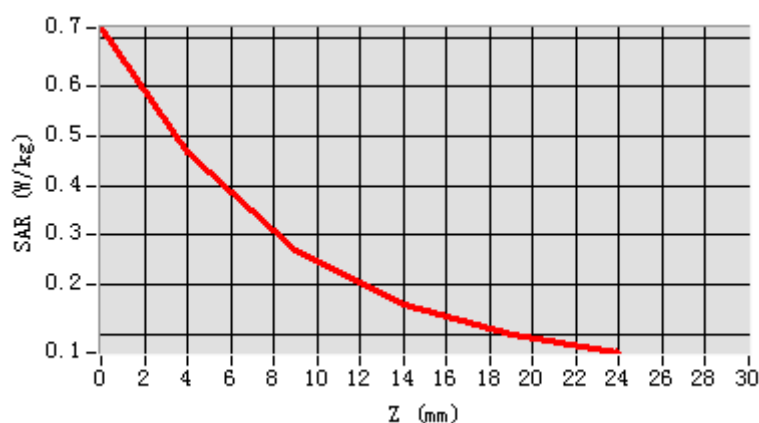
Maximum location: X=-11.00, Y=14.00

SAR Peak: 0.72 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.246814 |
| SAR 1g (W/Kg)  | 0.414351 |



### Z Axis Scan



## Testing result (WCDMA850, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/14/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | WCDMA850                    |
| Channels        | Middle                      |
| Signal          | WCDMA(Crest factor: 1.0)    |

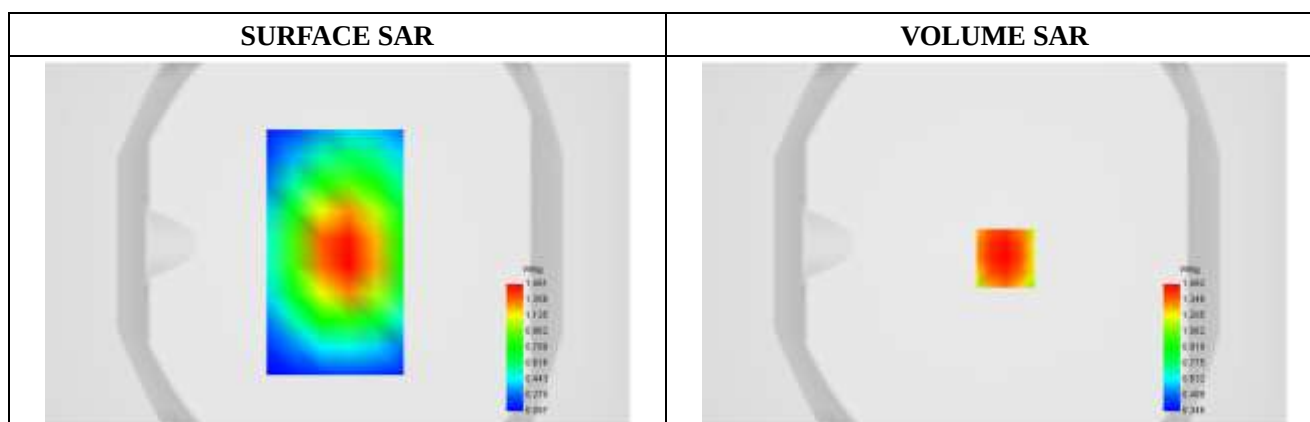
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 836.6 |
| Relative permittivity (real part) | 41.27 |
| Conductivity (S/m)                | 0.91  |
| Variation (%)                     | 0.25  |

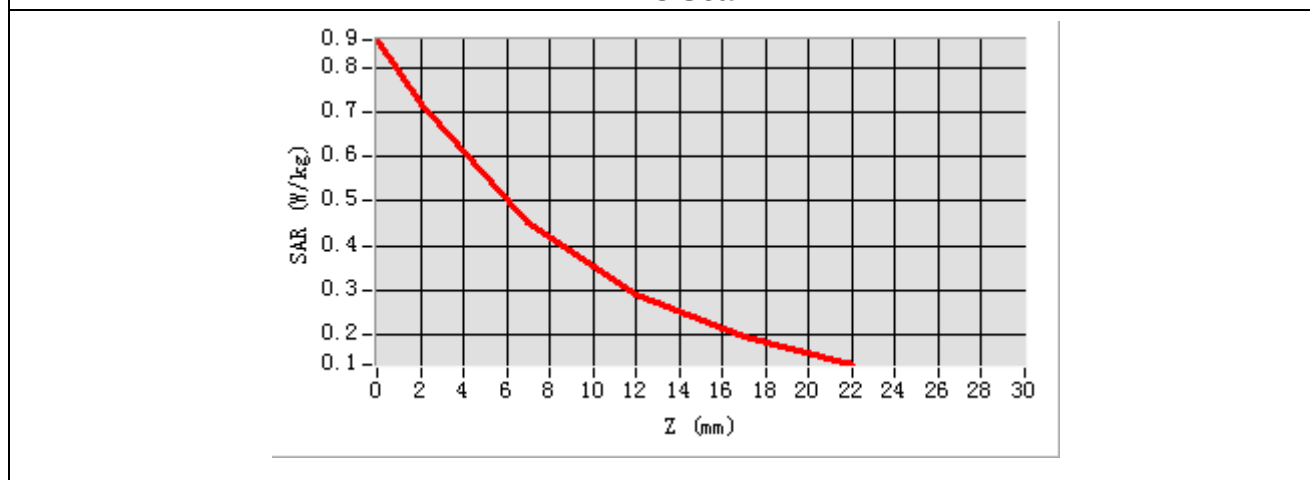
Maximum location: X=5.00, Y=-8.00

SAR Peak: 0.88 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.337851 |
| SAR 1g (W/Kg)  | 0.576200 |



### Z Axis Scan



## Testing result (WCDMA850, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/14/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | WCDMA850                    |
| Channels        | Middle                      |
| Signal          | WCDMA(Crest factor: 1.0)    |

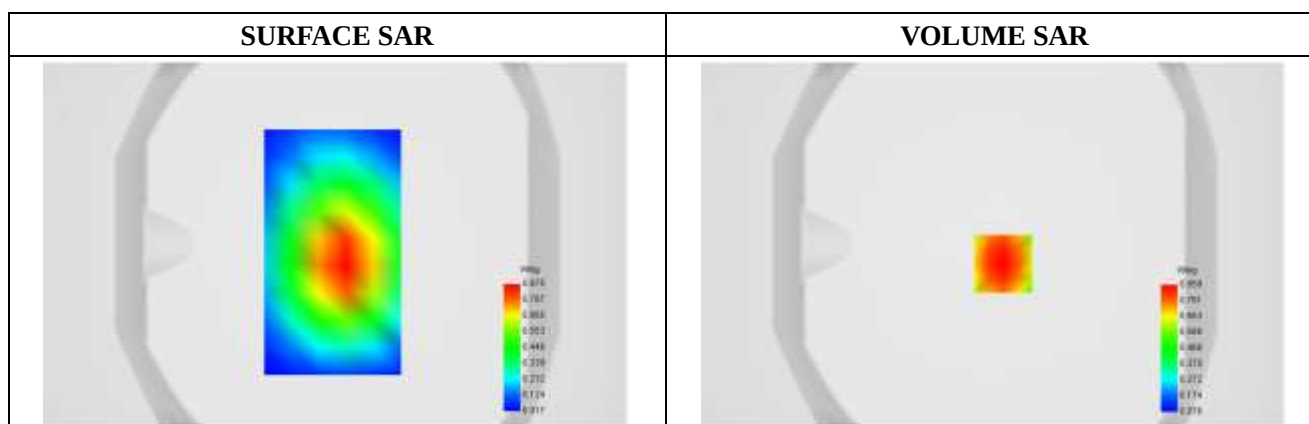
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 836.6 |
| Relative permittivity (real part) | 41.27 |
| Conductivity (S/m)                | 0.91  |
| Variation (%)                     | -2.64 |

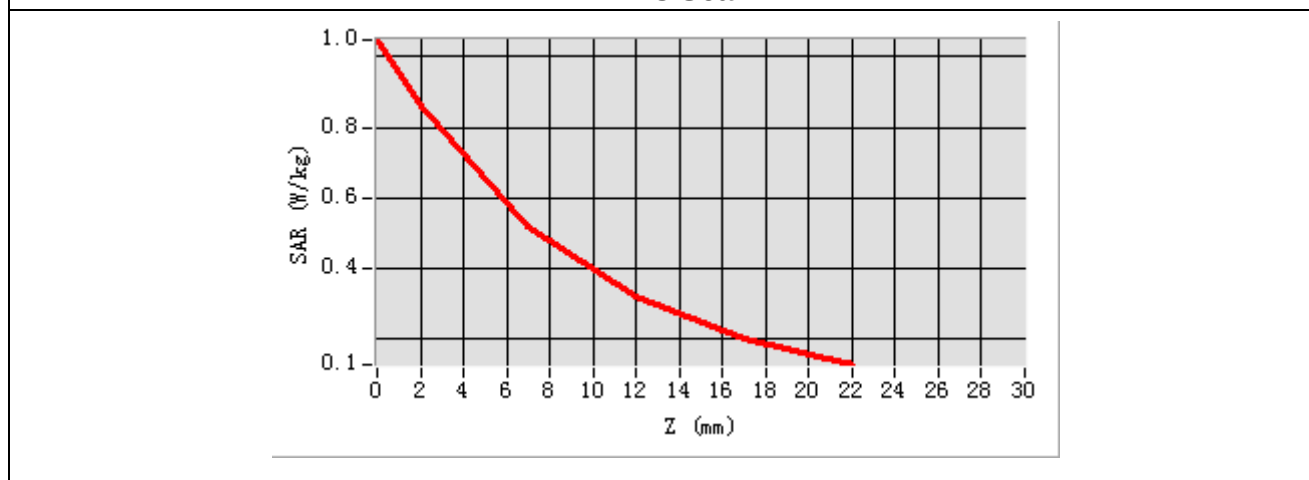
Maximum location: X=5.00, Y=-11.00

SAR Peak: 1.05 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.406820 |
| SAR 1g (W/Kg)  | 0.692324 |



### Z Axis Scan



## Testing result (WCDMA1700, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/08/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | WCDMA1700                   |
| Channels        | Middle                      |
| Signal          | WCDMA(Crest factor: 1.0)    |

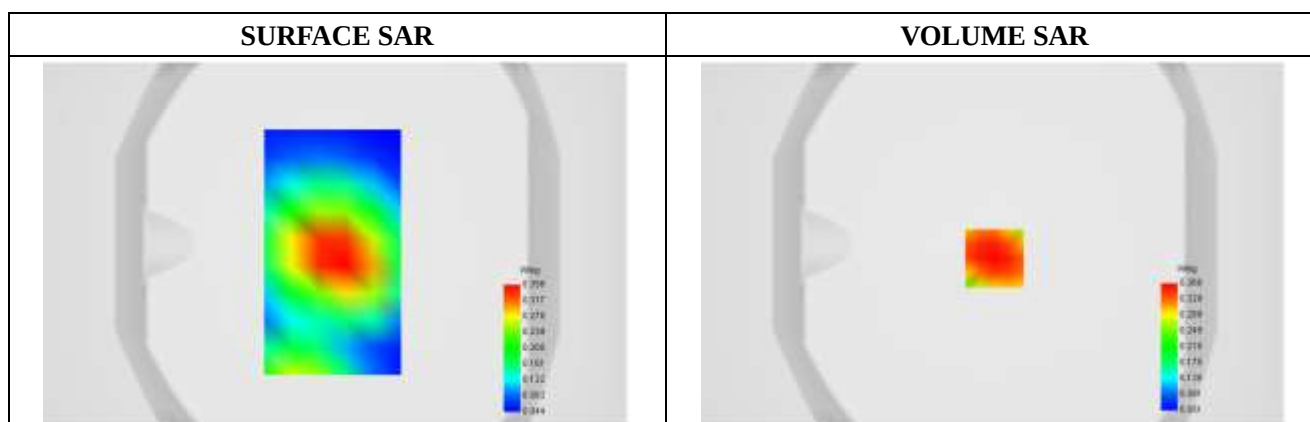
### B. SAR Measurement Results

|                                   |        |
|-----------------------------------|--------|
| Frequency (MHz)                   | 1732.6 |
| Relative permittivity (real part) | 40.47  |
| Conductivity (S/m)                | 1.34   |
| Variation (%)                     | -3.68  |

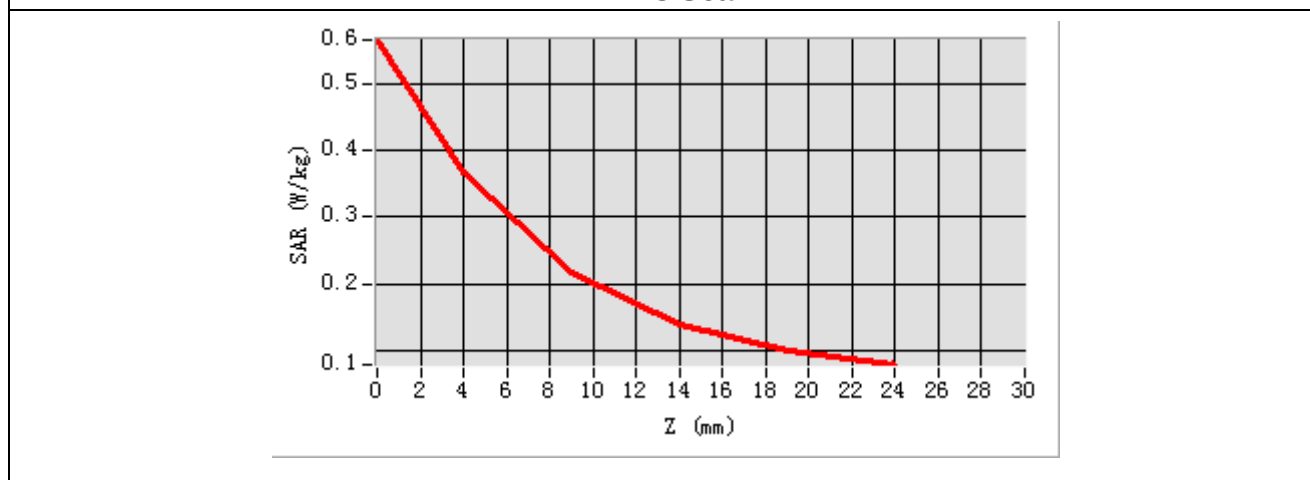
Maximum location: X=0.00, Y=-8.00

SAR Peak: 0.63 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.200889 |
| SAR 1g (W/Kg)  | 0.345092 |



### Z Axis Scan



## Testing result (WCDMA1700, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/08/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | WCDMA1700                   |
| Channels        | Middle                      |
| Signal          | WCDMA(Crest factor: 1.0)    |

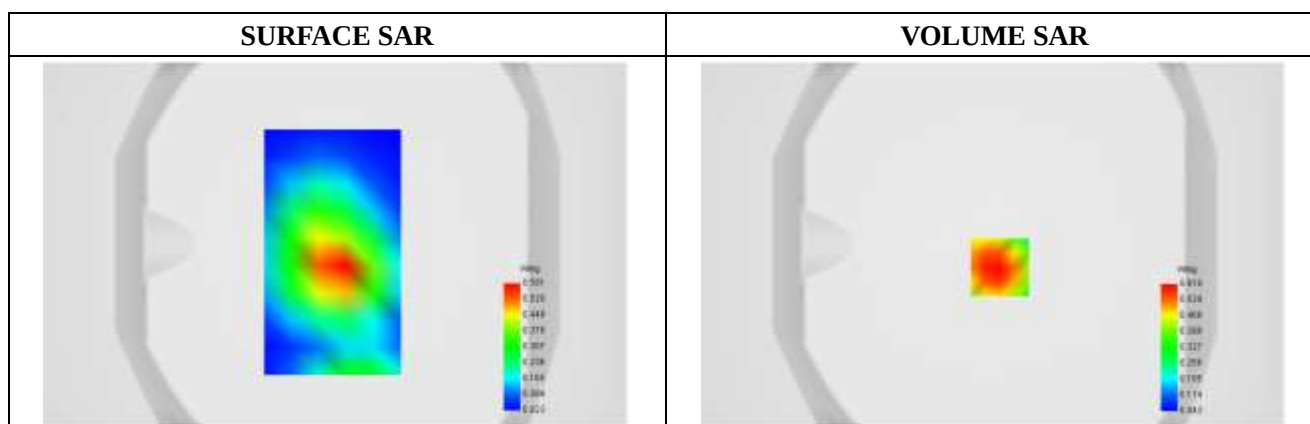
### B. SAR Measurement Results

|                                   |        |
|-----------------------------------|--------|
| Frequency (MHz)                   | 1732.6 |
| Relative permittivity (real part) | 40.47  |
| Conductivity (S/m)                | 1.34   |
| Variation (%)                     | 0.21   |

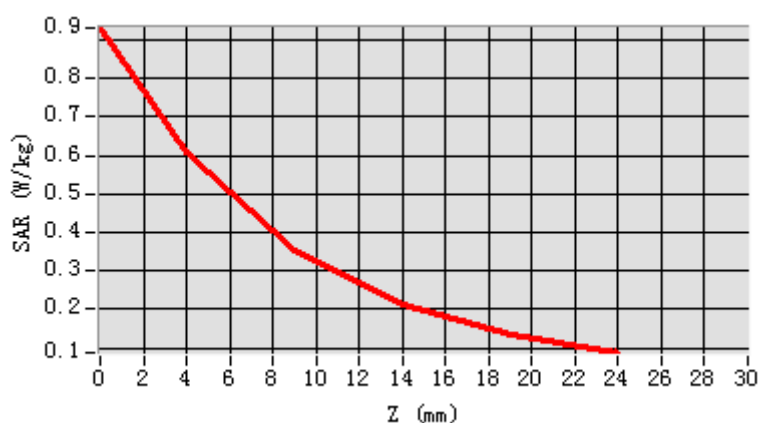
Maximum location: X=3.00, Y=-13.00

SAR Peak: 0.89 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.283001 |
| SAR 1g (W/Kg)  | 0.517114 |



### Z Axis Scan



## Testing result (WCDMA1900, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/04/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | WCDMA1900                   |
| Channels        | Middle                      |
| Signal          | WCDMA(Crest factor: 1.0)    |

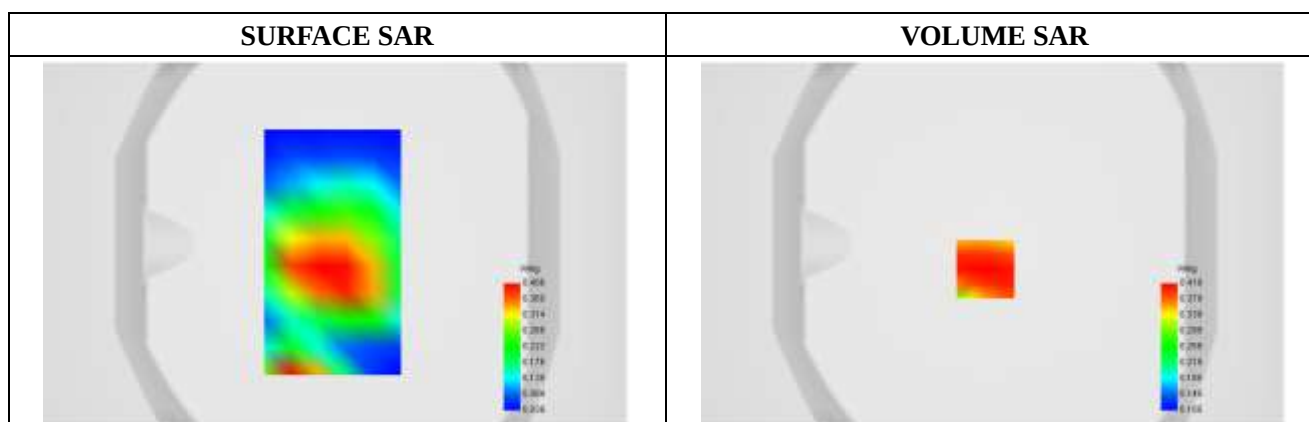
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 1880  |
| Relative permittivity (real part) | 41.12 |
| Conductivity (S/m)                | 1.39  |
| Variation (%)                     | -0.32 |

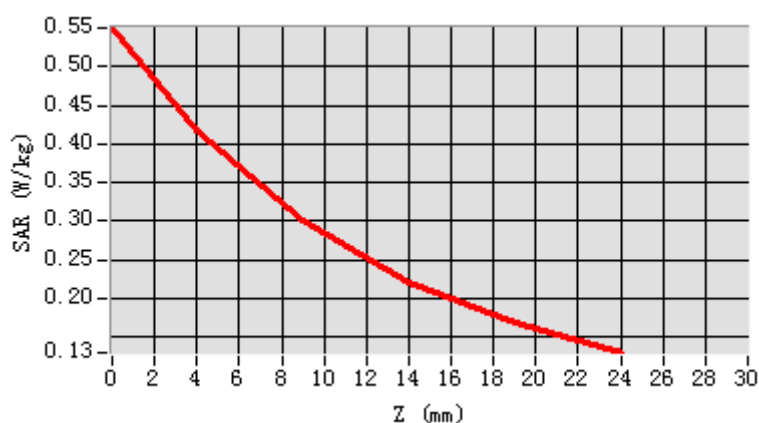
Maximum location: X=-5.00, Y=-14.00

SAR Peak: 0.56 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.283164 |
| SAR 1g (W/Kg)  | 0.458570 |



### Z Axis Scan



## Testing result (WCDMA1900, Left, Back, 10mm)

Type: phone measurement

Date of measurement: 03/04/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | WCDMA1900                   |
| Channels        | Middle                      |
| Signal          | WCDMA(Crest factor: 1.0)    |

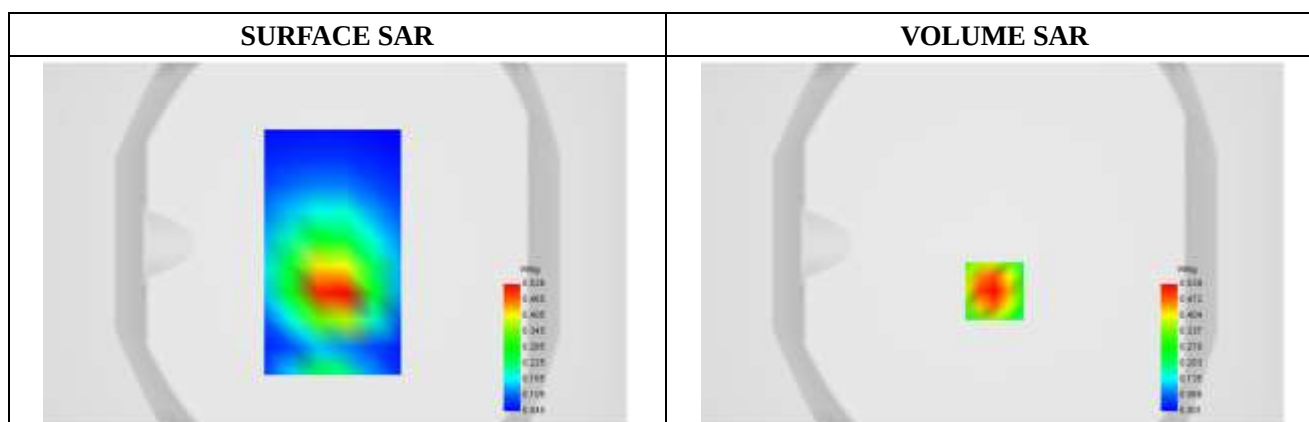
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 1880  |
| Relative permittivity (real part) | 41.12 |
| Conductivity (S/m)                | 1.39  |
| Variation (%)                     | 1.15  |

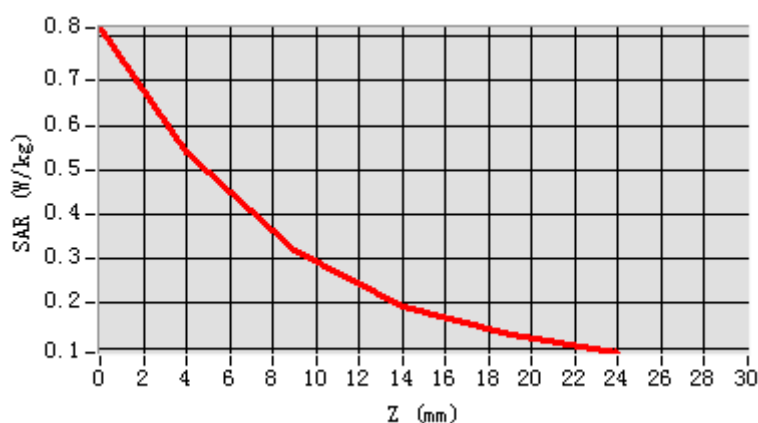
Maximum location: X=0.00, Y=-26.00

SAR Peak: 0.84 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.291320 |
| SAR 1g (W/Kg)  | 0.539089 |



### Z Axis Scan



## Testing result (LTE Band 2, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/04/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | LTE Band 2                  |
| Channels        | Middle                      |
| Signal          | LTE(Crest factor: 1.0)      |

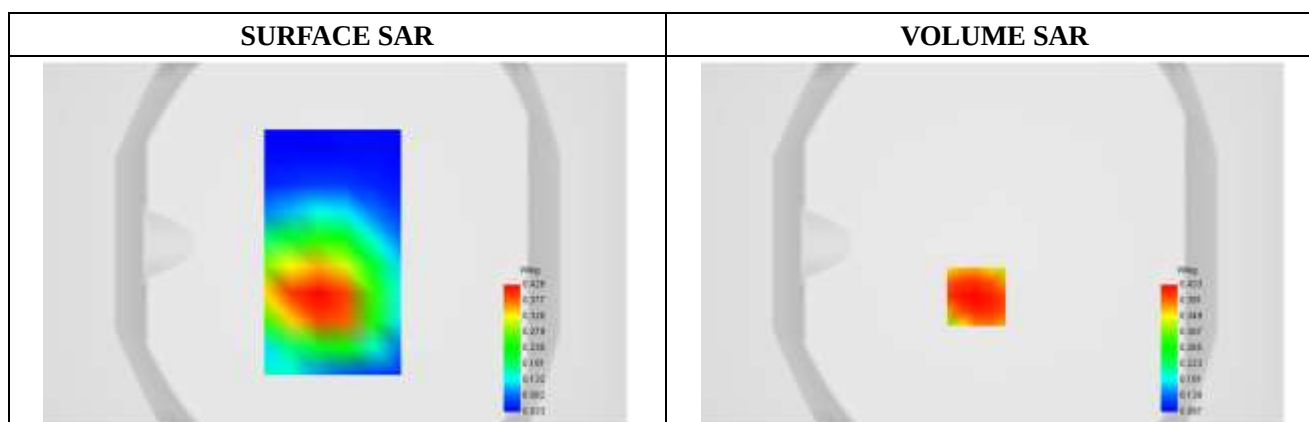
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 1880  |
| Relative permittivity (real part) | 41.12 |
| Conductivity (S/m)                | 1.39  |
| Variation (%)                     | 0.81  |

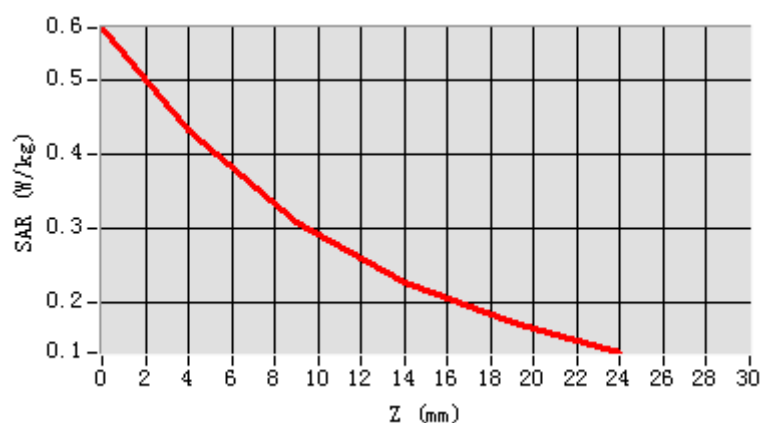
Maximum location: X=-10.00, Y=-29.00

SAR Peak: 0.57 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.229406 |
| SAR 1g (W/Kg)  | 0.402682 |



### Z Axis Scan



## Testing result (LTE Band 2, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/04/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | LTE Band 2                  |
| Channels        | Middle                      |
| Signal          | LTE(Crest factor: 1.0)      |

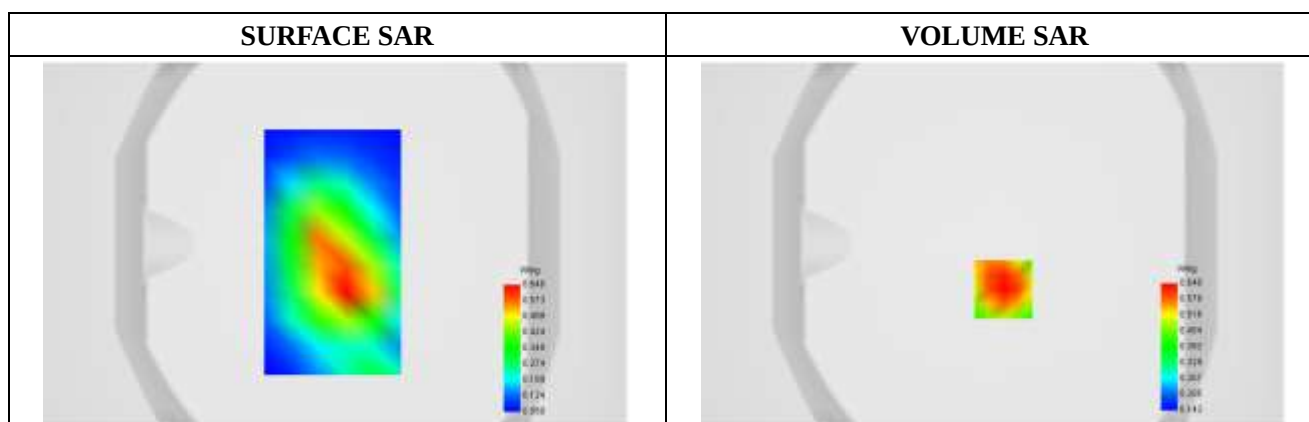
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 1880  |
| Relative permittivity (real part) | 41.12 |
| Conductivity (S/m)                | 1.39  |
| Variation (%)                     | -1.85 |

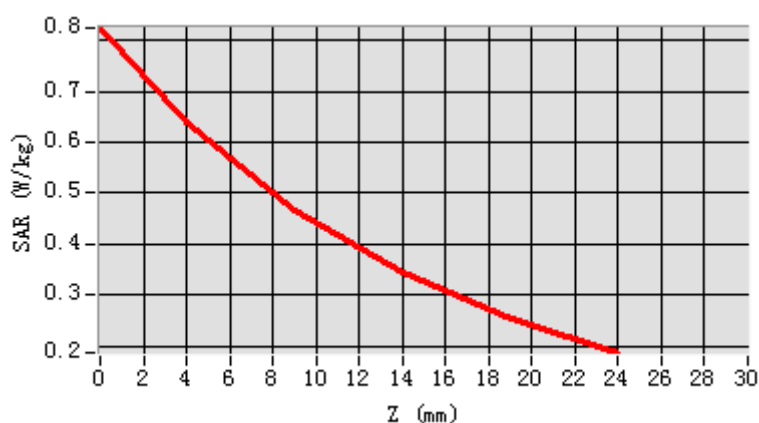
Maximum location: X=5.00, Y=-25.00

SAR Peak: 0.83 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.361948 |
| SAR 1g (W/Kg)  | 0.594122 |



### Z Axis Scan



## Testing result (LTE Band 4, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/08/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPGO383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | LTE Band 4                  |
| Channels        | Middle                      |
| Signal          | LTE(Crest factor: 1.0)      |

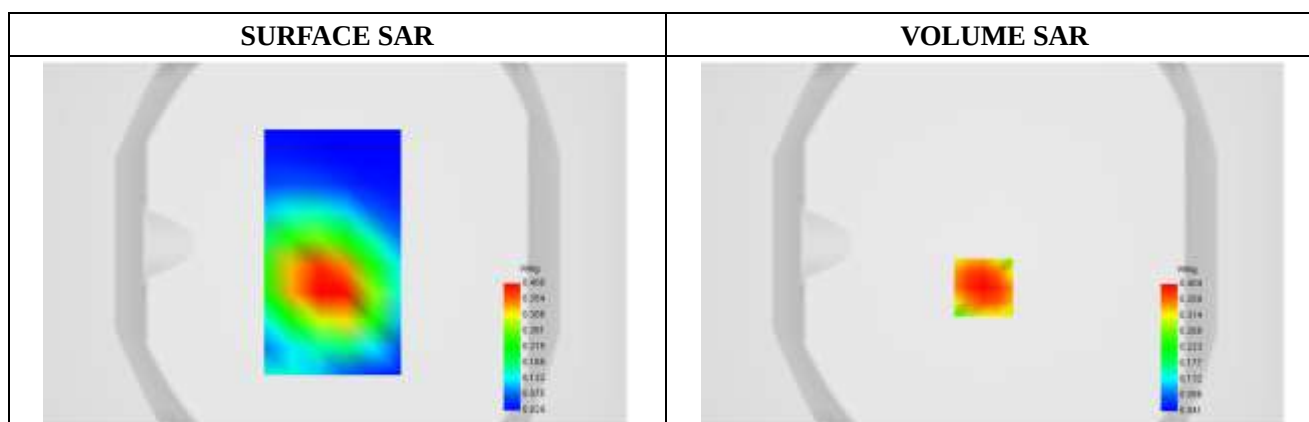
### B. SAR Measurement Results

|                                   |        |
|-----------------------------------|--------|
| Frequency (MHz)                   | 1732.5 |
| Relative permittivity (real part) | 40.47  |
| Conductivity (S/m)                | 1.34   |
| Variation (%)                     | -0.36  |

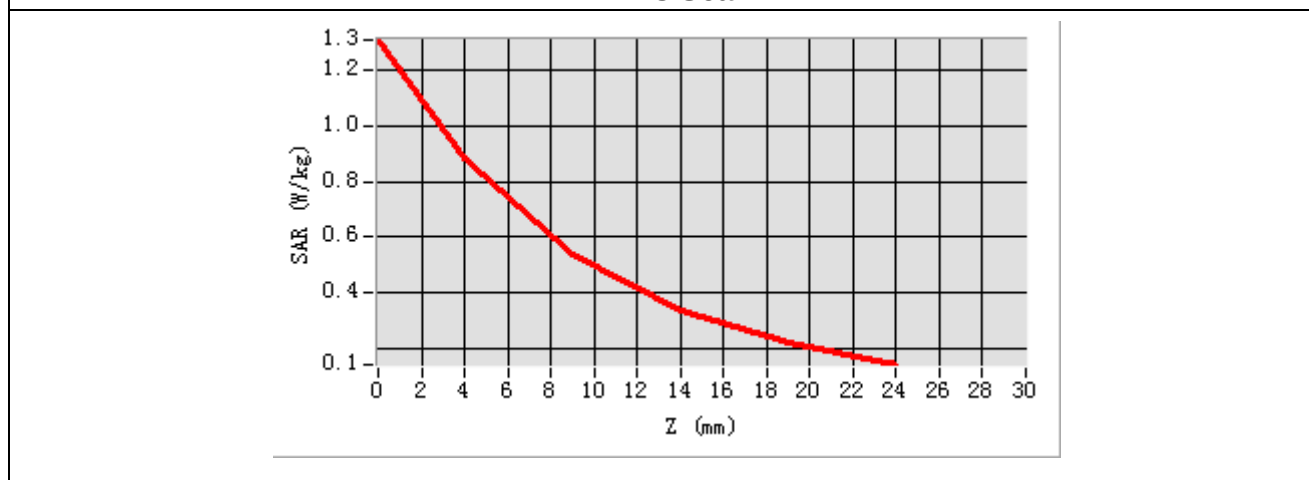
Maximum location: X=-6.00, Y=-24.00

SAR Peak: 0.59 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.224203 |
| SAR 1g (W/Kg)  | 0.382186 |



### Z Axis Scan



## Testing result (LTE Band 4, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/08/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | LTE Band 4                  |
| Channels        | Middle                      |
| Signal          | LTE(Crest factor: 1.0)      |

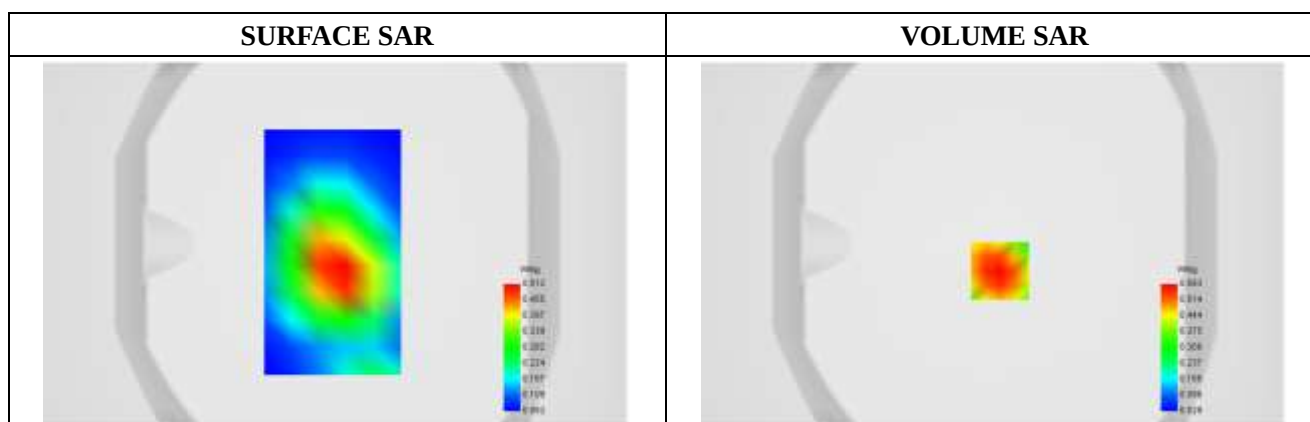
### B. SAR Measurement Results

|                                   |        |
|-----------------------------------|--------|
| Frequency (MHz)                   | 1732.5 |
| Relative permittivity (real part) | 40.47  |
| Conductivity (S/m)                | 1.34   |
| Variation (%)                     | -1.97  |

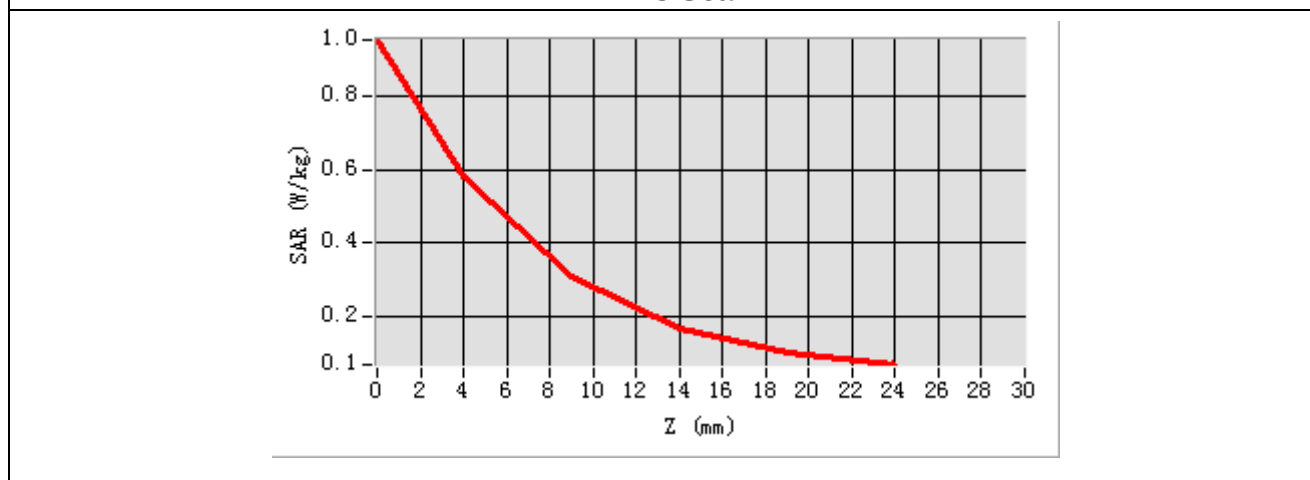
Maximum location: X=3.00, Y=-15.00

SAR Peak: 0.96 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.274934 |
| SAR 1g (W/Kg)  | 0.530432 |



### Z Axis Scan



## Testing result (LTE Band 5, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/14/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPGO383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | LTE Band 5                  |
| Channels        | Middle                      |
| Signal          | LTE(Crest factor: 1.0)      |

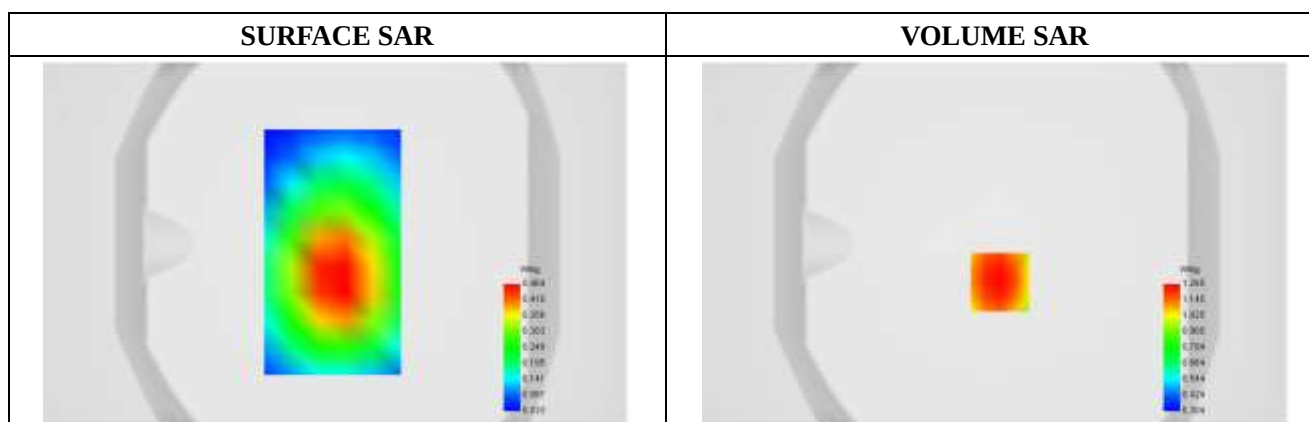
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 836.5 |
| Relative permittivity (real part) | 41.27 |
| Conductivity (S/m)                | 0.91  |
| Variation (%)                     | -1.39 |

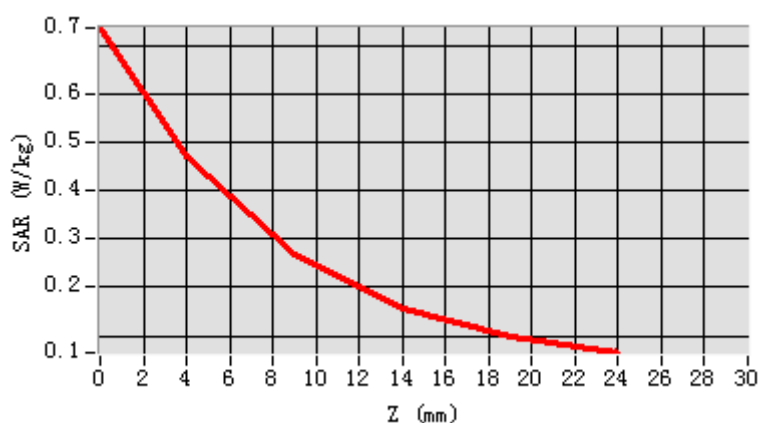
Maximum location: X=2.00, Y=-21.00

SAR Peak: 0.74 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.252400 |
| SAR 1g (W/Kg)  | 0.488116 |



### Z Axis Scan



## Testing result (LTE Band 5, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/14/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPGO383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | LTE Band 5                  |
| Channels        | Middle                      |
| Signal          | LTE(Crest factor: 1.0)      |

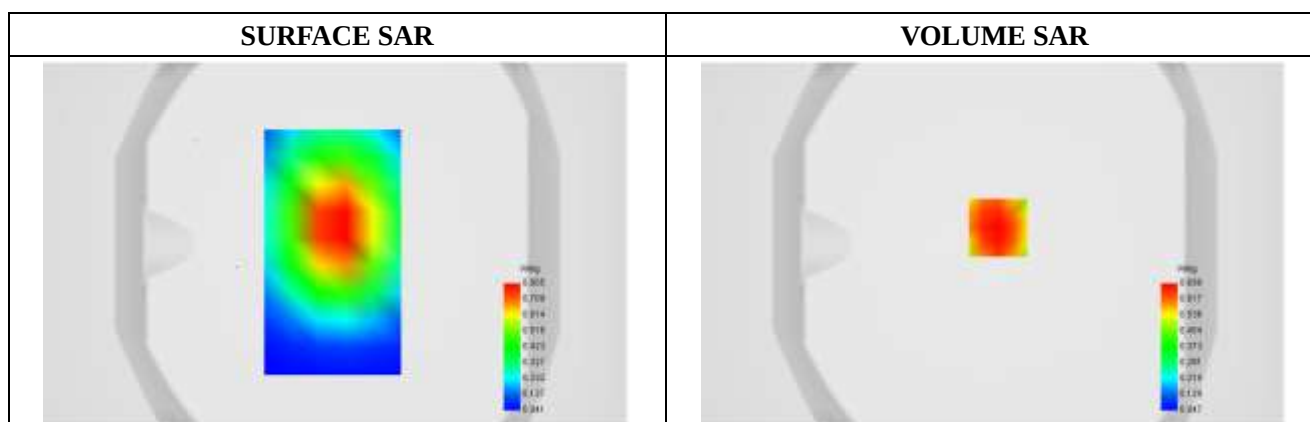
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 836.5 |
| Relative permittivity (real part) | 41.27 |
| Conductivity (S/m)                | 0.91  |
| Variation (%)                     | 2.72  |

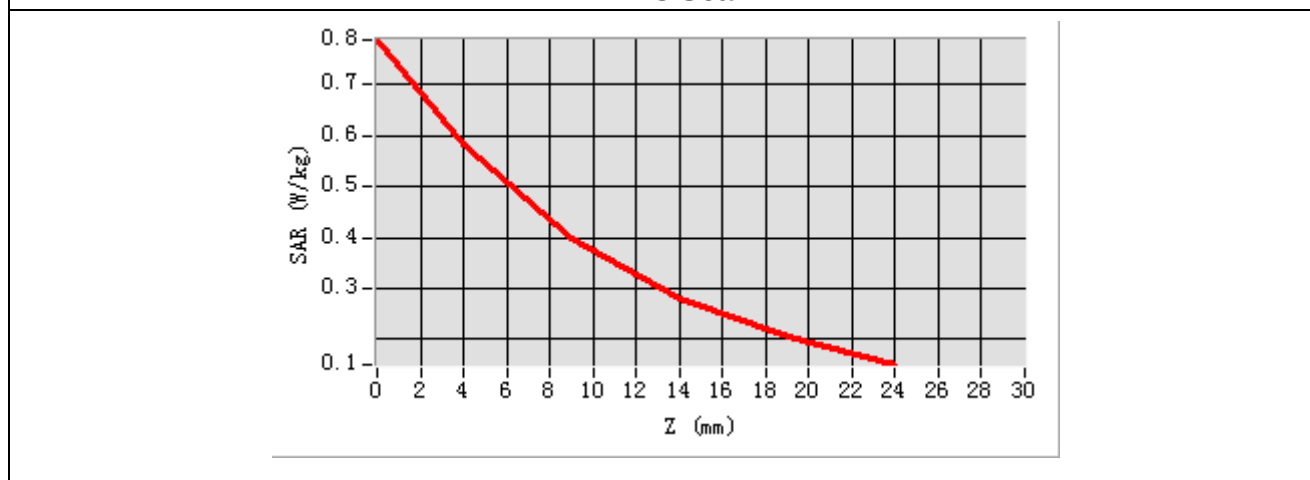
Maximum location: X=2.00, Y=9.00

SAR Peak: 0.79 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.385508 |
| SAR 1g (W/Kg)  | 0.695384 |



### Z Axis Scan



## Testing result (LTE Band 7, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/15/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=12mm dy=12mm             |
| Zoom Scan       | 7x7x7, dx=5mm dy=5mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | LTE Band 7                  |
| Channels        | ,Middle                     |
| Signal          | LTE(Crest factor: 1.0)      |

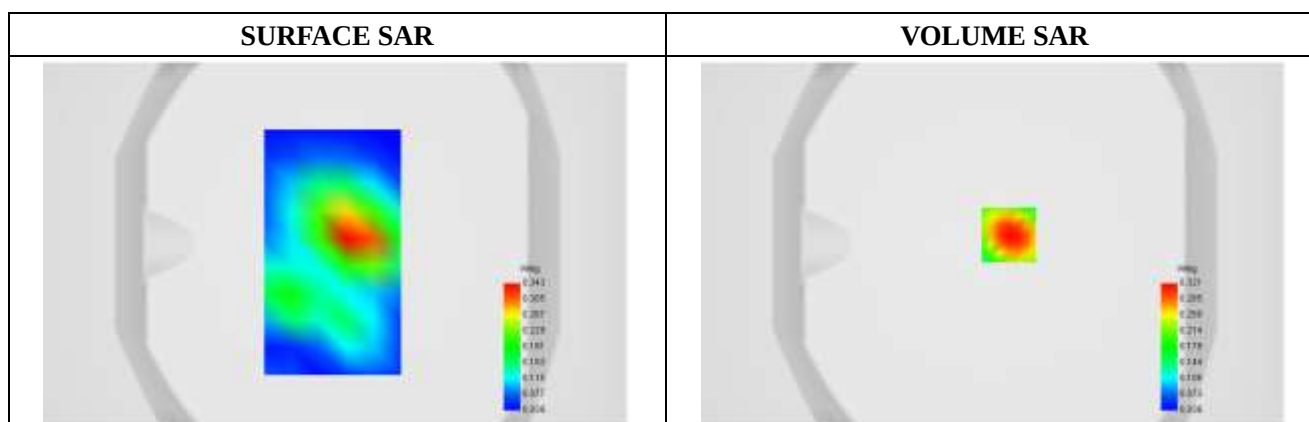
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 2535  |
| Relative permittivity (real part) | 38.94 |
| Conductivity (S/m)                | 1.91  |
| Variation (%)                     | -1.16 |

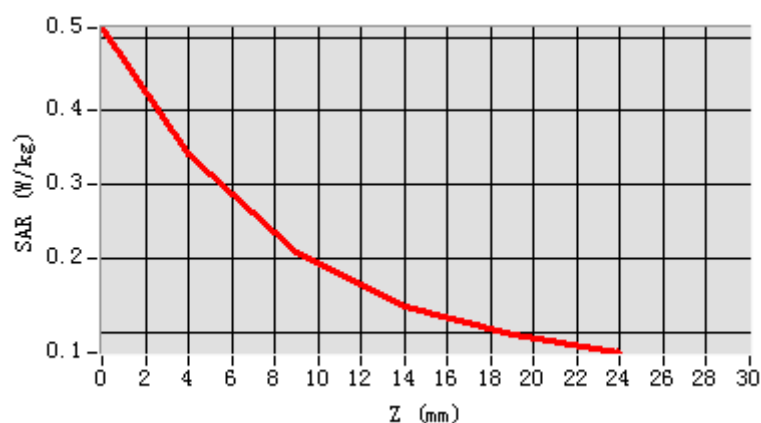
Maximum location: X=8.00, Y=5.00

SAR Peak: 0.51 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.147700 |
| SAR 1g (W/Kg)  | 0.298275 |



### Z Axis Scan



## Testing result (LTE Band 7, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/15/2023

### A. Experimental conditions.

|                 |                            |
|-----------------|----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383    |
| Area Scan       | dx=12mm dy=12mm            |
| Zoom Scan       | 7x7x7,dx=5mm dy=5mm dz=5mm |
| Phantom         | Validation plane           |
| Device Position | Body                       |
| Band            | LTE Band 7                 |
| Channels        | Middle                     |
| Signal          | LTE(Crest factor: 1.0)     |

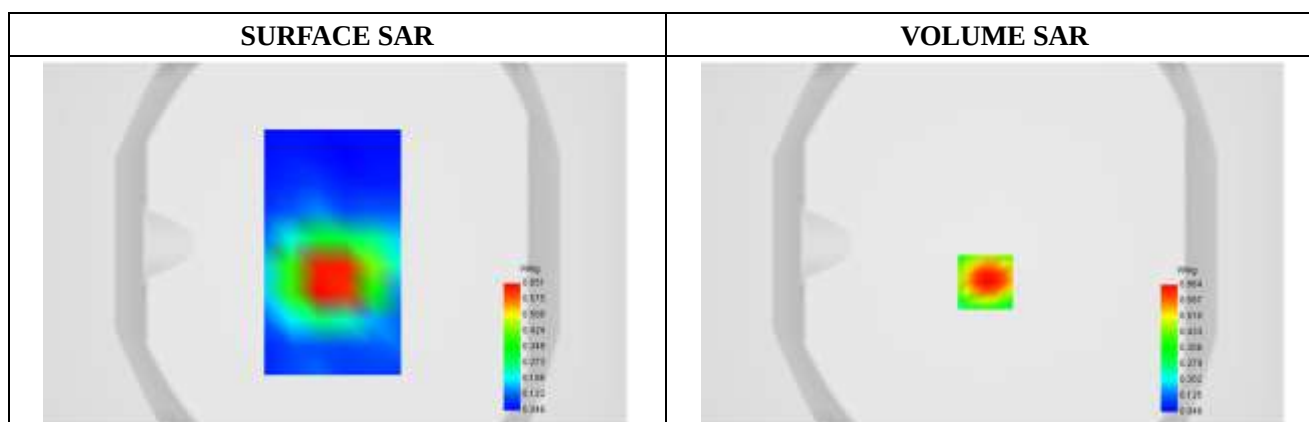
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 2535  |
| Relative permittivity (real part) | 38.94 |
| Conductivity (S/m)                | 1.91  |
| Variation (%)                     | 0.67  |

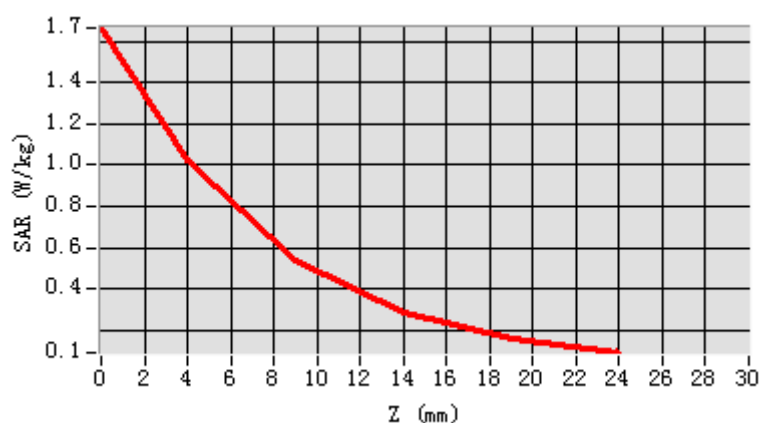
Maximum location: X=-5.00, Y=-21.00

SAR Peak: 1.67 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.338474 |
| SAR 1g (W/Kg)  | 0.606107 |



### Z Axis Scan



## Testing result (LTE Band 12, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/05/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | LTE Band 12                 |
| Channels        | Middle                      |
| Signal          | LTE(Crest factor: 1.0)      |

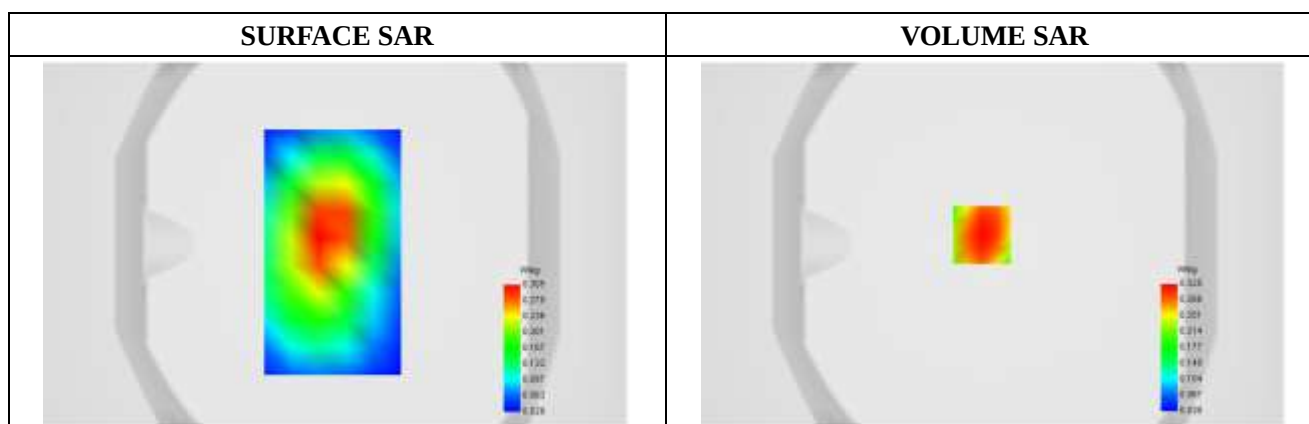
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 707.5 |
| Relative permittivity (real part) | 41.89 |
| Conductivity (S/m)                | 0.86  |
| Variation (%)                     | 1.26  |

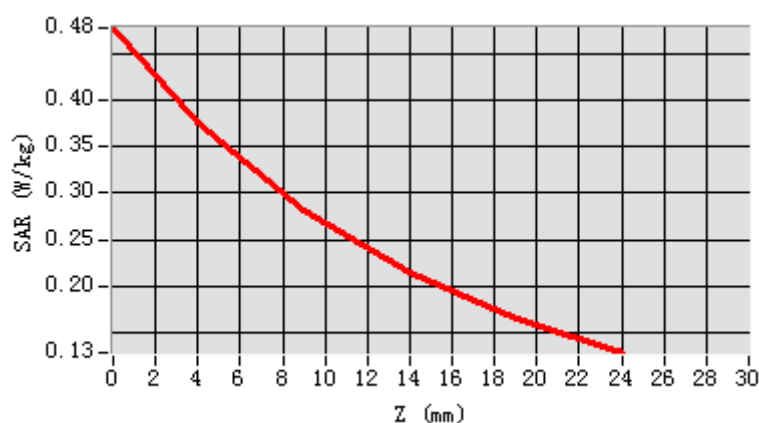
Maximum location: X=-7.00, Y=5.00

SAR Peak: 0.48 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.166615 |
| SAR 1g (W/Kg)  | 0.297444 |



### Z Axis Scan



## Testing result (LTE Band 12, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/05/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | LTE Band 12                 |
| Channels        | Middle                      |
| Signal          | LTE(Crest factor: 1.0)      |

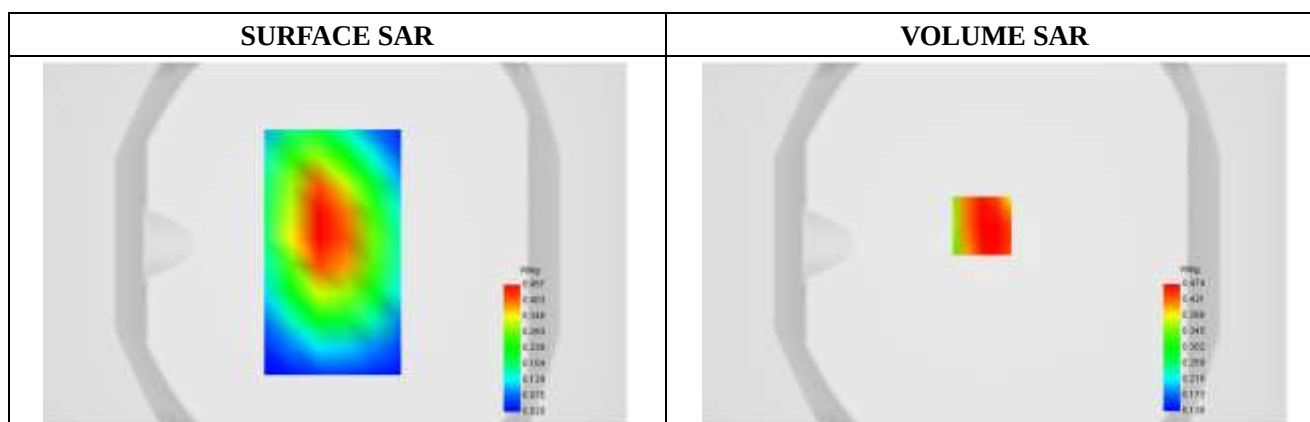
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 707.5 |
| Relative permittivity (real part) | 41.89 |
| Conductivity (S/m)                | 0.86  |
| Variation (%)                     | -0.57 |

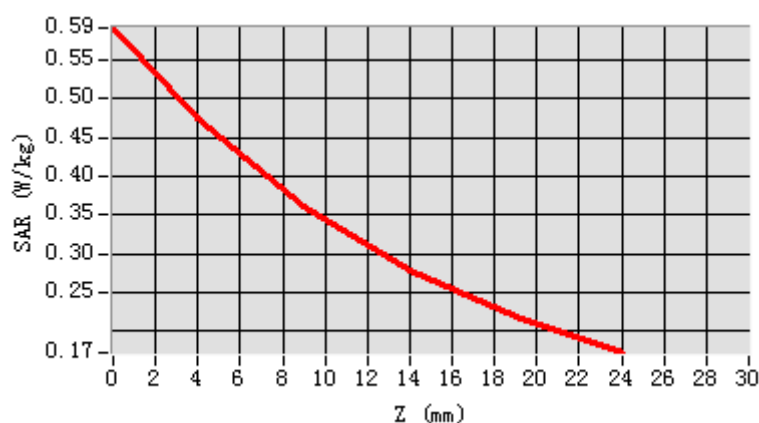
Maximum location: X=-8.00, Y=10.00

SAR Peak: 0.59 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.239846 |
| SAR 1g (W/Kg)  | 0.385709 |



### Z Axis Scan



## Testing result (LTE Band 13, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/05/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | LTE Band 13                 |
| Channels        | Middle                      |
| Signal          | LTE(Crest factor: 1.0)      |

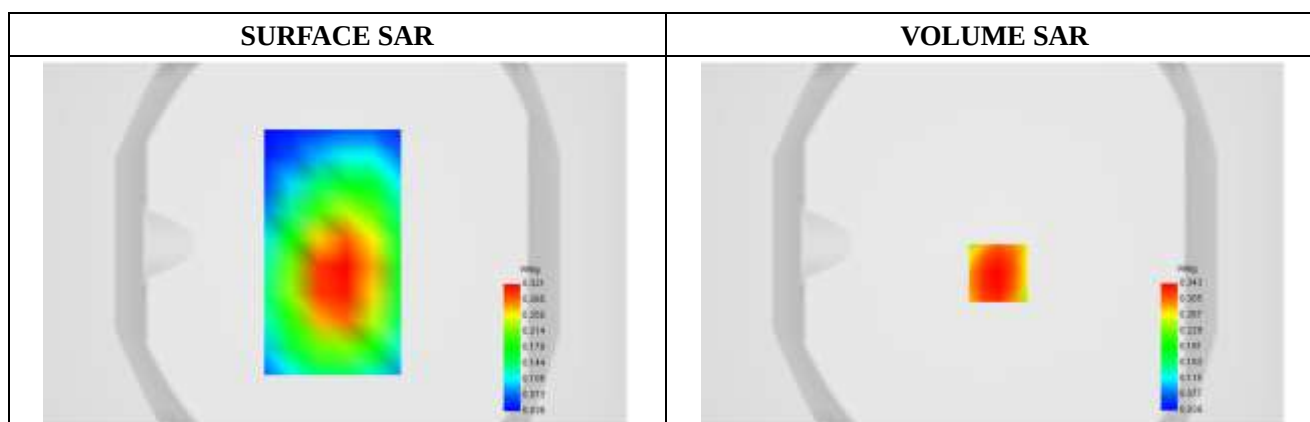
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 782.0 |
| Relative permittivity (real part) | 41.66 |
| Conductivity (S/m)                | 0.90  |
| Variation (%)                     | 2.05  |

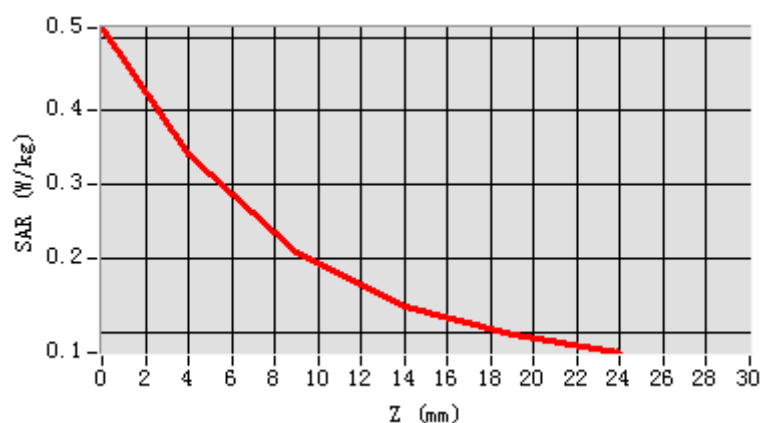
Maximum location: X=2.00, Y=-16.00

SAR Peak: 0.53 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.192671 |
| SAR 1g (W/Kg)  | 0.368547 |



### Z Axis Scan



## Testing result (LTE Band 13, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/05/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | LTE Band 13                 |
| Channels        | Middle                      |
| Signal          | LTE(Crest factor: 1.0)      |

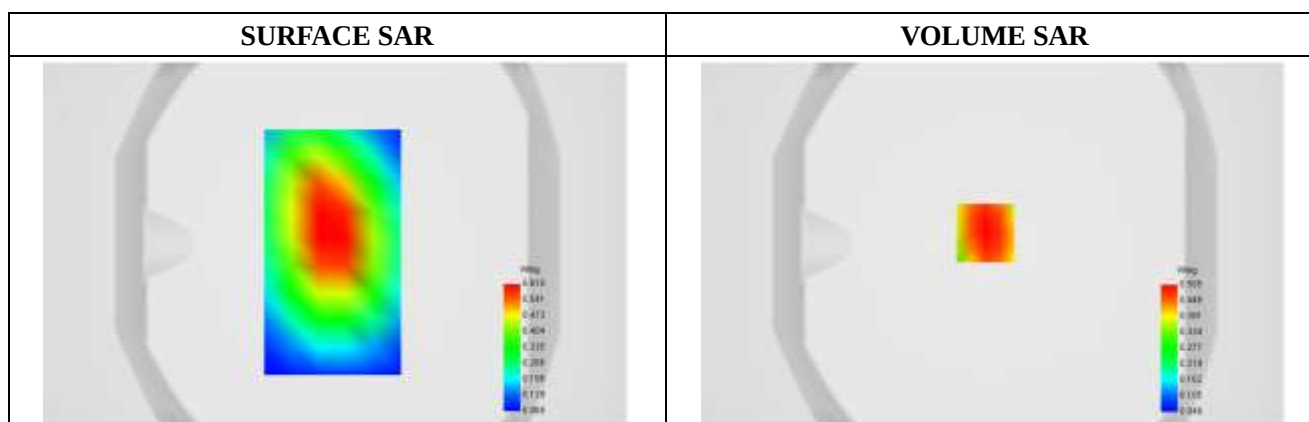
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 782.0 |
| Relative permittivity (real part) | 41.66 |
| Conductivity (S/m)                | 0.90  |
| Variation (%)                     | -1.10 |

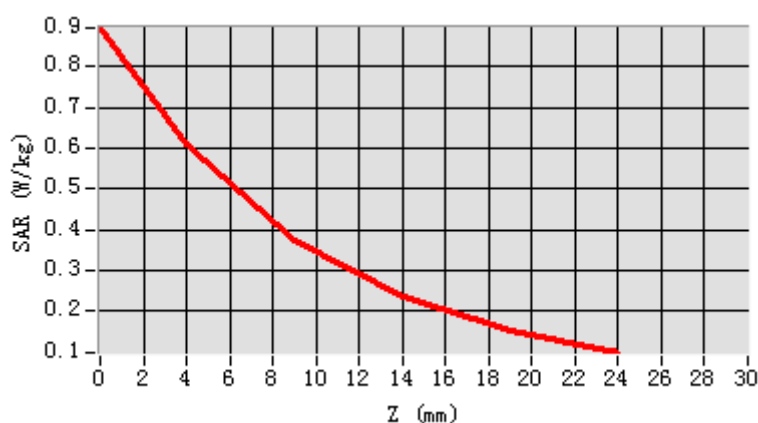
Maximum location: X=1.00, Y=6.00

SAR Peak: 0.90 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.286217 |
| SAR 1g (W/Kg)  | 0.522740 |



### Z Axis Scan



## Testing result (LTE Band 25, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/04/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | LTE Band 25                 |
| Channels        | Middle                      |
| Signal          | LTE(Crest factor: 1.0)      |

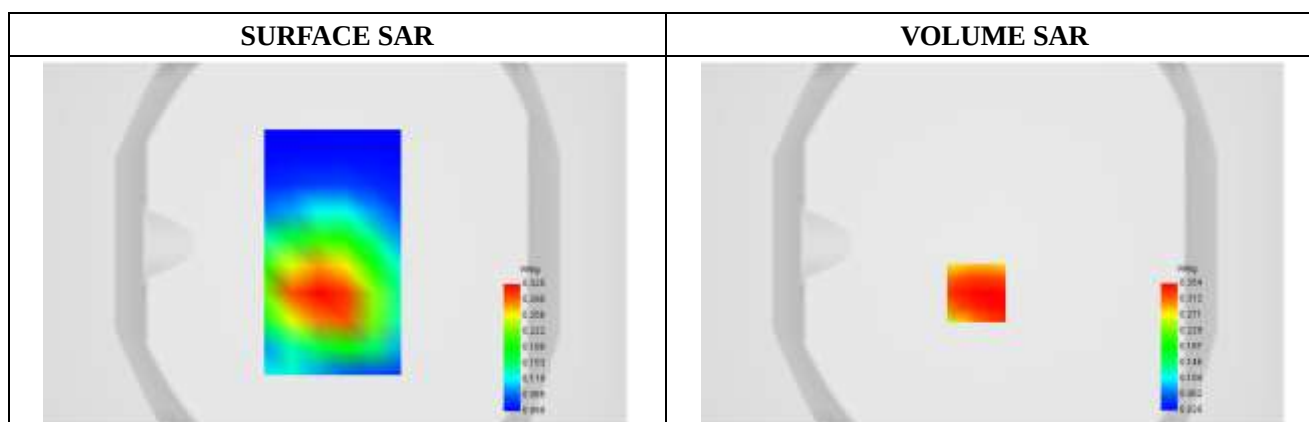
### B. SAR Measurement Results

|                                   |        |
|-----------------------------------|--------|
| Frequency (MHz)                   | 1882.5 |
| Relative permittivity (real part) | 41.12  |
| Conductivity (S/m)                | 1.39   |
| Variation (%)                     | -0.43  |

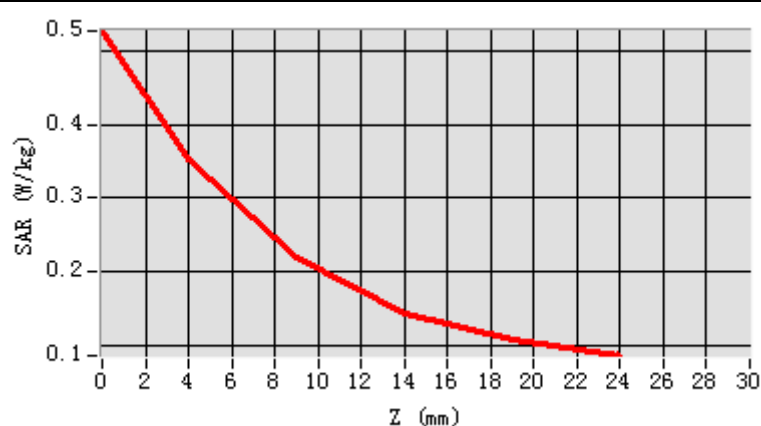
Maximum location: X=-10.00, Y=-27.00

SAR Peak: 0.54 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.205665 |
| SAR 1g (W/Kg)  | 0.371805 |



### Z Axis Scan



## Testing result (LTE Band 25, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/04/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | LTE Band 25                 |
| Channels        | Middle                      |
| Signal          | LTE(Crest factor: 1.0)      |

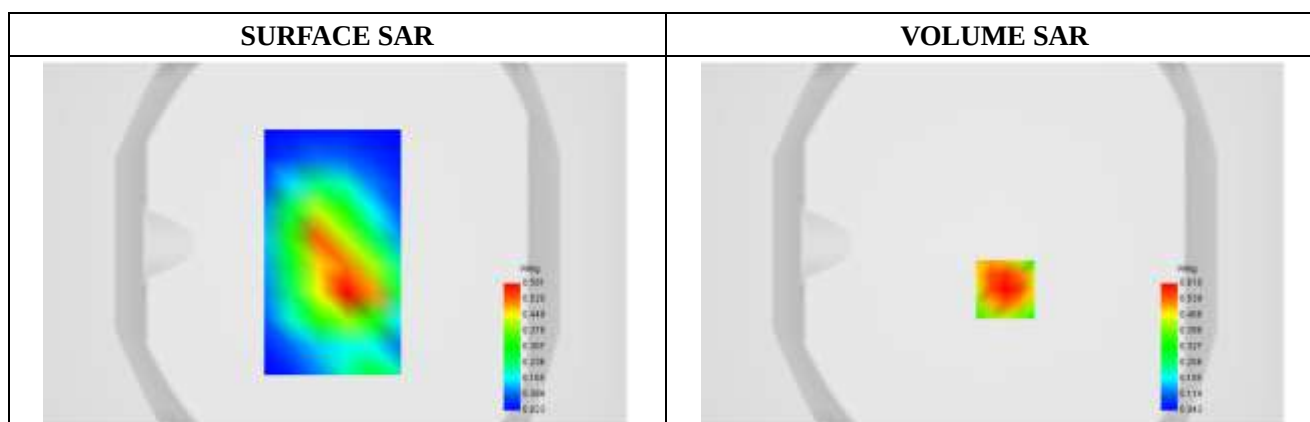
### B. SAR Measurement Results

|                                   |        |
|-----------------------------------|--------|
| Frequency (MHz)                   | 1882.5 |
| Relative permittivity (real part) | 41.12  |
| Conductivity (S/m)                | 1.39   |
| Variation (%)                     | 2.01   |

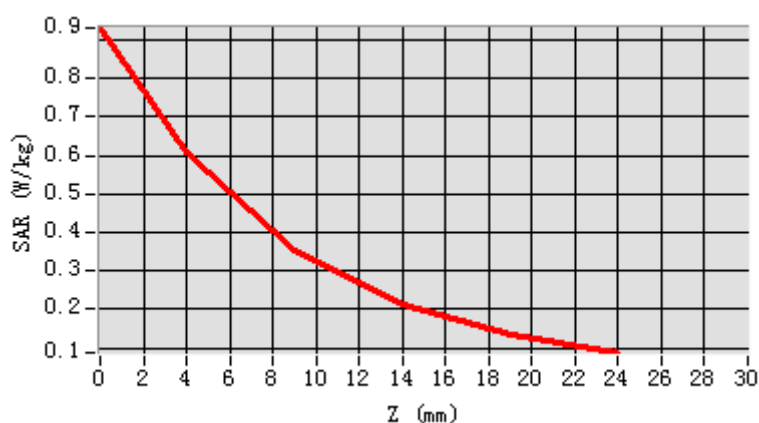
Maximum location: X=6.00, Y=-25.00

SAR Peak: 0.93W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.311826 |
| SAR 1g (W/Kg)  | 0.581236 |



### Z Axis Scan



## Testing result (LTE Band 26 Part22, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/14/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | LTE Band 26                 |
| Channels        | Middle                      |
| Signal          | LTE(Crest factor: 1.0)      |

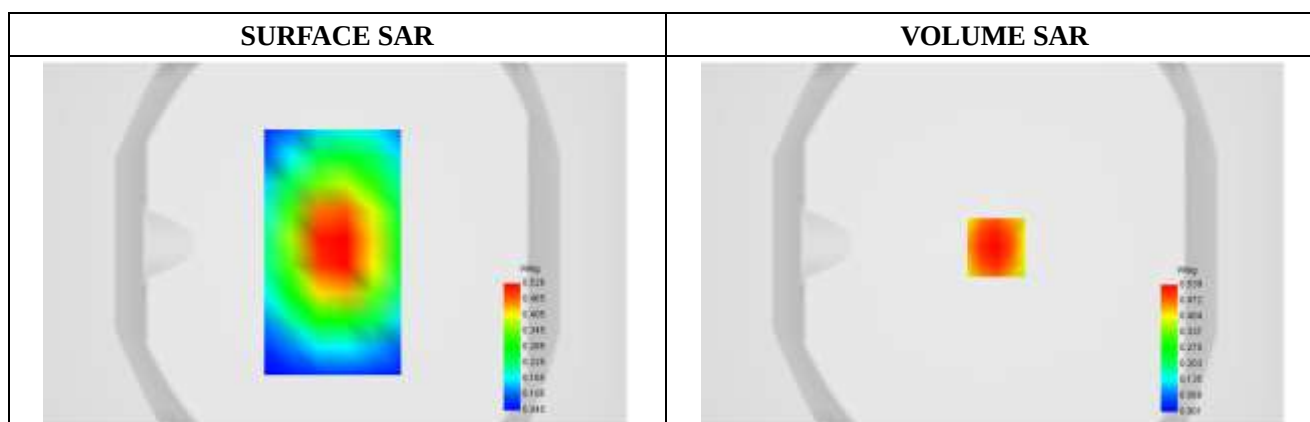
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 831.5 |
| Relative permittivity (real part) | 41.29 |
| Conductivity (S/m)                | 0.91  |
| Variation (%)                     | -3.00 |

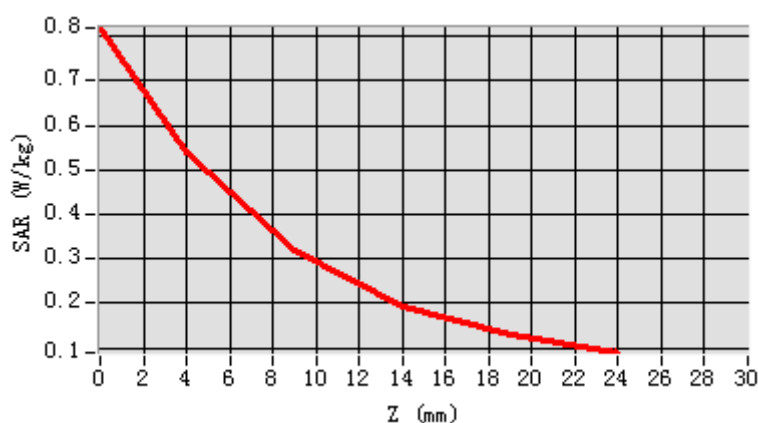
Maximum location: X=1.00, Y=-2.00

SAR Peak: 0.83 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.283189 |
| SAR 1g (W/Kg)  | 0.500413 |



### Z Axis Scan



## Testing result (LTE Band 26 Part22, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/14/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | LTE Band 26                 |
| Channels        | Middle                      |
| Signal          | LTE(Crest factor: 1.0)      |

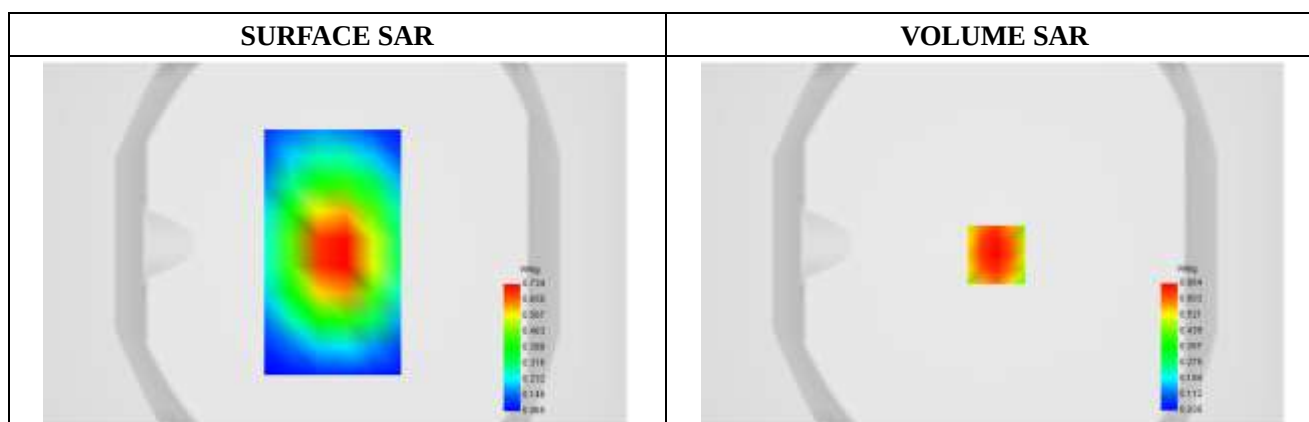
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 831.5 |
| Relative permittivity (real part) | 41.29 |
| Conductivity (S/m)                | 0.91  |
| Variation (%)                     | 2.44  |

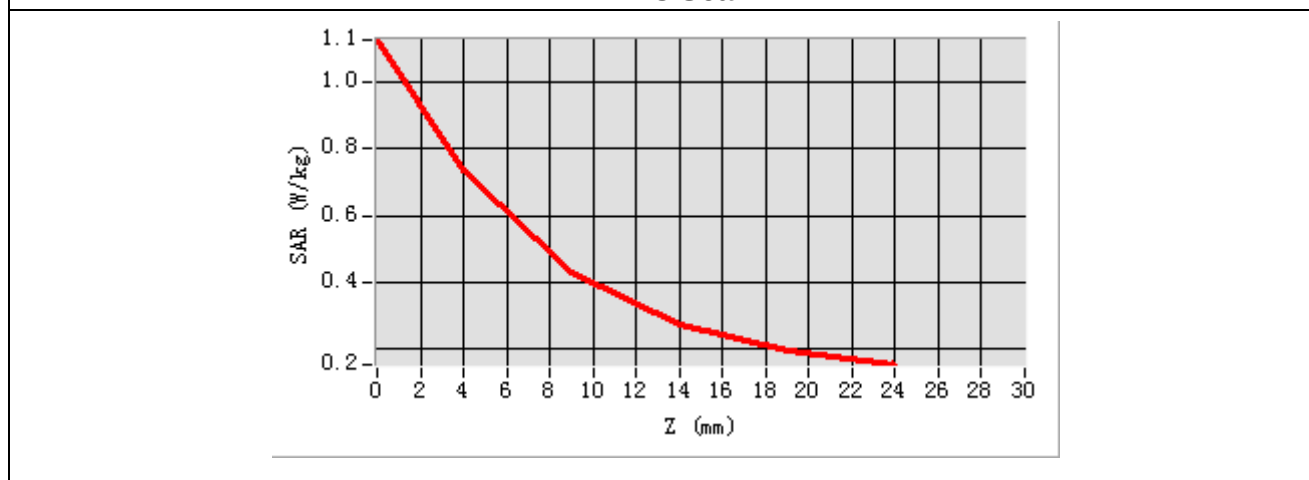
Maximum location: X=1.00, Y=-6.00

SAR Peak: 1.11 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.388753 |
| SAR 1g (W/Kg)  | 0.677185 |



### Z Axis Scan



## Testing result (LTE Band 26 Part90, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/14/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | LTE Band 26                 |
| Channels        | Middle                      |
| Signal          | LTE(Crest factor: 1.0)      |

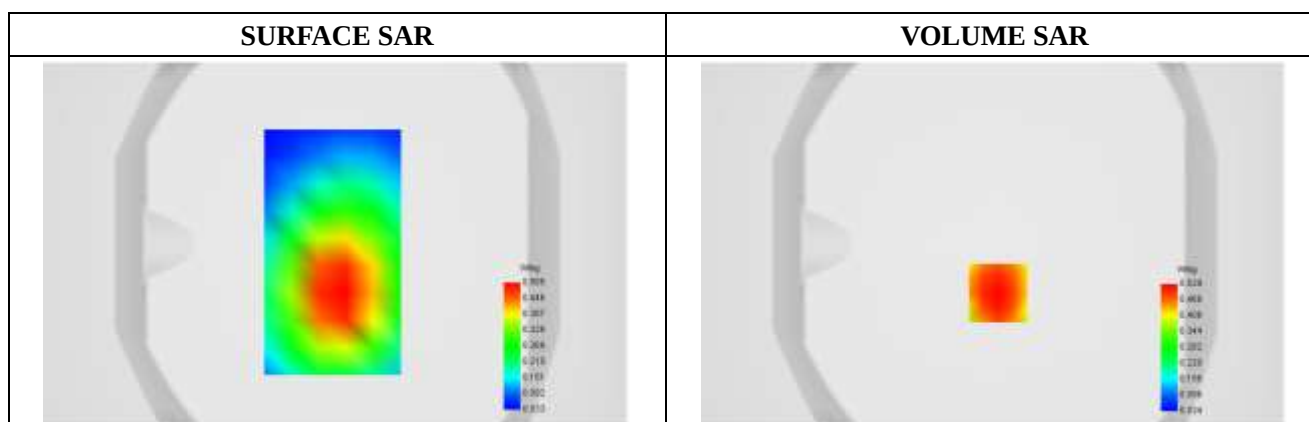
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 819.0 |
| Relative permittivity (real part) | 41.33 |
| Conductivity (S/m)                | 0.90  |
| Variation (%)                     | -1.61 |

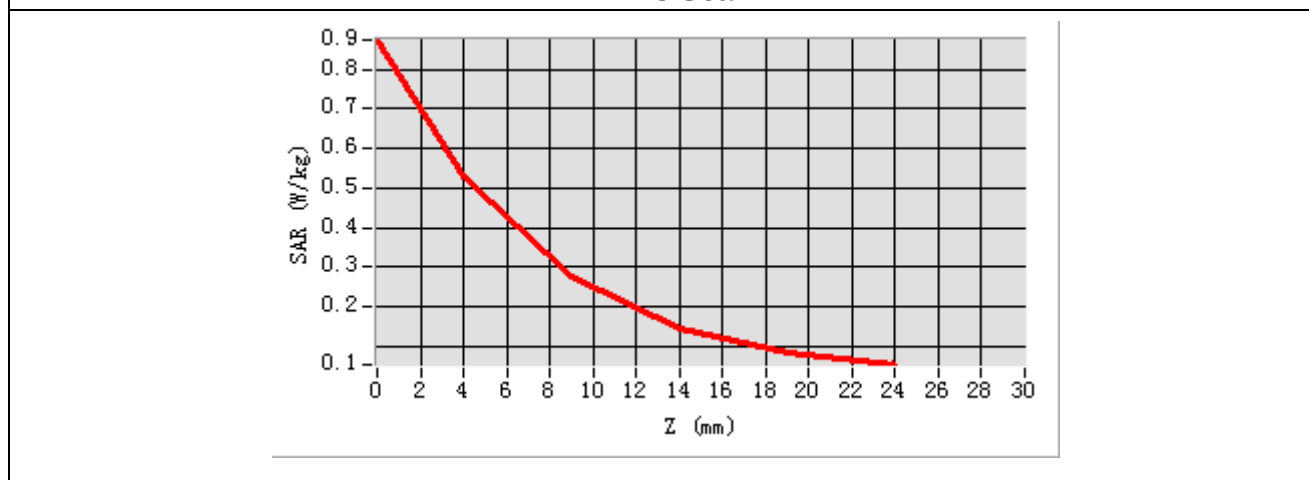
Maximum location: X=2.00, Y=-27.00

SAR Peak: 0.87 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.273927 |
| SAR 1g (W/Kg)  | 0.508393 |



### Z Axis Scan



## Testing result (LTE Band 26 Part90, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/14/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=15mm dy=15mm             |
| Zoom Scan       | 5x5x7, dx=8mm dy=8mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | LTE Band 26                 |
| Channels        | Middle                      |
| Signal          | LTE(Crest factor: 1.0)      |

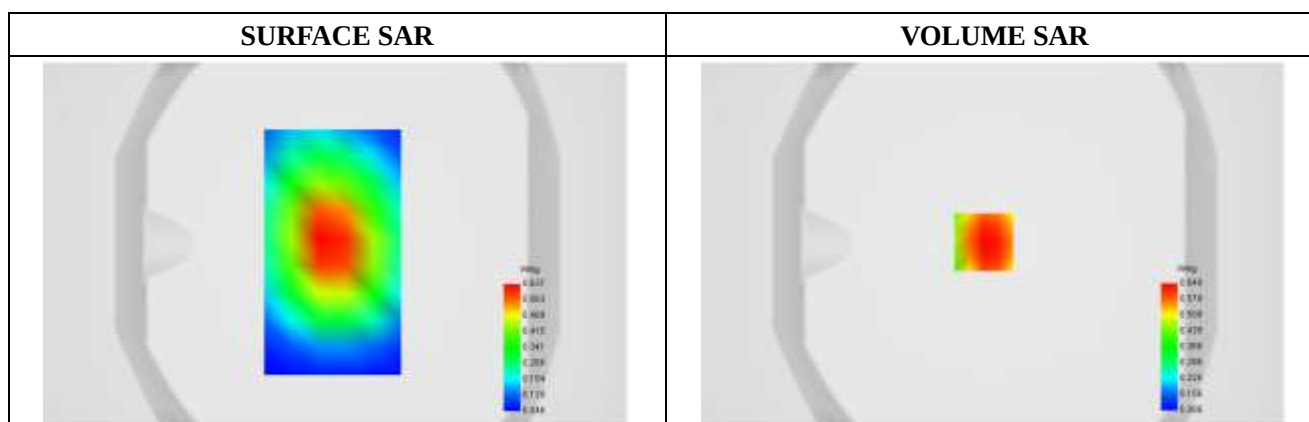
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 819.0 |
| Relative permittivity (real part) | 41.33 |
| Conductivity (S/m)                | 0.90  |
| Variation (%)                     | 0.57  |

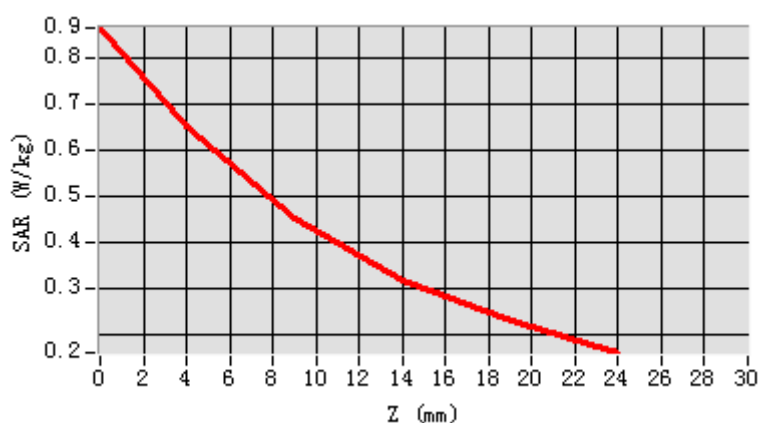
Maximum location: X=-6.00, Y=1.00

SAR Peak: 0.91 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.351039 |
| SAR 1g (W/Kg)  | 0.679870 |



### Z Axis Scan



## Testing result (WI-FI 2.4G 802.11b, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/07/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383     |
| Area Scan       | dx=12mm dy=12mm             |
| Zoom Scan       | 7x7x7, dx=5mm dy=5mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | WI-FI 802.11b               |
| Channels        | Middle                      |
| Signal          | DSSS(Crest factor: 1.0)     |

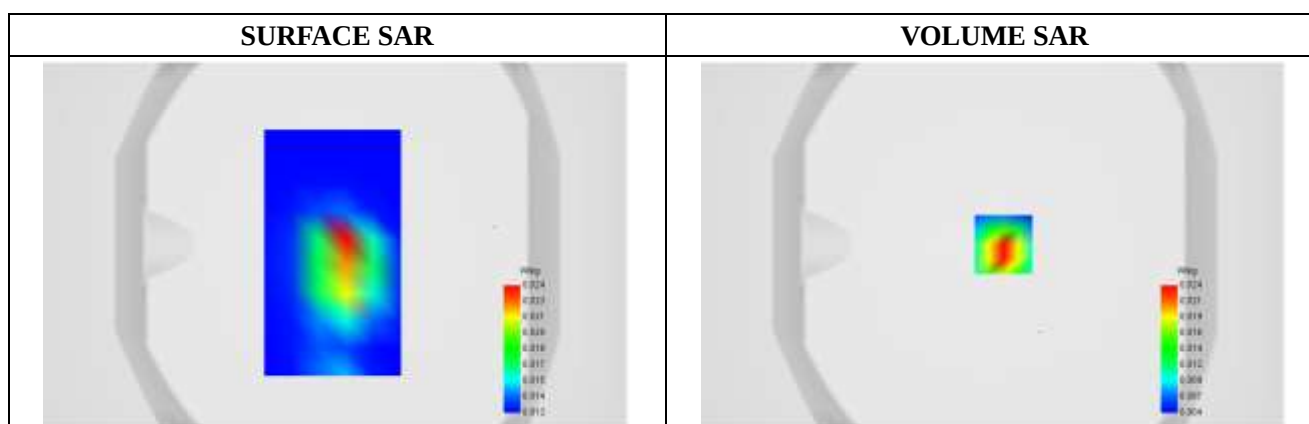
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 2437  |
| Relative permittivity (real part) | 39.94 |
| Conductivity (S/m)                | 1.79  |
| Variation (%)                     | 0.27  |

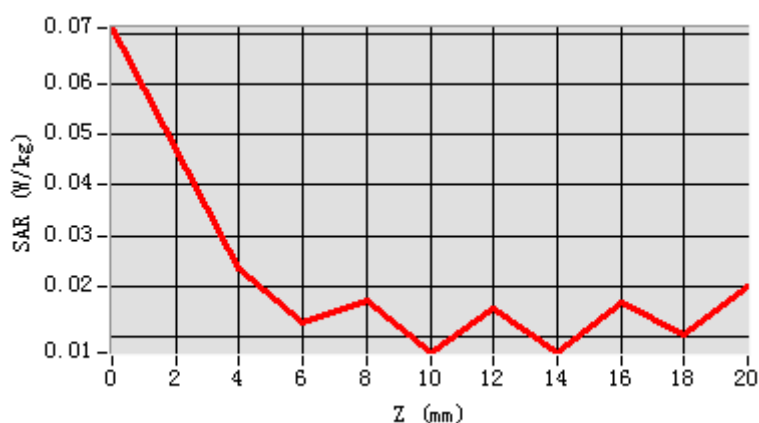
Maximum location: X=5.00, Y=0.00

SAR Peak: 0.07 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.015271 |
| SAR 1g (W/Kg)  | 0.028089 |



### Z Axis Scan



## Testing result (WI-FI 2.4G 802.11b, Right, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/07/2023

### A. Experimental conditions.

|                 |                            |
|-----------------|----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPG0383    |
| Area Scan       | dx=12mm dy=12mm            |
| Zoom Scan       | 7x7x7,dx=5mm dy=5mm dz=5mm |
| Phantom         | Validation plane           |
| Device Position | Body                       |
| Band            | WI-FI 802.11b              |
| Channels        | Middle                     |
| Signal          | DSSS(Crest factor: 1.0)    |

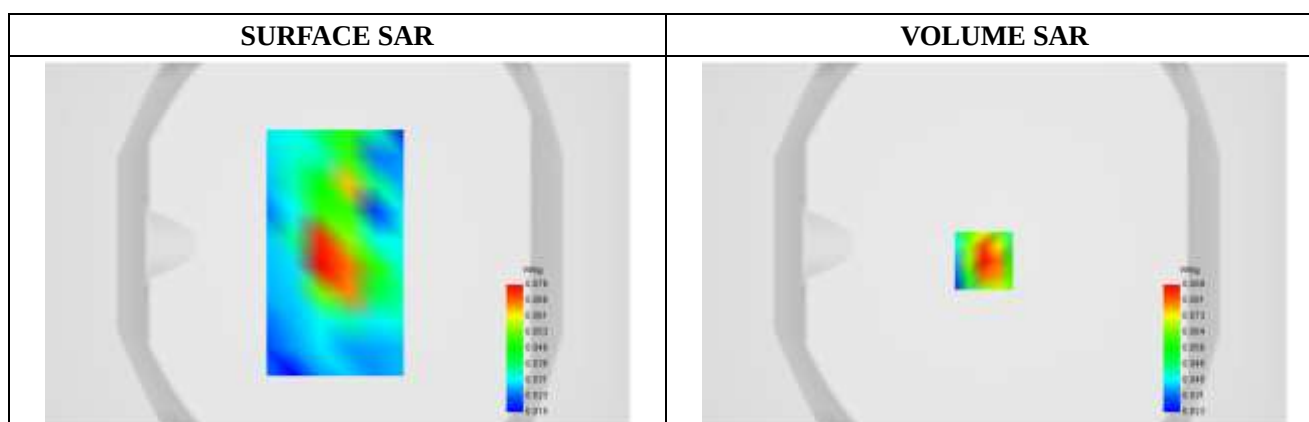
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 2437  |
| Relative permittivity (real part) | 39.94 |
| Conductivity (S/m)                | 1.79  |
| Variation (%)                     | 0.74  |

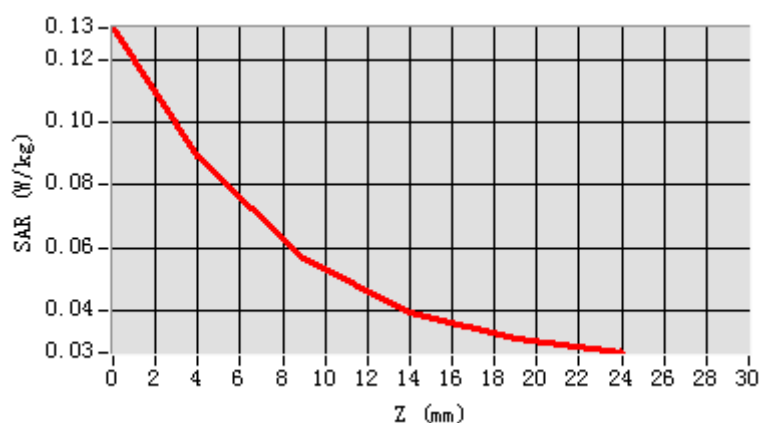
Maximum location: X=-7.00, Y=-9.00

SAR Peak: 0.13 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.045243 |
| SAR 1g (W/Kg)  | 0.074797 |



### Z Axis Scan



## Testing result (WI-FI U-NII 1 802.11n20, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/17/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO 0523-EPGO-403        |
| Area Scan       | dx=10mm dy=10mm             |
| Zoom Scan       | 7x7x12,dx=4mm dy=4mm dz=2mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | WI-FI 802.11n20             |
| Channels        | Middle                      |
| Signal          | OFDM(Crest factor: 1.0)     |

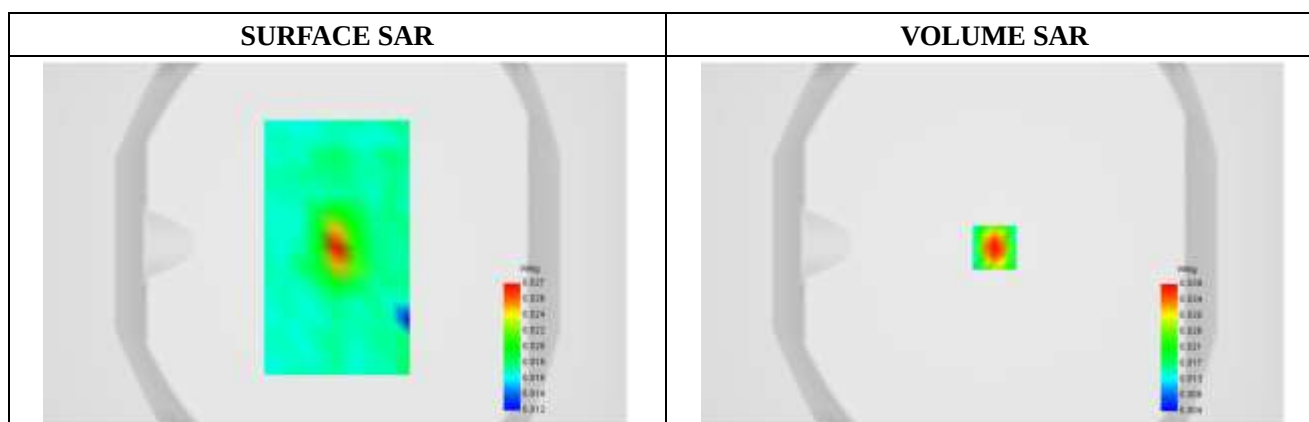
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 5220  |
| Relative permittivity (real part) | 35.96 |
| Conductivity (S/m)                | 4.70  |
| Variation (%)                     | -0.61 |

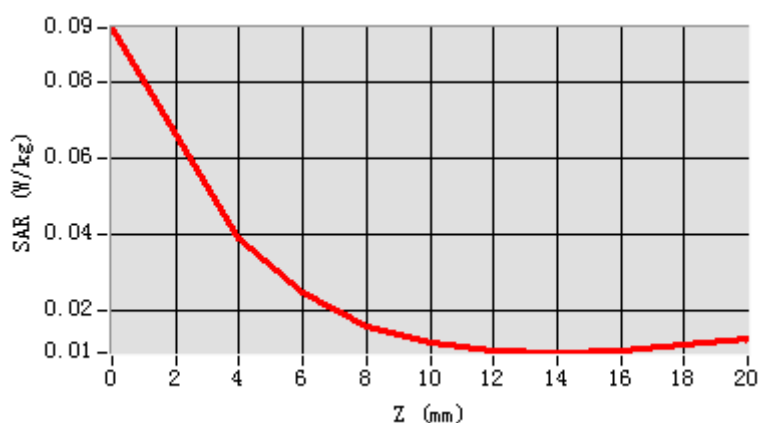
Maximum location: X=0.00, Y=-2.00

SAR Peak: 0.09 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.019595 |
| SAR 1g (W/Kg)  | 0.035393 |



### Z Axis Scan



## Testing result (WI-FI U-NII 2a 802.11n20, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/17/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO 0523-EPGO-403        |
| Area Scan       | dx=10mm dy=10mm             |
| Zoom Scan       | 7x7x12,dx=4mm dy=4mm dz=2mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | WI-FI 802.11n20             |
| Channels        | Middle                      |
| Signal          | OFDM(Crest factor: 1.0)     |

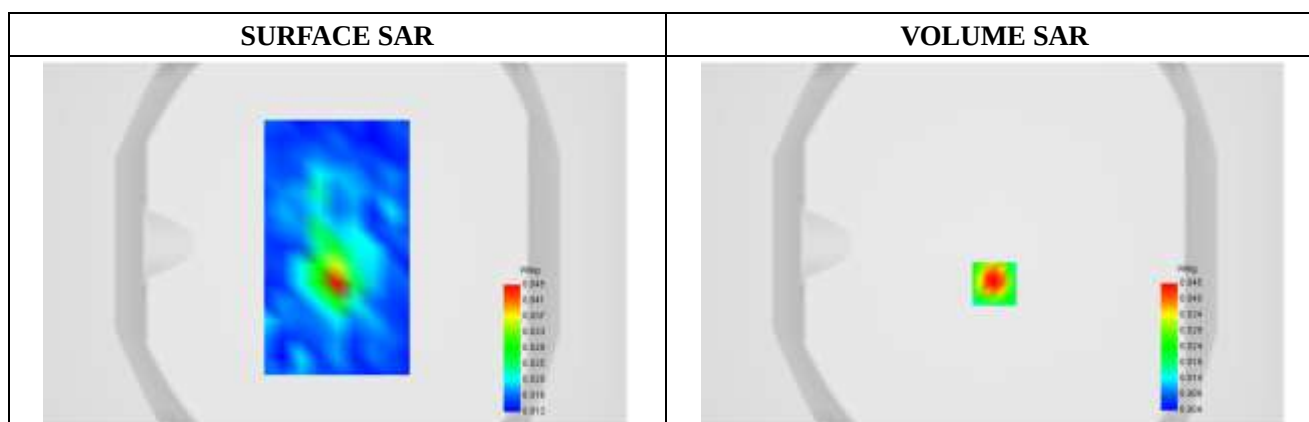
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 5280  |
| Relative permittivity (real part) | 35.89 |
| Conductivity (S/m)                | 4.74  |
| Variation (%)                     | -2.94 |

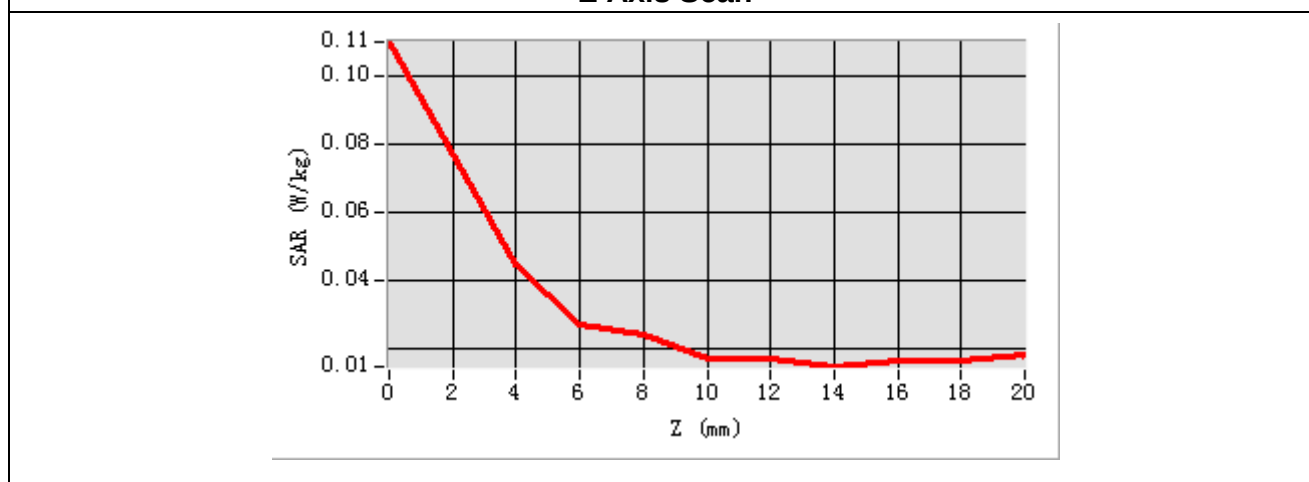
Maximum location: X=0.00, Y=-22.00

SAR Peak: 0.11 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.022540 |
| SAR 1g (W/Kg)  | 0.038217 |



### Z Axis Scan



## Testing result (WI-FI U-NII 2c 802.11a, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/18/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO 0523-EPGO-403        |
| Area Scan       | dx=10mm dy=10mm             |
| Zoom Scan       | 7x7x12,dx=4mm dy=4mm dz=2mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | WI-FI 802.11a               |
| Channels        | Middle                      |
| Signal          | OFDM(Crest factor: 1.0)     |

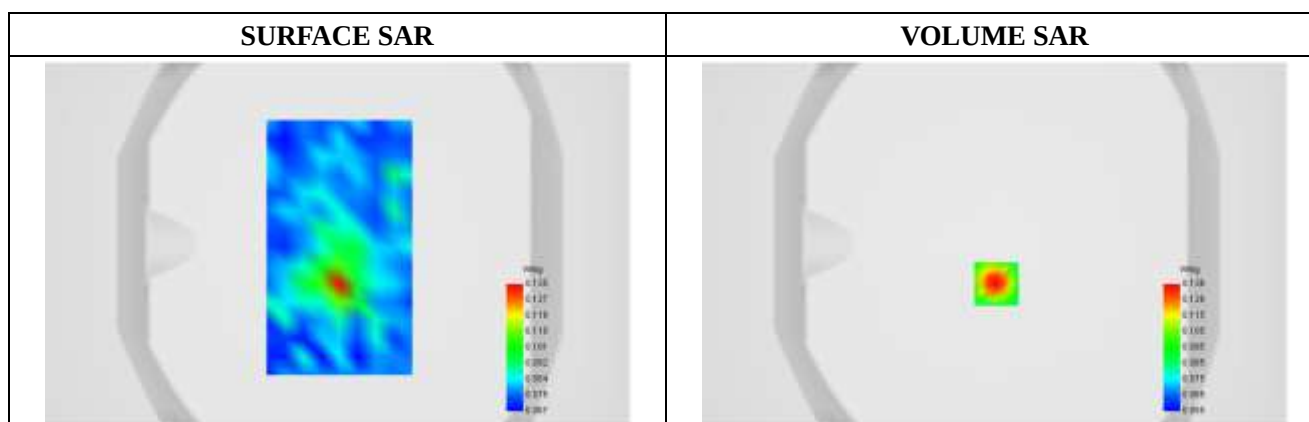
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 5600  |
| Relative permittivity (real part) | 35.02 |
| Conductivity (S/m)                | 5.16  |
| Variation (%)                     | 3.03  |

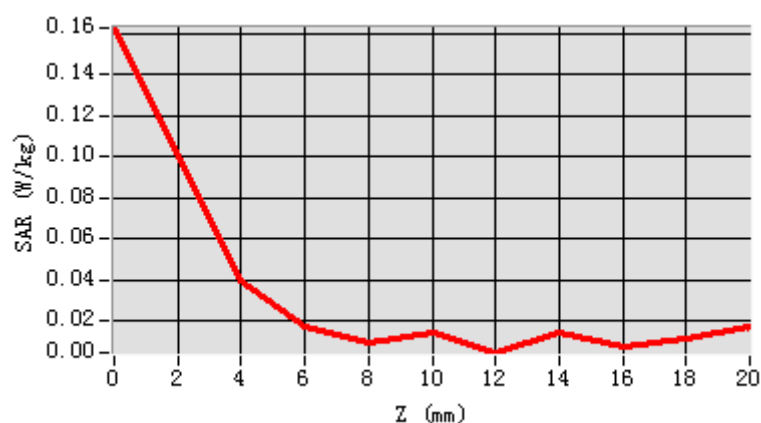
Maximum location: X=0.00, Y=-22.00

SAR Peak: 0.14 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.024168 |
| SAR 1g (W/Kg)  | 0.042086 |



### Z Axis Scan



## Testing result (WI-FI U-NII 3a 802.11n20, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/18/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO 0523-EPGO-403        |
| Area Scan       | dx=10mm dy=10mm             |
| Zoom Scan       | 7x7x12,dx=4mm dy=4mm dz=2mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | WI-FI 802.11n20             |
| Channels        | Middle                      |
| Signal          | OFDM(Crest factor: 1.0)     |

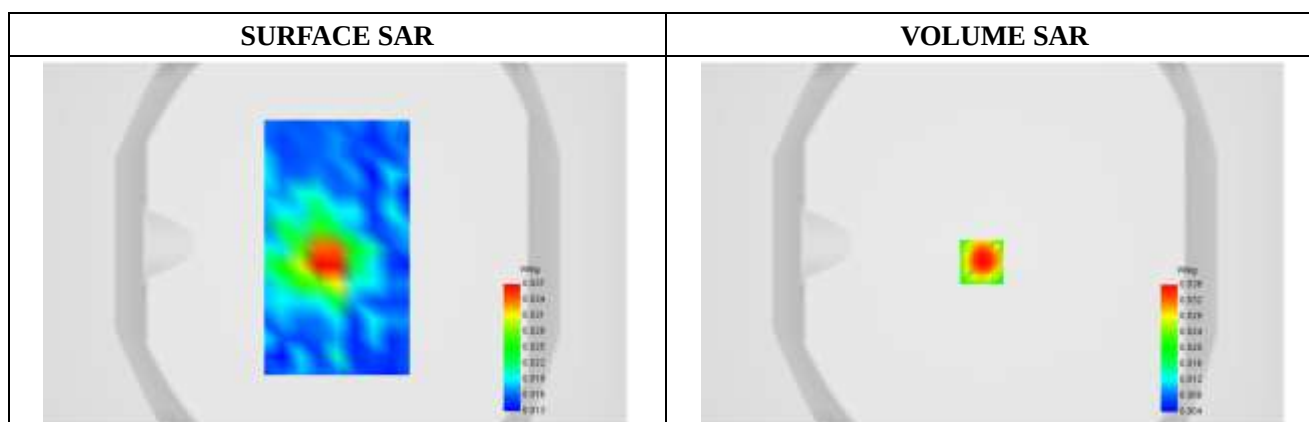
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 5785  |
| Relative permittivity (real part) | 34.70 |
| Conductivity (S/m)                | 5.31  |
| Variation (%)                     | -0.47 |

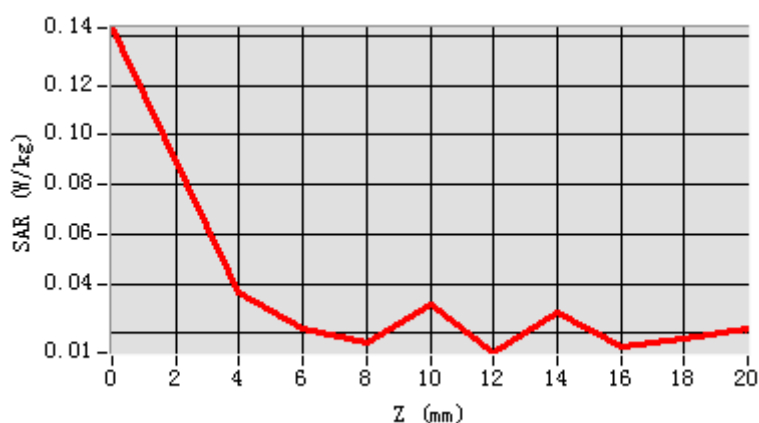
Maximum location: X=-7.00, Y=-10.00

SAR Peak: 0.12 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.021192 |
| SAR 1g (W/Kg)  | 0.038968 |



### Z Axis Scan



## Testing result (Bluetooth, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/07/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPGO383     |
| Area Scan       | dx=12mm dy=12mm             |
| Zoom Scan       | 7x7x7, dx=5mm dy=5mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | Bluetooth                   |
| Channels        | Middle                      |
| Signal          | 8-DPSK(Crest factor: 1.0)   |

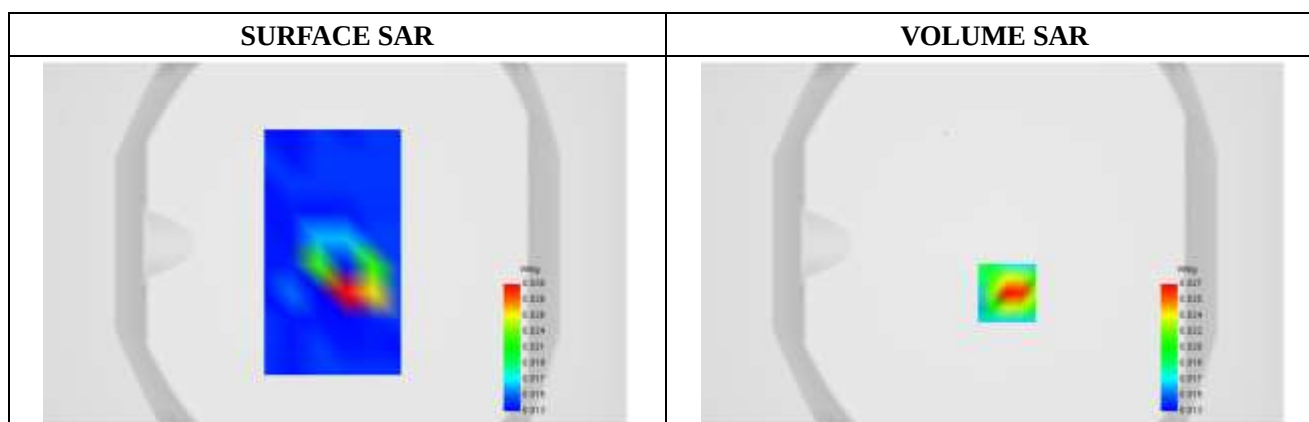
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 2441  |
| Relative permittivity (real part) | 39.82 |
| Conductivity (S/m)                | 1.80  |
| Variation (%)                     | -1.21 |

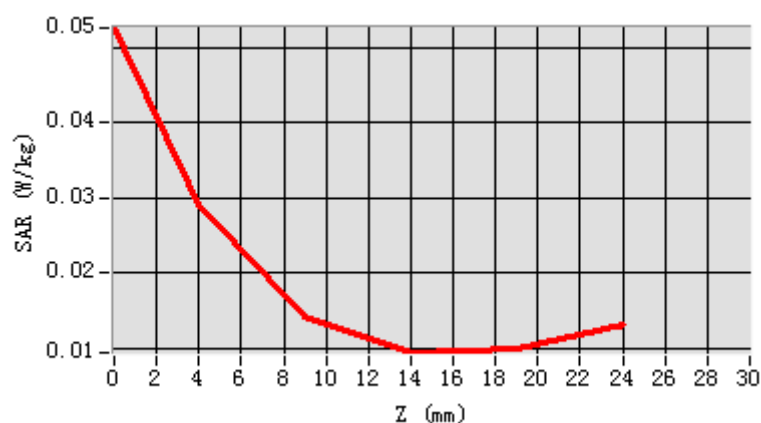
Maximum location: X=4.00, Y=-21.00

SAR Peak: 0.05 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.009679 |
| SAR 1g (W/Kg)  | 0.016051 |



### Z Axis Scan



## Testing result (Bluetooth, Right, Middle, 10mm)

Type: phone measurement

Date of measurement: 03/07/2023

### A. Experimental conditions.

|                 |                             |
|-----------------|-----------------------------|
| E-Field Probe   | SATIMO SN 32/22 EPGO383     |
| Area Scan       | dx=12mm dy=12mm             |
| Zoom Scan       | 7x7x7, dx=5mm dy=5mm dz=5mm |
| Phantom         | Validation plane            |
| Device Position | Body                        |
| Band            | Bluetooth                   |
| Channels        | Middle                      |
| Signal          | 8-DPSK(Crest factor: 1.0)   |

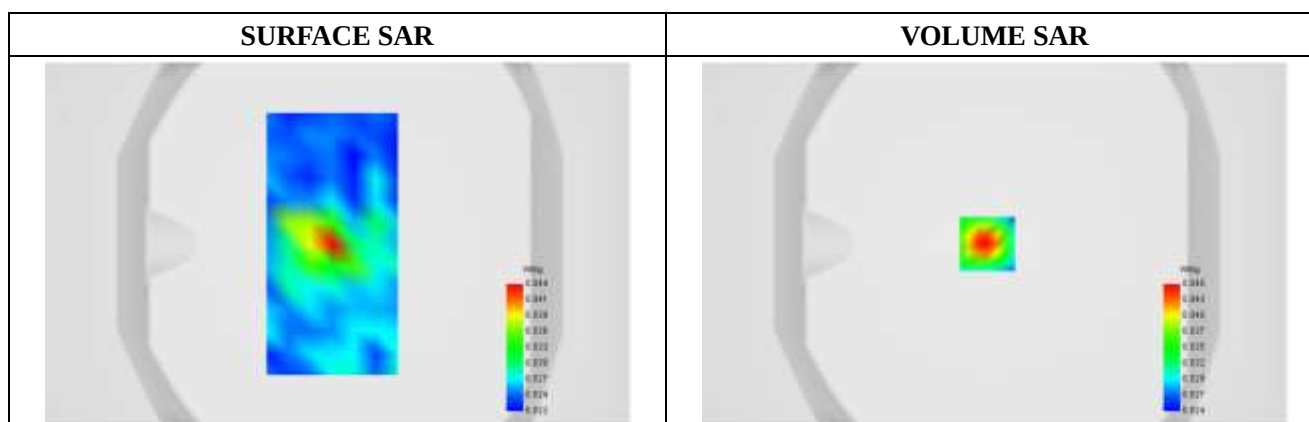
### B. SAR Measurement Results

|                                   |       |
|-----------------------------------|-------|
| Frequency (MHz)                   | 2441  |
| Relative permittivity (real part) | 39.82 |
| Conductivity (S/m)                | 1.80  |
| Variation (%)                     | 1.09  |

Maximum location: X=-2.00, Y=0.00

SAR Peak: 0.06 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.024040 |
| SAR 1g (W/Kg)  | 0.039083 |



### Z Axis Scan

