

**Appendix B: SAR Measurement results Plots**

| <b>Plot</b> | <b>Frequency/Mode</b>           | <b>Testing Position and Channel</b> | <b>Test Date</b> |
|-------------|---------------------------------|-------------------------------------|------------------|
| 1           | GSM 850 ANT 3                   | Left Cheek Middle                   | 2023/08/31       |
| 2           | GPRS 850Tx ANT 3                | Body Back, Middle ,10mm             | 2023/08/31       |
| 3           | GSM 1900 ANT 3                  | Left Cheek Middle                   | 2023/09/06       |
| 4           | GPRS 1900Tx ANT 3               | Body Back, Middle ,10mm             | 2023/09/06       |
| 5           | WCDMA 850 ANT 3                 | Left Cheek Middle                   | 2023/08/31       |
| 6           | WCDMA 850 ANT 3                 | Body Back, Middle ,10mm             | 2023/08/31       |
| 7           | WCDMA 1700 ANT 3                | Left Cheek Middle                   | 2023/09/04       |
| 8           | WCDMA 1700 ANT 3                | Body Back, Middle ,10mm             | 2023/09/04       |
| 9           | WCDMA 1900 ANT 3                | Left Cheek Middle                   | 2023/09/06       |
| 10          | WCDMA 1900 ANT 3                | Body Back, Middle ,10mm             | 2023/09/06       |
| 11          | LTE Band 2 ANT 3                | Left Cheek Middle                   | 2023/09/06       |
| 12          | LTE Band 2 ANT 3                | Body Back, Middle ,10mm             | 2023/09/06       |
| 13          | LTE Band 4 ANT 3                | Left Cheek Middle                   | 2023/09/04       |
| 14          | LTE Band 4 ANT 3                | Body Back, High,10mm                | 2023/09/04       |
| 15          | LTE Band 5 ANT 3                | Left Cheek Middle                   | 2023/08/31       |
| 16          | LTE Band 5 ANT 3                | Body Back, Middle ,10mm             | 2023/08/31       |
| 17          | LTE Band 7 ANT 3                | Left Cheek Middle                   | 2023/09/14       |
| 18          | LTE Band 7 ANT 3                | Body Back, Middle ,10mm             | 2023/09/14       |
| 19          | LTE Band 12 ANT 3               | Left Cheek Middle                   | 2023/08/29       |
| 20          | LTE Band 12 ANT 3               | Body Back, Middle ,10mm             | 2023/08/29       |
| 21          | LTE Band 13 ANT 3               | Left Cheek Middle                   | 2023/08/29       |
| 22          | LTE Band 13 ANT 3               | Body Back, Middle ,10mm             | 2023/08/29       |
| 23          | LTE Band 17 ANT 3               | Left Cheek Middle                   | 2023/08/29       |
| 24          | LTE Band 17 ANT 3               | Body Back, Middle ,10mm             | 2023/08/29       |
| 25          | LTE Band 38 ANT 3               | Left Cheek Middle                   | 2023/09/14       |
| 26          | LTE Band 38 ANT 3               | Body Back, Middle ,10mm             | 2023/09/14       |
| 27          | LTE Band 41 ANT 3               | Left Cheek Middle                   | 2023/09/14       |
| 28          | LTE Band 41 ANT 3               | Body Back, Middle ,10mm             | 2023/09/14       |
| 29          | WI-FI 2.4G 802.11b ANT 2        | Right Cheek Middle                  | 2023/09/10       |
| 30          | WI-FI 2.4G 802.11b ANT 2        | Body Front, Middle ,10mm            | 2023/09/10       |
| 31          | WI-FI 2.4G 802.11b ANT 2        | Edge Left, Middle ,10mm             | 2023/09/10       |
| 32          | WI-FI U-NII 1<br>802.11a ANT 2  | Right Tilted Middle                 | 2023/09/15       |
| 33          | WI-FI U-NII 1<br>802.11a ANT 2  | Body Back,Middle,10mm               | 2023/09/15       |
| 34          | WI-FI U-NII 2A<br>802.11a ANT 2 | Right Tilted Middle                 | 2023/09/15       |
| 35          | WI-FI U-NII 2A<br>802.11a ANT 2 | Body Back,Middle,10mm               | 2023/09/15       |
| 36          | WI-FI U-NII 2C<br>802.11a ANT2  | Right Tilted Middle                 | 2023/09/16       |
| 37          | WI-FI U-NII 2<br>802.11a ANT 2  | Body Back,Middle,10mm               | 2023/09/16       |
| 38          | WI-FI U-NII 3<br>802.11a ANT2   | Right Tilted Middle                 | 2023/09/16       |
| 39          | WI-FI U-NII 3                   | Body Back,Middle,10mm               | 2023/09/16       |



|    |                 |                       |            |
|----|-----------------|-----------------------|------------|
|    | 802.11a ANT 2   |                       |            |
| 40 | Bluetooth ANT 2 | Right Cheek Middle    | 2023/09/10 |
| 41 | Bluetooth ANT 2 | Body Back,Middle,10mm | 2023/09/10 |

### Testing result (GSM850 ANT 3, Left Cheek, Middle, 0mm)

Type: phone measurement

Date of measurement: 08/31/2023

#### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Left Head                  |
| <b>Device Position</b> | Cheek                      |
| <b>Band</b>            | GSM850                     |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | WCDMA(Crest factor: 1.0)   |

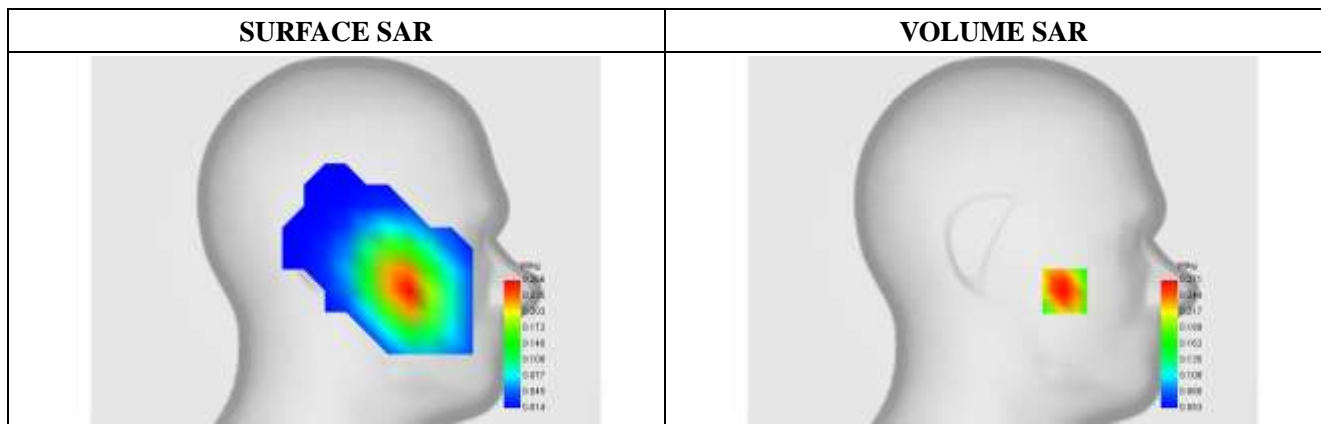
#### B. SAR Measurement Results

|  |       |
|--|-------|
| <b>Frequency (MHz)</b>                   | 836.6 |
| <b>Relative permittivity (real part)</b> | 42.08 |
| <b>Conductivity (S/m)</b>                | 0.92  |
| <b>Variation (%)</b>                     | -0.45 |

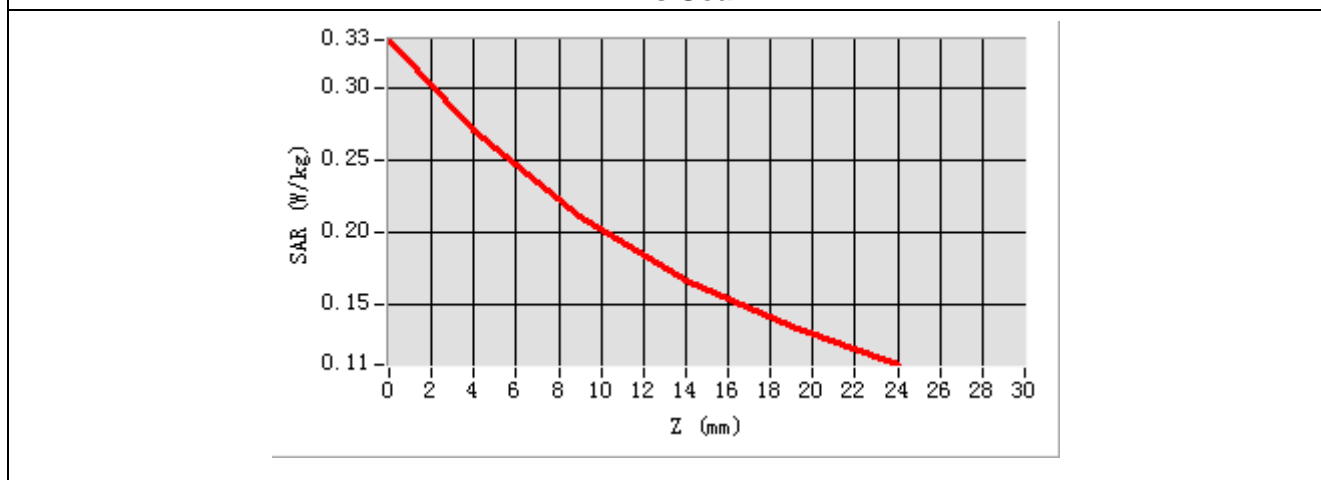
Maximum location: X=-50.00, Y=-36.00

SAR Peak: 0.34 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.190256 |
| <b>SAR 1g (W/Kg)</b>  | 0.260380 |



Z Axis Scan



## Testing result (GPRS850 ANT 3, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 08/31/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Validation plane           |
| <b>Device Position</b> | Body                       |
| <b>Band</b>            | GPRS850_4Tx                |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | GSM(Crest factor: 2.0)     |

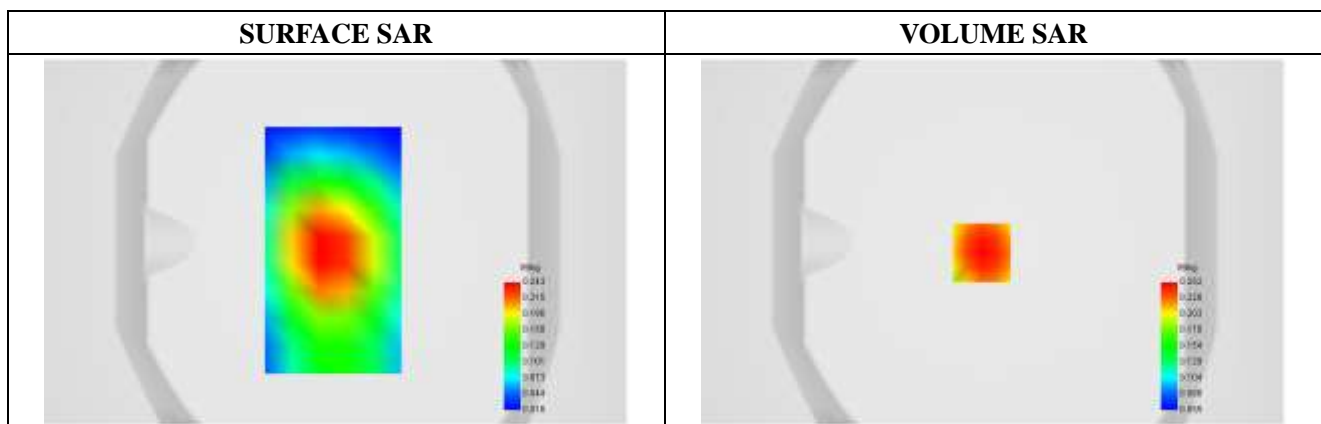
### B. SAR Measurement Results

|  |       |
|--|-------|
| <b>Frequency (MHz)</b>                   | 836.6 |
| <b>Relative permittivity (real part)</b> | 42.08 |
| <b>Conductivity (S/m)</b>                | 0.92  |
| <b>Variation (%)</b>                     | 0.19  |

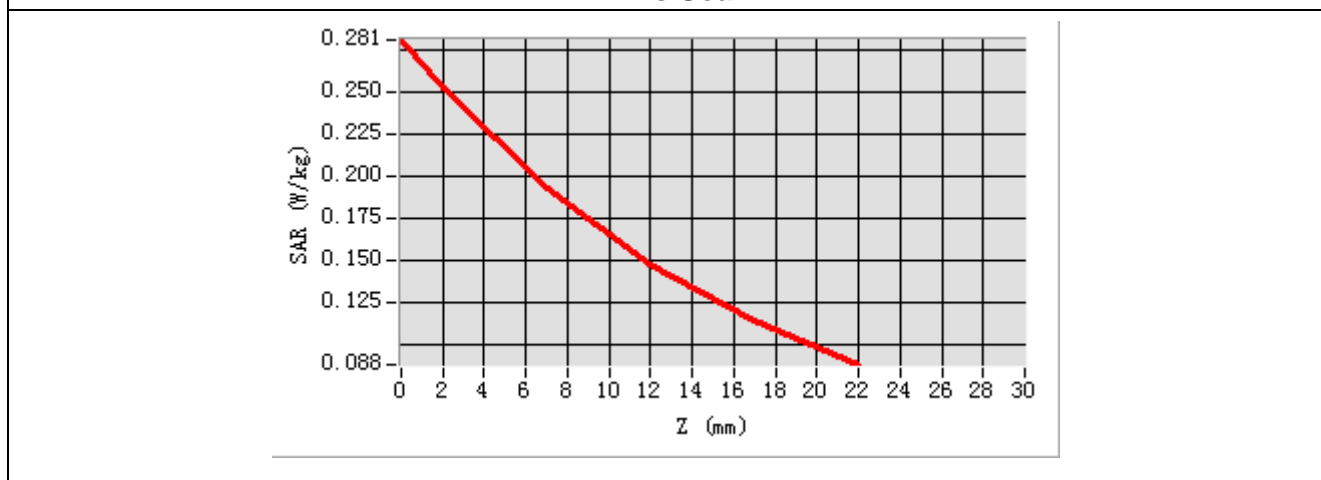
**Maximum location: X=-7.00, Y=-6.00**

**SAR Peak: 0.28 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.161597 |
| <b>SAR 1g (W/Kg)</b>  | 0.219033 |



### Z Axis Scan



## Testing result (GSM1900 ANT 3, Left Cheek, Middle, 0mm)

Type: phone measurement

Date of measurement: 09/06/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Left Head                  |
| <b>Device Position</b> | Cheek                      |
| <b>Band</b>            | GSM1900                    |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | GSM(Crest factor: 1.0)     |

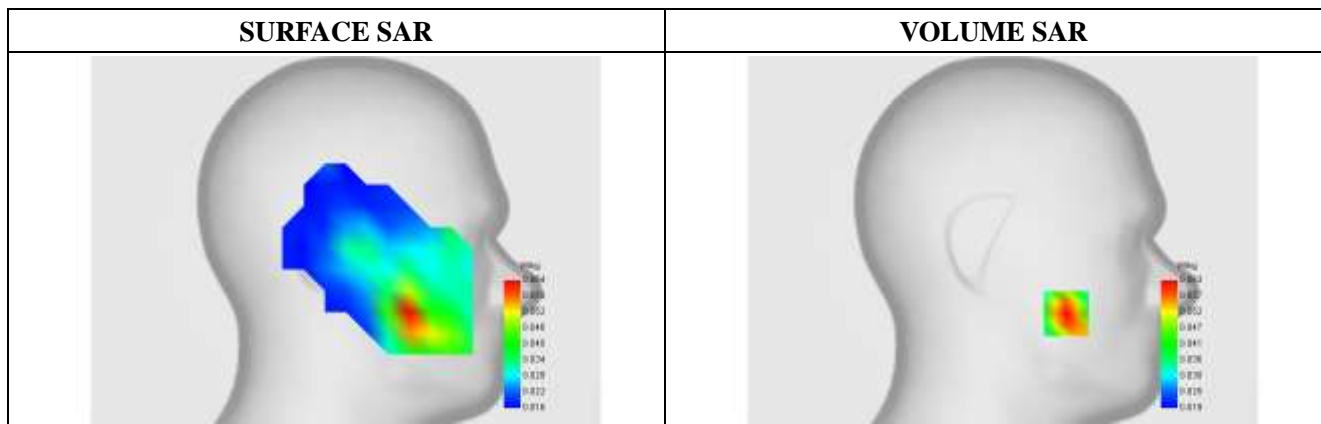
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 1880.0 |
| <b>Relative permittivity (real part)</b> | 40.12  |
| <b>Conductivity (S/m)</b>                | 1.41   |
| <b>Variation (%)</b>                     | -2.25  |

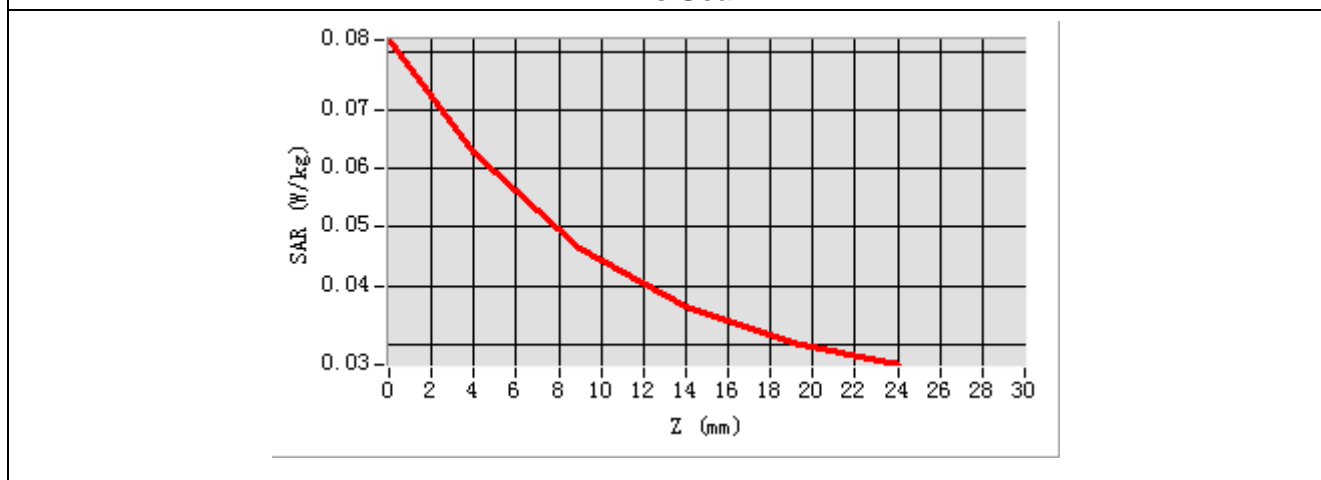
**Maximum location: X=-51.00, Y=-52.00**

**SAR Peak: 0.08 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.042926 |
| <b>SAR 1g (W/Kg)</b>  | 0.060083 |



### Z Axis Scan



## Testing result (GPRS1900 ANT 3, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 09/06/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Validation plane           |
| <b>Device Position</b> | Body                       |
| <b>Band</b>            | GPRS1900_4Tx               |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | GSM(Crest factor: 2.0)     |

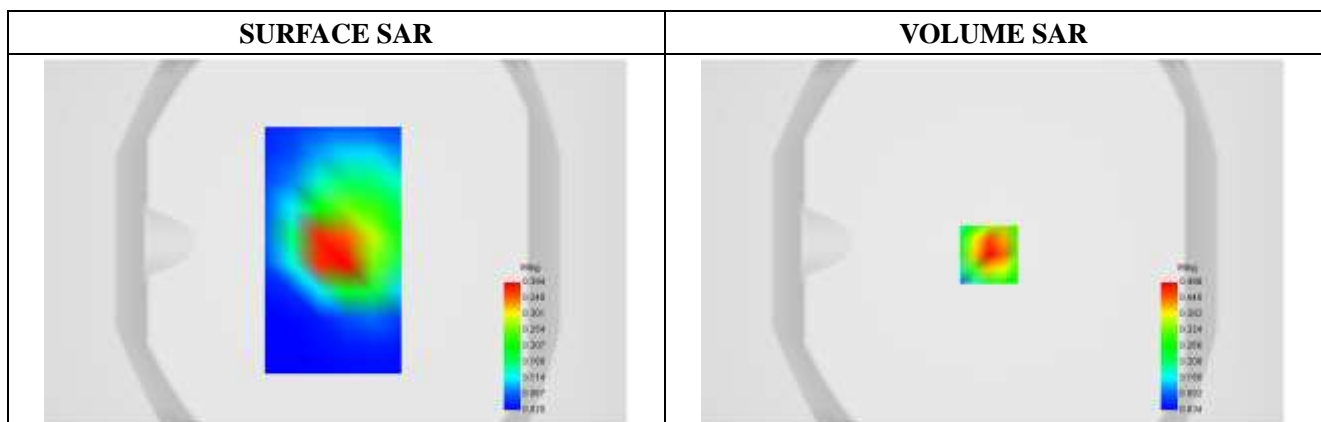
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 1880.0 |
| <b>Relative permittivity (real part)</b> | 40.12  |
| <b>Conductivity (S/m)</b>                | 1.41   |
| <b>Variation (%)</b>                     | -0.43  |

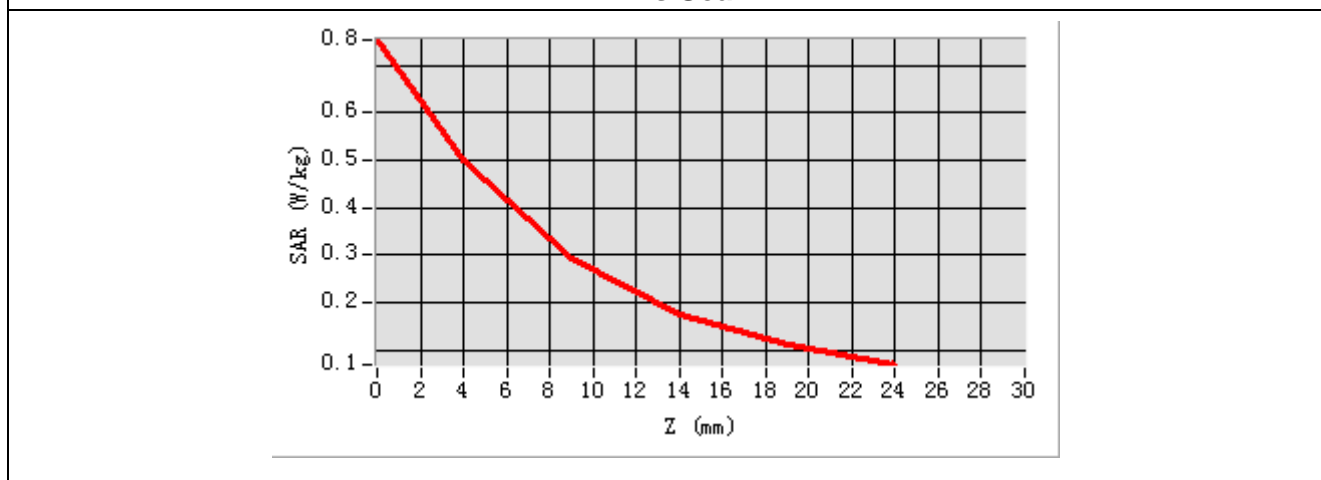
Maximum location: X=-3.00, Y=-7.00

SAR Peak: 0.76 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.263693 |
| <b>SAR 1g (W/Kg)</b>  | 0.469220 |



### Z Axis Scan



## Testing result (WCDMA850 ANT 3, Left Cheek, Middle, 0mm)

Type: phone measurement

Date of measurement: 08/31/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Left Head                  |
| <b>Device Position</b> | Cheek                      |
| <b>Band</b>            | WCDMA850                   |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | WCDMA(Crest factor: 1.0)   |

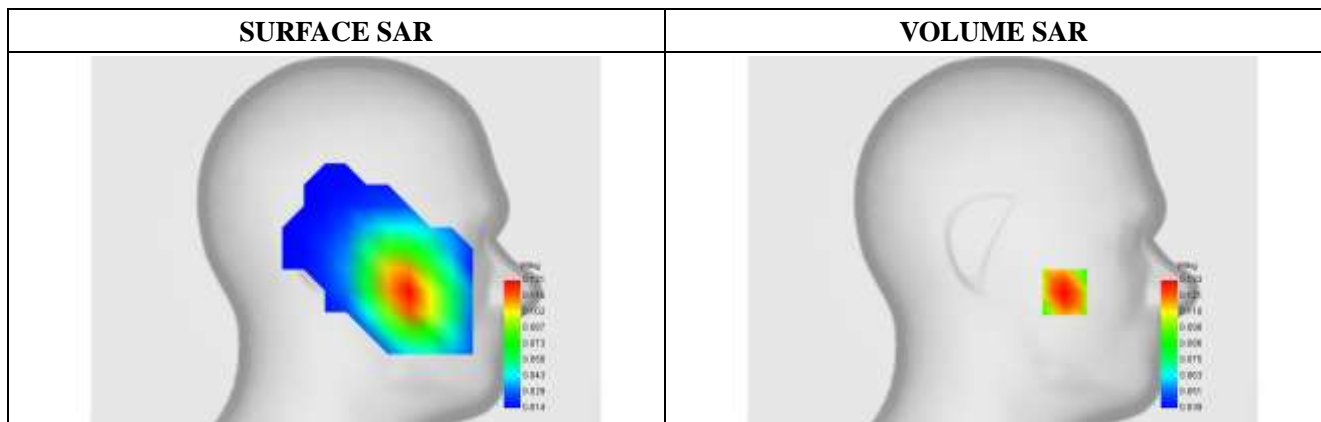
### B. SAR Measurement Results

|  |       |
|--|-------|
| <b>Frequency (MHz)</b>                   | 836.6 |
| <b>Relative permittivity (real part)</b> | 42.08 |
| <b>Conductivity (S/m)</b>                | 0.92  |
| <b>Variation (%)</b>                     | -2.38 |

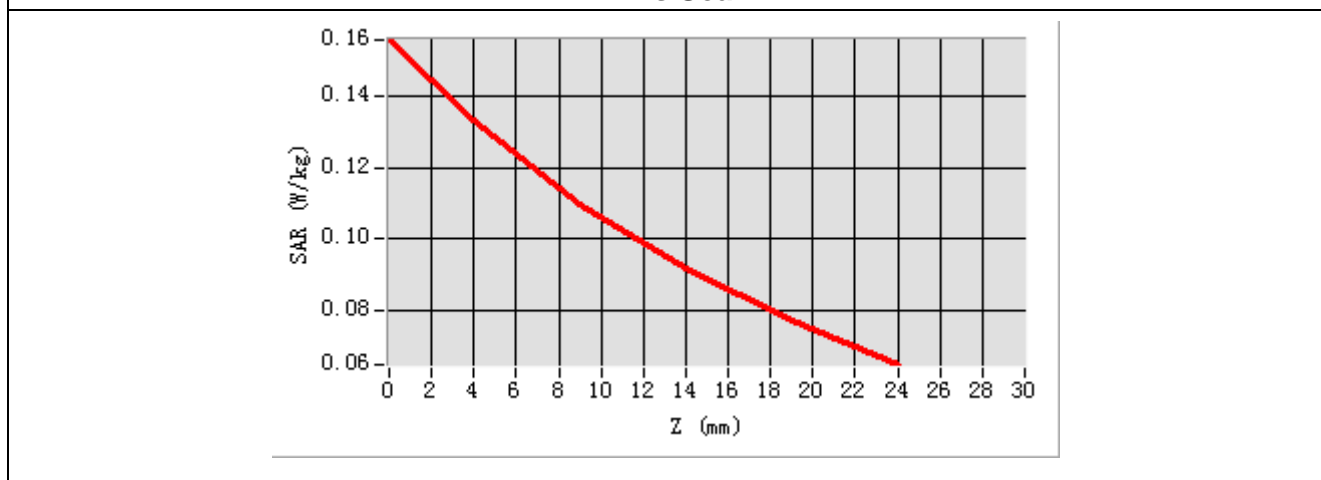
Maximum location: X=-50.00, Y=-37.00

SAR Peak: 0.16 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.100126 |
| <b>SAR 1g (W/Kg)</b>  | 0.128690 |



### Z Axis Scan



## Testing result (WCDMA850 ANT 3, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 08/31/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Validation plane           |
| <b>Device Position</b> | Body                       |
| <b>Band</b>            | WCDMA850                   |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | WCDMA(Crest factor: 1.0)   |

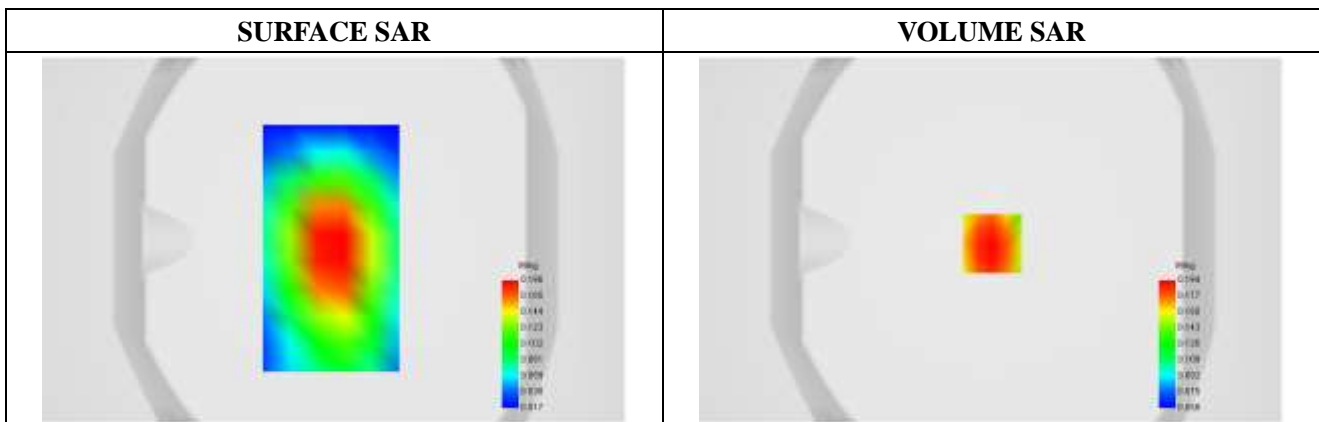
### B. SAR Measurement Results

|  |       |
|--|-------|
| <b>Frequency (MHz)</b>                   | 836.6 |
| <b>Relative permittivity (real part)</b> | 42.08 |
| <b>Conductivity (S/m)</b>                | 0.92  |
| <b>Variation (%)</b>                     | 0.38  |

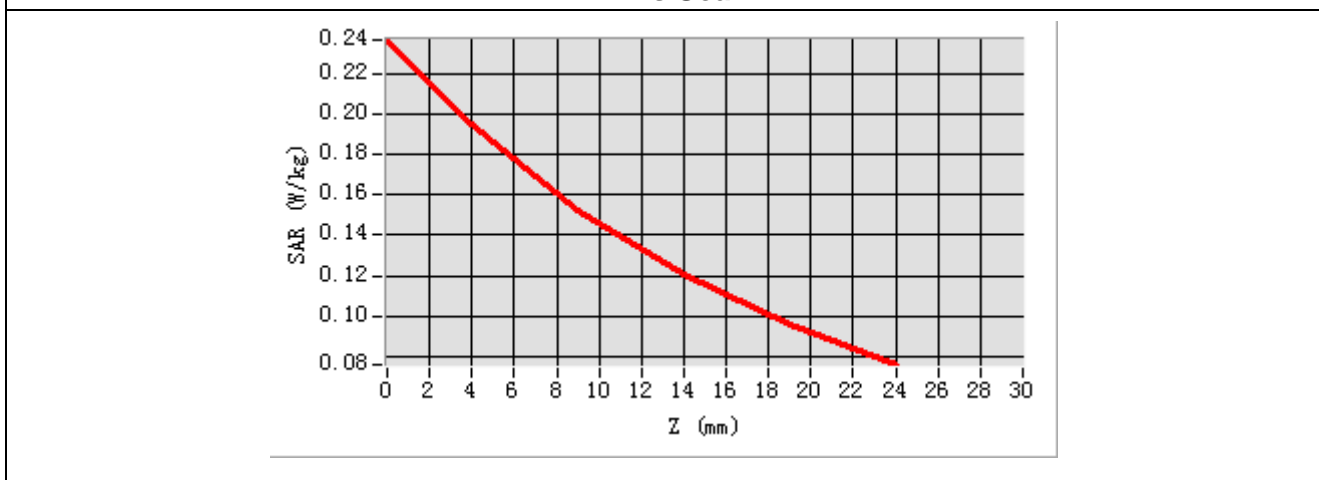
Maximum location: X=0.00, Y=-2.00

SAR Peak: 0.24 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.141705 |
| <b>SAR 1g (W/Kg)</b>  | 0.188262 |



### Z Axis Scan





## Testing result (WCDMA1700 ANT 3, Left Cheek, Middle, 0mm)

Type: phone measurement

Date of measurement: 09/04/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Left Head                  |
| <b>Device Position</b> | Cheek                      |
| <b>Band</b>            | WCDMA1700                  |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | WCDMA(Crest factor: 1.0)   |

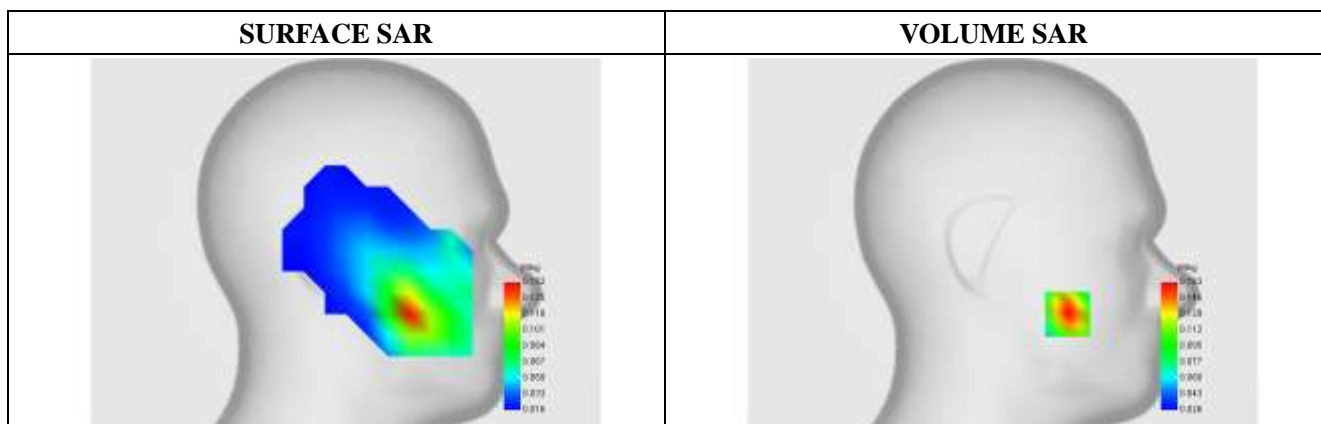
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 1732.4 |
| <b>Relative permittivity (real part)</b> | 40.43  |
| <b>Conductivity (S/m)</b>                | 1.33   |
| <b>Variation (%)</b>                     | -2.26  |

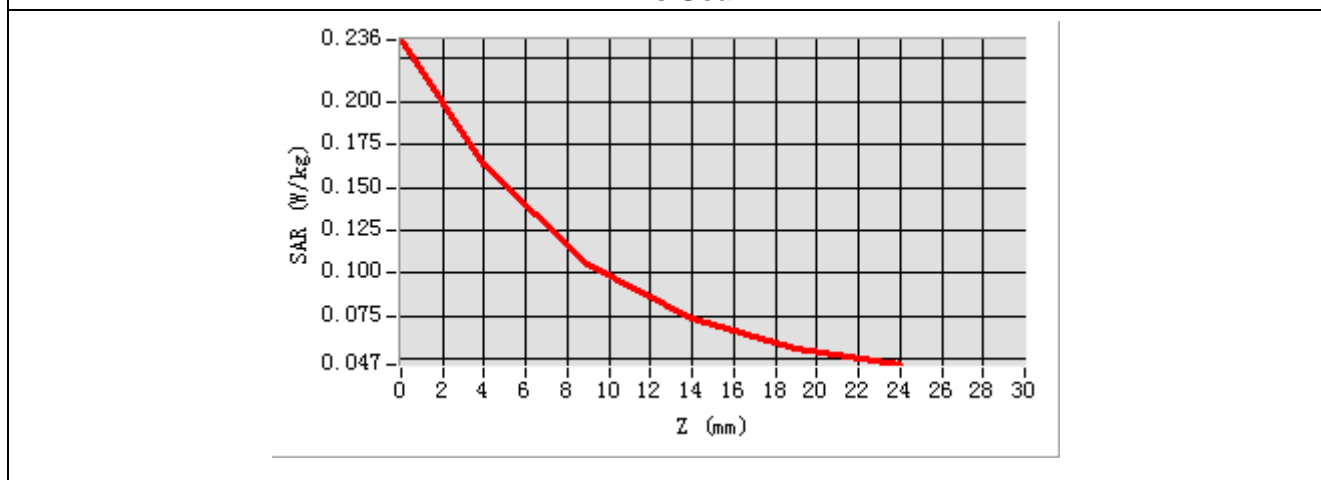
Maximum location: X=-52.00, Y=-51.00

SAR Peak: 0.24 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.097299 |
| <b>SAR 1g (W/Kg)</b>  | 0.154740 |



### Z Axis Scan



## Testing result (WCDMA1700 ANT 3, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 09/04/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Validation plane           |
| <b>Device Position</b> | Body                       |
| <b>Band</b>            | WCDMA1700                  |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | WCDMA(Crest factor: 1.0)   |

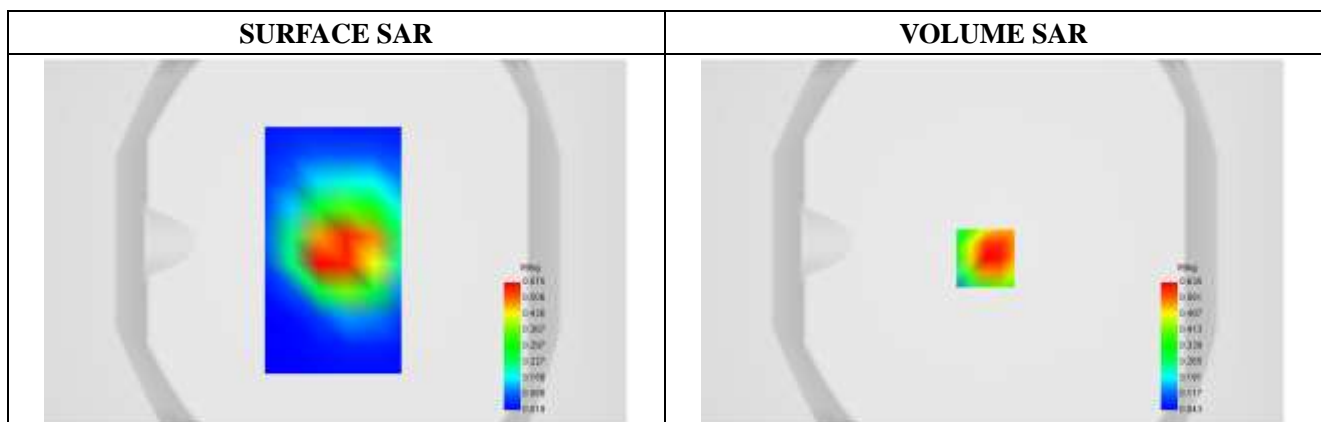
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 1732.4 |
| <b>Relative permittivity (real part)</b> | 40.43  |
| <b>Conductivity (S/m)</b>                | 1.33   |
| <b>Variation (%)</b>                     | -1.22  |

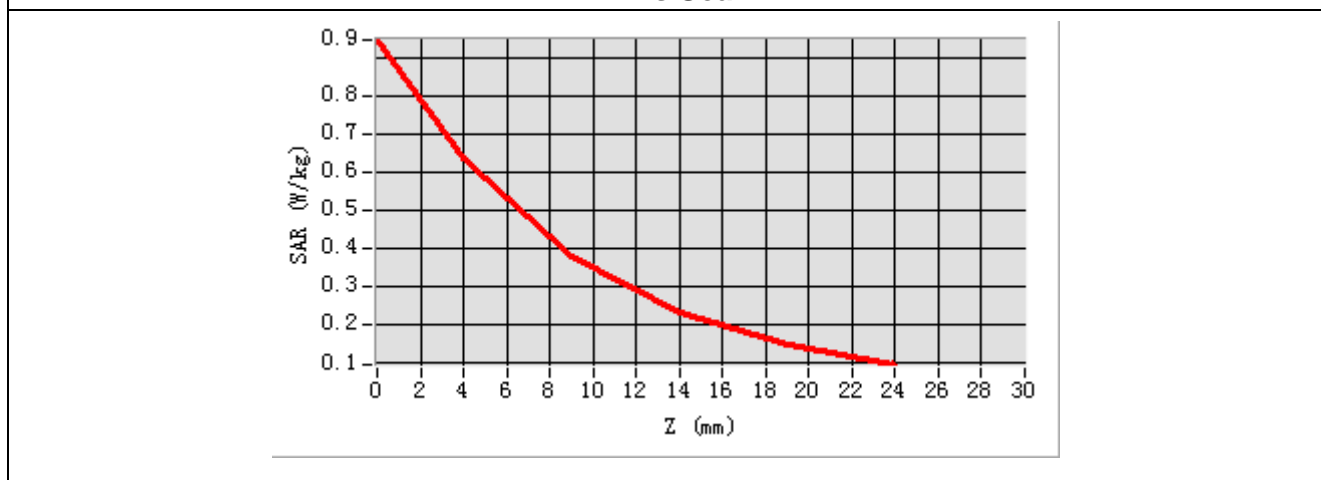
**Maximum location: X=-5.00, Y=-9.00**

**SAR Peak: 0.97 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.363825 |
| <b>SAR 1g (W/Kg)</b>  | 0.611425 |



### Z Axis Scan



## Testing result (WCDMA1900 ANT 3, Left Cheek, Middle, 0mm)

Type: phone measurement

Date of measurement: 09/06/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Left Head                  |
| <b>Device Position</b> | Cheek                      |
| <b>Band</b>            | WCDMA1900                  |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | WCDMA(Crest factor: 1.0)   |

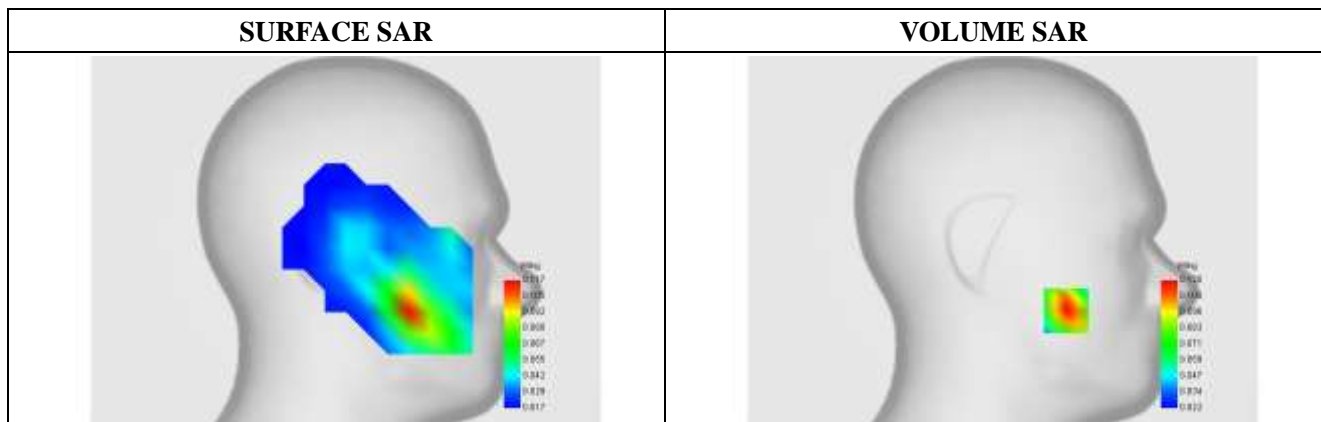
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 1880.0 |
| <b>Relative permittivity (real part)</b> | 40.12  |
| <b>Conductivity (S/m)</b>                | 1.41   |
| <b>Variation (%)</b>                     | -2.69  |

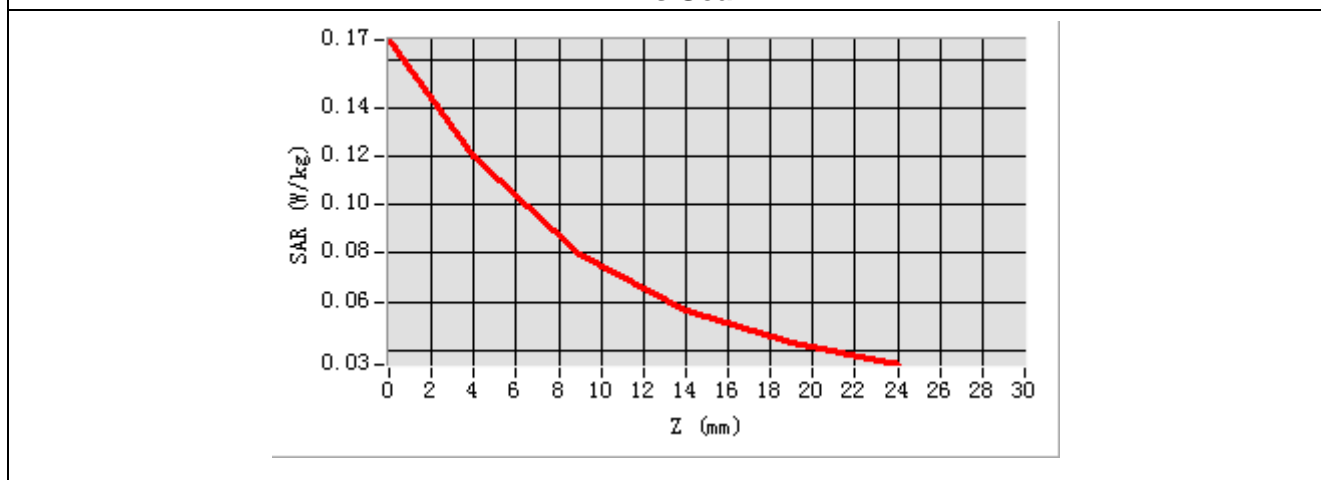
**Maximum location: X=-51.00, Y=-50.00**

**SAR Peak: 0.17 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.072733 |
| <b>SAR 1g (W/Kg)</b>  | 0.113682 |



### Z Axis Scan



## Testing result (WCDMA1900 ANT 3, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 09/06/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Validation plane           |
| <b>Device Position</b> | Body                       |
| <b>Band</b>            | WCDMA1900                  |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | WCDMA(Crest factor: 1.0)   |

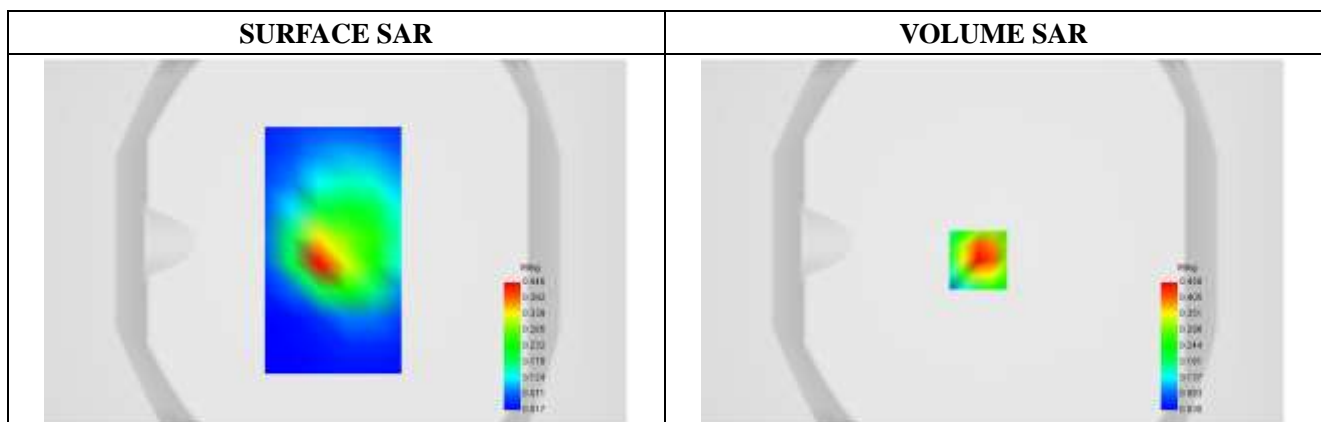
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 1880.0 |
| <b>Relative permittivity (real part)</b> | 40.12  |
| <b>Conductivity (S/m)</b>                | 1.41   |
| <b>Variation (%)</b>                     | -0.93  |

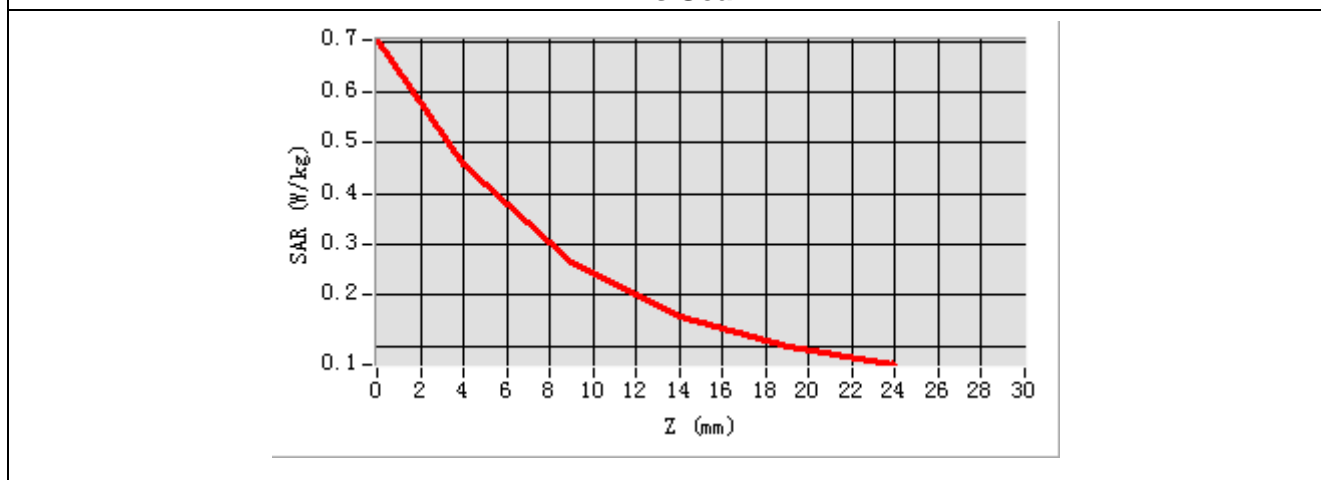
Maximum location: X=-9.00, Y=-10.00

SAR Peak: 0.71 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.241910 |
| <b>SAR 1g (W/Kg)</b>  | 0.433228 |



### Z Axis Scan



## Testing result (LTE Band 2 ANT 3, Left Cheek, Middle, 0mm)

Type: phone measurement

Date of measurement: 09/06/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Left Head                  |
| <b>Device Position</b> | Cheek                      |
| <b>Band</b>            | LTE Band 2                 |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | LTE(Crest factor: 1.0)     |

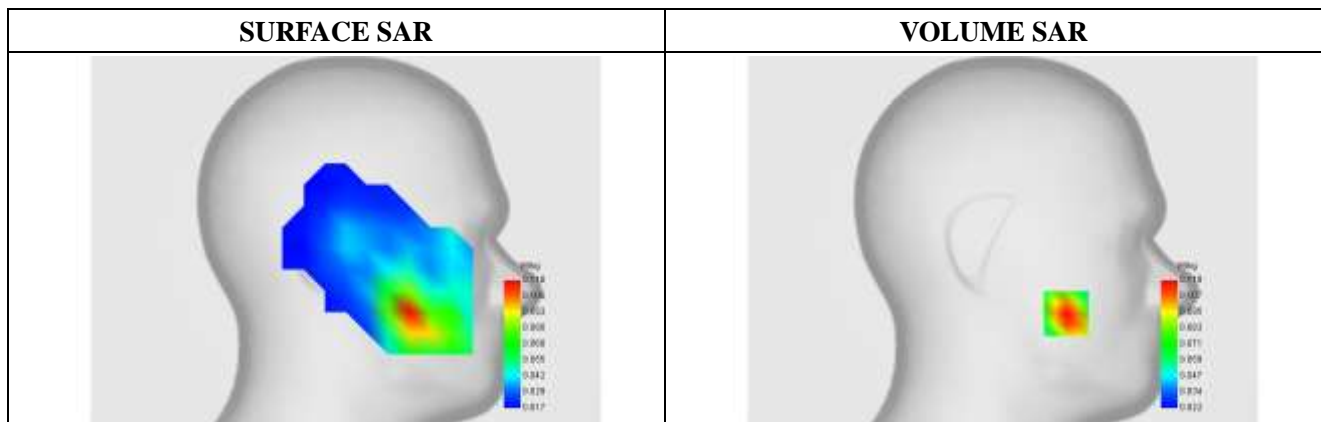
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 1880.0 |
| <b>Relative permittivity (real part)</b> | 40.12  |
| <b>Conductivity (S/m)</b>                | 1.41   |
| <b>Variation (%)</b>                     | -0.97  |

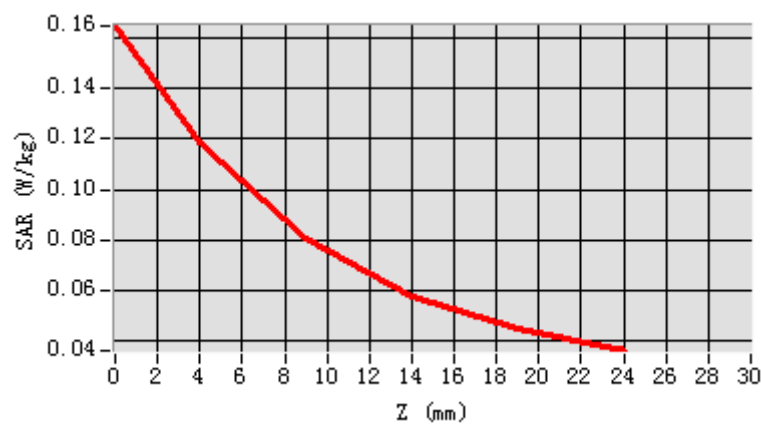
Maximum location: X=-51.00, Y=-52.00

SAR Peak: 0.17 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.074272 |
| <b>SAR 1g (W/Kg)</b>  | 0.112949 |



### Z Axis Scan



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

Type: phone measurement

Date of measurement: 09/06/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Validation plane           |
| <b>Device Position</b> | Body                       |
| <b>Band</b>            | LTE Band 2                 |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | LTE(Crest factor: 1.0)     |

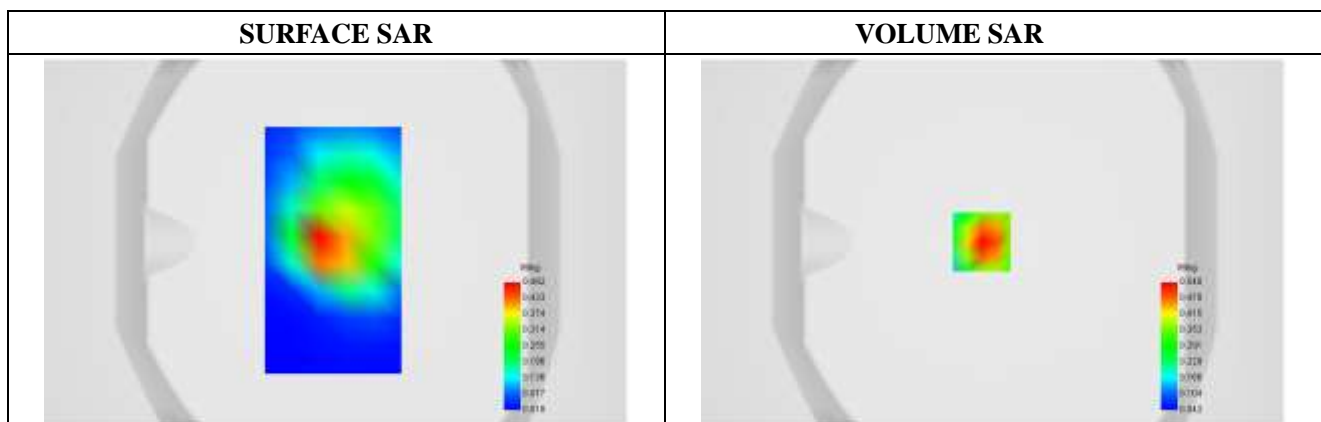
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 1880.0 |
| <b>Relative permittivity (real part)</b> | 40.12  |
| <b>Conductivity (S/m)</b>                | 1.41   |
| <b>Variation (%)</b>                     | -3.27  |

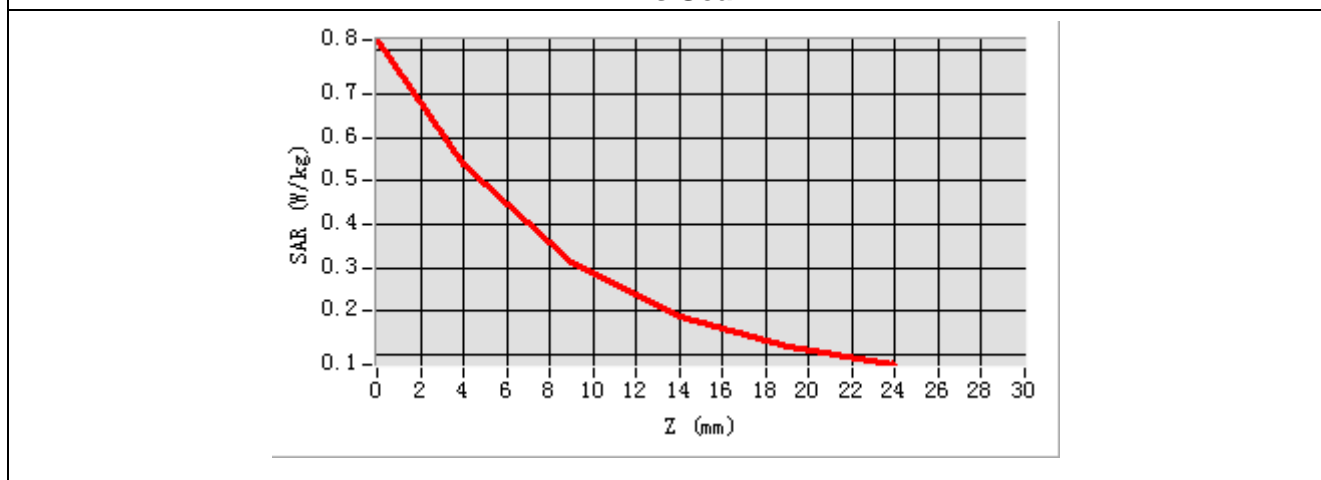
Maximum location: X=-7.00, Y=0.00

SAR Peak: 0.83 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.289938 |
| <b>SAR 1g (W/Kg)</b>  | 0.509126 |



### Z Axis Scan



## Testing result (LTE Band 4 ANT 3, Left Cheek, Middle, 0mm)

Type: phone measurement

Date of measurement: 09/04/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Left Head                  |
| <b>Device Position</b> | Cheek                      |
| <b>Band</b>            | LTE Band 4                 |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | LTE(Crest factor: 1.0)     |

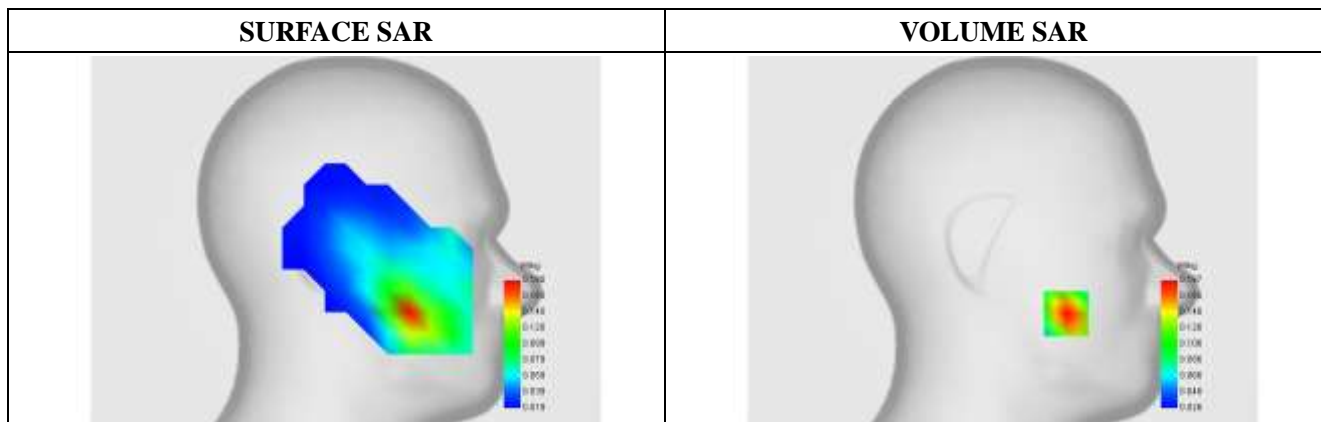
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 1732.5 |
| <b>Relative permittivity (real part)</b> | 40.43  |
| <b>Conductivity (S/m)</b>                | 1.33   |
| <b>Variation (%)</b>                     | -2.53  |

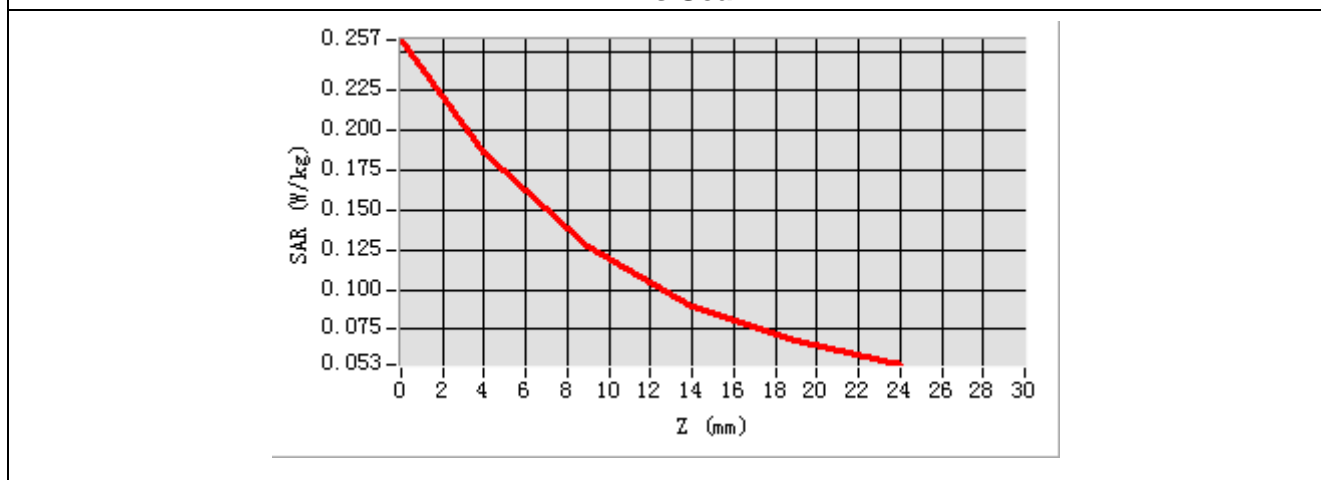
**Maximum location: X=-51.00, Y=-52.00**

**SAR Peak: 0.26 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.112634 |
| <b>SAR 1g (W/Kg)</b>  | 0.176145 |



**Z Axis Scan**



## Testing result (LTE Band 4 ANT 3, Back, High, 10mm)

Type: phone measurement

Date of measurement: 09/04/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Validation plane           |
| <b>Device Position</b> | Body                       |
| <b>Band</b>            | LTE Band 4                 |
| <b>Channels</b>        | High                       |
| <b>Signal</b>          | LTE(Crest factor: 1.0)     |

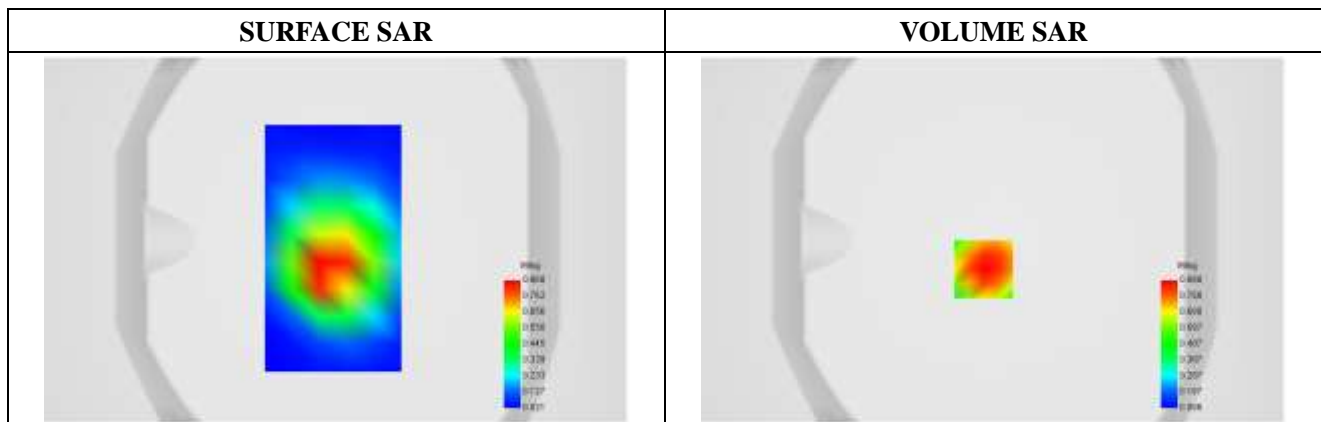
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 1745.0 |
| <b>Relative permittivity (real part)</b> | 40.38  |
| <b>Conductivity (S/m)</b>                | 1.34   |
| <b>Variation (%)</b>                     | 1.70   |

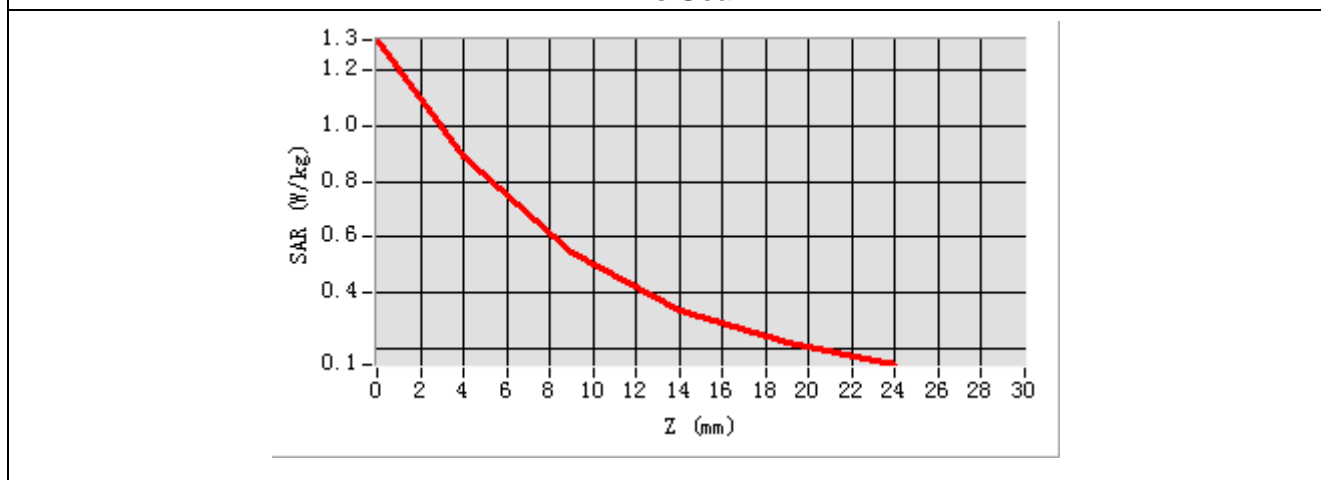
Maximum location: X=-6.00, Y=-16.00

SAR Peak: 1.31 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.523821 |
| <b>SAR 1g (W/Kg)</b>  | 0.847636 |



### Z Axis Scan





## Testing result (LTE Band 5 ANT 3, Left Cheek, Middle, 0mm)

Type: phone measurement

Date of measurement: 08/31/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Left Head                  |
| <b>Device Position</b> | Cheek                      |
| <b>Band</b>            | LTE Band 5                 |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | LTE(Crest factor: 1.0)     |

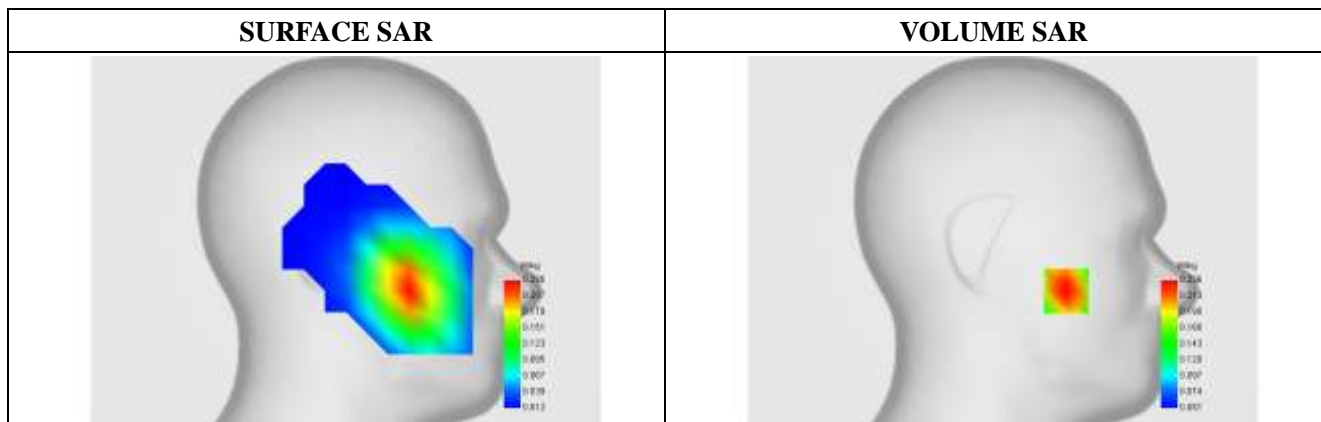
### B. SAR Measurement Results

|  |       |
|--|-------|
| <b>Frequency (MHz)</b>                   | 836.5 |
| <b>Relative permittivity (real part)</b> | 42.08 |
| <b>Conductivity (S/m)</b>                | 0.92  |
| <b>Variation (%)</b>                     | -0.83 |

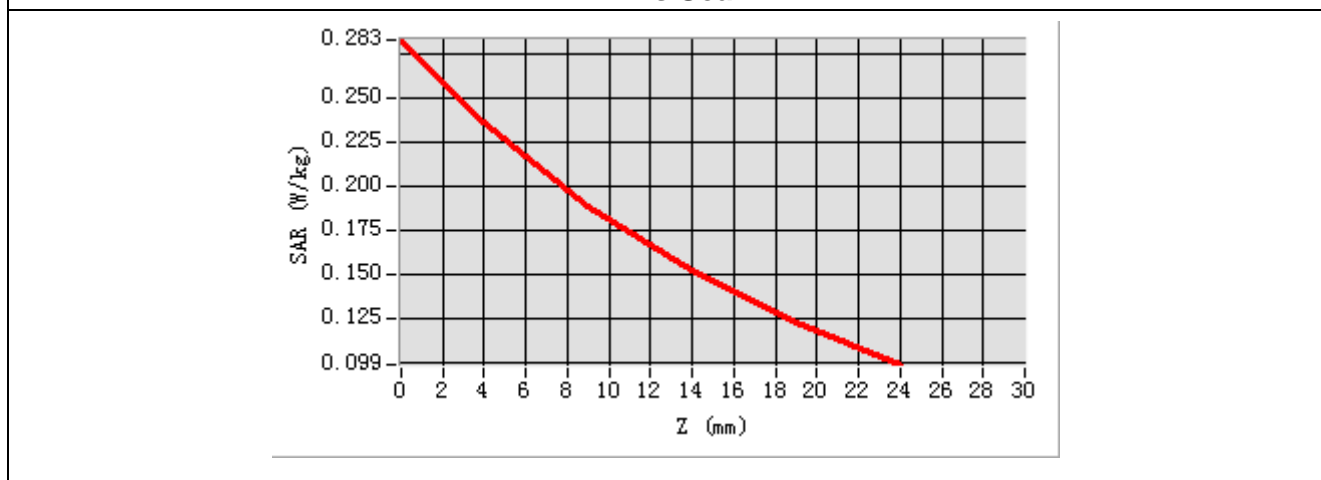
**Maximum location: X=-51.00, Y=-36.00**

**SAR Peak: 0.28 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.169392 |
| <b>SAR 1g (W/Kg)</b>  | 0.226791 |



### Z Axis Scan



## Testing result (LTE Band 5 ANT 3, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 08/31/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Validation plane           |
| <b>Device Position</b> | Body                       |
| <b>Band</b>            | LTE Band 5                 |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | LTE(Crest factor: 1.0)     |

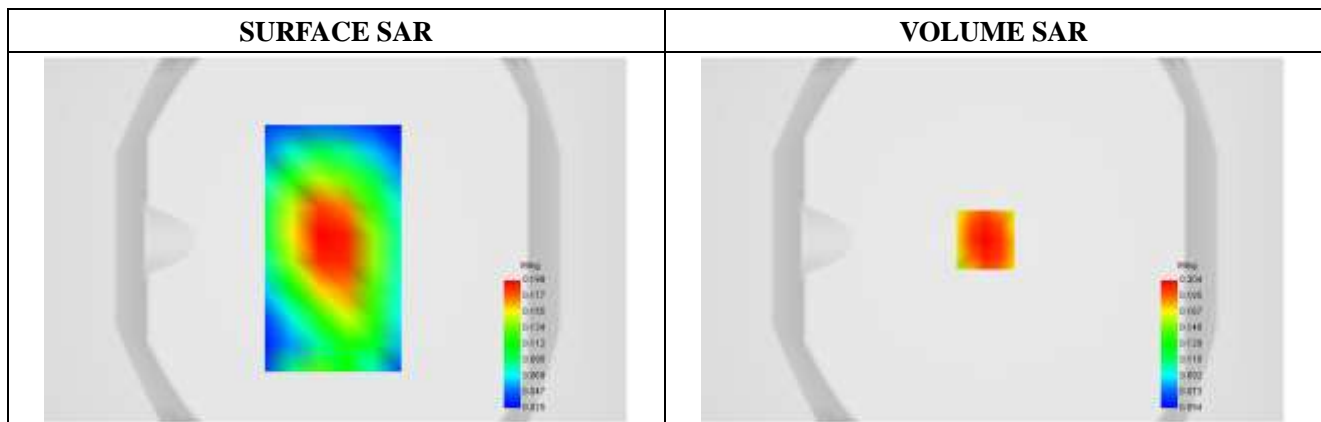
### B. SAR Measurement Results

|  |       |
|--|-------|
| <b>Frequency (MHz)</b>                   | 836.5 |
| <b>Relative permittivity (real part)</b> | 42.08 |
| <b>Conductivity (S/m)</b>                | 0.92  |
| <b>Variation (%)</b>                     | -0.50 |

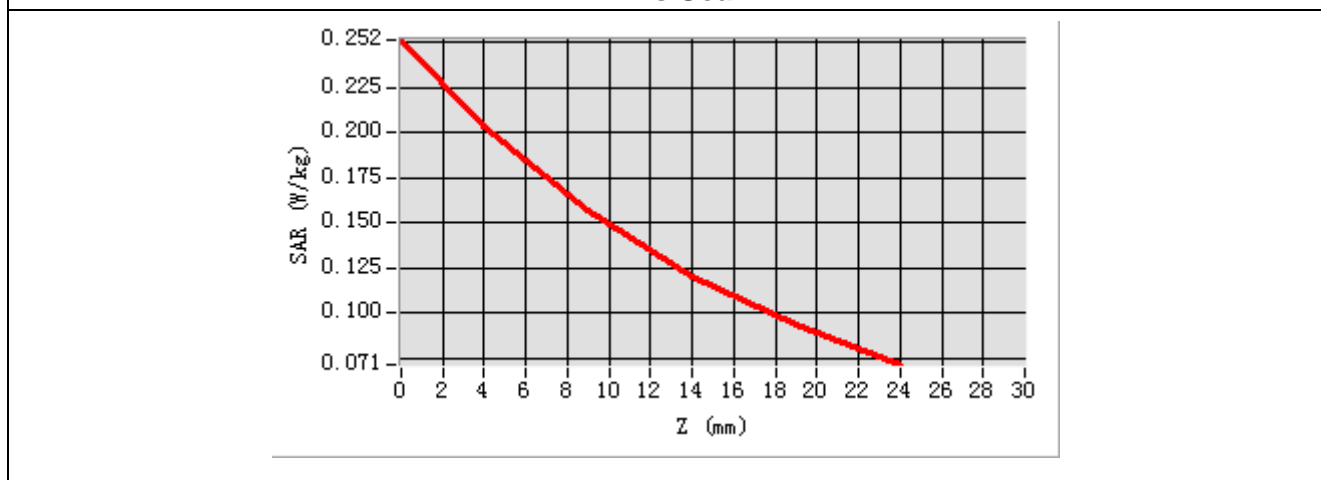
**Maximum location: X=-5.00, Y=0.00**

**SAR Peak: 0.25 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.145425 |
| <b>SAR 1g (W/Kg)</b>  | 0.196599 |



### Z Axis Scan



## Testing result (LTE Band 7 ANT 3, Left Cheek, Middle, 0mm)

Type: phone measurement

Date of measurement: 09/14/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=12mm dy=12mm            |
| <b>Zoom Scan</b>       | 7x7x7,dx=5mm dy=5mm dz=5mm |
| <b>Phantom</b>         | Left Head                  |
| <b>Device Position</b> | Cheek                      |
| <b>Band</b>            | LTE Band 7                 |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | LTE(Crest factor: 1.0)     |

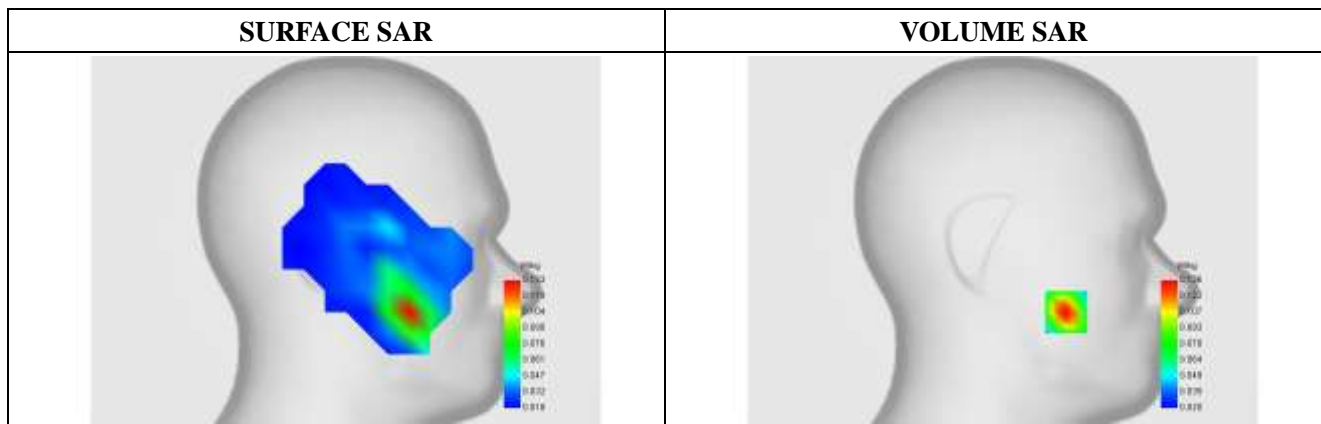
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 2535.0 |
| <b>Relative permittivity (real part)</b> | 38.50  |
| <b>Conductivity (S/m)</b>                | 1.93   |
| <b>Variation (%)</b>                     | 0.14   |

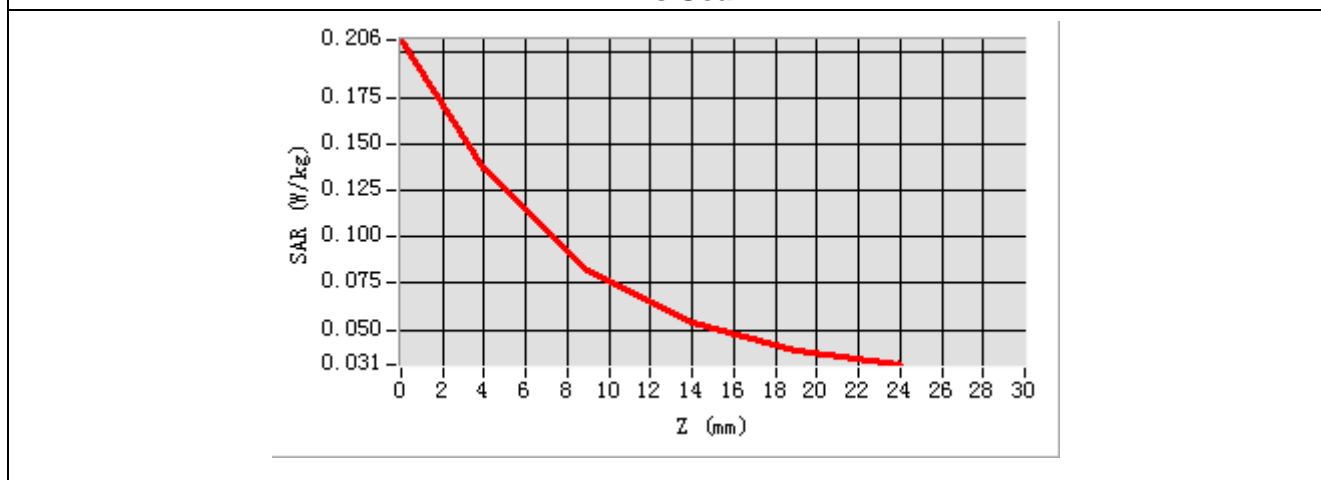
**Maximum location: X=-51.00, Y=-51.00**

**SAR Peak: 0.21 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.073113 |
| <b>SAR 1g (W/Kg)</b>  | 0.125416 |



**Z Axis Scan**



## Testing result (LTE Band 7 ANT 3, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 09/14/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=12mm dy=12mm            |
| <b>Zoom Scan</b>       | 7x7x7,dx=5mm dy=5mm dz=5mm |
| <b>Phantom</b>         | Validation plane           |
| <b>Device Position</b> | Body                       |
| <b>Band</b>            | LTE Band 7                 |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | LTE(Crest factor: 1.0)     |

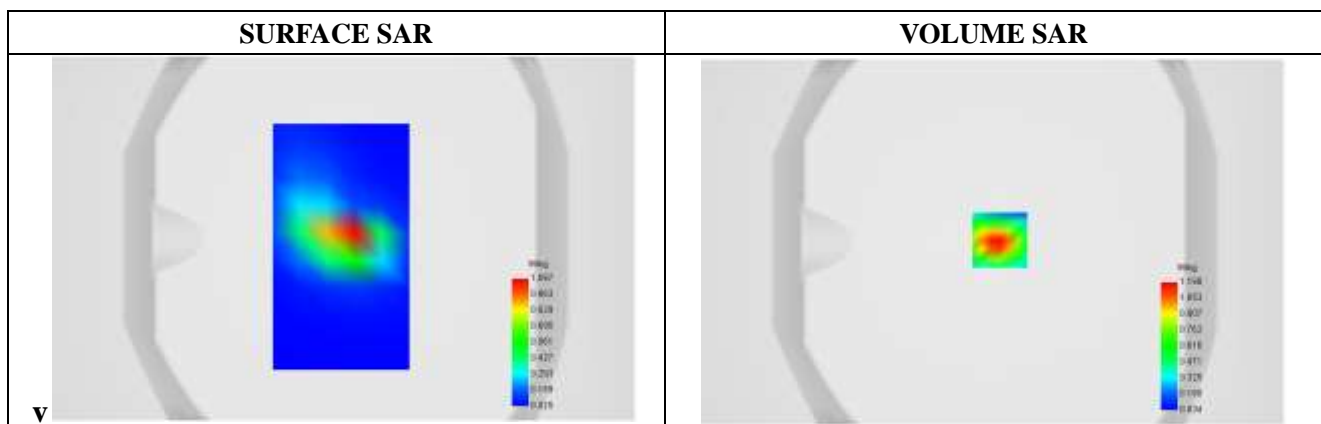
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 2535.0 |
| <b>Relative permittivity (real part)</b> | 38.50  |
| <b>Conductivity (S/m)</b>                | 1.93   |
| <b>Variation (%)</b>                     | -0.83  |

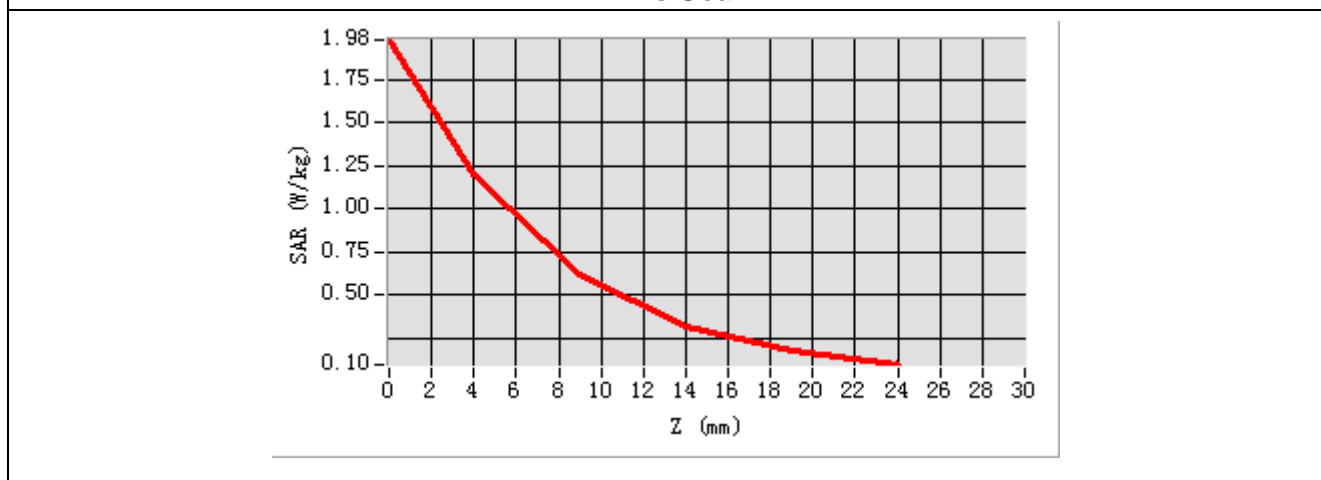
Maximum location: X=3.00, Y=1.00

SAR Peak: 2.00 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.526443 |
| <b>SAR 1g (W/Kg)</b>  | 1.054901 |



### Z Axis Scan



## Testing result (LTE Band 12 ANT 3, Left Cheek, Middle, 0mm)

Type: phone measurement

Date of measurement: 08/29/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Left Head                  |
| <b>Device Position</b> | Cheek                      |
| <b>Band</b>            | LTE Band 12                |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | LTE(Crest factor: 1.0)     |

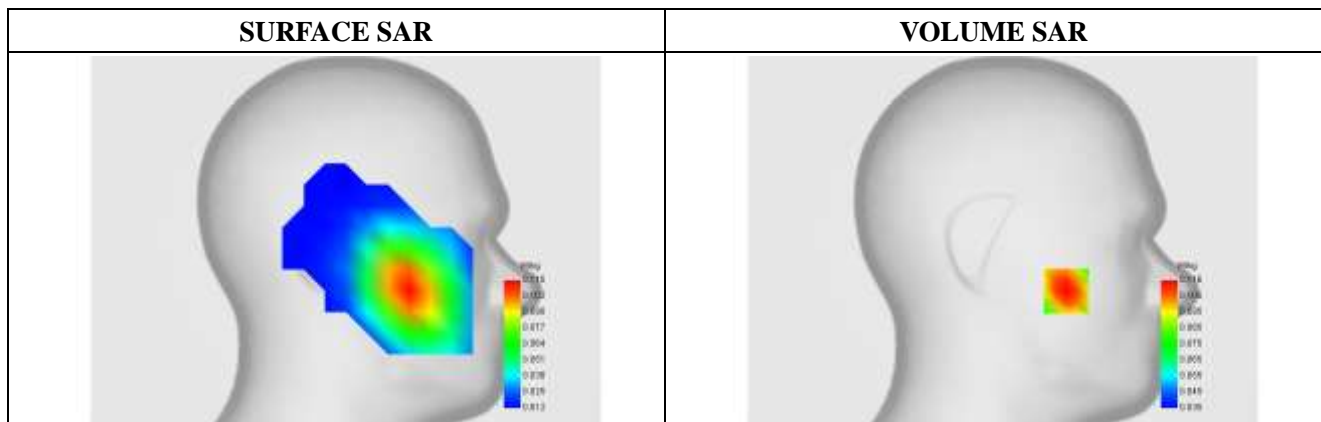
### B. SAR Measurement Results

|  |       |
|--|-------|
| <b>Frequency (MHz)</b>                   | 707.5 |
| <b>Relative permittivity (real part)</b> | 41.49 |
| <b>Conductivity (S/m)</b>                | 0.87  |
| <b>Variation (%)</b>                     | 0.20  |

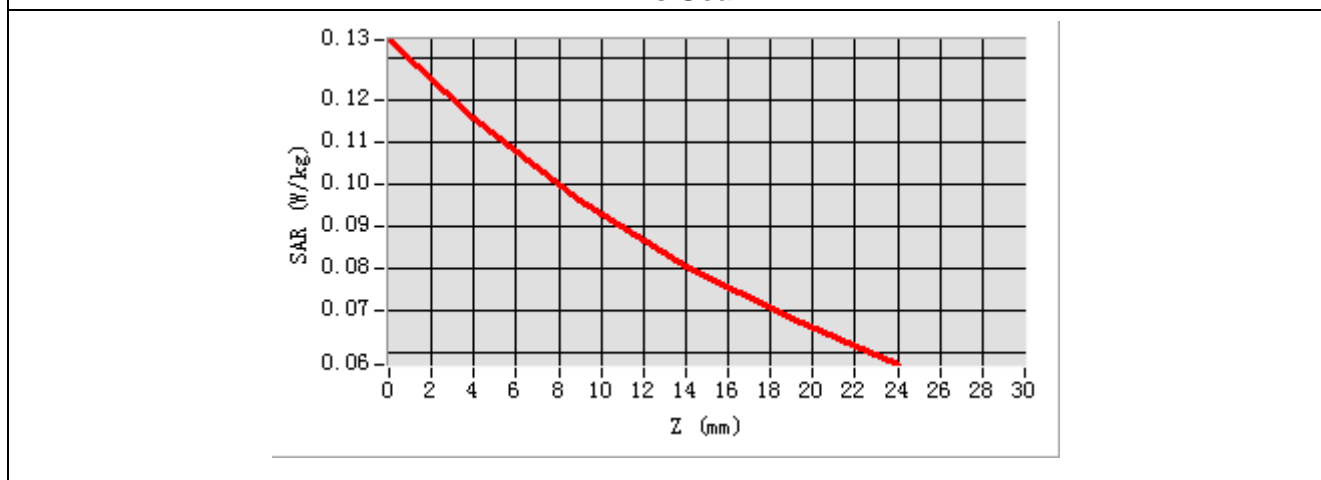
**Maximum location: X=-51.00, Y=-36.00**

**SAR Peak: 0.13 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.089276 |
| <b>SAR 1g (W/Kg)</b>  | 0.114162 |



**Z Axis Scan**



## Testing result (LTE Band 12 ANT 3, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 08/29/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Validation plane           |
| <b>Device Position</b> | Body                       |
| <b>Band</b>            | LTE Band 12                |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | LTE(Crest factor: 1.0)     |

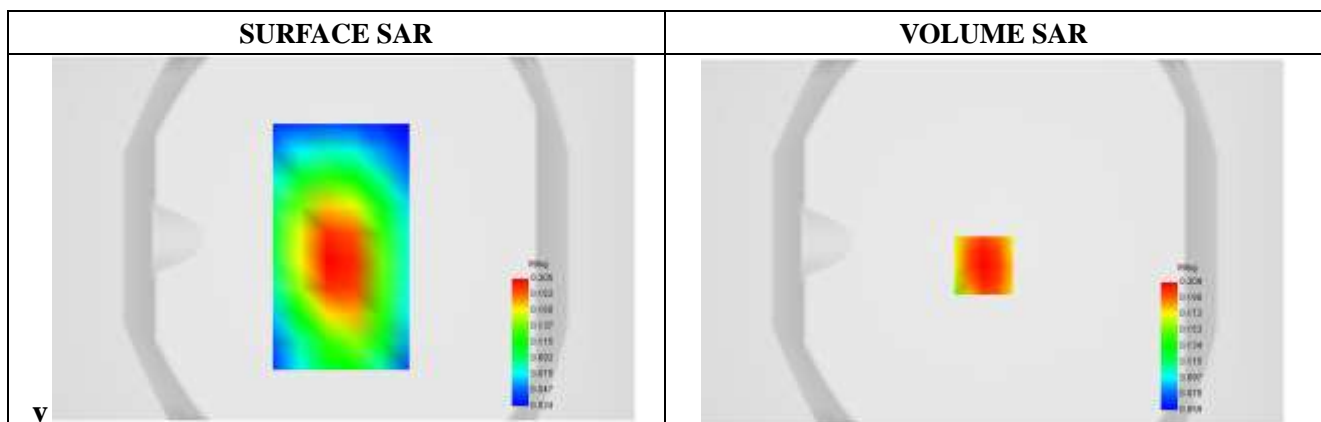
### B. SAR Measurement Results

|  |       |
|--|-------|
| <b>Frequency (MHz)</b>                   | 707.5 |
| <b>Relative permittivity (real part)</b> | 41.49 |
| <b>Conductivity (S/m)</b>                | 0.87  |
| <b>Variation (%)</b>                     | -2.52 |

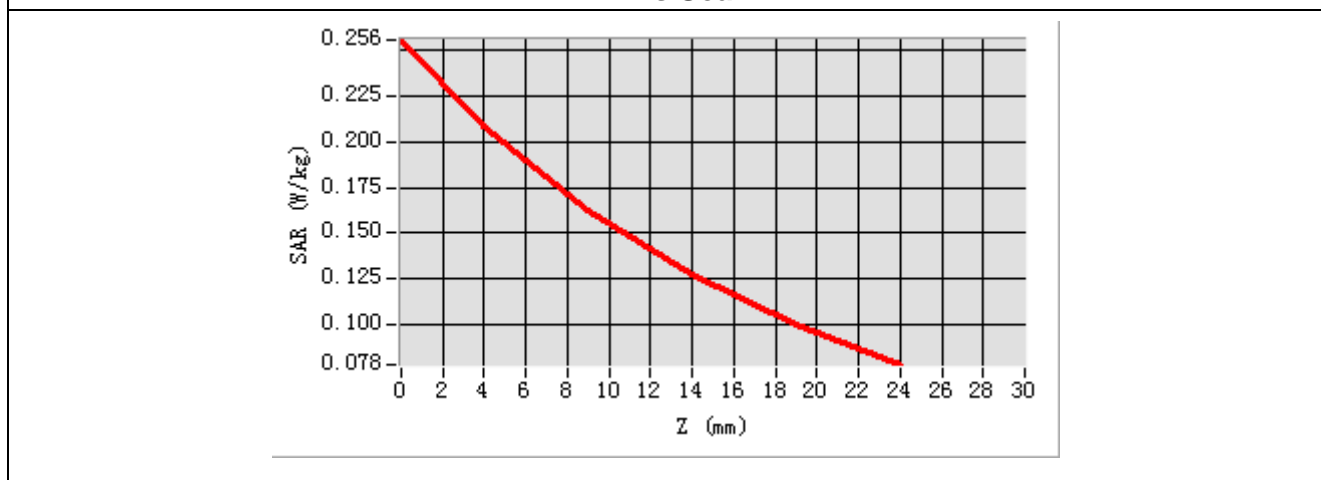
Maximum location: X=-6.00, Y=-13.00

SAR Peak: 0.26 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.153892 |
| <b>SAR 1g (W/Kg)</b>  | 0.206109 |



### Z Axis Scan



## Testing result (LTE Band 13 ANT 3, Left Cheek, Middle. 0mm)

Type: phone measurement

Date of measurement: 08/29/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Left Head                  |
| <b>Device Position</b> | Cheek                      |
| <b>Band</b>            | LTE Band 13                |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | LTE(Crest factor: 1.0)     |

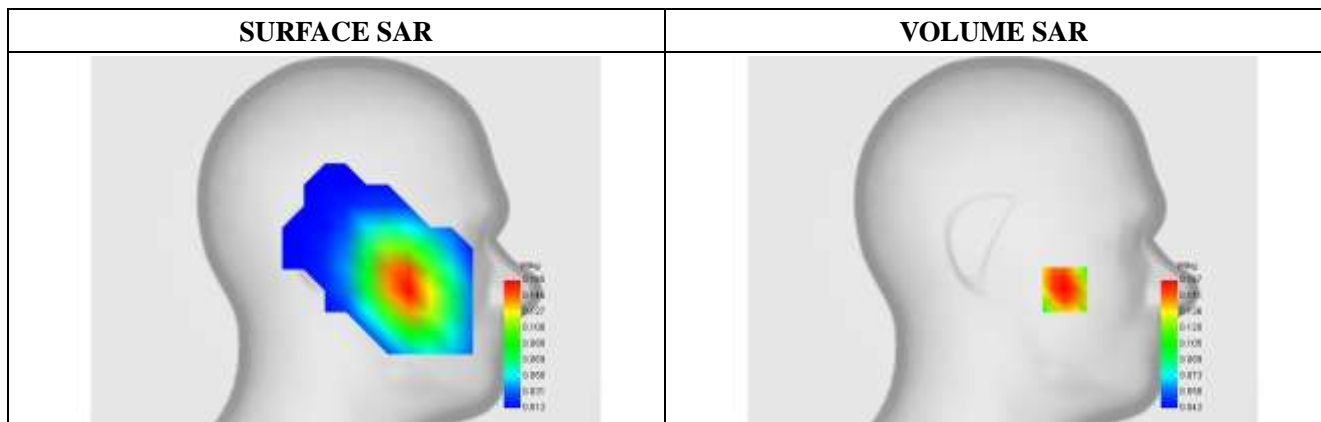
### B. SAR Measurement Results

|  |       |
|--|-------|
| <b>Frequency (MHz)</b>                   | 782.0 |
| <b>Relative permittivity (real part)</b> | 41.36 |
| <b>Conductivity (S/m)</b>                | 0.91  |
| <b>Variation (%)</b>                     | -1.95 |

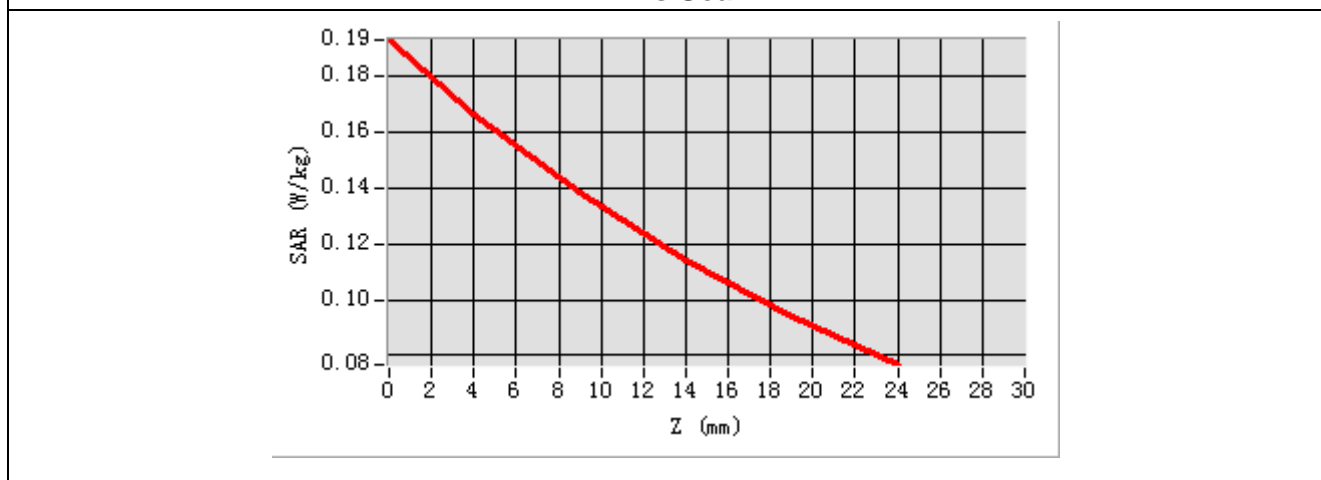
**Maximum location: X=-50.00, Y=-35.00**

**SAR Peak: 0.19 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.124724 |
| <b>SAR 1g (W/Kg)</b>  | 0.161416 |



**Z Axis Scan**



## Testing result (LTE Band 13 ANT 3, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 08/29/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Validation plane           |
| <b>Device Position</b> | Body                       |
| <b>Band</b>            | LTE Band 13                |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | LTE(Crest factor: 1.0)     |

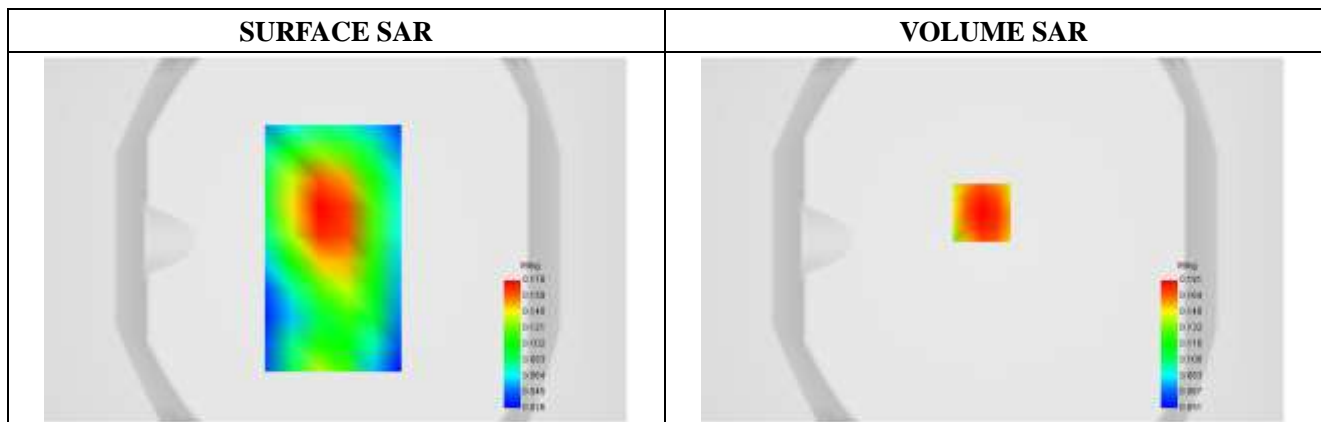
### B. SAR Measurement Results

|  |       |
|--|-------|
| <b>Frequency (MHz)</b>                   | 782.0 |
| <b>Relative permittivity (real part)</b> | 41.36 |
| <b>Conductivity (S/m)</b>                | 0.91  |
| <b>Variation (%)</b>                     | 0.58  |

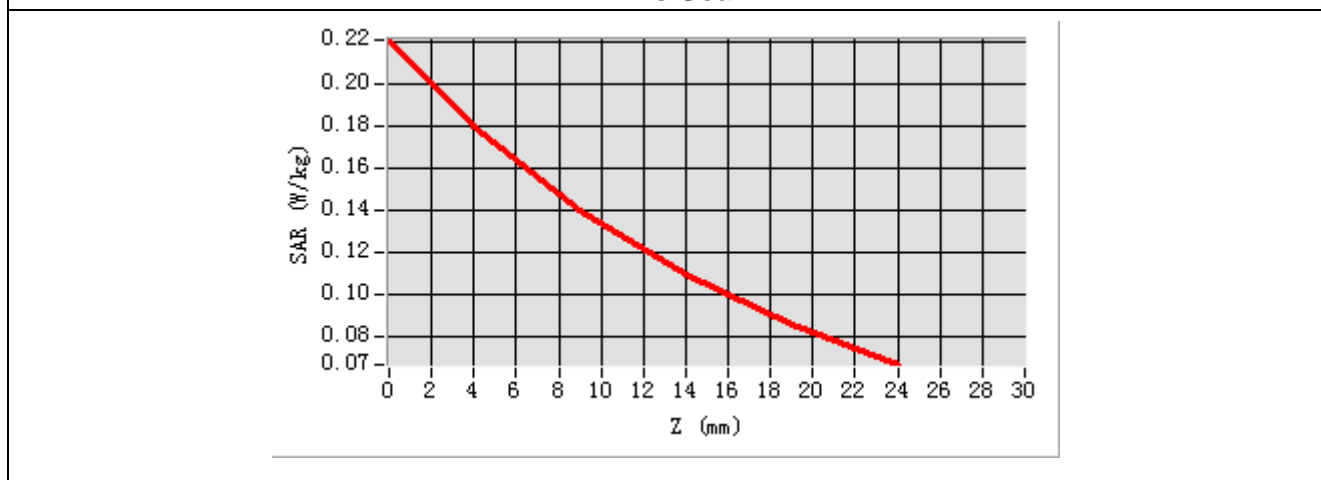
Maximum location: X=-7.00, Y=15.00

SAR Peak: 0.22 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.130287 |
| <b>SAR 1g (W/Kg)</b>  | 0.174522 |



### Z Axis Scan





## Testing result (LTE Band 17 ANT 3, Left Cheek, Middle. 0mm)

Type: phone measurement

Date of measurement: 08/29/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Left Head                  |
| <b>Device Position</b> | Cheek                      |
| <b>Band</b>            | LTE Band 17                |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | LTE(Crest factor: 0.633)   |

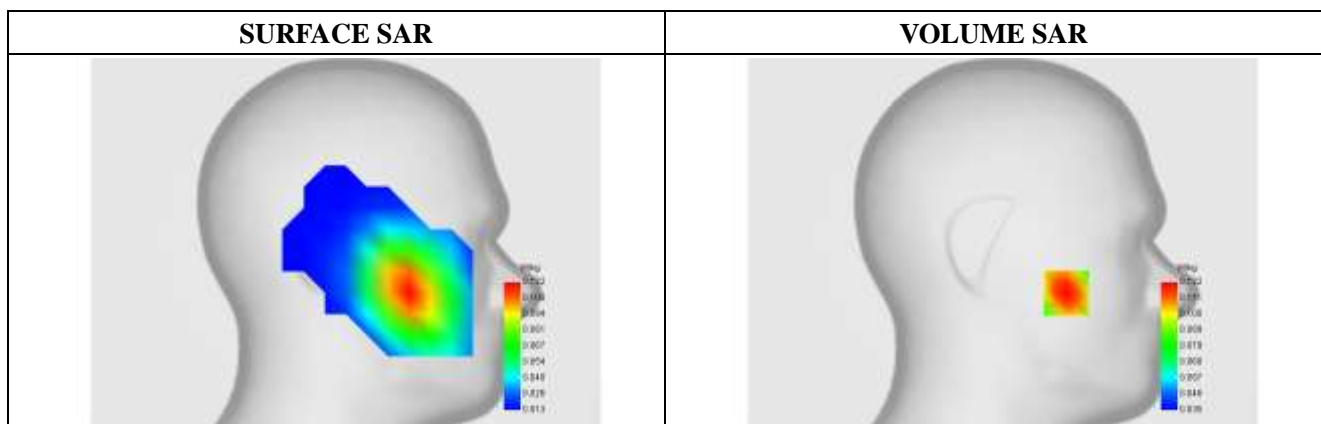
### B. SAR Measurement Results

|  |       |
|--|-------|
| <b>Frequency (MHz)</b>                   | 710.0 |
| <b>Relative permittivity (real part)</b> | 41.48 |
| <b>Conductivity (S/m)</b>                | 0.87  |
| <b>Variation (%)</b>                     | -0.19 |

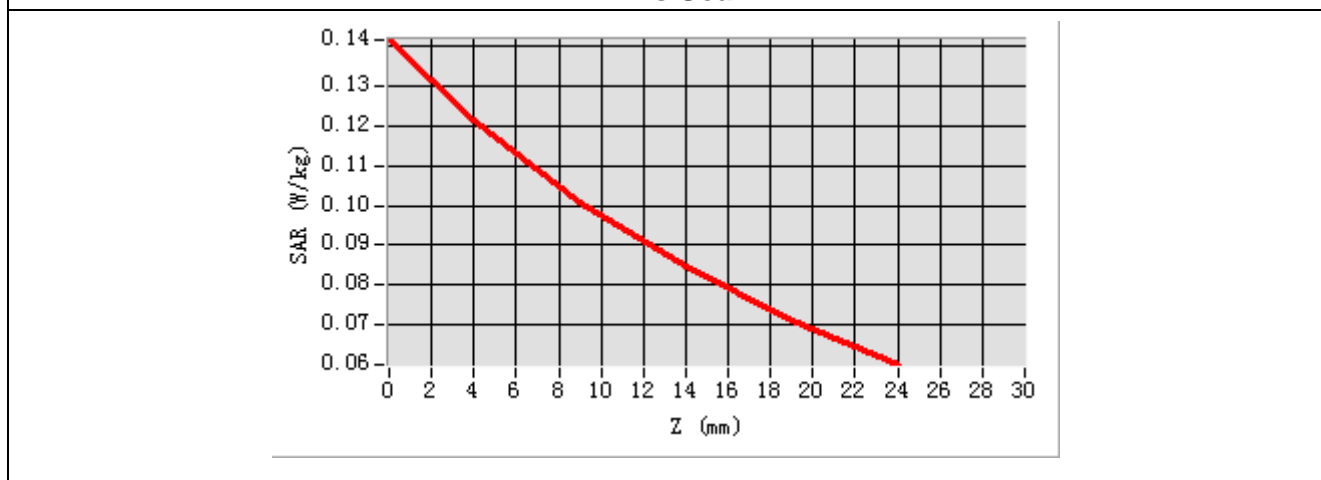
**Maximum location: X=-51.00, Y=-36.00**

**SAR Peak: 0.14 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.093575 |
| <b>SAR 1g (W/Kg)</b>  | 0.119964 |



### Z Axis Scan



## Testing result (LTE Band 17 ANT 3, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 08/29/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=15mm dy=15mm            |
| <b>Zoom Scan</b>       | 5x5x7,dx=8mm dy=8mm dz=5mm |
| <b>Phantom</b>         | Validation plane           |
| <b>Device Position</b> | Body                       |
| <b>Band</b>            | LTE Band 17                |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | LTE(Crest factor: 0.633)   |

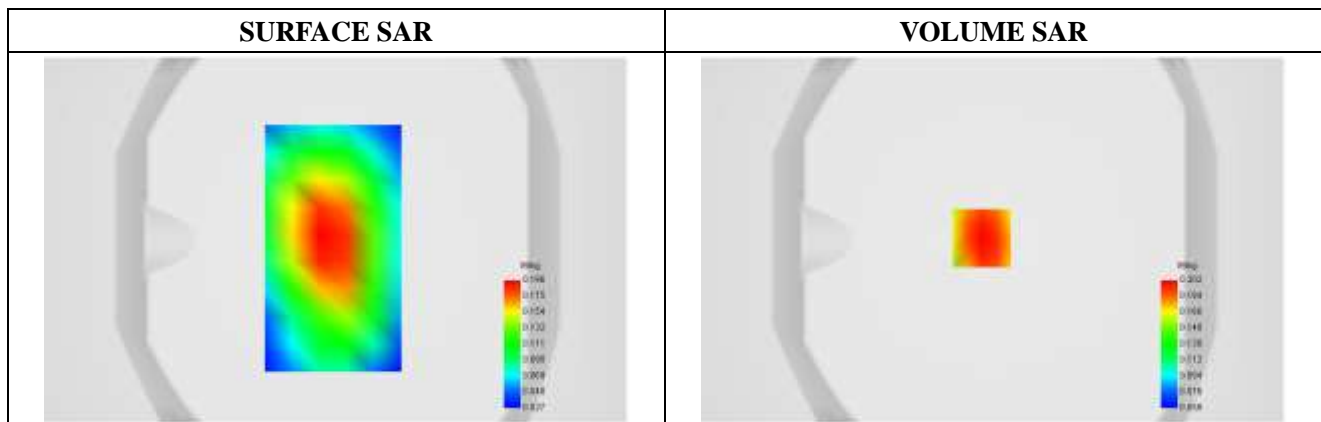
### B. SAR Measurement Results

|  |       |
|--|-------|
| <b>Frequency (MHz)</b>                   | 710.0 |
| <b>Relative permittivity (real part)</b> | 41.48 |
| <b>Conductivity (S/m)</b>                | 0.87  |
| <b>Variation (%)</b>                     | -2.42 |

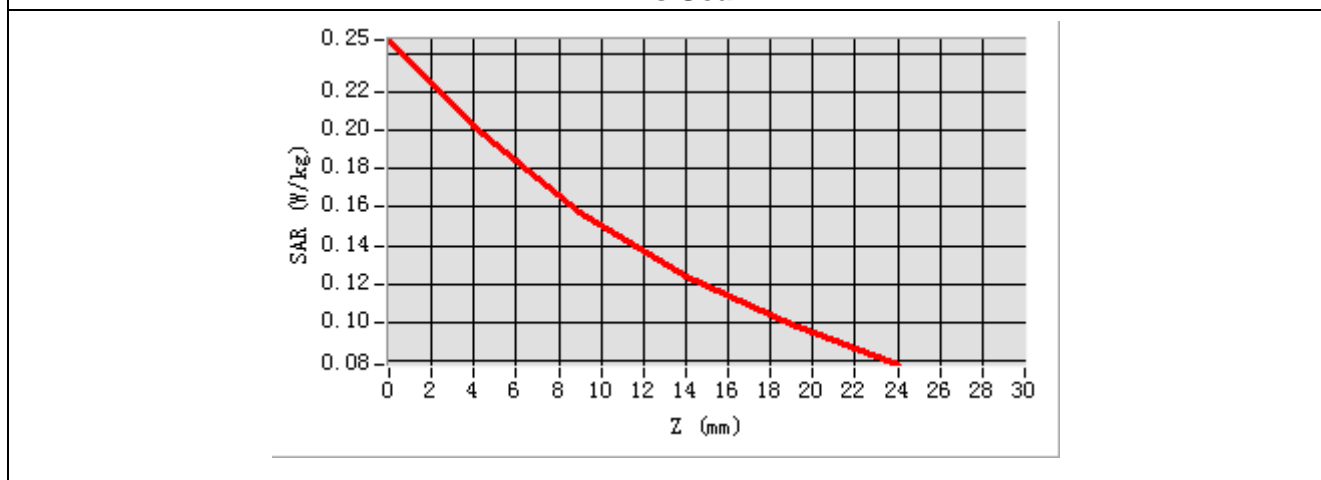
**Maximum location: X=-7.00, Y=1.00**

**SAR Peak: 0.25 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.149124 |
| <b>SAR 1g (W/Kg)</b>  | 0.198748 |



### Z Axis Scan



## Testing result (LTE Band 38 ANT 3, Left Cheek, Middle. 0mm)

Type: phone measurement

Date of measurement: 09/14/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=12mm dy=12mm            |
| <b>Zoom Scan</b>       | 7x7x7,dx=5mm dy=5mm dz=5mm |
| <b>Phantom</b>         | Left Head                  |
| <b>Device Position</b> | Cheek                      |
| <b>Band</b>            | LTE Band 38                |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | LTE(Crest factor: 0.633)   |

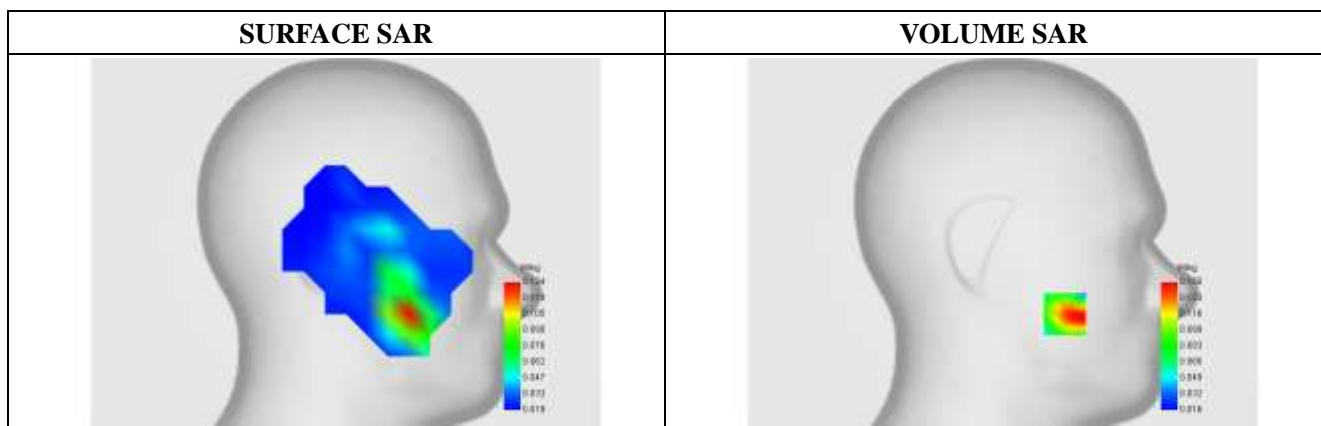
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 2595.0 |
| <b>Relative permittivity (real part)</b> | 38.34  |
| <b>Conductivity (S/m)</b>                | 1.99   |
| <b>Variation (%)</b>                     | -2.14  |

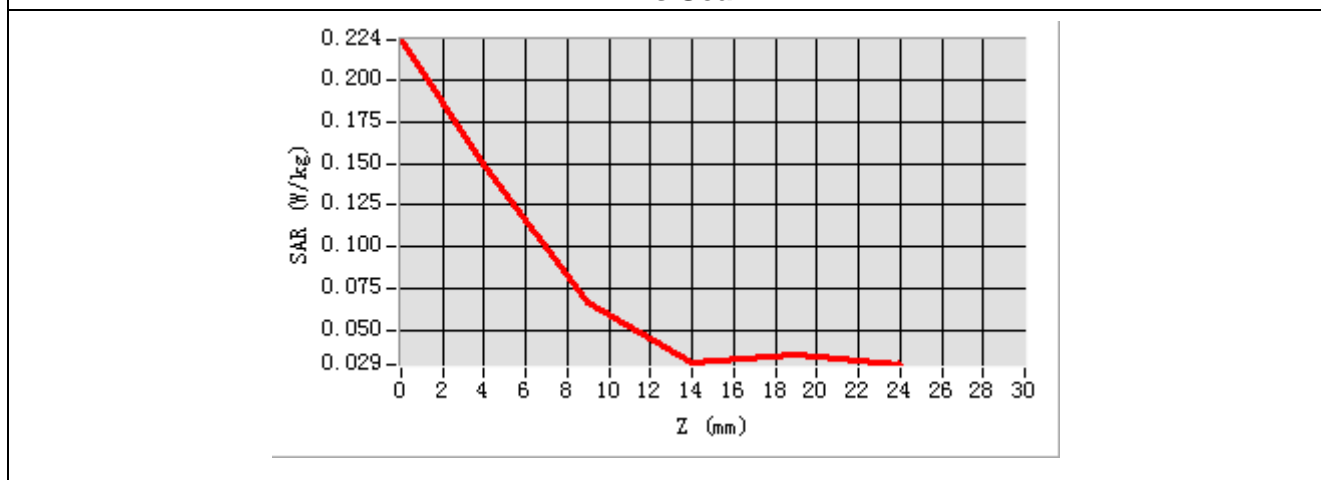
**Maximum location: X=-50.00, Y=-51.00**

**SAR Peak: 0.35 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.081492 |
| <b>SAR 1g (W/Kg)</b>  | 0.150759 |



### Z Axis Scan



## Testing result (LTE Band 38 ANT 3, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 09/14/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=12mm dy=12mm            |
| <b>Zoom Scan</b>       | 7x7x7,dx=5mm dy=5mm dz=5mm |
| <b>Phantom</b>         | Validation plane           |
| <b>Device Position</b> | Body                       |
| <b>Band</b>            | LTE Band 38                |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | LTE(Crest factor: 0.633)   |

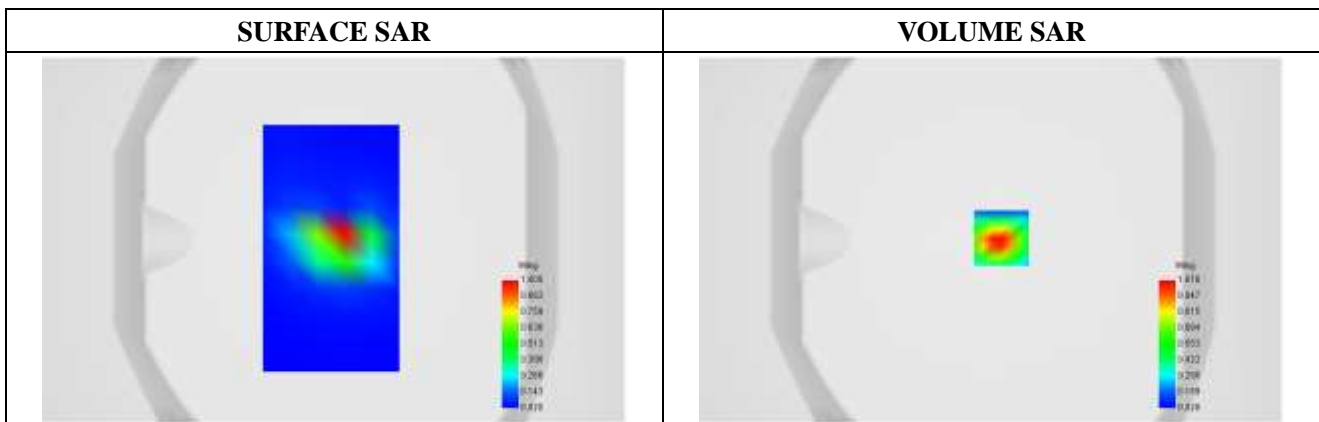
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 2595.0 |
| <b>Relative permittivity (real part)</b> | 38.34  |
| <b>Conductivity (S/m)</b>                | 1.99   |
| <b>Variation (%)</b>                     | -1.09  |

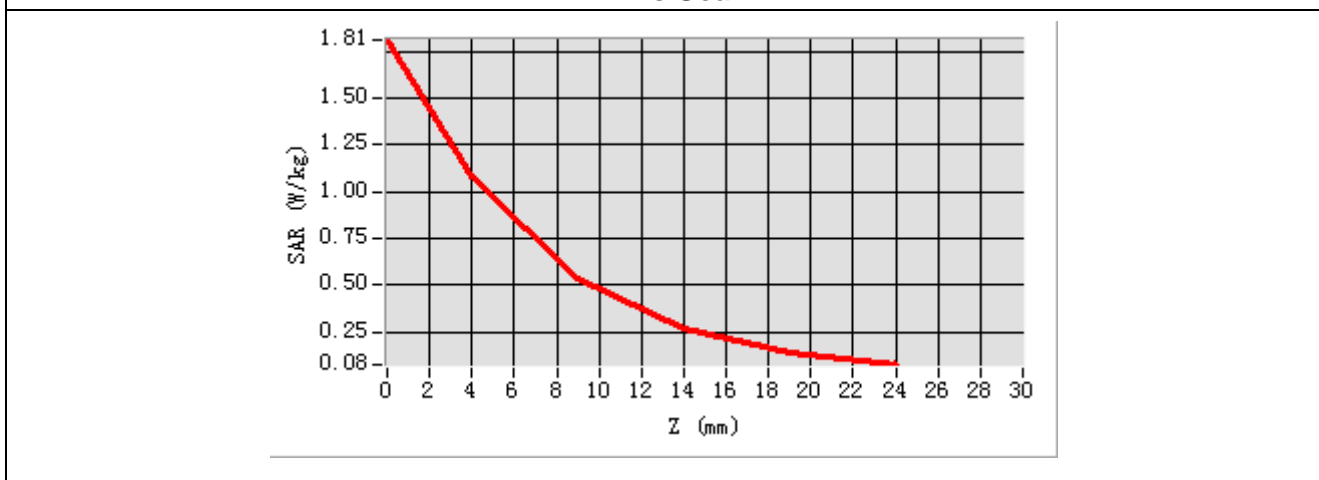
**Maximum location: X=5.00, Y=1.00**

**SAR Peak: 1.84 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.460113 |
| <b>SAR 1g (W/Kg)</b>  | 0.975413 |



### Z Axis Scan



## Testing result (LTE Band 41 ANT 3, Left Cheek, Middle. 0mm)

Type: phone measurement

Date of measurement: 09/14/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=12mm dy=12mm            |
| <b>Zoom Scan</b>       | 7x7x7,dx=5mm dy=5mm dz=5mm |
| <b>Phantom</b>         | Left Head                  |
| <b>Device Position</b> | Cheek                      |
| <b>Band</b>            | LTE Band 41                |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | LTE(Crest factor: 0.633)   |

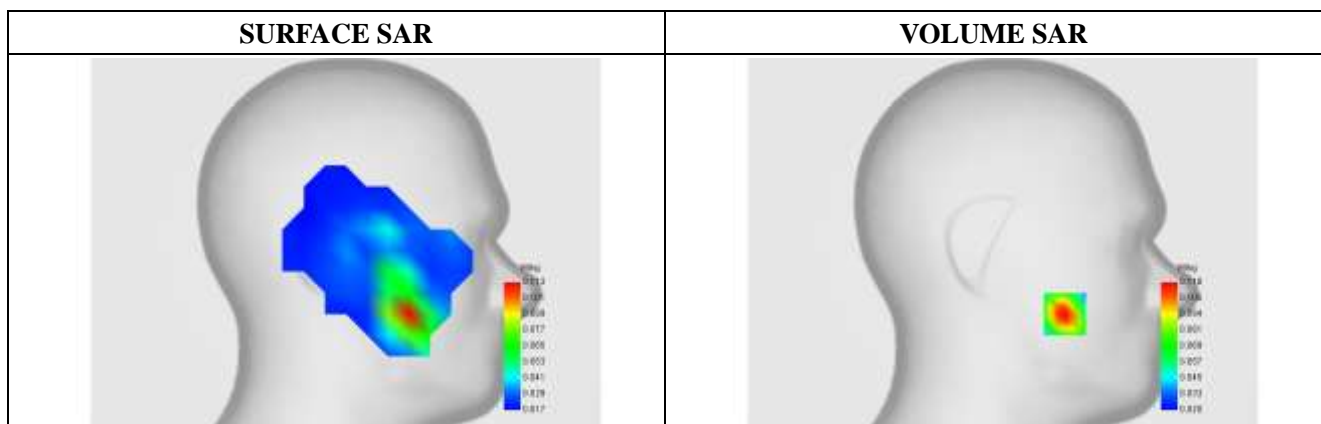
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 2593.0 |
| <b>Relative permittivity (real part)</b> | 38.34  |
| <b>Conductivity (S/m)</b>                | 1.99   |
| <b>Variation (%)</b>                     | -0.73  |

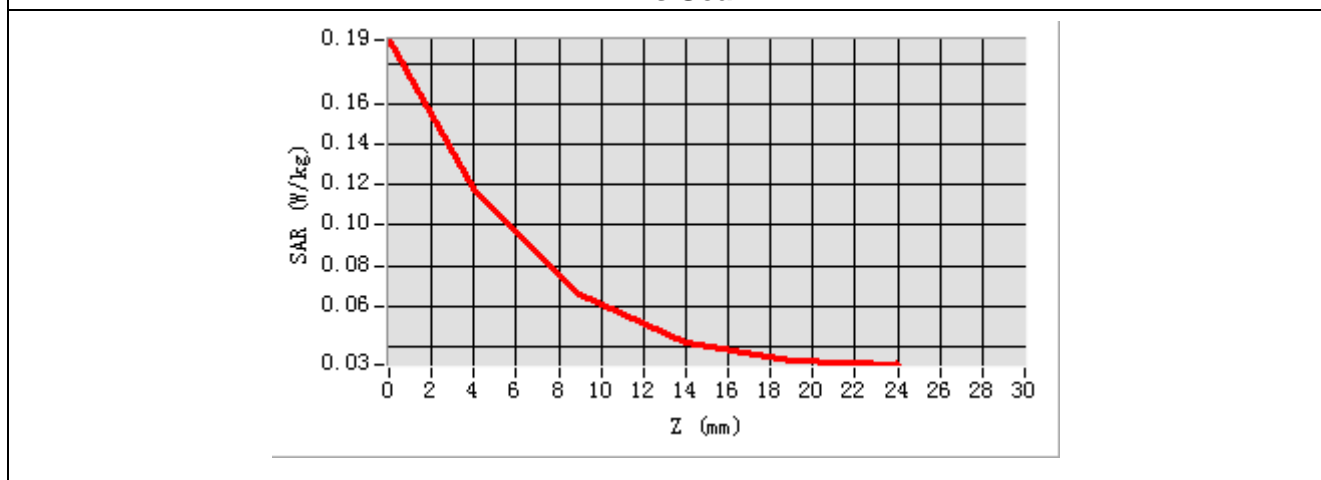
**Maximum location: X=-50.00, Y=-51.00**

**SAR Peak: 0.19 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.064223 |
| <b>SAR 1g (W/Kg)</b>  | 0.109878 |



### Z Axis Scan



## Testing result (LTE Band 41 ANT 3, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 09/14/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=12mm dy=12mm            |
| <b>Zoom Scan</b>       | 7x7x7,dx=5mm dy=5mm dz=5mm |
| <b>Phantom</b>         | Validation plane           |
| <b>Device Position</b> | Body                       |
| <b>Band</b>            | LTE Band 41                |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | LTE(Crest factor: 0.633)   |

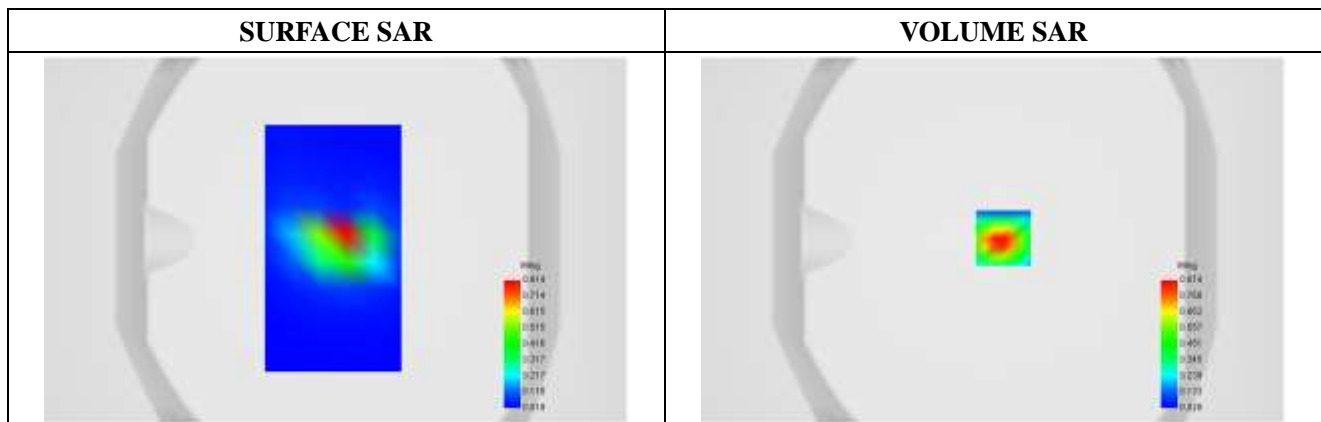
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 2593.0 |
| <b>Relative permittivity (real part)</b> | 38.34  |
| <b>Conductivity (S/m)</b>                | 1.99   |
| <b>Variation (%)</b>                     | -0.10  |

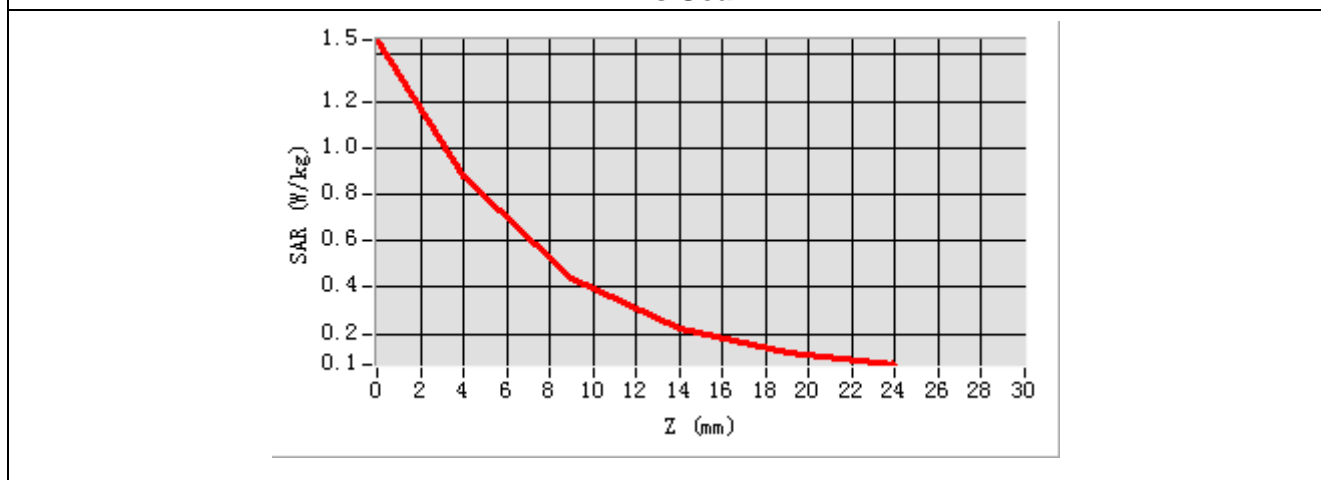
**Maximum location: X=5.00, Y=1.00**

**SAR Peak: 1.49 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.375746 |
| <b>SAR 1g (W/Kg)</b>  | 0.791009 |



### Z Axis Scan



## Testing result (WI-FI 2.4G 802.11b ANT 2, Right Cheek, Middle, 0mm)

Type: phone measurement

Date of measurement: 09/10/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=12mm dy=12mm            |
| <b>Zoom Scan</b>       | 7x7x7,dx=5mm dy=5mm dz=5mm |
| <b>Phantom</b>         | Right Head                 |
| <b>Device Position</b> | Cheek                      |
| <b>Band</b>            | WI-FI 802.11b              |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | DSSS(Crest factor: 1.0)    |

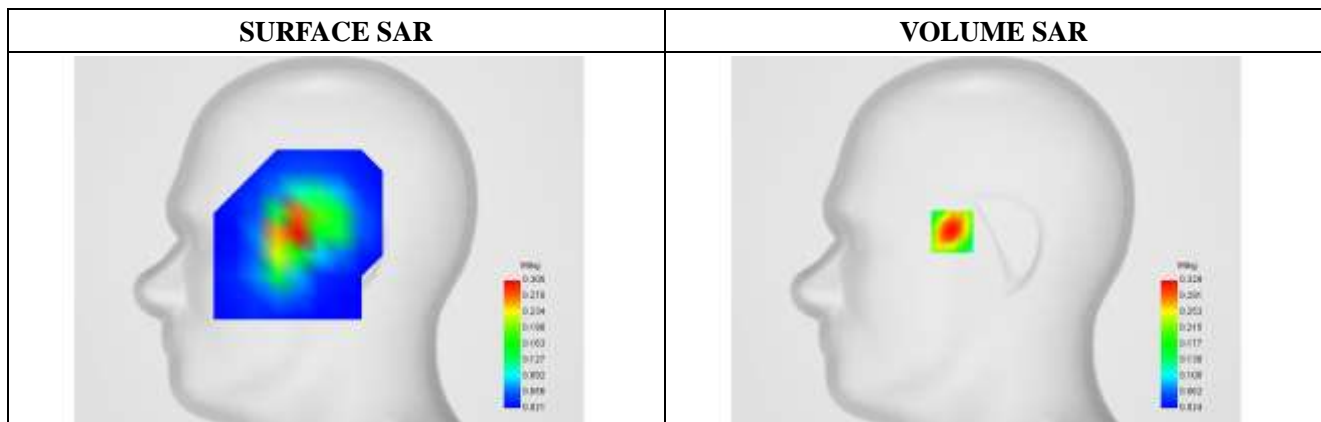
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 2437.0 |
| <b>Relative permittivity (real part)</b> | 38.13  |
| <b>Conductivity (S/m)</b>                | 1.79   |
| <b>Variation (%)</b>                     | -2.60  |

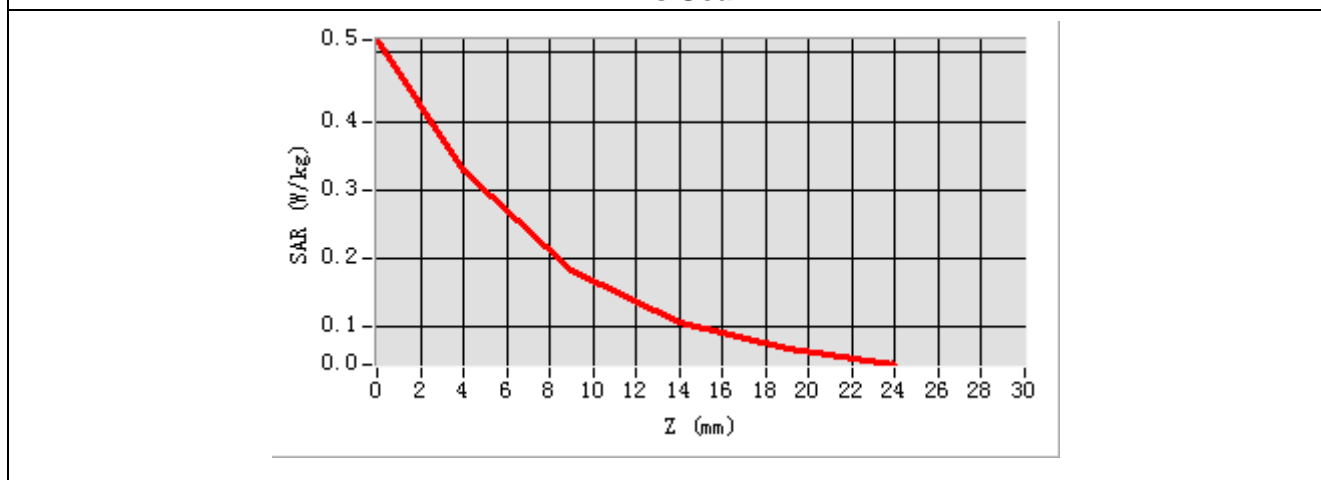
Maximum location: X=-30.00, Y=6.00

SAR Peak: 0.52 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.169617 |
| <b>SAR 1g (W/Kg)</b>  | 0.305067 |



### Z Axis Scan



## Testing result (WI-FI 2.4G 802.11b ANT 2, Front, Middle, 10mm)

Type: phone measurement

Date of measurement: 09/10/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=12mm dy=12mm            |
| <b>Zoom Scan</b>       | 7x7x7,dx=5mm dy=5mm dz=5mm |
| <b>Phantom</b>         | Validation plane           |
| <b>Device Position</b> | Body                       |
| <b>Band</b>            | WI-FI 802.11b              |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | DSSS(Crest factor: 1.0)    |

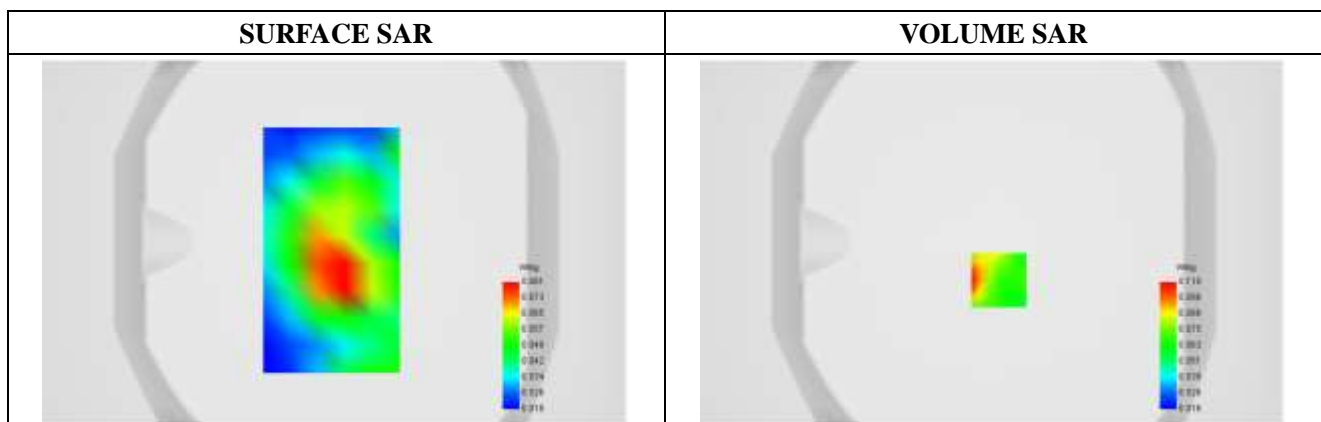
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 2437.0 |
| <b>Relative permittivity (real part)</b> | 38.13  |
| <b>Conductivity (S/m)</b>                | 1.79   |
| <b>Variation (%)</b>                     | -2.28  |

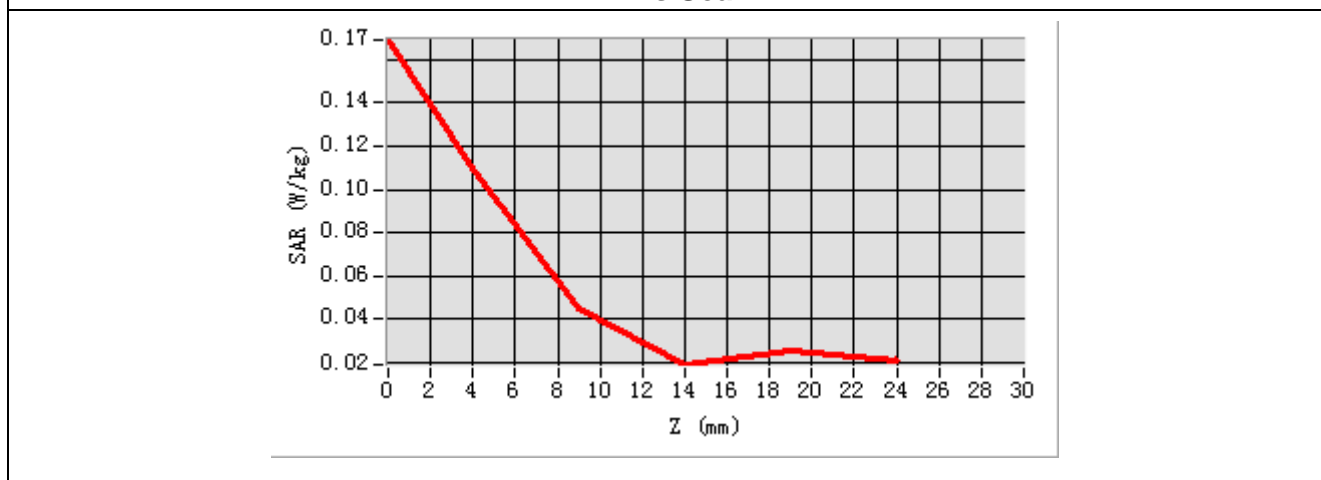
Maximum location: X=3.00, Y=-21.00

SAR Peak: 0.23 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.055303 |
| <b>SAR 1g (W/Kg)</b>  | 0.090951 |



### Z Axis Scan





## Testing result (WI-FI 2.4G 802.11b ANT 2, Left, Middle, 10mm)

Type: phone measurement

Date of measurement: 09/10/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=12mm dy=12mm            |
| <b>Zoom Scan</b>       | 7x7x7,dx=5mm dy=5mm dz=5mm |
| <b>Phantom</b>         | Validation plane           |
| <b>Device Position</b> | Body                       |
| <b>Band</b>            | WI-FI 802.11b              |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | DSSS(Crest factor: 1.0)    |

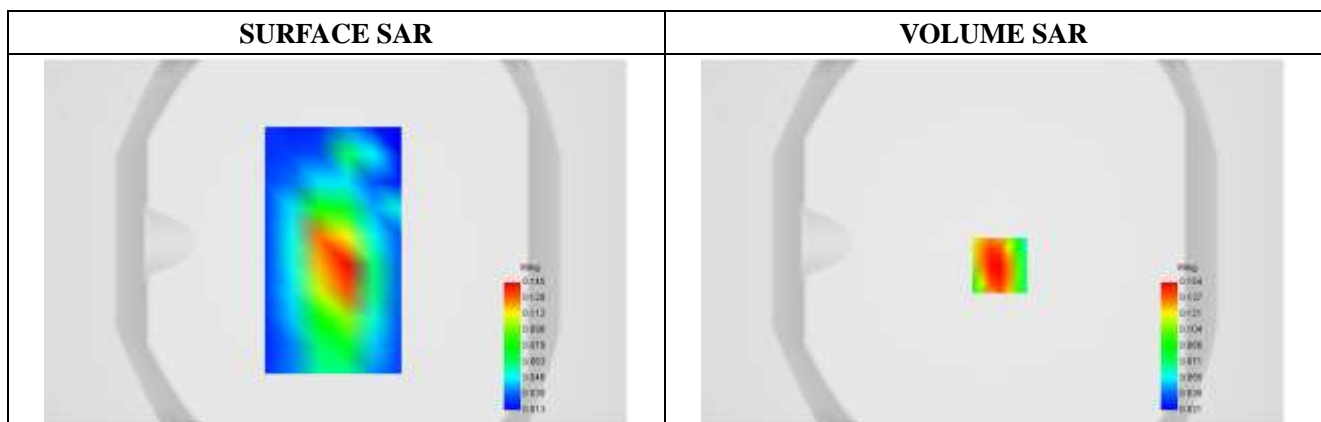
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 2437.0 |
| <b>Relative permittivity (real part)</b> | 38.13  |
| <b>Conductivity (S/m)</b>                | 1.79   |
| <b>Variation (%)</b>                     | -0.66  |

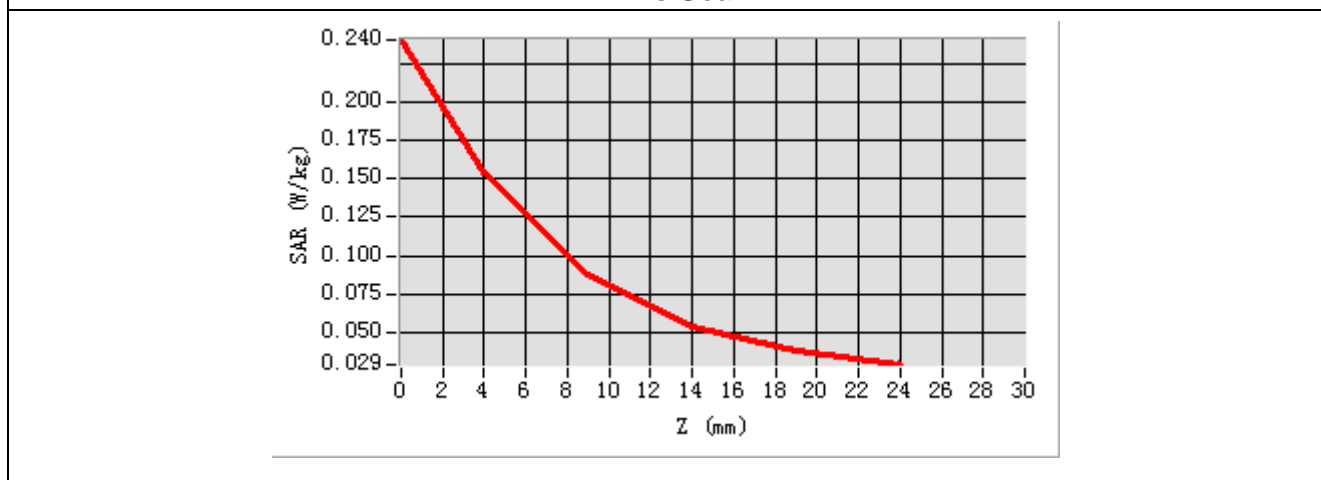
Maximum location: X=3.00, Y=-13.00

SAR Peak: 0.24 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.086128 |
| <b>SAR 1g (W/Kg)</b>  | 0.146287 |



### Z Axis Scan



## Testing result (WI-FI U-NII 1 802.11a ANT 2, Right Tilted, Middle, 0mm)

Type: phone measurement

Date of measurement: 09/15/2023

### A. Experimental conditions.

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

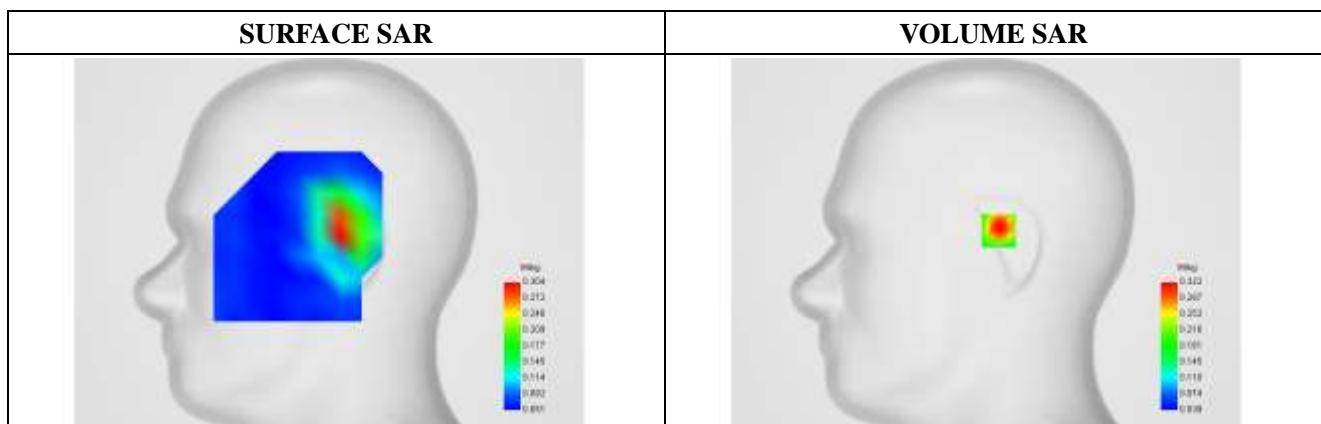
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 5220.0 |
| <b>Relative permittivity (real part)</b> | 36.64  |
| <b>Conductivity (S/m)</b>                | 4.18   |
| <b>Variation (%)</b>                     | -2.63  |

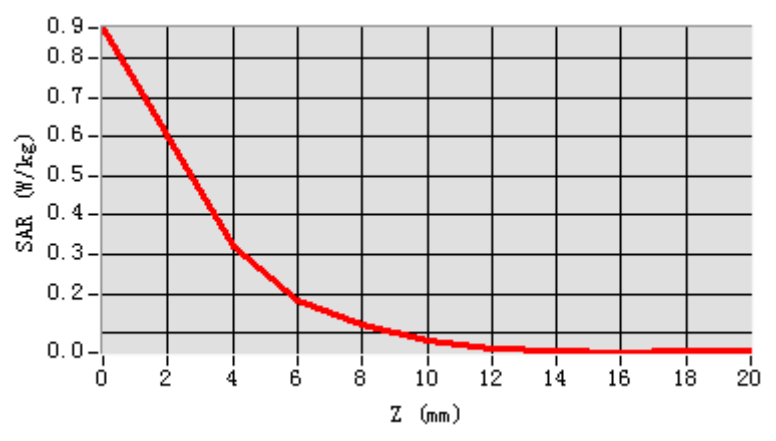
Maximum location: X=3.00, Y=8.00

SAR Peak: 0.79 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.153425 |
| <b>SAR 1g (W/Kg)</b>  | 0.320378 |



### Z Axis Scan



## Testing result (WI-FI U-NII 1 802.11a ANT 2, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 09/15/2023

### A. Experimental conditions.

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

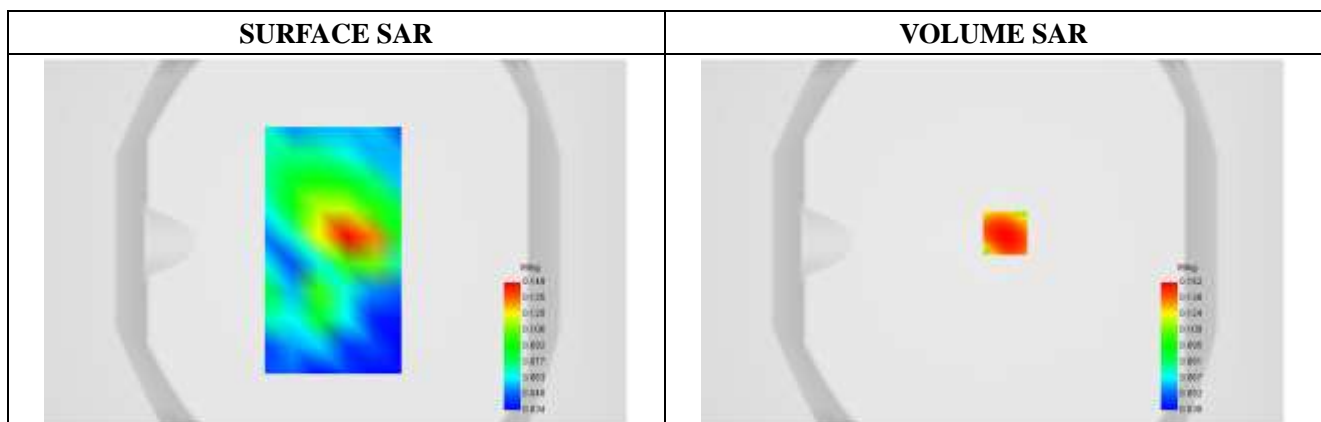
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 5220.0 |
| <b>Relative permittivity (real part)</b> | 36.64  |
| <b>Conductivity (S/m)</b>                | 4.18   |
| <b>Variation (%)</b>                     | 1.17   |

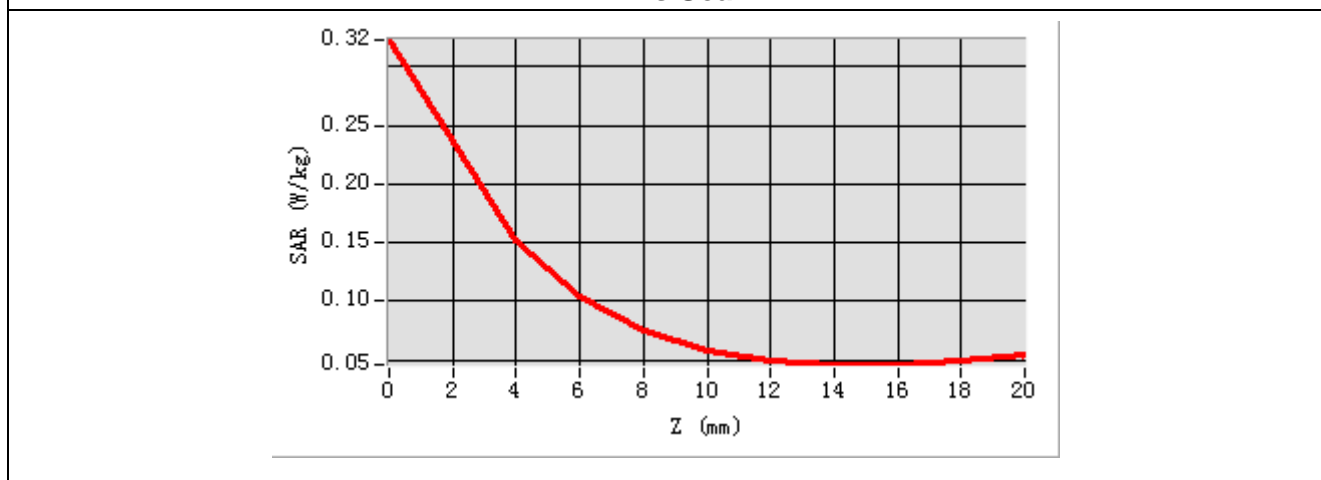
**Maximum location: X=6.00, Y=5.00**

**SAR Peak: 0.32 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.091130 |
| <b>SAR 1g (W/Kg)</b>  | 0.152086 |



### Z Axis Scan



## Testing result (WI-FI U-NII 2a 802.11a ANT 2, Right Tilted, Middle, 0mm)

Type: phone measurement

Date of measurement: 09/15/2023

### A. Experimental conditions.

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

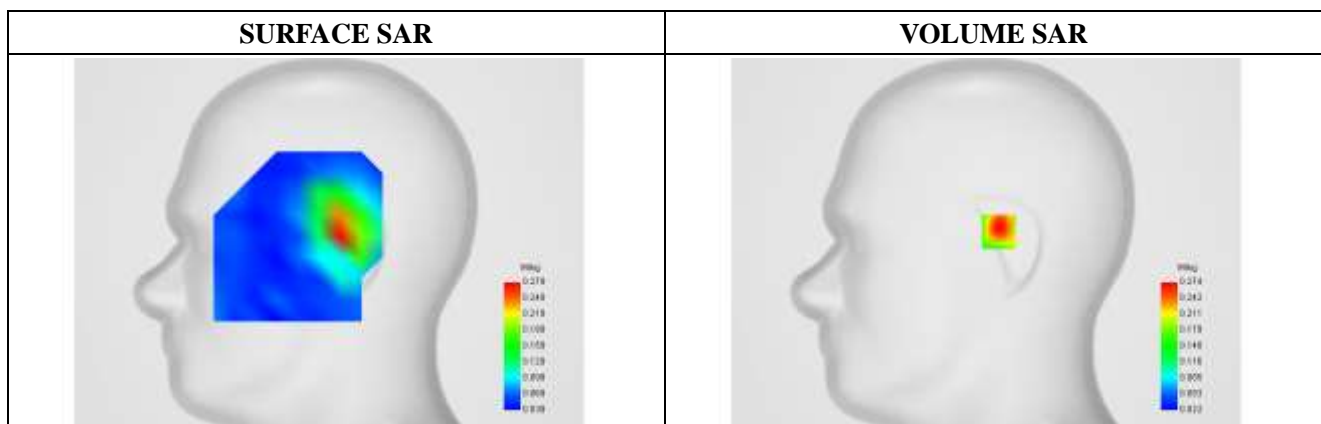
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 5280.0 |
| <b>Relative permittivity (real part)</b> | 36.55  |
| <b>Conductivity (S/m)</b>                | 4.32   |
| <b>Variation (%)</b>                     | -0.28  |

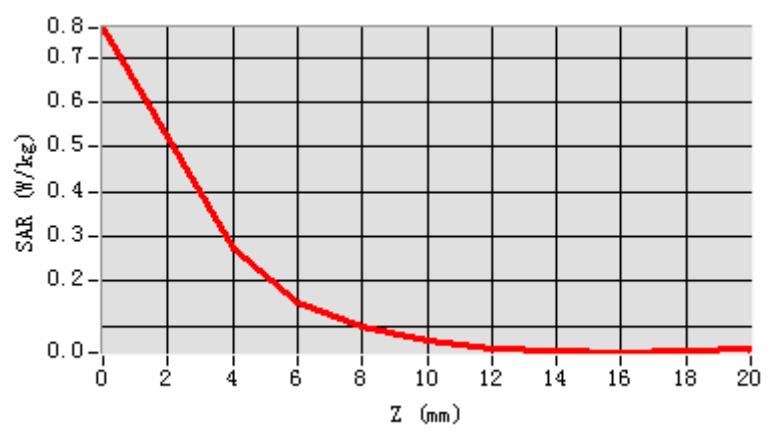
Maximum location: X=3.00, Y=7.00

SAR Peak: 0.69 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.133995 |
| <b>SAR 1g (W/Kg)</b>  | 0.275913 |



### Z Axis Scan



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

Type: phone measurement

Date of measurement: 09/15/2023

### A. Experimental conditions.

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

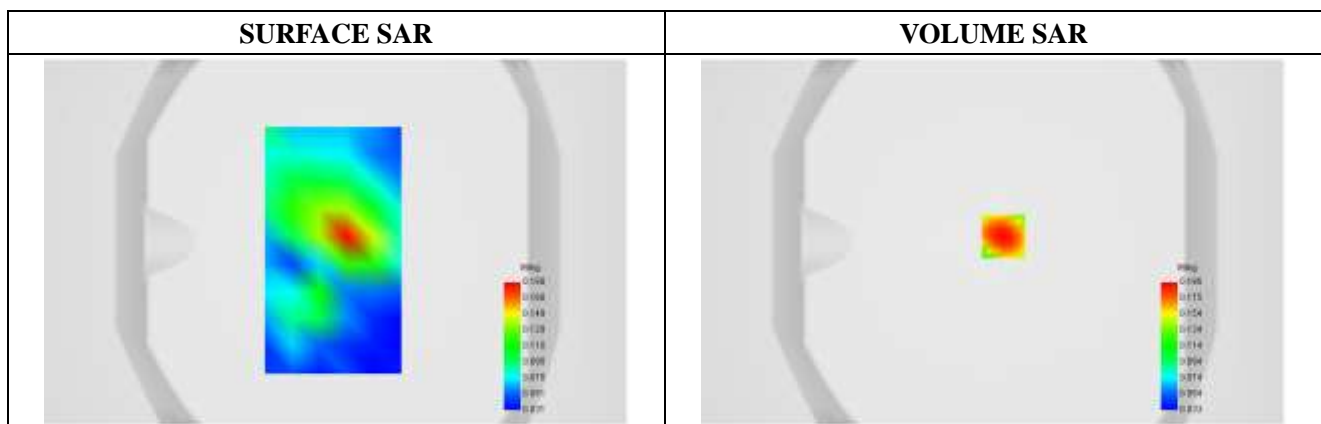
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 5280.0 |
| <b>Relative permittivity (real part)</b> | 36.55  |
| <b>Conductivity (S/m)</b>                | 4.32   |
| <b>Variation (%)</b>                     | -1.38  |

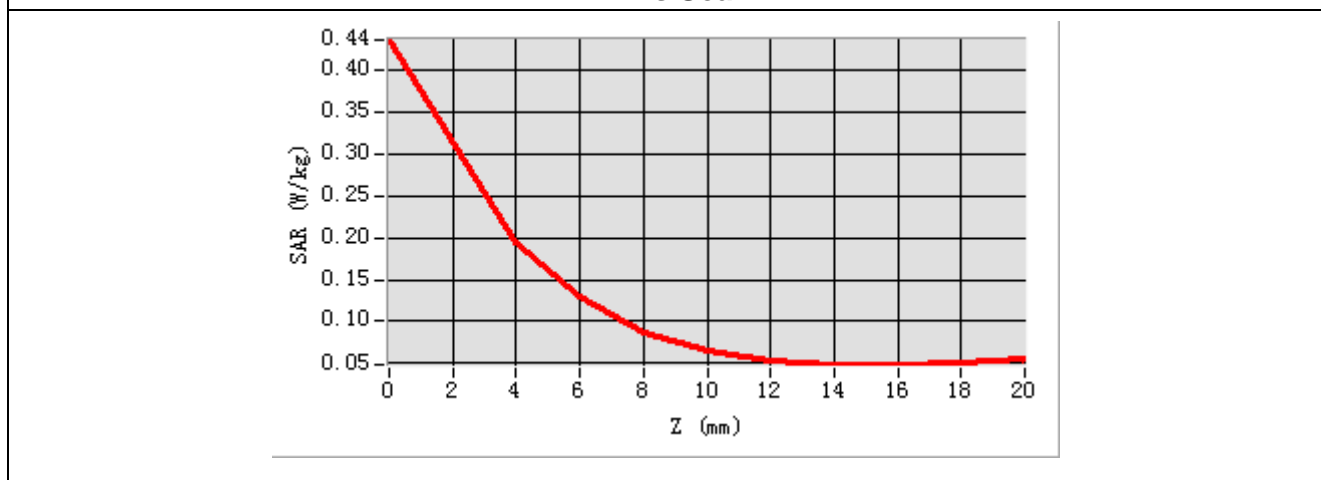
**Maximum location: X=5.00, Y=3.00**

**SAR Peak: 0.44 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.105590 |
| <b>SAR 1g (W/Kg)</b>  | 0.193934 |



### Z Axis Scan



## Testing result (WI-FI U-NII 2c 802.11a ANT 2, Right Tilted, Middle, 0mm)

Type: phone measurement

Date of measurement: 09/16/2023

### A. Experimental conditions.

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

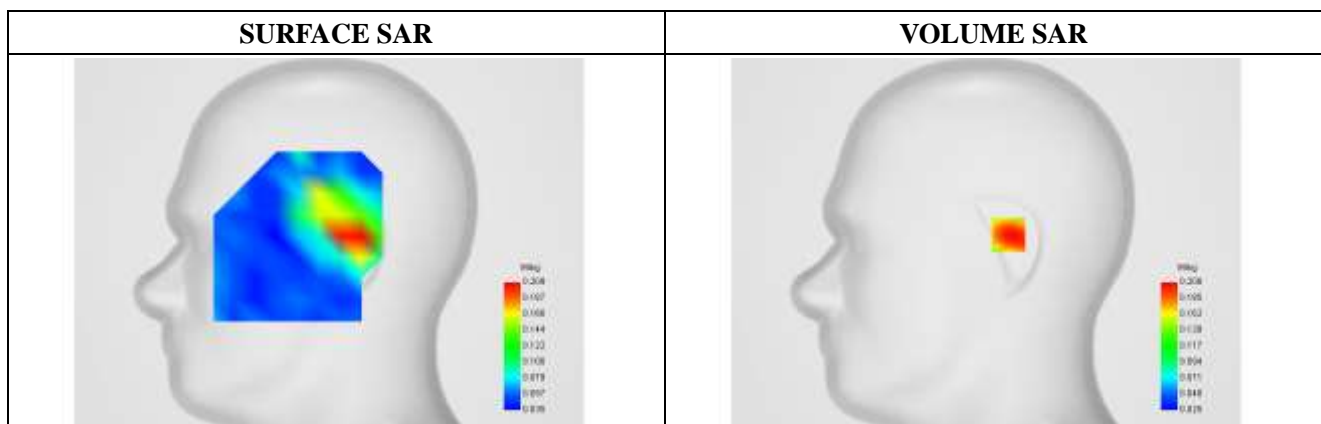
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 5600.0 |
| <b>Relative permittivity (real part)</b> | 35.88  |
| <b>Conductivity (S/m)</b>                | 5.01   |
| <b>Variation (%)</b>                     | -2.95  |

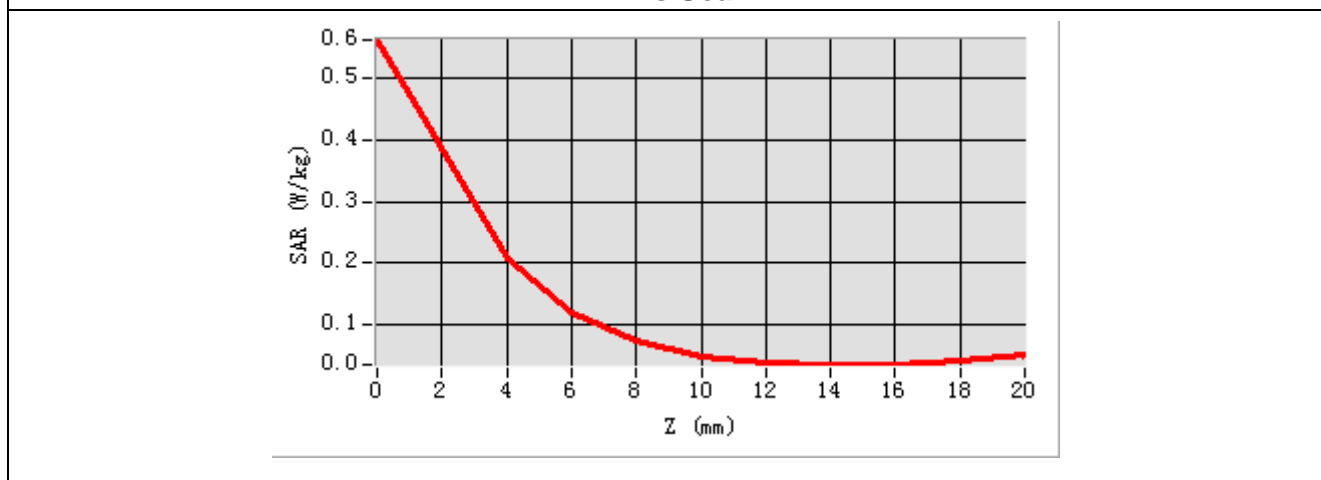
Maximum location: X=10.00, Y=5.00

SAR Peak: 0.54 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.110584 |
| <b>SAR 1g (W/Kg)</b>  | 0.215688 |



### Z Axis Scan



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

Type: phone measurement

Date of measurement: 09/16/2023

### A. Experimental conditions.

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

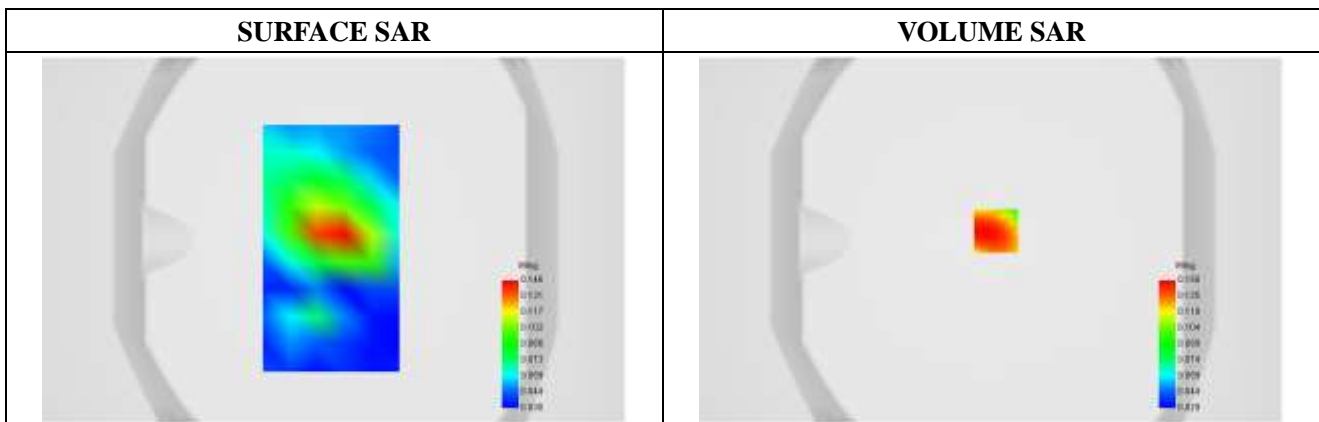
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 5600.0 |
| <b>Relative permittivity (real part)</b> | 35.88  |
| <b>Conductivity (S/m)</b>                | 5.01   |
| <b>Variation (%)</b>                     | 0.91   |

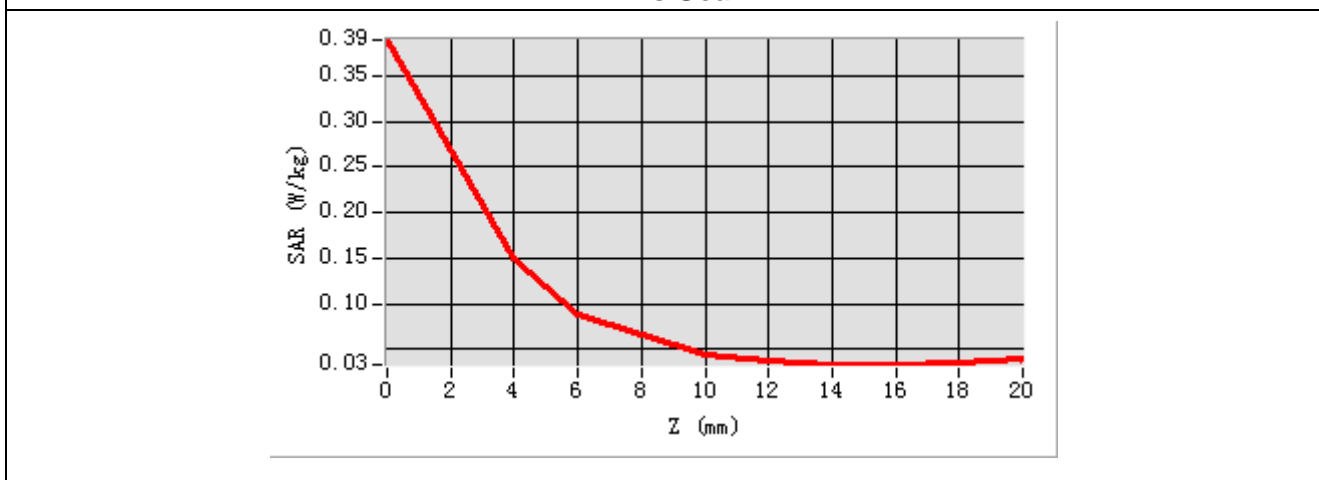
**Maximum location: X=2.00, Y=5.00**

**SAR Peak: 0.35 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.084150 |
| <b>SAR 1g (W/Kg)</b>  | 0.151098 |



### Z Axis Scan



## Testing result (WI-FI U-NII 3a 802.11a ANT 2, Right Tilt, Middle, 0mm)

Type: phone measurement

Date of measurement: 09/16/2023

### A. Experimental conditions.

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

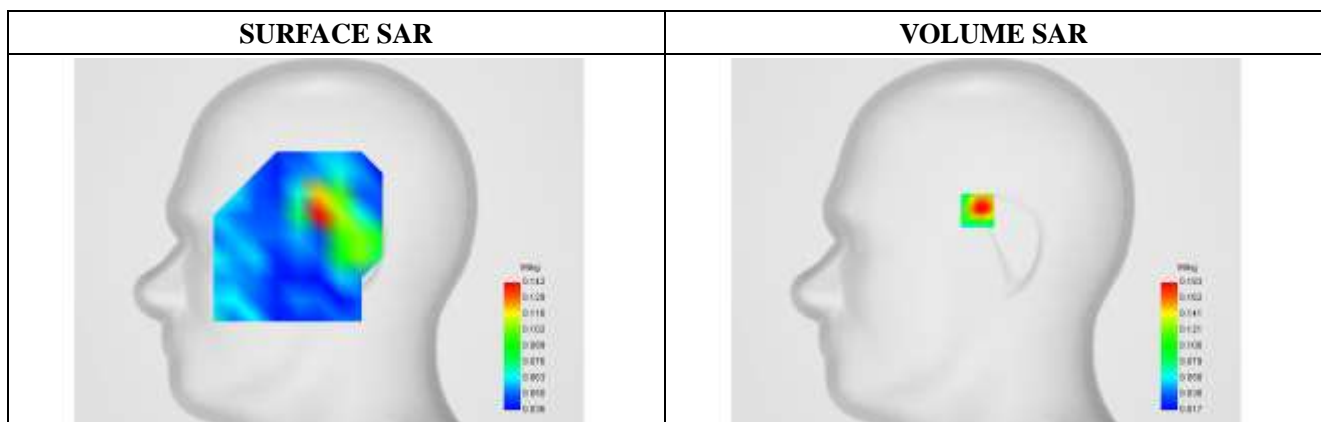
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 5785.0 |
| <b>Relative permittivity (real part)</b> | 35.56  |
| <b>Conductivity (S/m)</b>                | 5.18   |
| <b>Variation (%)</b>                     | -0.69  |

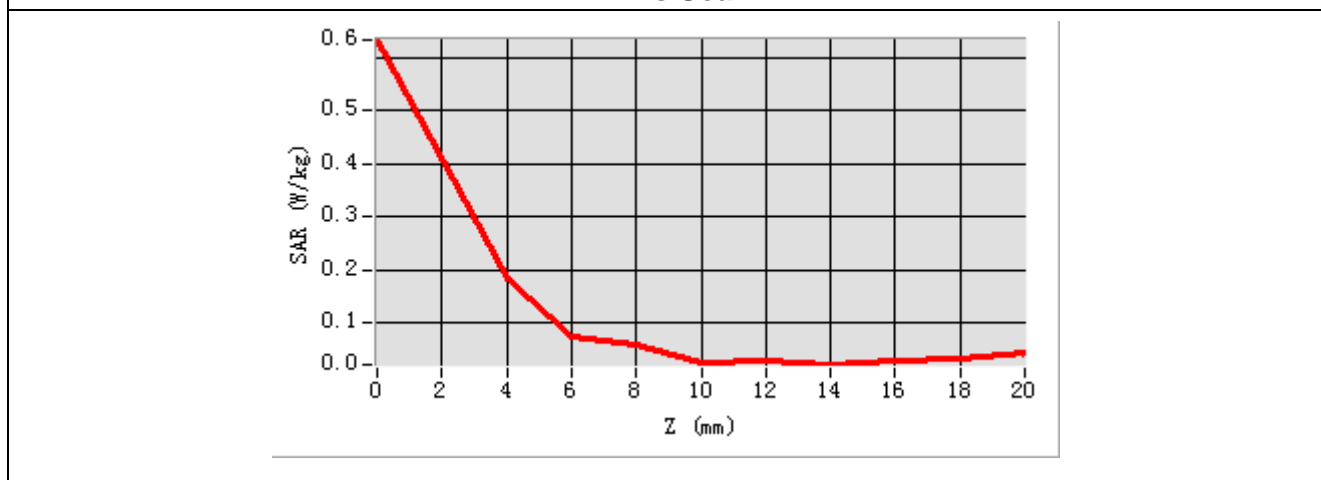
Maximum location: X=-12.00, Y=22.00

SAR Peak: 0.53 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.086854 |
| <b>SAR 1g (W/Kg)</b>  | 0.192609 |



### Z Axis Scan





## Testing result (WI-FI U-NII 3a 802.11a ANT 2, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 09/16/2023

### A. Experimental conditions.

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

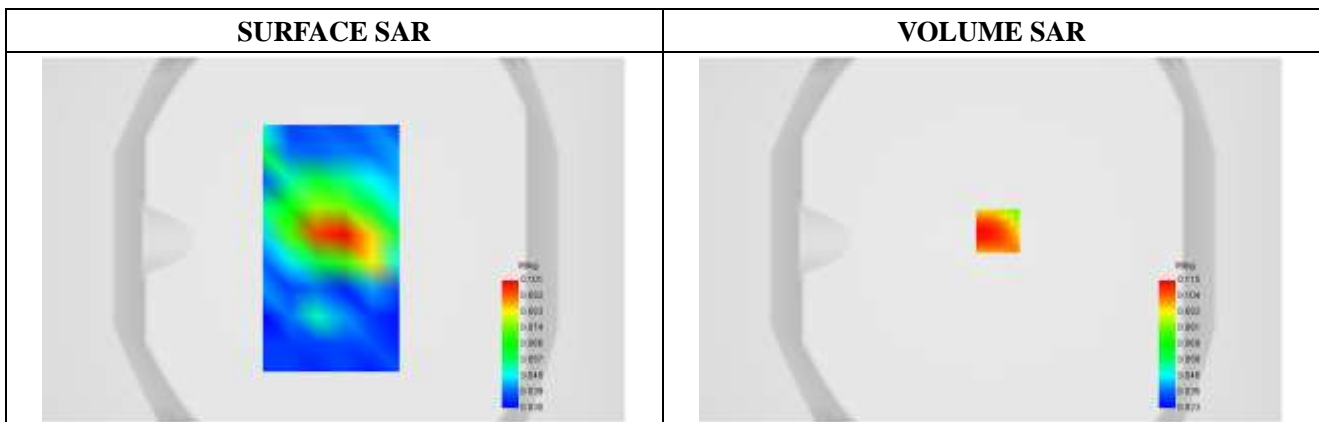
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 5785.0 |
| <b>Relative permittivity (real part)</b> | 35.56  |
| <b>Conductivity (S/m)</b>                | 5.18   |
| <b>Variation (%)</b>                     | -2.55  |

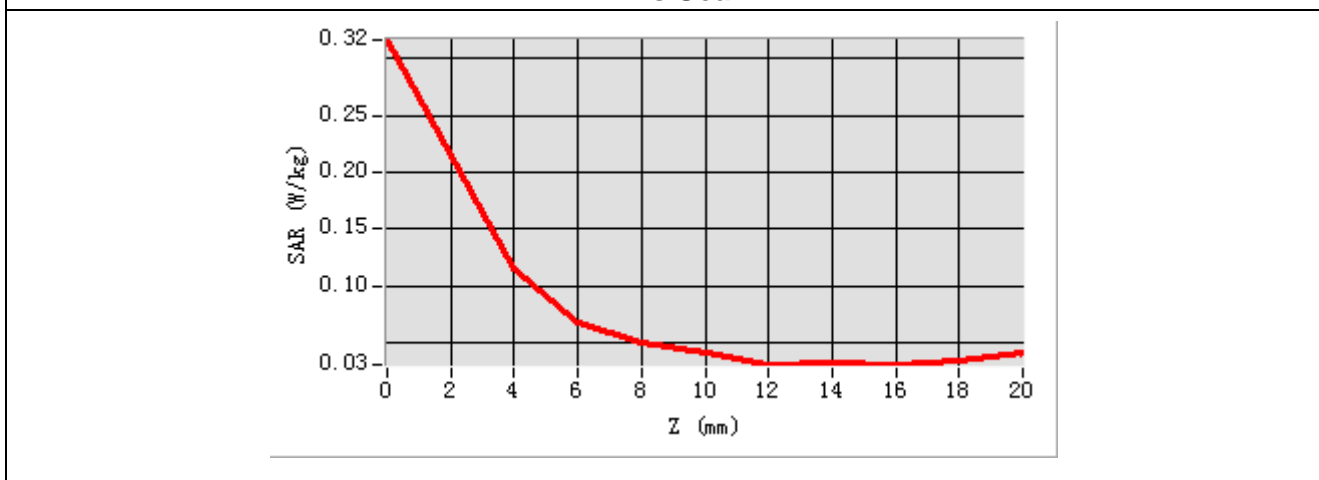
**Maximum location: X=3.00, Y=5.00**

**SAR Peak: 0.27 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.068963 |
| <b>SAR 1g (W/Kg)</b>  | 0.116346 |



### Z Axis Scan



## Testing result (Bluetooth, Right Cheek ANT 2, Middle, 0mm)

Type: phone measurement

Date of measurement: 09/10/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=12mm dy=12mm            |
| <b>Zoom Scan</b>       | 7x7x7,dx=5mm dy=5mm dz=5mm |
| <b>Phantom</b>         | Right Head                 |
| <b>Device Position</b> | Cheek                      |
| <b>Band</b>            | Bluetooth                  |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | GFSK(Crest factor: 1.0)    |

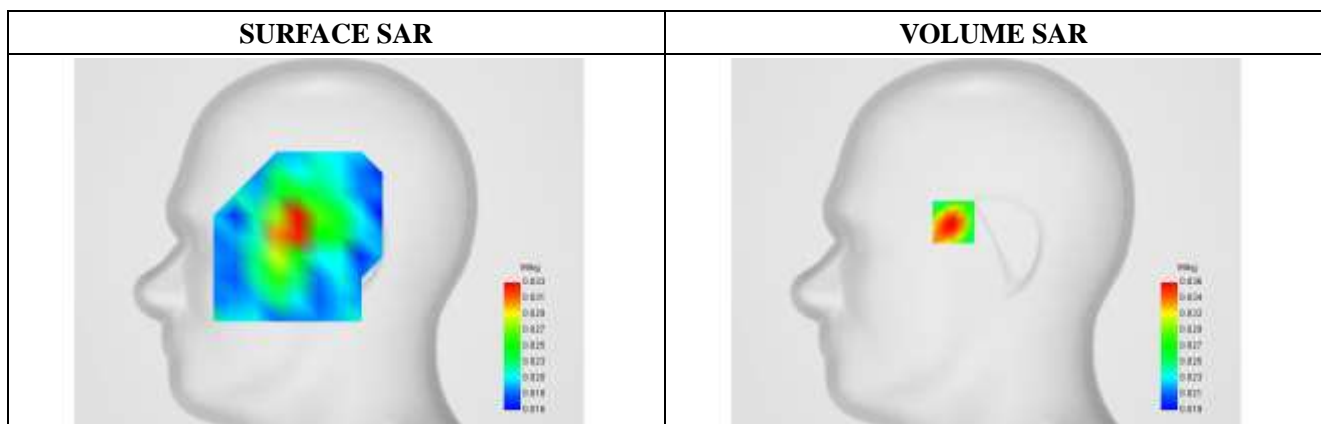
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 2441.0 |
| <b>Relative permittivity (real part)</b> | 38.12  |
| <b>Conductivity (S/m)</b>                | 1.79   |
| <b>Variation (%)</b>                     | -2.24  |

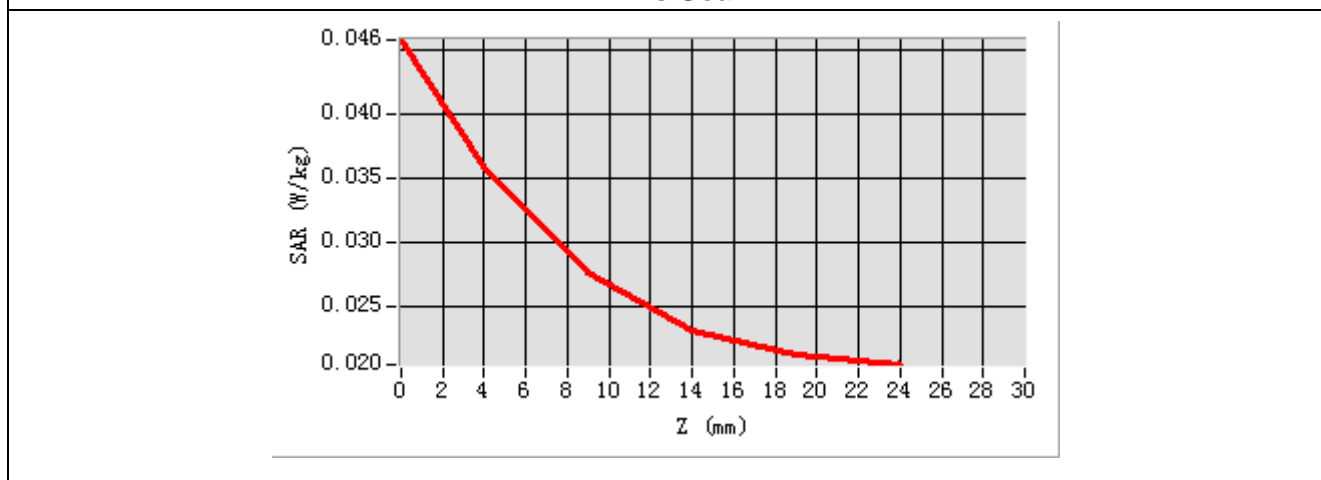
**Maximum location: X=-29.00, Y=14.00**

**SAR Peak: 0.05 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.026958 |
| <b>SAR 1g (W/Kg)</b>  | 0.034763 |



### Z Axis Scan



## Testing result (Bluetooth Front ANT 2, Middle, 10mm)

Type: phone measurement

Date of measurement: 09/10/2023

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO 0523-EPGO-403       |
| <b>Area Scan</b>       | dx=12mm dy=12mm            |
| <b>Zoom Scan</b>       | 7x7x7,dx=5mm dy=5mm dz=5mm |
| <b>Phantom</b>         | Validation plane           |
| <b>Device Position</b> | Body                       |
| <b>Band</b>            | Bluetooth                  |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | GFSK(Crest factor: 1.0)    |

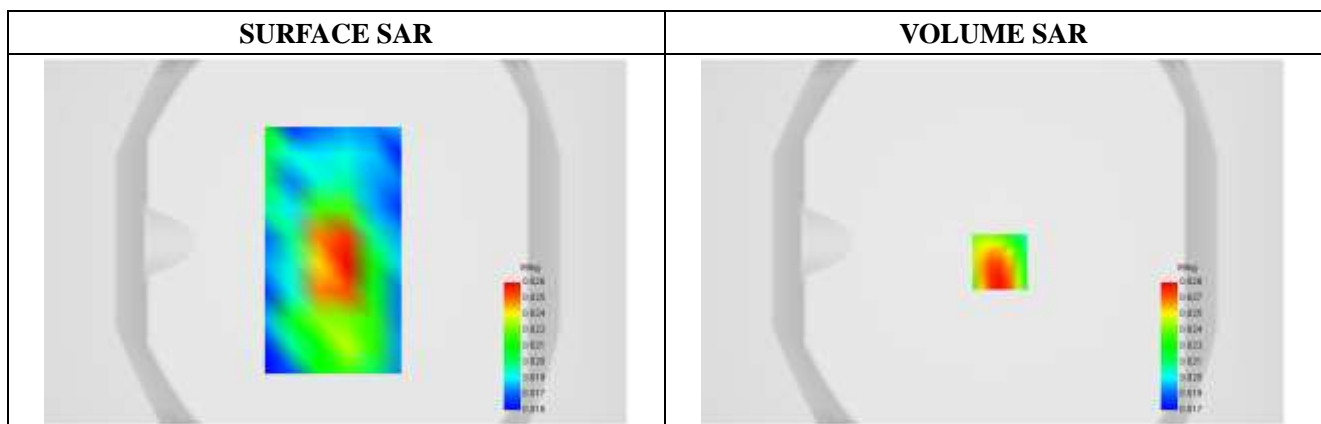
### B. SAR Measurement Results

|  |        |
|--|--------|
| <b>Frequency (MHz)</b>                   | 2441.0 |
| <b>Relative permittivity (real part)</b> | 38.12  |
| <b>Conductivity (S/m)</b>                | 1.79   |
| <b>Variation (%)</b>                     | -0.61  |

Maximum location: X=3.00, Y=-11.00

SAR Peak: 0.03 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.021679 |
| <b>SAR 1g (W/Kg)</b>  | 0.026992 |



### Z Axis Scan

