

## Appendix B: SAR Measurement results Plots

Plot	Frequency/Mode	Testing Position and Channel	Test Date
1	GPRS8504TxANT4	Front to Face Middle ,10mm	2023/07/13
2	GPRS8504TxANT4	Extremity Front, Middle ,0mm	2023/07/13
3	GPRS19004TxANT4	Front to Face Middle ,10mm	2023/07/07
4	GPRS19004TxANT4	Extremity Bottom, Middle ,0mm	2023/07/07
5	CDMA BC 0ANT4	Front to Face Middle ,10mm	2023/07/13
6	CDMA BC 0ANT4	Extremity Front, Middle ,0mm	2023/07/13
7	WCDMA850ANT4	Front to Face Middle ,10mm	2023/07/13
8	WCDMA850ANT4	Extremity Front, Middle ,0mm	2023/07/13
9	WCDMA1700ANT4	Front to Face Middle ,10mm	2023/07/10
10	WCDMA1700ANT4	Extremity Bottom, Middle ,0mm	2023/07/10
11	WCDMA1900ANT4	Front to Face Middle ,10mm	2023/07/07
12	WCDMA1900ANT4	Extremity Bottom, Middle ,0mm	2023/07/07
13	LTE Band2ANT4	Front to Face Middle ,10mm	2023/07/07
14	LTE Band2ANT4	Extremity Bottom, Middle ,0mm	2023/07/07
15	LTE Band4ANT4	Front to Face Middle ,10mm	2023/07/10
16	LTE Band4ANT4	Extremity Bottom, Middle ,0mm	2023/07/10
17	LTE Band5ANT4	Front to Face Middle ,10mm	2023/07/13
18	LTE Band5ANT4	Extremity Front, Middle ,0mm	2023/07/13
19	LTE Band7ANT4	Front to Face Middle ,10mm	2023/06/29
20	LTE Band7ANT4	Extremity Bottom, Middle ,0mm	2023/06/29
21	LTE Band38ANT4	Front to Face Middle ,10mm	2023/06/29
22	LTE Band38ANT4	Extremity Bottom, Middle ,0mm	2023/06/29
23	LTE Band41ANT4	Front to Face Middle ,10mm	2023/06/29
24	LTE Band41ANT4	Extremity Bottom, Middle ,0mm	2023/06/29
25	WI-FI 2.4G 802.11bANT2	Front to Face Middle ,10mm	2023/07/06
26	WI-FI 2.4G 802.11bANT2	Extremity Right, Middle ,0mm	2023/07/06
27	WI-FI U-NII 1802.11aANT2	Front to Face Middle ,10mm	2023/07/04
28	WI-FI U-NII 1802.11aANT2	Extremity Front, Middle ,0mm	2023/07/04
29	WI-FI U-NII 2a 802.11aANT2	Front to Face Middle ,10mm	2023/07/04
30	WI-FI U-NII 2a 802.11aANT2	Extremity Front, Middle ,0mm	2023/07/04
31	WI-FI U-NII 2c 802.11aANT2	Front to Face Middle ,10mm	2023/07/05
32	WI-FI U-NII 2c 802.11aANT2	Extremity Front, Middle ,0mm	2023/07/05
33	WI-FI U-NII 3802.11aANT2	Front to Face Middle ,10mm	2023/07/05
34	WI-FI U-NII 3 802.11aANT2	Extremity Front, Middle ,0mm	2023/07/05
35	BluetoothANT2	Front to Face Middle ,10mm	2023/07/06
36	BluetoothANT2	Extremity Front, Middle ,0mm	2023/07/06
37	RFIDANT3	Extremity Top, High ,0mm	2023/06/26

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

Type: phone measurement

Date of measurement: 07/13/2023

### 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)

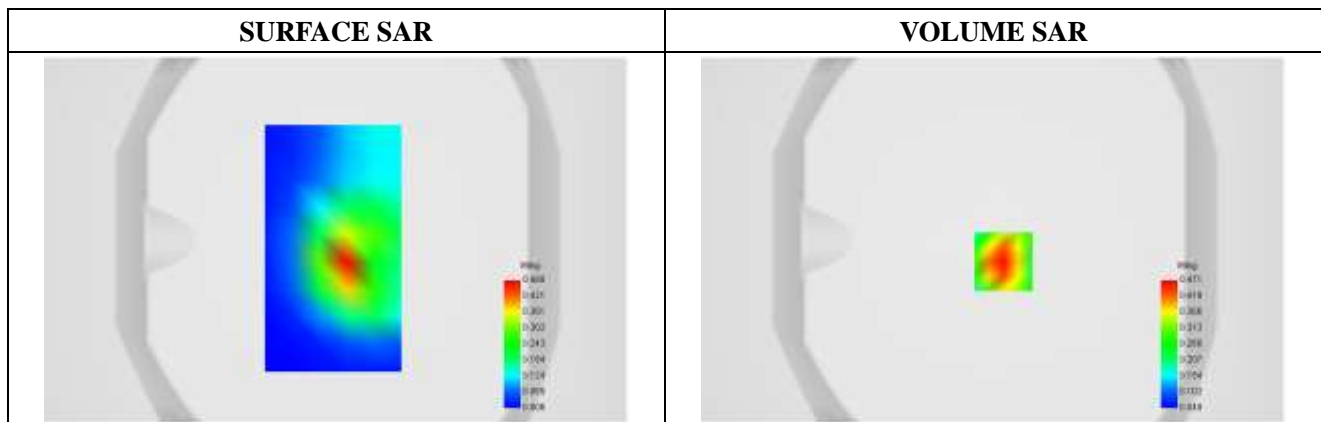
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	836.6
<b>Relative permittivity (real part)</b>	41.67
<b>Conductivity (S/m)</b>	0.89
<b>Variation (%)</b>	-1.32

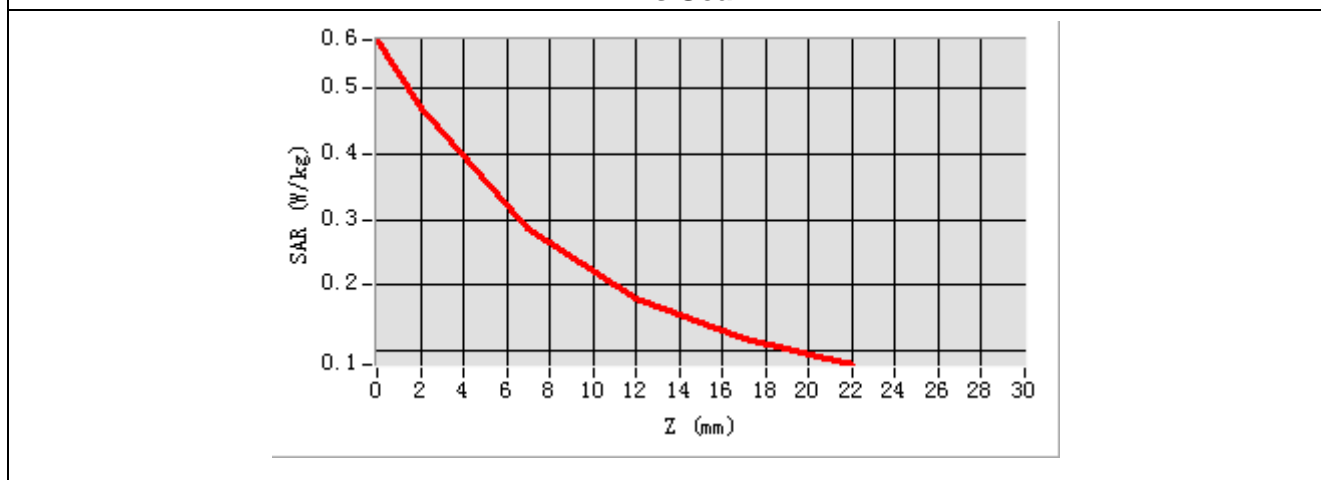
Maximum location: X=5.00, Y=-12.00

SAR Peak: 0.58 W/kg

<b>SAR 10g (W/Kg)</b>	0.216377
<b>SAR 1g (W/Kg)</b>	0.364713



### Z Axis Scan



## Testing result (GPRS850, Extremity Front, Middle, 0mm)

Type: phone measurement

Date of measurement: 07/13/2023

### 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)

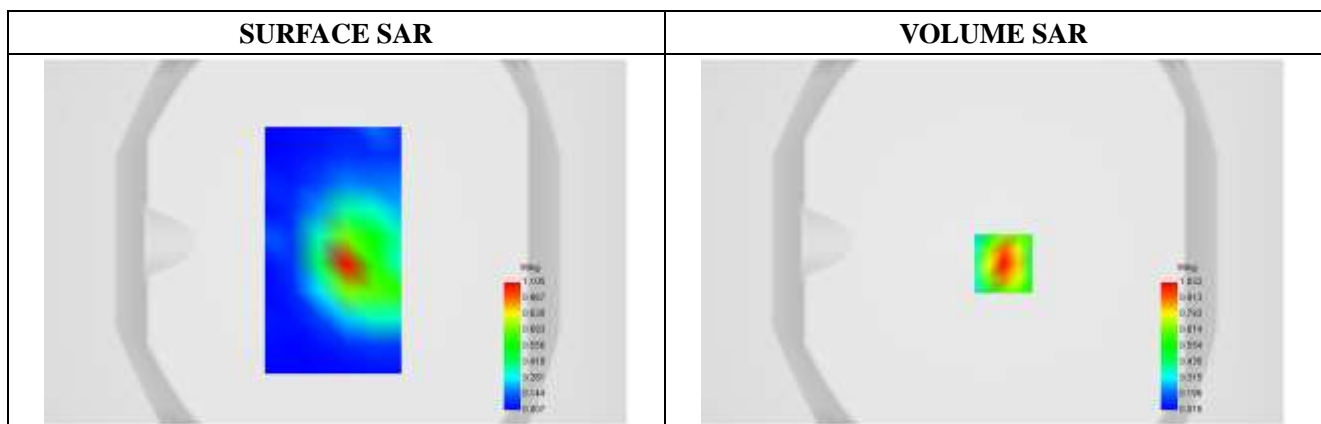
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	836.6
<b>Relative permittivity (real part)</b>	41.67
<b>Conductivity (S/m)</b>	0.89
<b>Variation (%)</b>	-1.35

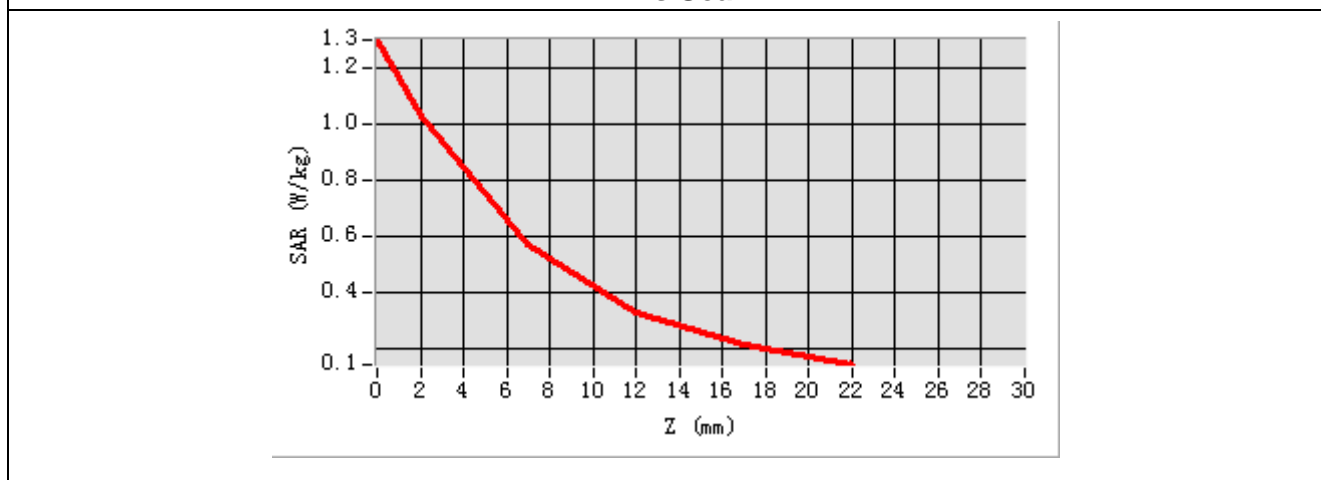
Maximum location: X=5.00, Y=-12.00

SAR Peak: 1.31 W/kg

<b>SAR 10g (W/Kg)</b>	0.434356
<b>SAR 1g (W/Kg)</b>	0.764419



### Z Axis Scan



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

Type: phone measurement

Date of measurement: 07/07/2023

### 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>	GPR1900_4Tx
<b>Channels</b>	Middle
<b>Signal</b>	GSM(Crest factor: 2.0)

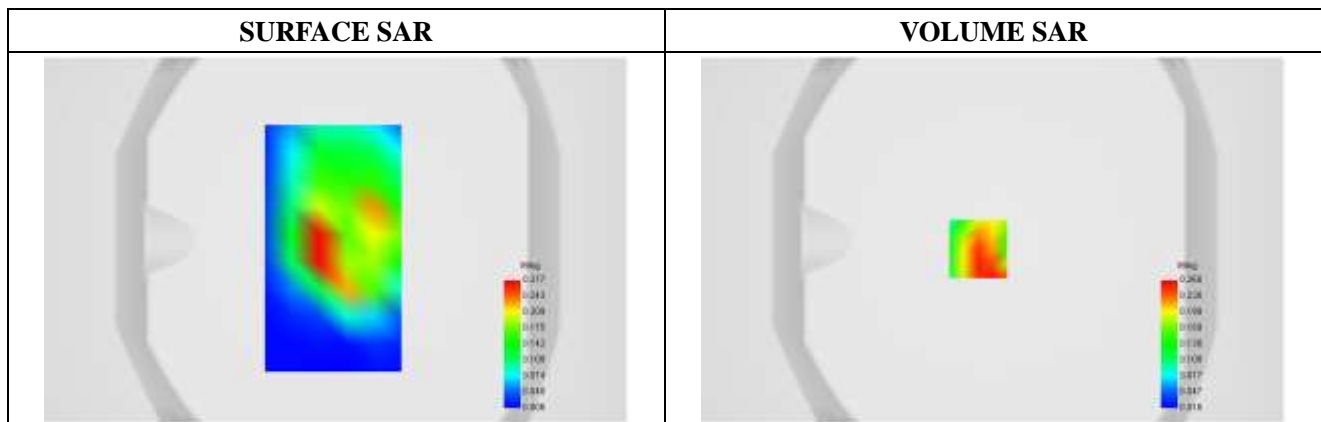
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	1880.0
<b>Relative permittivity (real part)</b>	40.55
<b>Conductivity (S/m)</b>	1.42
<b>Variation (%)</b>	-0.91

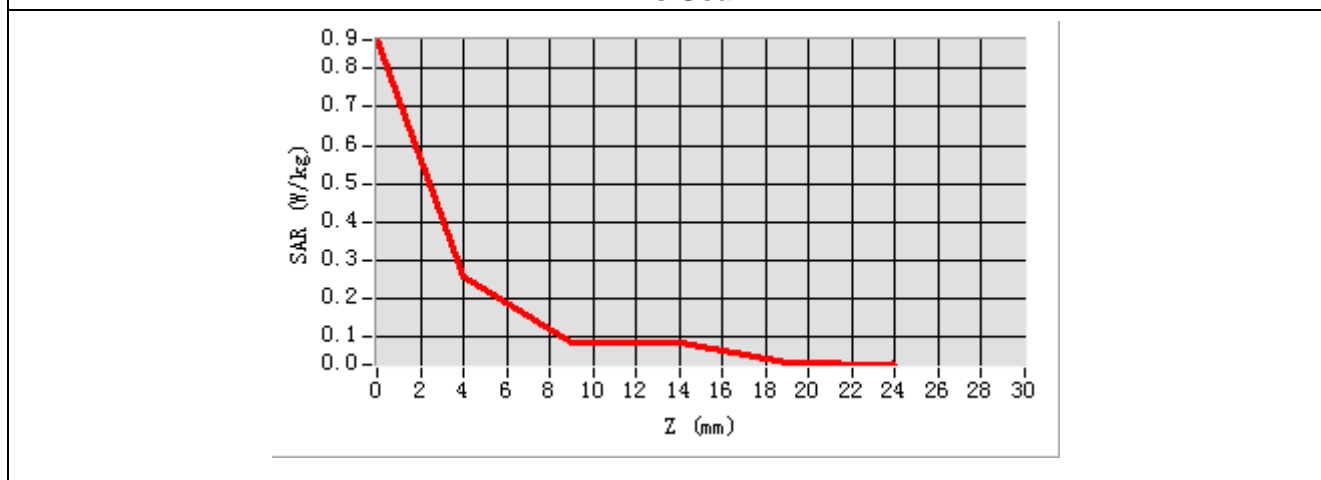
Maximum location: X=-9.00, Y=-5.00

SAR Peak: 0.40 W/kg

<b>SAR 10g (W/Kg)</b>	0.136818
<b>SAR 1g (W/Kg)</b>	0.239277



### Z Axis Scan



## Testing result (GPRS1900, Extremity Bottom, Middle, 0mm)

Type: phone measurement

Date of measurement: 07/07/2023

### 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>	GPR1900_4Tx
<b>Channels</b>	Middle
<b>Signal</b>	GSM(Crest factor: 2.0)

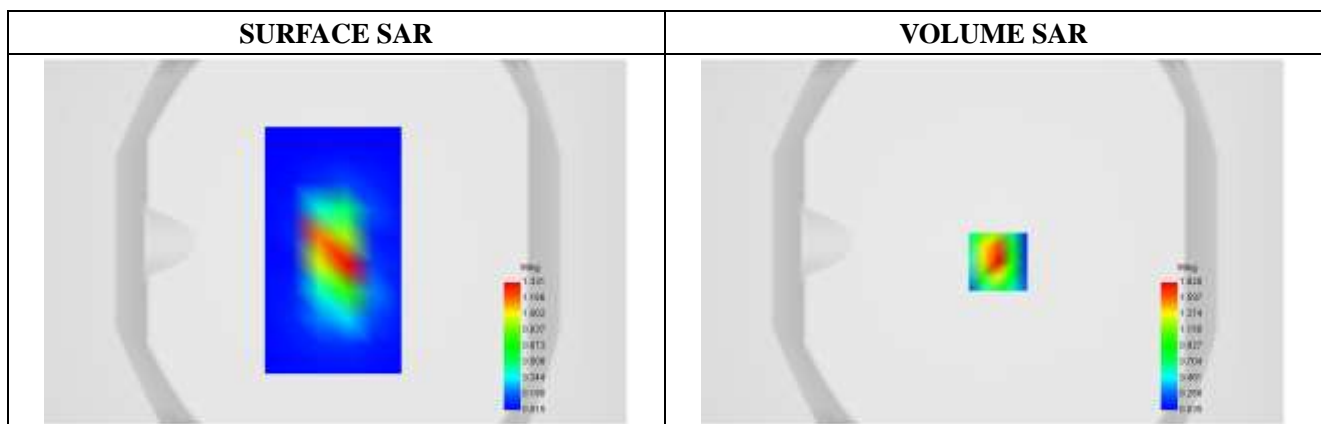
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	1880.0
<b>Relative permittivity (real part)</b>	40.55
<b>Conductivity (S/m)</b>	1.42
<b>Variation (%)</b>	0.58

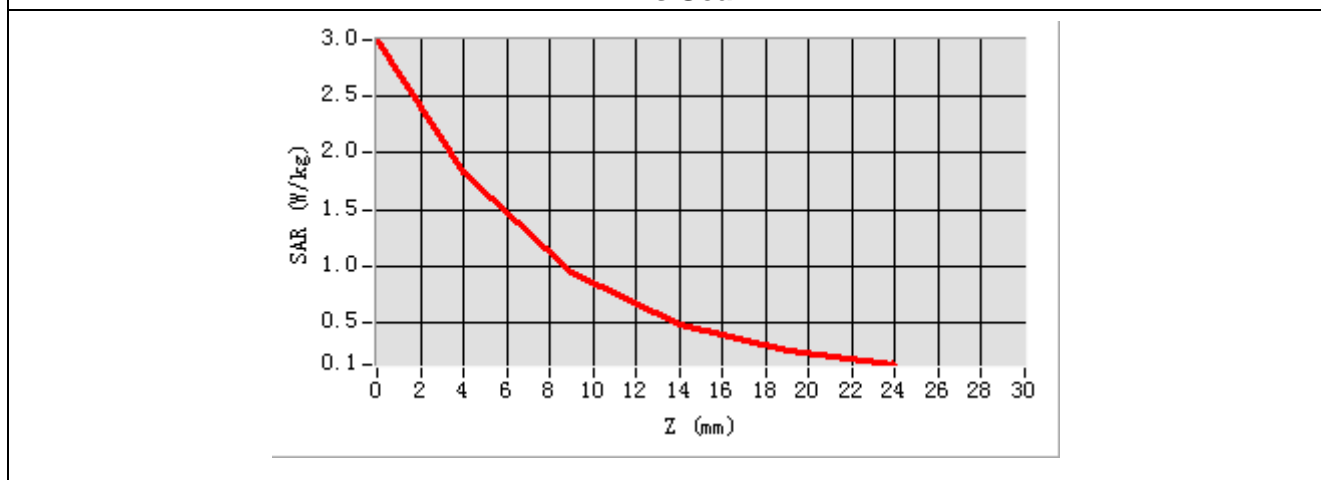
Maximum location: X=2.00, Y=-11.00

SAR Peak: 3.06 W/kg

<b>SAR 10g (W/Kg)</b>	0.805437
<b>SAR 1g (W/Kg)</b>	1.686173



### Z Axis Scan



## Testing result (CDMA BC0, Front to Face, Middle, 10mm)

Type: phone measurement

Date of measurement: 07/13/2023

### 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>	CDMA BC0
<b>Channels</b>	Middle
<b>Signal</b>	RC3(+F-SCH) (Crest factor: 1.0)

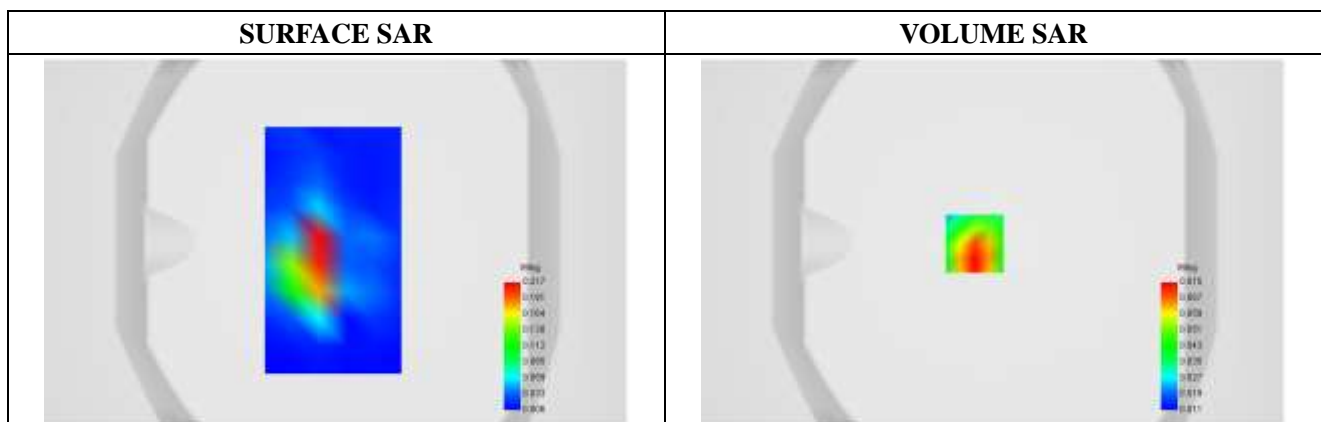
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	836.52
<b>Relative permittivity (real part)</b>	41.67
<b>Conductivity (S/m)</b>	0.89
<b>Variation (%)</b>	0.21

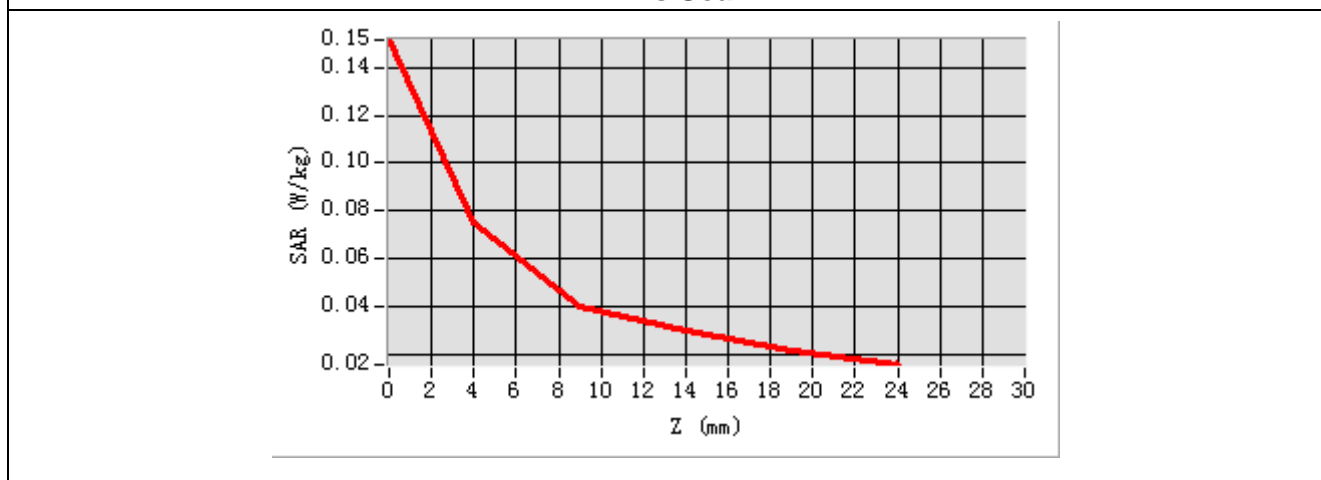
Maximum location: X=-11.00, Y=-1.00

SAR Peak: 0.11 W/kg

<b>SAR 10g (W/Kg)</b>	0.043569
<b>SAR 1g (W/Kg)</b>	0.071268



### Z Axis Scan



## Testing result (CDMA BC0, Extremity Front, Middle, 0mm)

Type: phone measurement

Date of measurement: 07/13/2023

### 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>	CDMA BC0
<b>Channels</b>	Middle
<b>Signal</b>	RC3(+F-SCH) (Crest factor: 1.0)

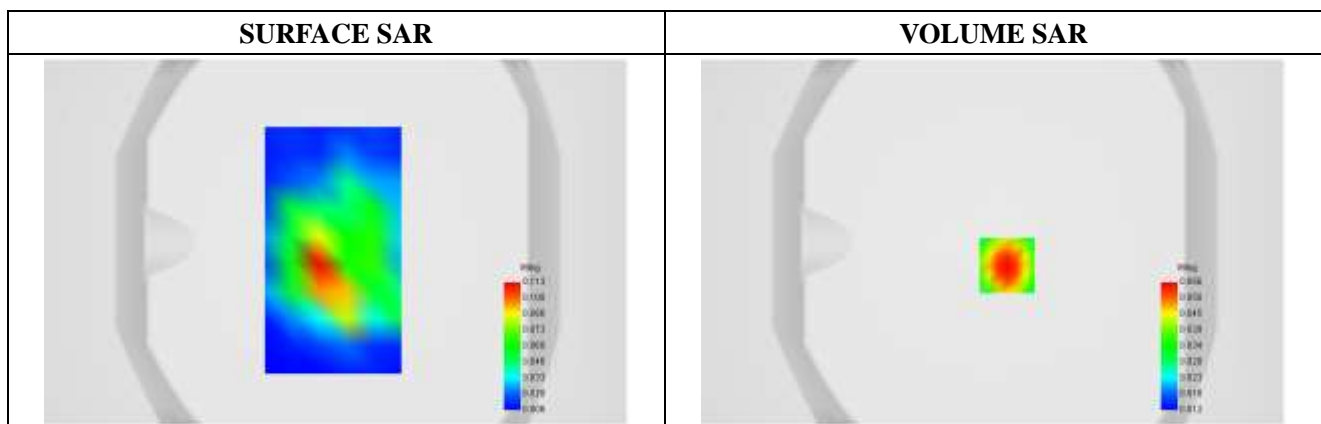
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	836.52
<b>Relative permittivity (real part)</b>	41.67
<b>Conductivity (S/m)</b>	0.89
<b>Variation (%)</b>	1.05

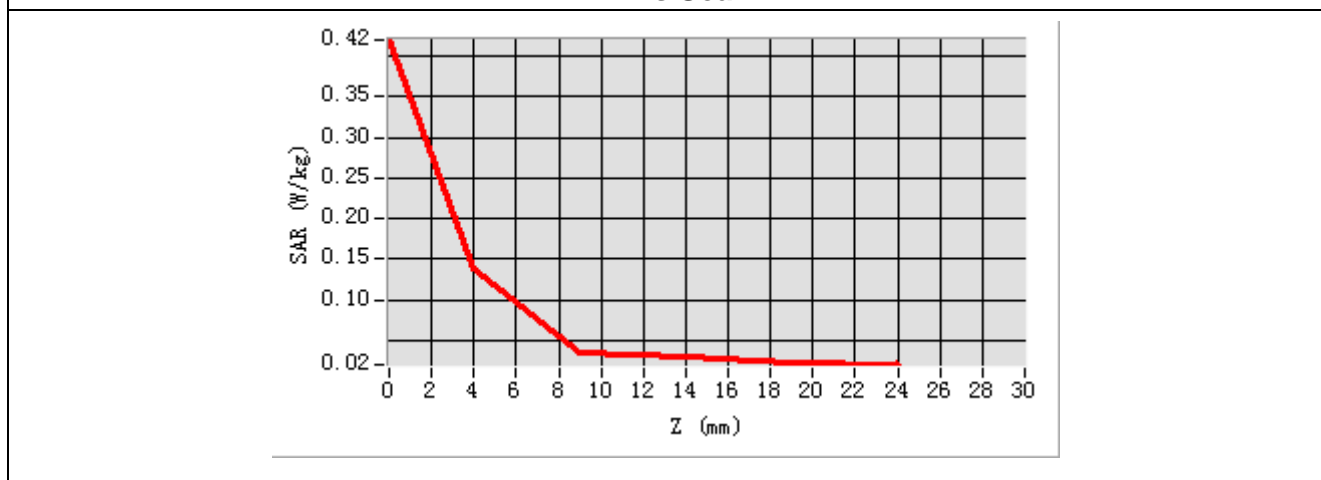
**Maximum location: X=-10.00, Y=-12.00**

**SAR Peak: 0.26 W/kg**

<b>SAR 10g (W/Kg)</b>	0.061820
<b>SAR 1g (W/Kg)</b>	0.100517



### Z Axis Scan



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

Type: phone measurement

Date of measurement: 07/13/2023

### 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)

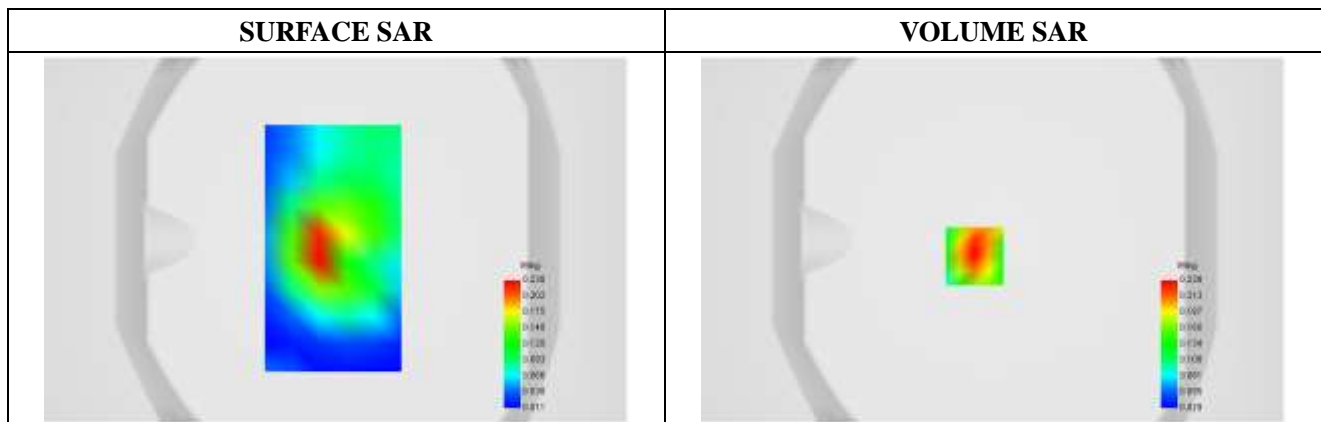
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	836.6
<b>Relative permittivity (real part)</b>	41.67
<b>Conductivity (S/m)</b>	0.89
<b>Variation (%)</b>	-0.41

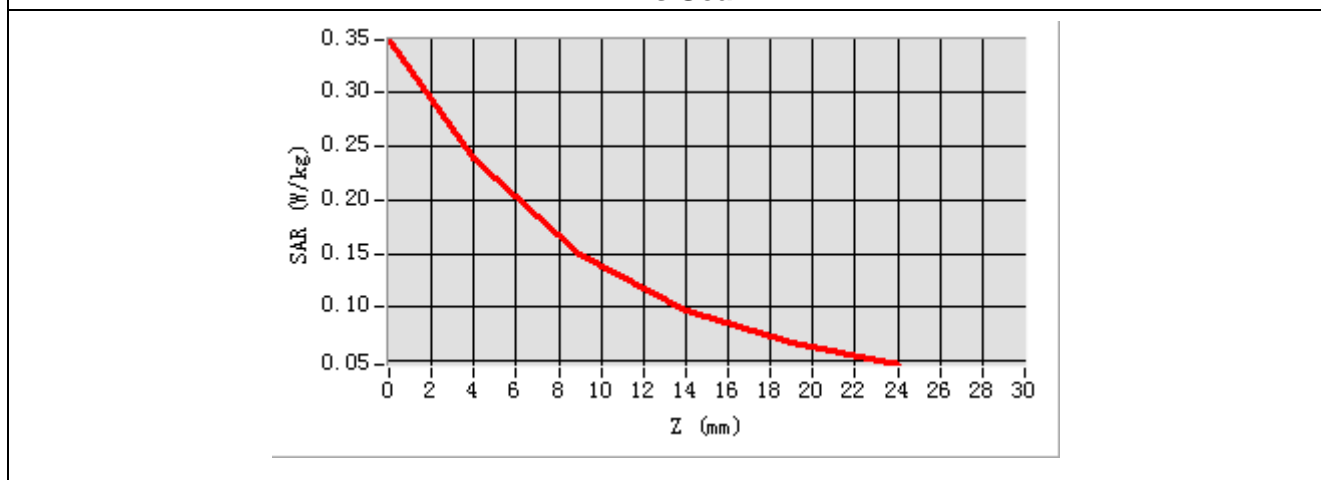
Maximum location: X=-11.00, Y=-9.00

SAR Peak: 0.35 W/kg

<b>SAR 10g (W/Kg)</b>	0.138477
<b>SAR 1g (W/Kg)</b>	0.226211



### Z Axis Scan





## Testing result (WCDMA850, Extremity Front, Middle, 0mm)

Type: phone measurement

Date of measurement: 07/13/2023

### 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)

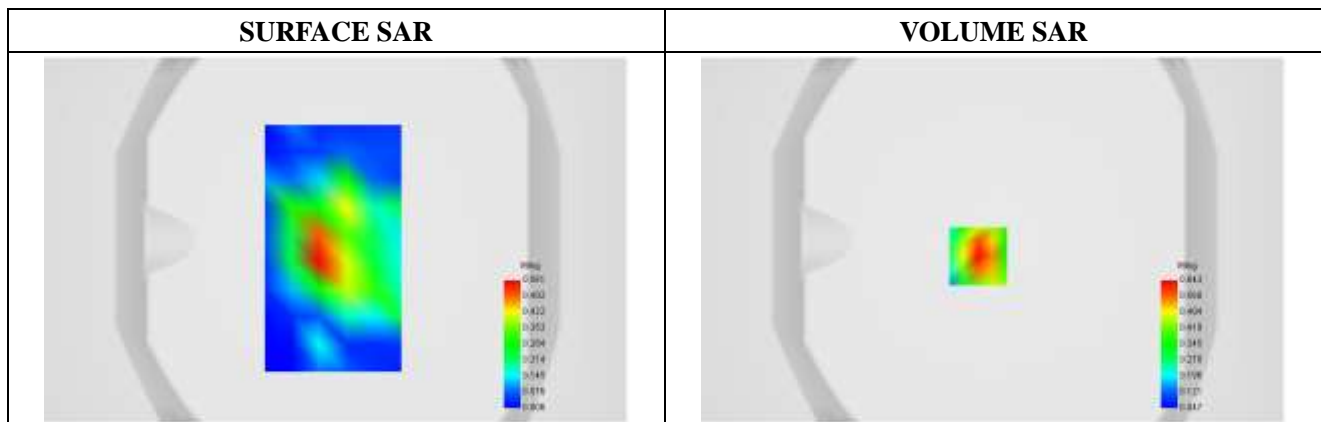
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	836.6
<b>Relative permittivity (real part)</b>	41.67
<b>Conductivity (S/m)</b>	0.89
<b>Variation (%)</b>	0.42

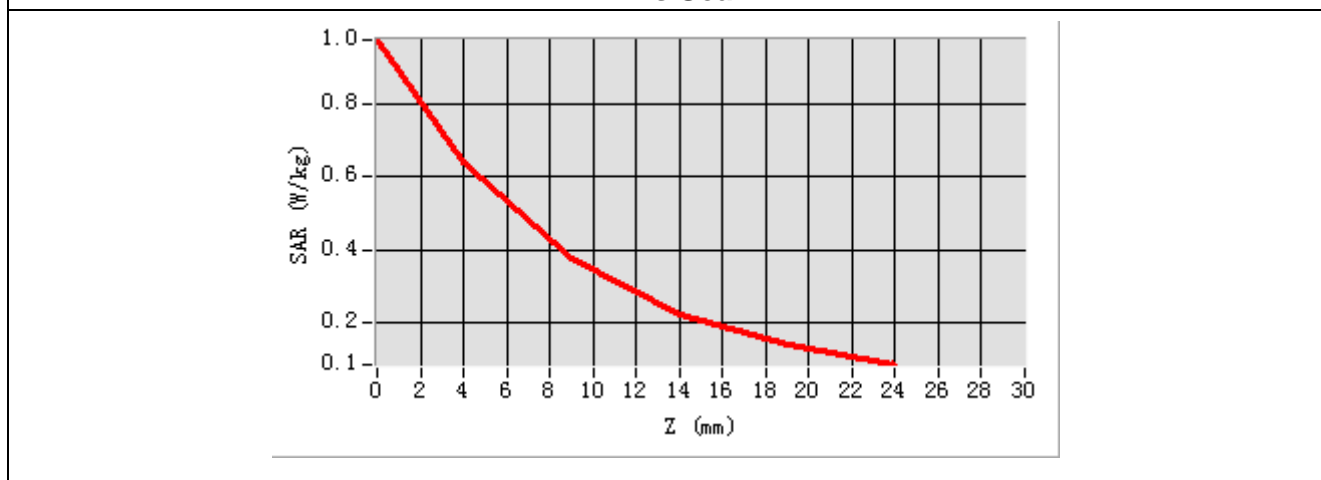
**Maximum location: X=-9.00, Y=-9.00**

**SAR Peak: 0.98 W/kg**

<b>SAR 10g (W/Kg)</b>	0.343333
<b>SAR 1g (W/Kg)</b>	0.602115



### Z Axis Scan



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

Type: phone measurement

Date of measurement: 07/10/2023

### 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)

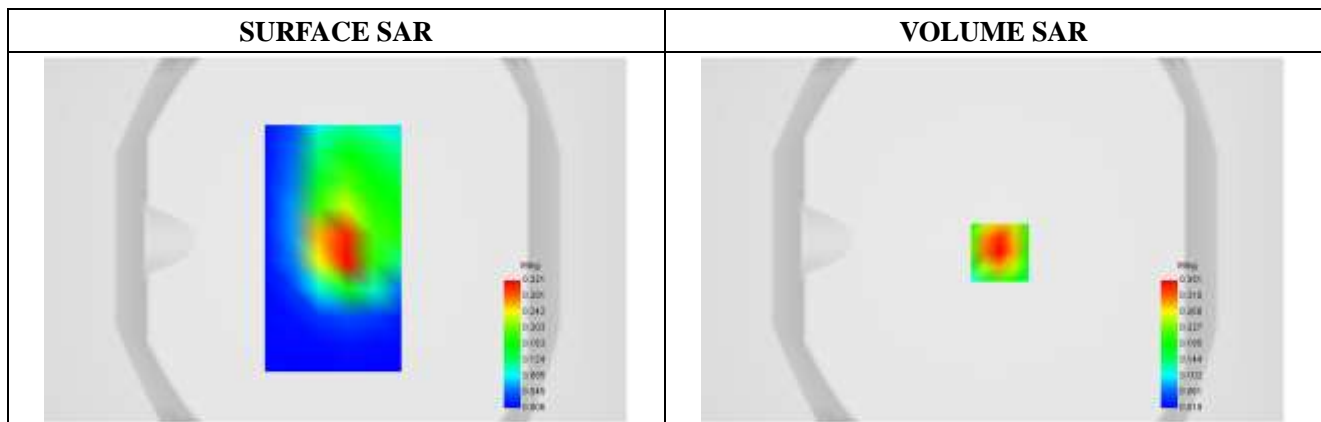
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	1732.6
<b>Relative permittivity (real part)</b>	40.48
<b>Conductivity (S/m)</b>	1.34
<b>Variation (%)</b>	1.47

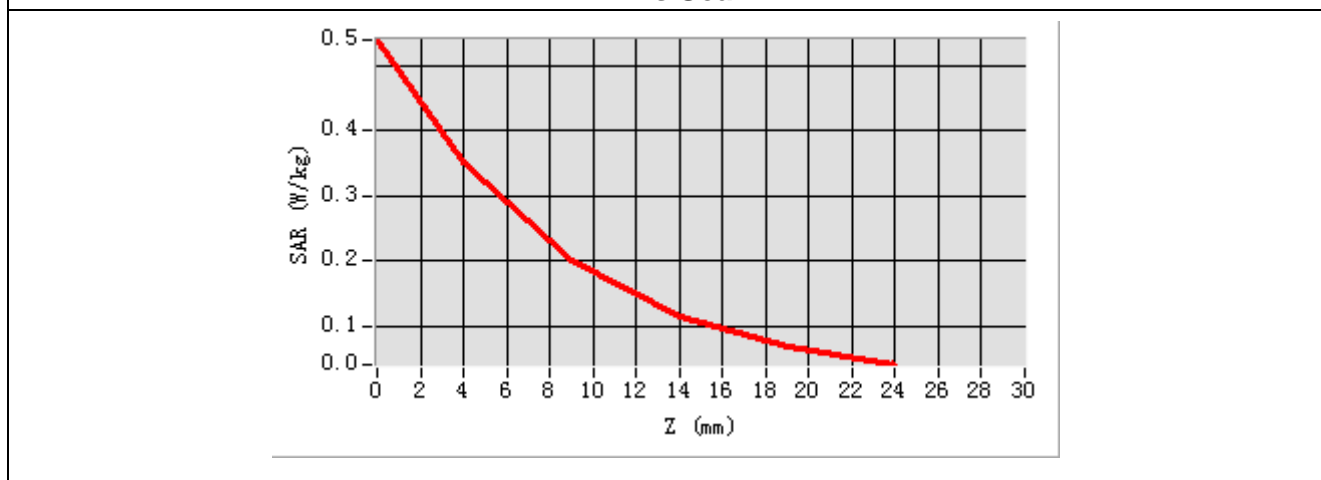
**Maximum location: X=3.00, Y=-7.00**

**SAR Peak: 0.54 W/kg**

<b>SAR 10g (W/Kg)</b>	0.188090
<b>SAR 1g (W/Kg)</b>	0.332843



### Z Axis Scan



## Testing result (WCDMA1700, Extremity Bottom, Middle, 0mm)

Type: phone measurement

Date of measurement: 07/10/2023

### 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)

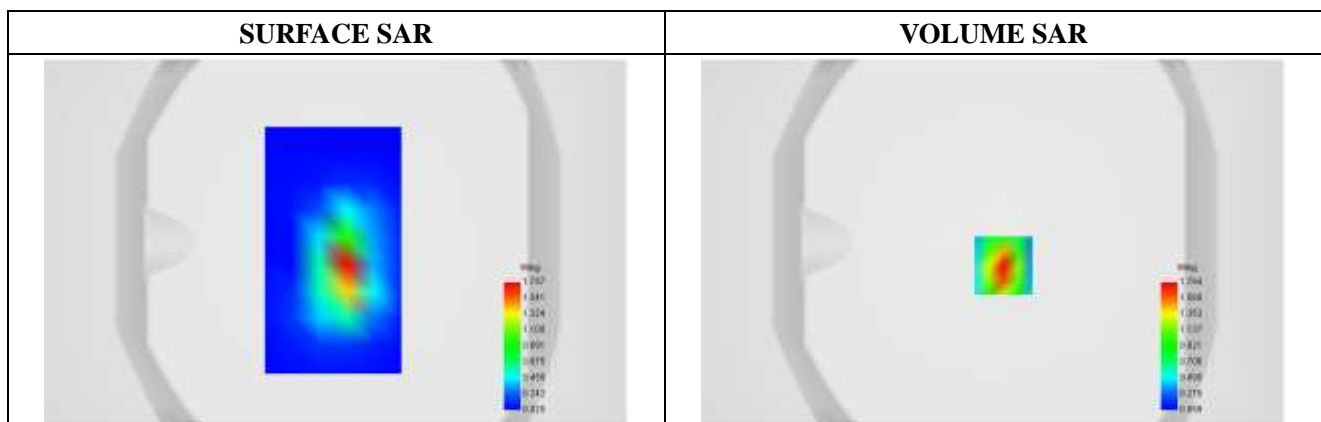
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	1732.6
<b>Relative permittivity (real part)</b>	40.48
<b>Conductivity (S/m)</b>	1.34
<b>Variation (%)</b>	0.27

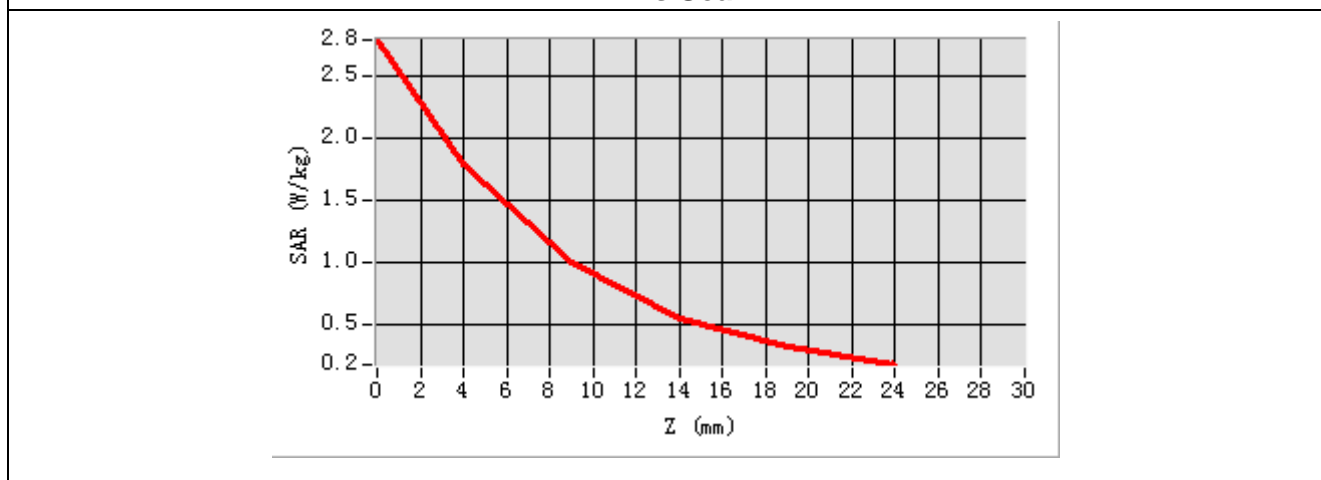
Maximum location: X=5.00, Y=-13.00

SAR Peak: 2.80 W/kg

<b>SAR 10g (W/Kg)</b>	0.826170
<b>SAR 1g (W/Kg)</b>	1.631391



### Z Axis Scan



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

Type: phone measurement

Date of measurement: 07/07/2023

### 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)

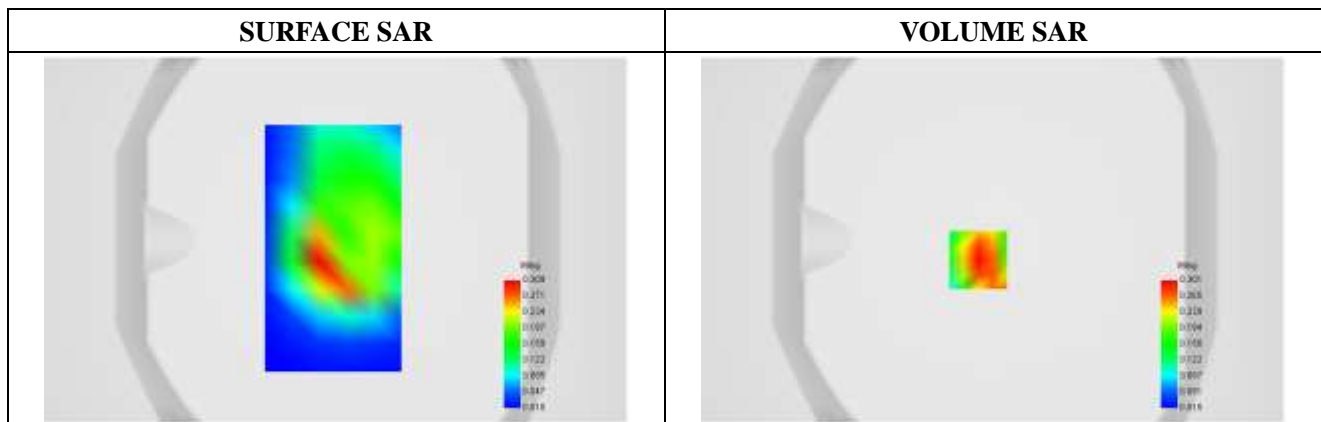
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	1880.0
<b>Relative permittivity (real part)</b>	40.55
<b>Conductivity (S/m)</b>	1.42
<b>Variation (%)</b>	-0.93

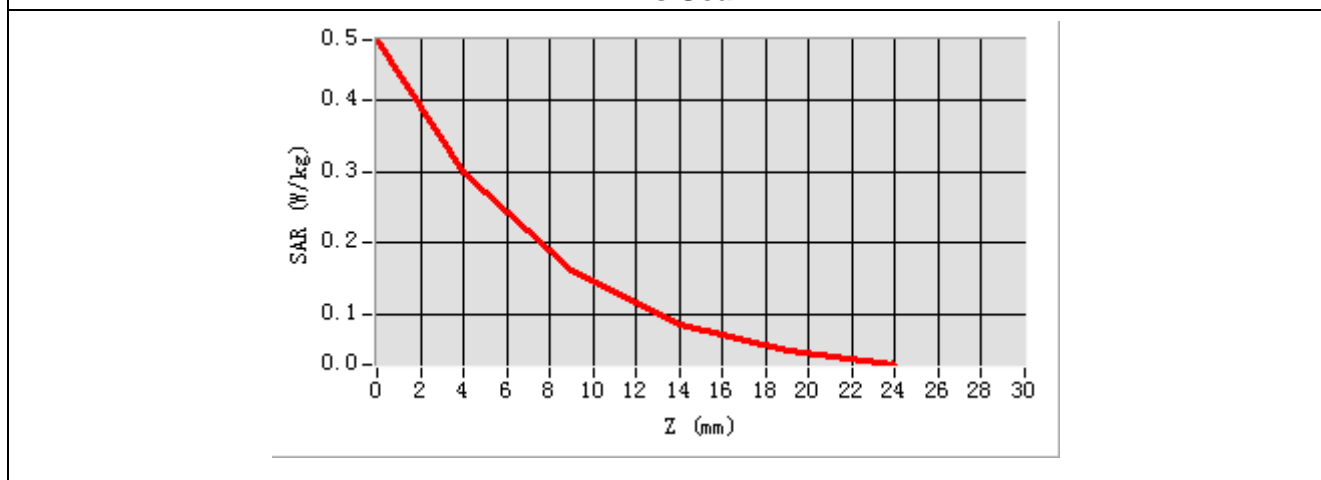
Maximum location: X=-9.00, Y=-11.00

SAR Peak: 0.49 W/kg

<b>SAR 10g (W/Kg)</b>	0.158564
<b>SAR 1g (W/Kg)</b>	0.283809



### Z Axis Scan



## Testing result (WCDMA1900, Extremity Bottom, Middle, 0mm)

Type: phone measurement

Date of measurement: 07/07/2023

### 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)

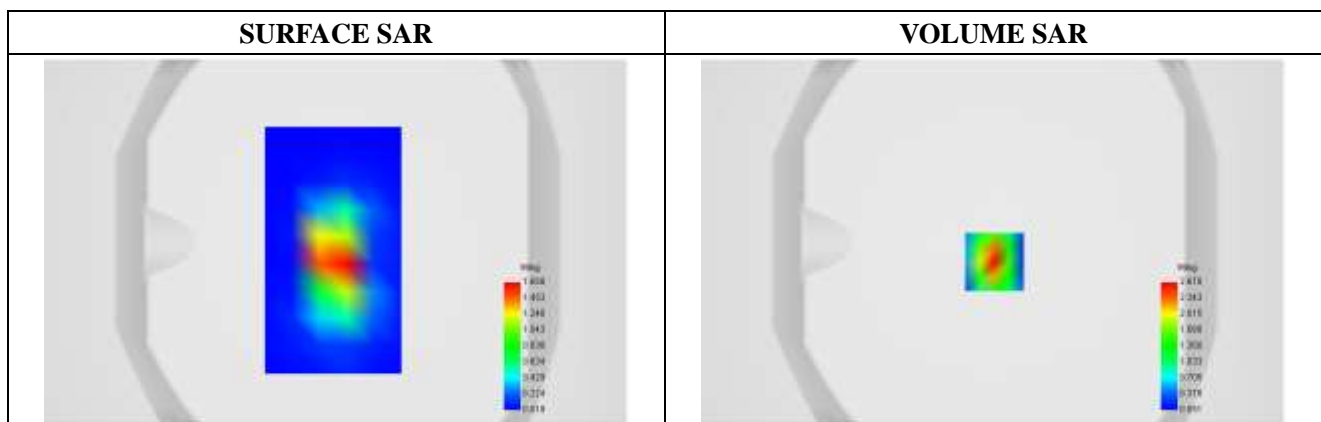
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	1880.0
<b>Relative permittivity (real part)</b>	40.55
<b>Conductivity (S/m)</b>	1.42
<b>Variation (%)</b>	-0.40

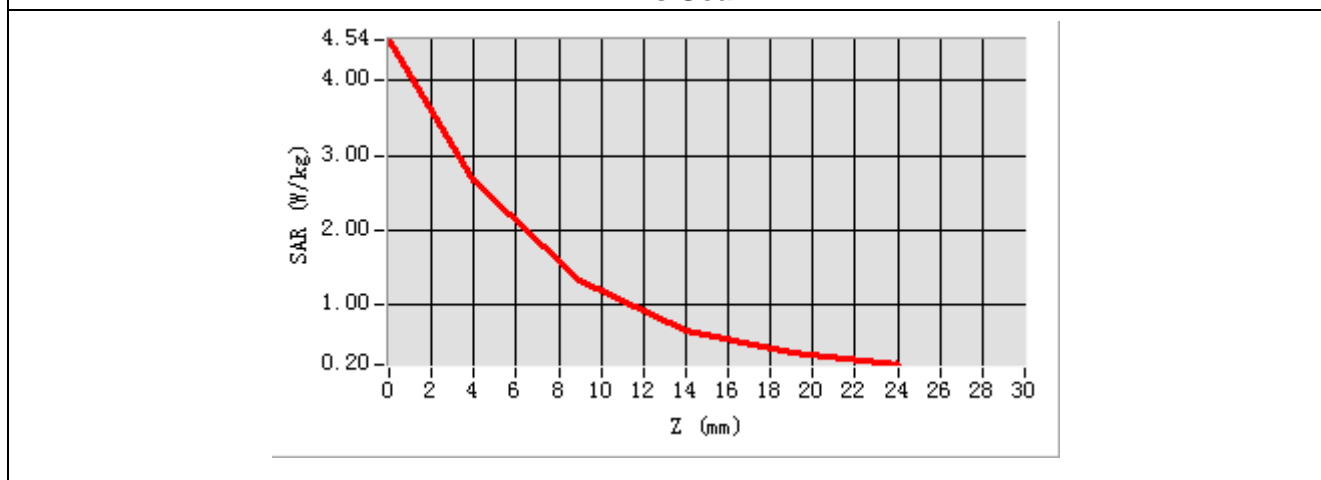
Maximum location: X=0.00, Y=-11.00

SAR Peak: 4.55 W/kg

<b>SAR 10g (W/Kg)</b>	1.119569
<b>SAR 1g (W/Kg)</b>	2.420323



**Z Axis Scan**



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

Type: phone measurement

Date of measurement: 07/07/2023

### 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)

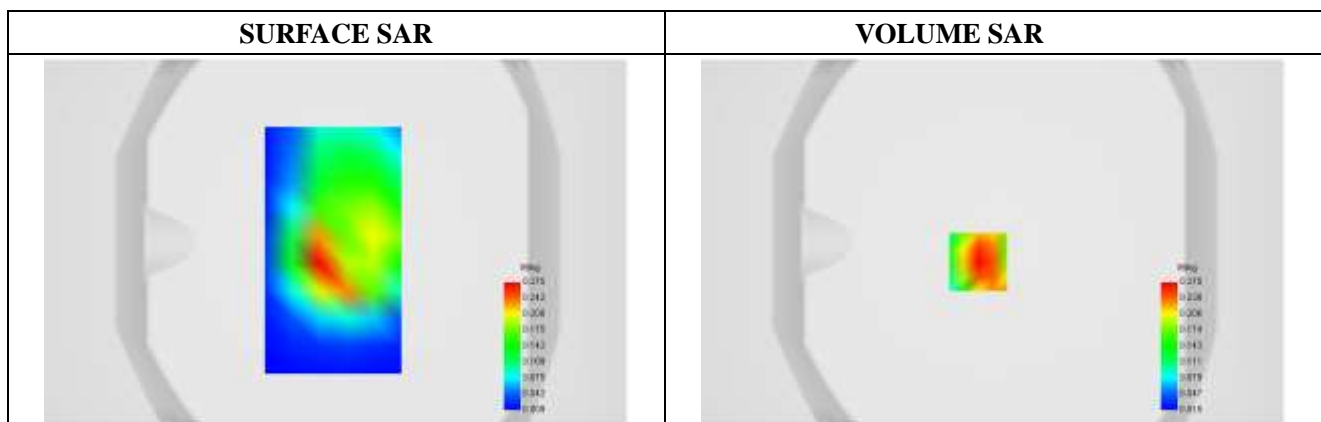
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	1880.0
<b>Relative permittivity (real part)</b>	40.55
<b>Conductivity (S/m)</b>	1.42
<b>Variation (%)</b>	0.80

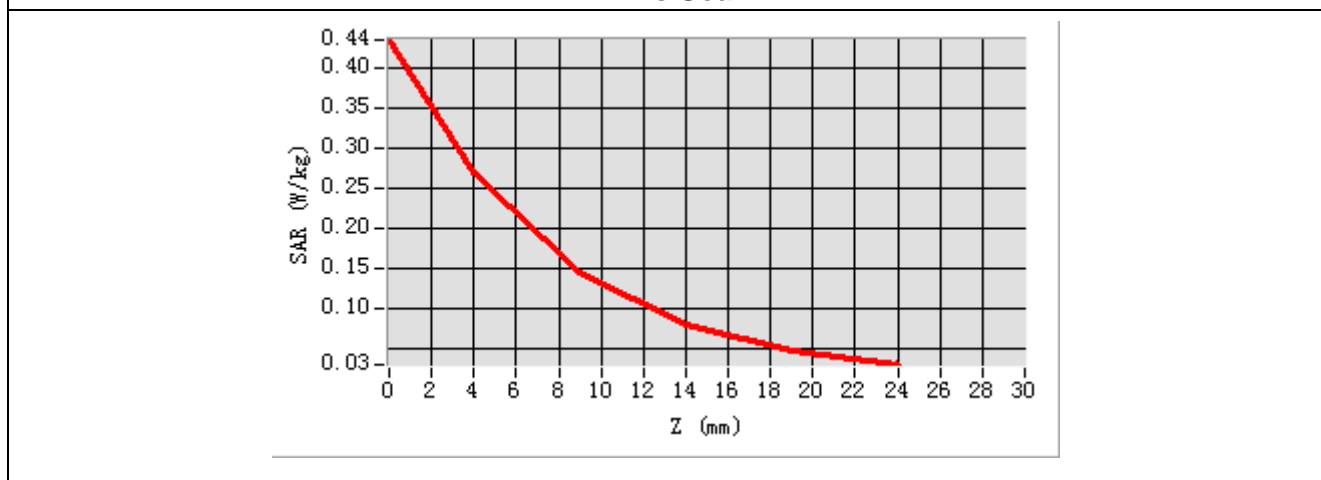
**Maximum location: X=-9.00, Y=-11.00**

**SAR Peak: 0.44 W/kg**

<b>SAR 10g (W/Kg)</b>	0.143867
<b>SAR 1g (W/Kg)</b>	0.256267



### Z Axis Scan



## Testing result (LTE Band 2, Extremity Bottom, Middle, 0mm)

Type: phone measurement

Date of measurement: 07/07/2023

### 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)

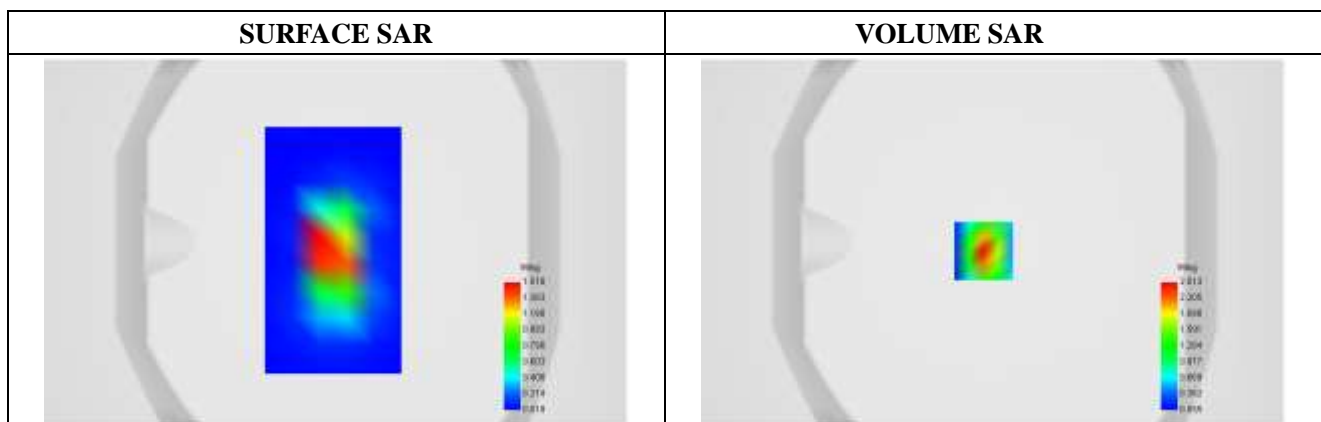
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	1880.0
<b>Relative permittivity (real part)</b>	40.55
<b>Conductivity (S/m)</b>	1.42
<b>Variation (%)</b>	1.54

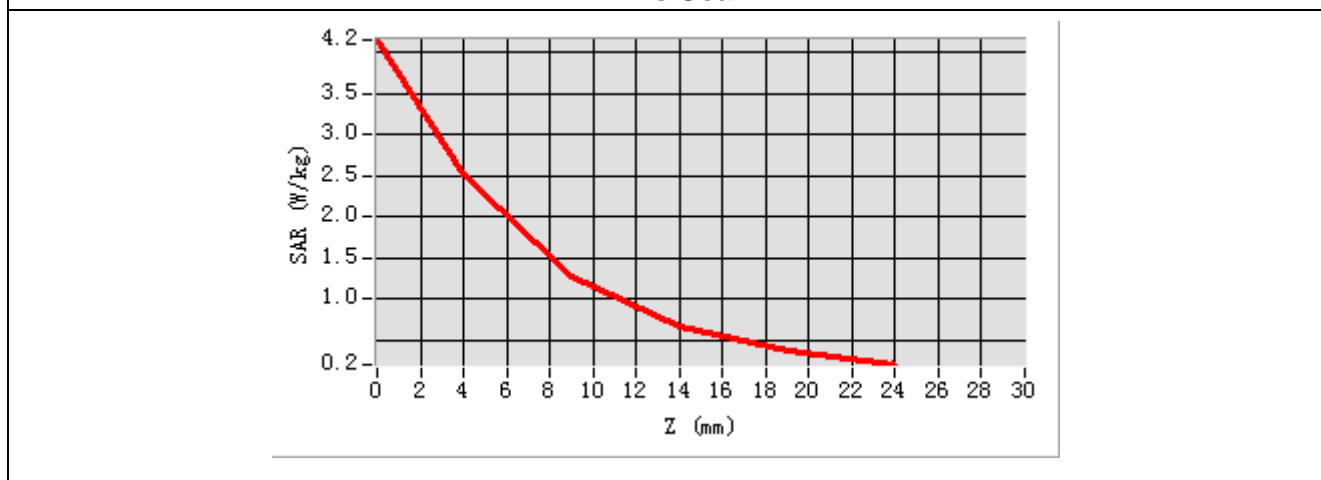
Maximum location: X=-6.00, Y=-5.00

SAR Peak: 4.17 W/kg

<b>SAR 10g (W/Kg)</b>	1.058160
<b>SAR 1g (W/Kg)</b>	2.267169



### Z Axis Scan



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

Type: phone measurement

Date of measurement: 07/10/2023

### 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>	Middle
<b>Signal</b>	LTE(Crest factor: 1.0)

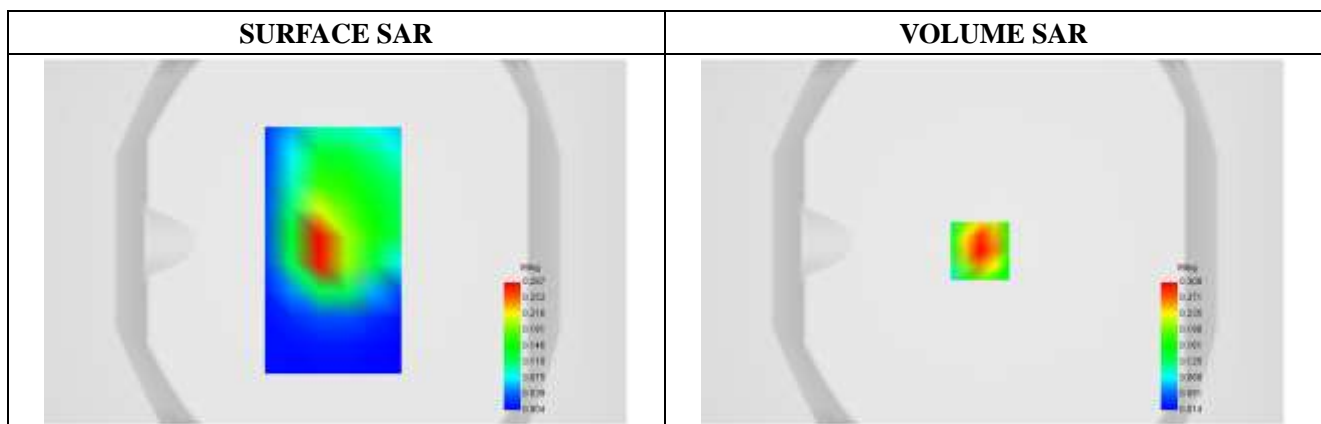
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	1732.5
<b>Relative permittivity (real part)</b>	40.54
<b>Conductivity (S/m)</b>	1.34
<b>Variation (%)</b>	0.32

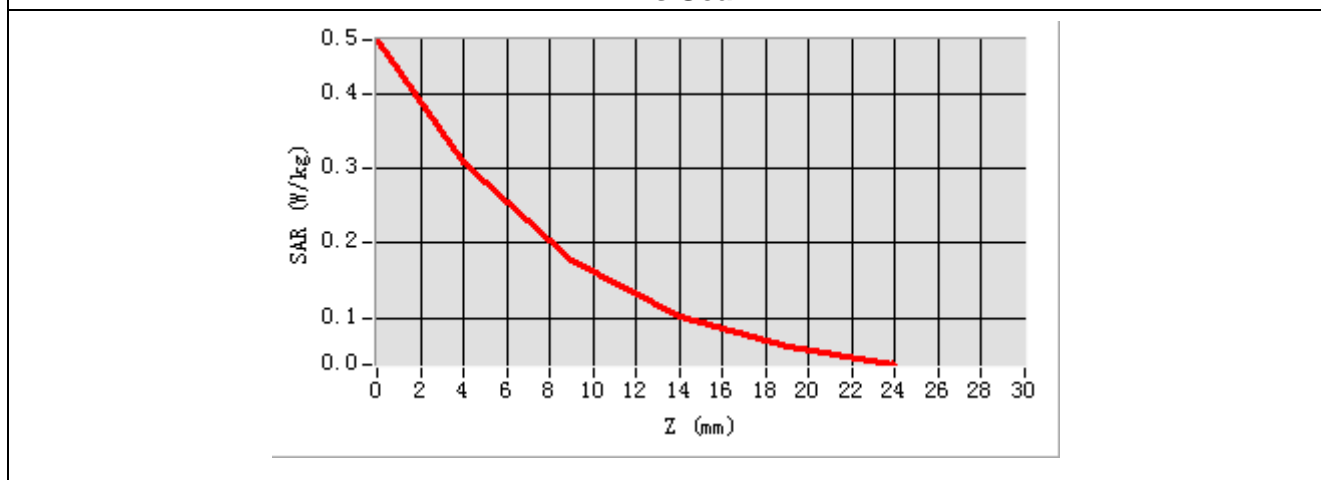
**Maximum location: X=-8.00, Y=-5.00**

**SAR Peak: 0.47 W/kg**

<b>SAR 10g (W/Kg)</b>	0.163450
<b>SAR 1g (W/Kg)</b>	0.289624



### Z Axis Scan





## Testing result (LTE Band 4, Extremity Bottom, Middle, 0mm)

Type: phone measurement

Date of measurement: 07/10/2023

### 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>	Middle
<b>Signal</b>	LTE(Crest factor: 1.0)

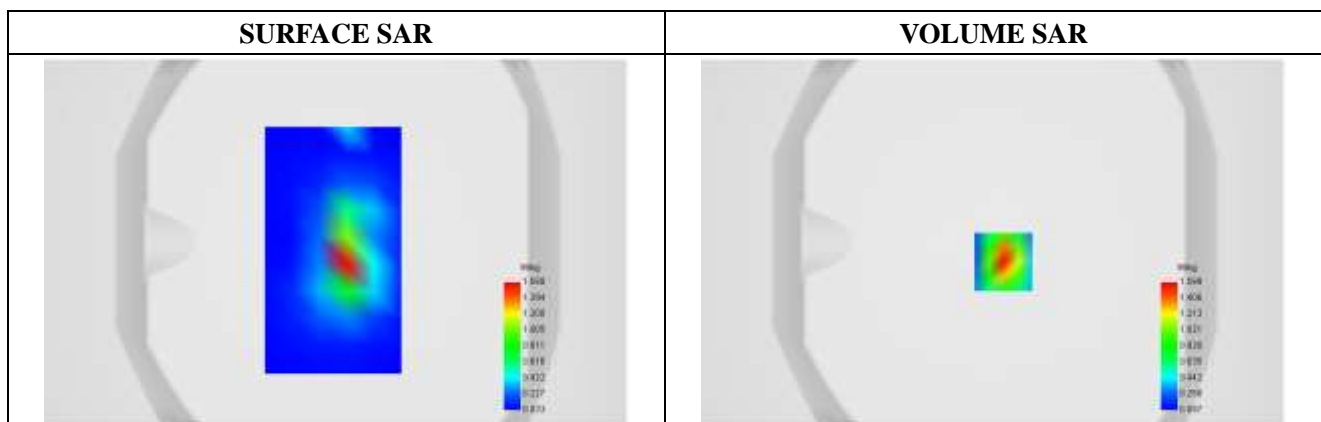
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	1732.5
<b>Relative permittivity (real part)</b>	40.54
<b>Conductivity (S/m)</b>	1.34
<b>Variation (%)</b>	-2.90

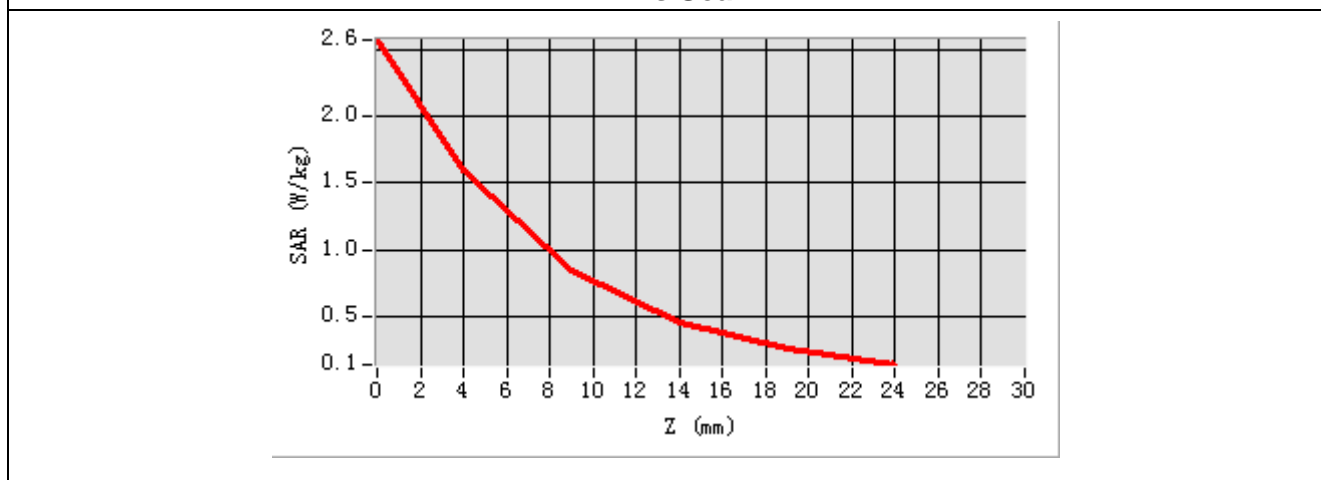
Maximum location: X=5.00, Y=-11.00

SAR Peak: 2.58 W/kg

<b>SAR 10g (W/Kg)</b>	0.702850
<b>SAR 1g (W/Kg)</b>	1.446455



### Z Axis Scan



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

Type: phone measurement

Date of measurement: 07/13/2023

### 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)

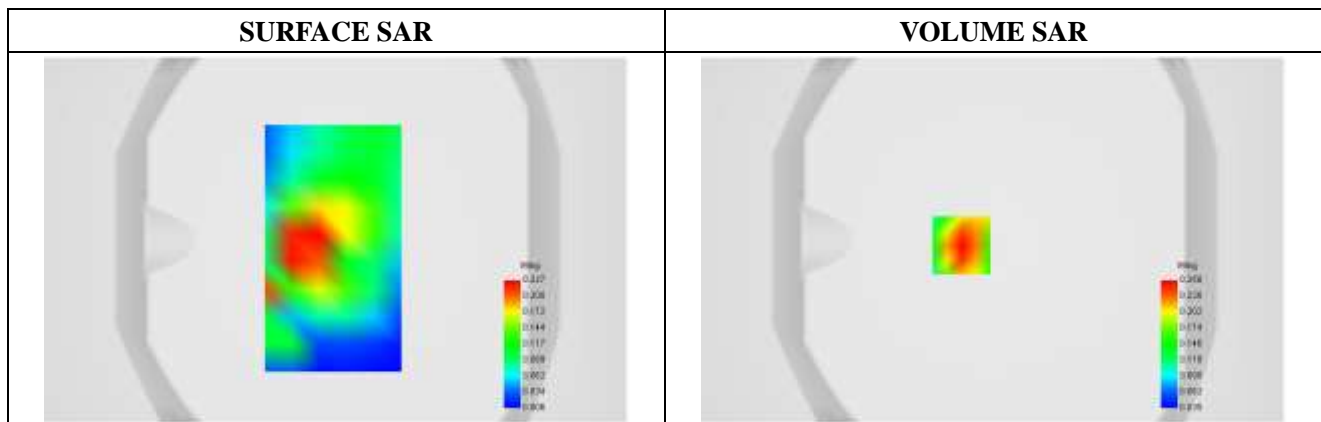
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	836.5
<b>Relative permittivity (real part)</b>	41.67
<b>Conductivity (S/m)</b>	0.89
<b>Variation (%)</b>	0.30

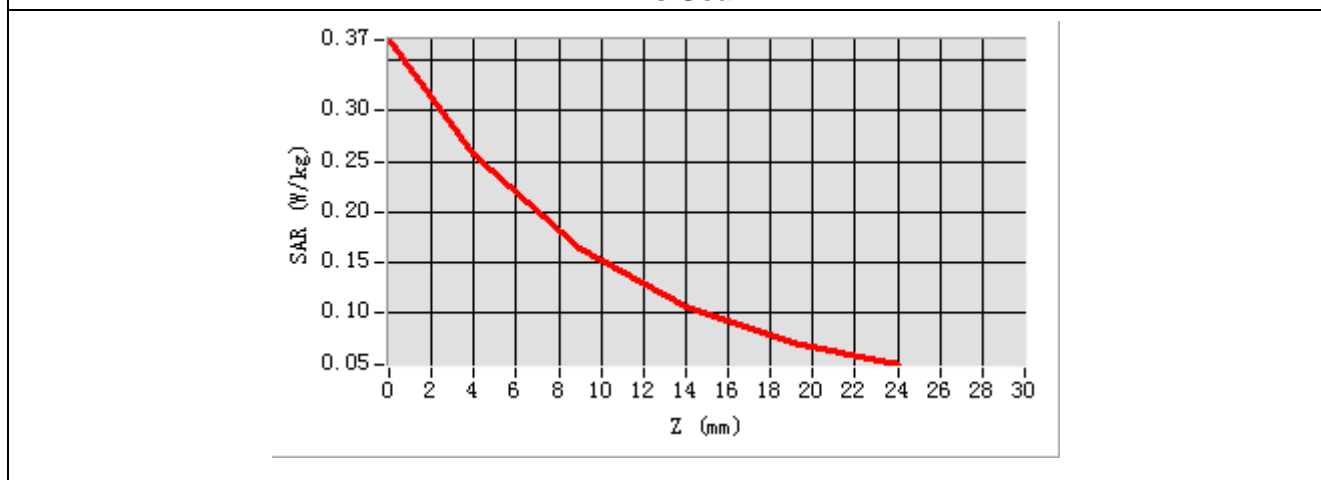
Maximum location: X=-18.00, Y=-3.00

SAR Peak: 0.37 W/kg

<b>SAR 10g (W/Kg)</b>	0.150450
<b>SAR 1g (W/Kg)</b>	0.243705



### Z Axis Scan



## Testing result (LTE Band 5, Extremity Front, Middle, 0mm)

Type: phone measurement

Date of measurement: 07/13/2023

### 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)

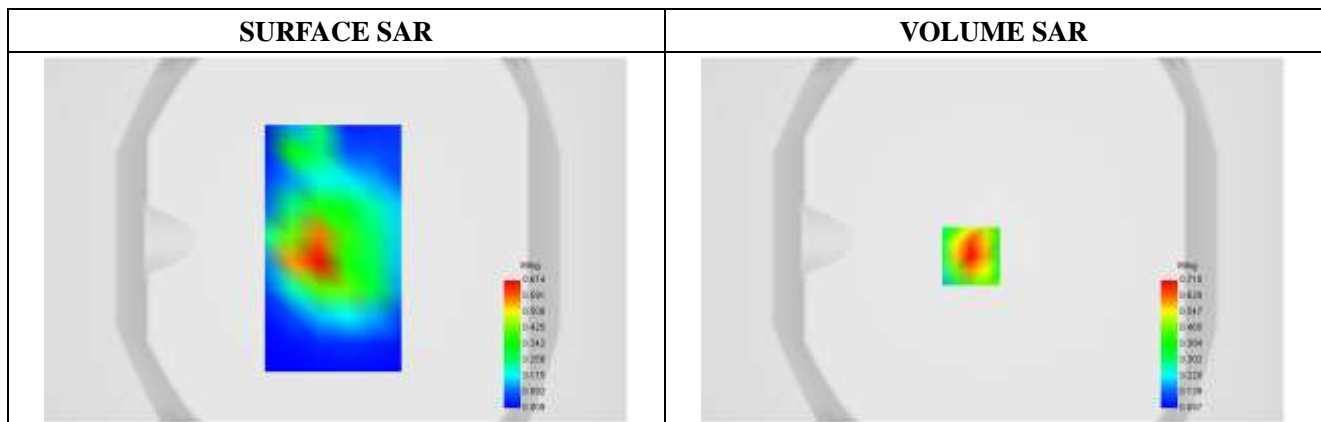
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	836.5
<b>Relative permittivity (real part)</b>	41.67
<b>Conductivity (S/m)</b>	0.89
<b>Variation (%)</b>	-0.21

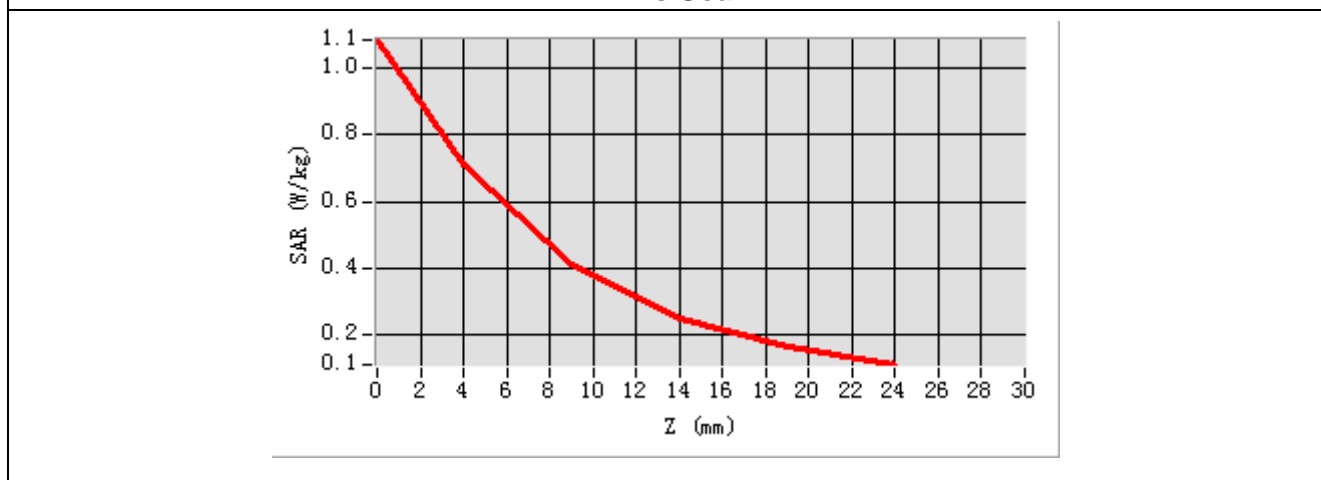
**Maximum location: X=-13.00, Y=-9.00**

**SAR Peak: 1.09 W/kg**

<b>SAR 10g (W/Kg)</b>	0.385735
<b>SAR 1g (W/Kg)</b>	0.666781



### Z Axis Scan



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

Type: phone measurement

Date of measurement: 06/29/2023

### 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)

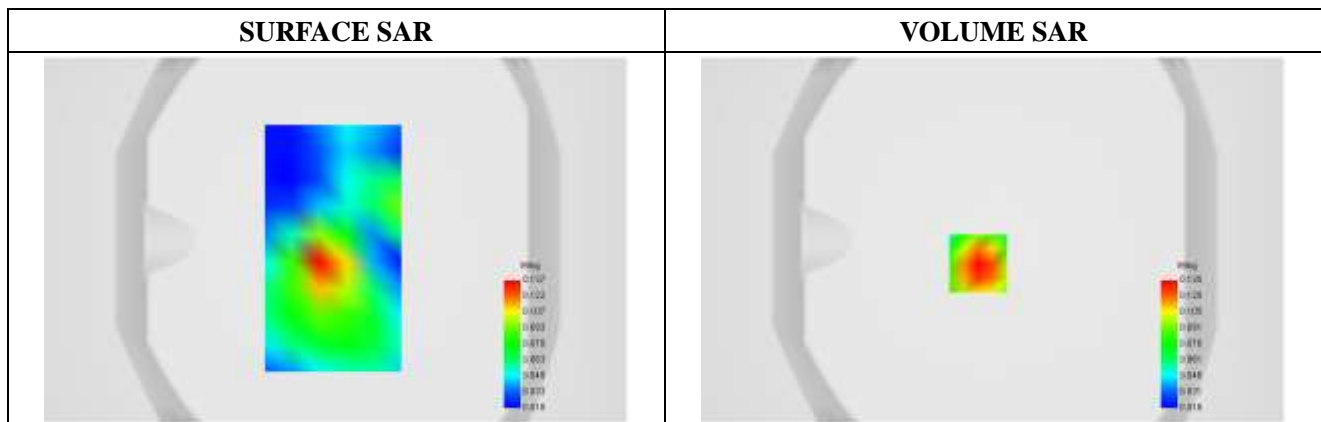
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	2535.0
<b>Relative permittivity (real part)</b>	39.21
<b>Conductivity (S/m)</b>	1.89
<b>Variation (%)</b>	-0.17

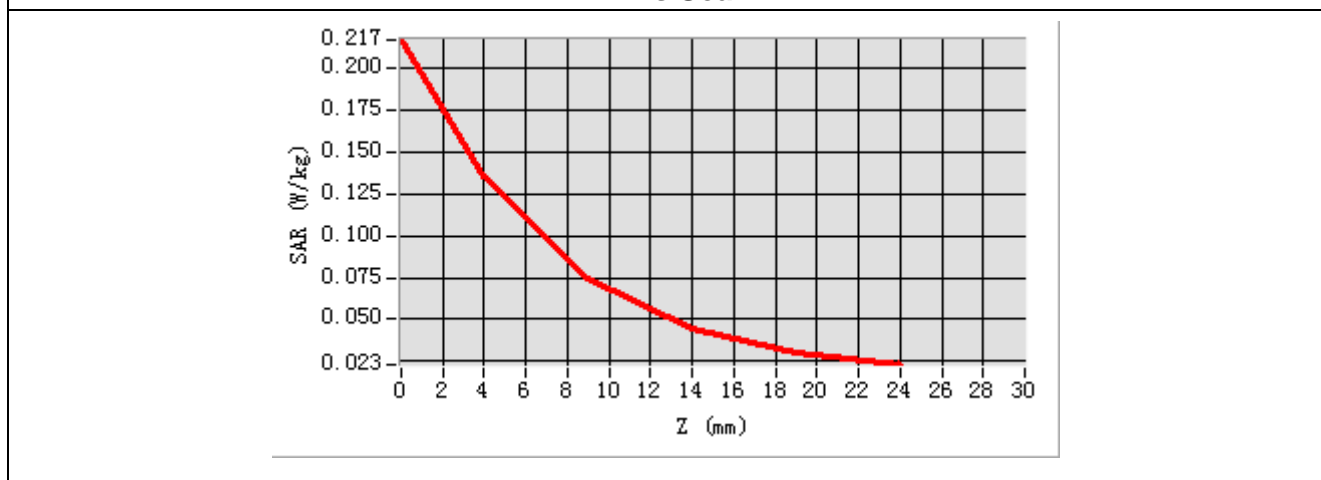
Maximum location: X=-9.00, Y=-13.00

SAR Peak: 0.22 W/kg

<b>SAR 10g (W/Kg)</b>	0.074617
<b>SAR 1g (W/Kg)</b>	0.128809



### Z Axis Scan



## Testing result (LTE Band 7, Extremity Bottom, Middle, 0mm)

Type: phone measurement

Date of measurement: 06/29/2023

### 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)

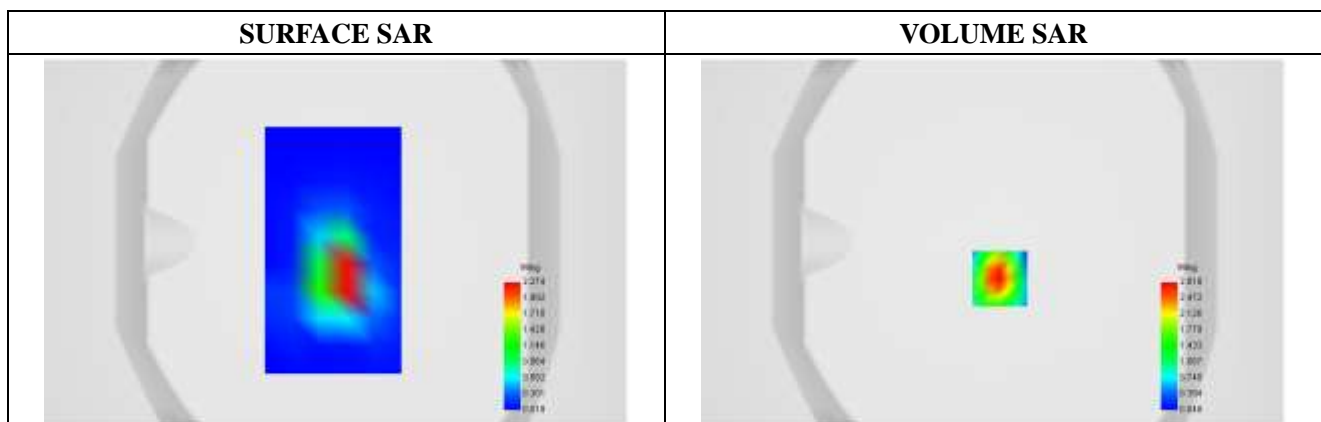
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	2535.0
<b>Relative permittivity (real part)</b>	39.21
<b>Conductivity (S/m)</b>	1.89
<b>Variation (%)</b>	1.01

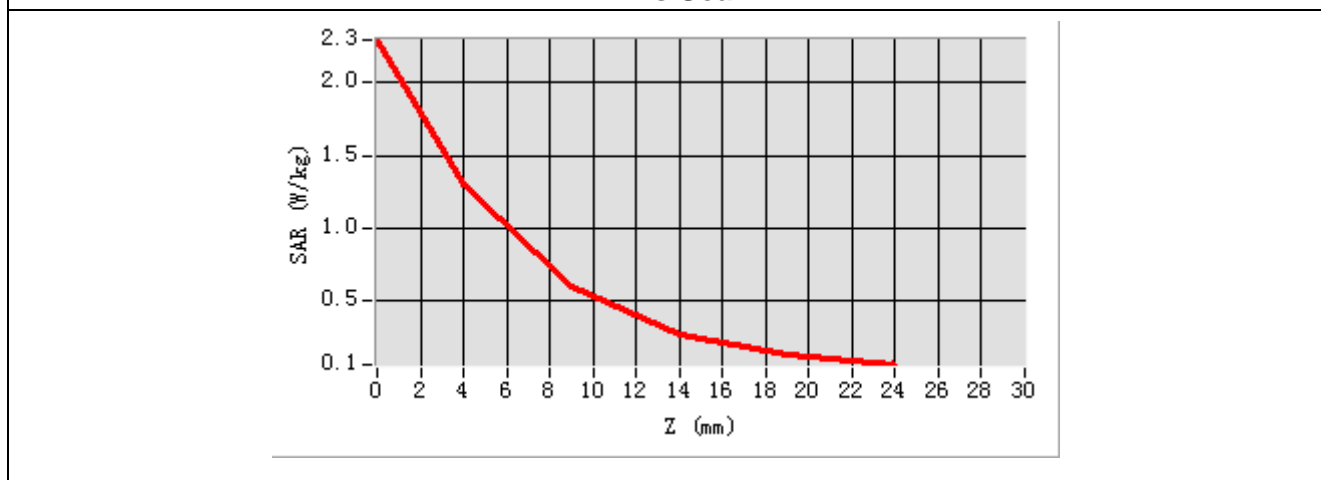
Maximum location: X=0.00, Y=3.00

SAR Peak: 3.80 W/kg

<b>SAR 10g (W/Kg)</b>	0.929363
<b>SAR 1g (W/Kg)</b>	1.978385



### Z Axis Scan



## Testing result (LTE Band 38, Front to Face, Middle, 10mm)

Type: phone measurement

Date of measurement: 06/29/2023

### 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)

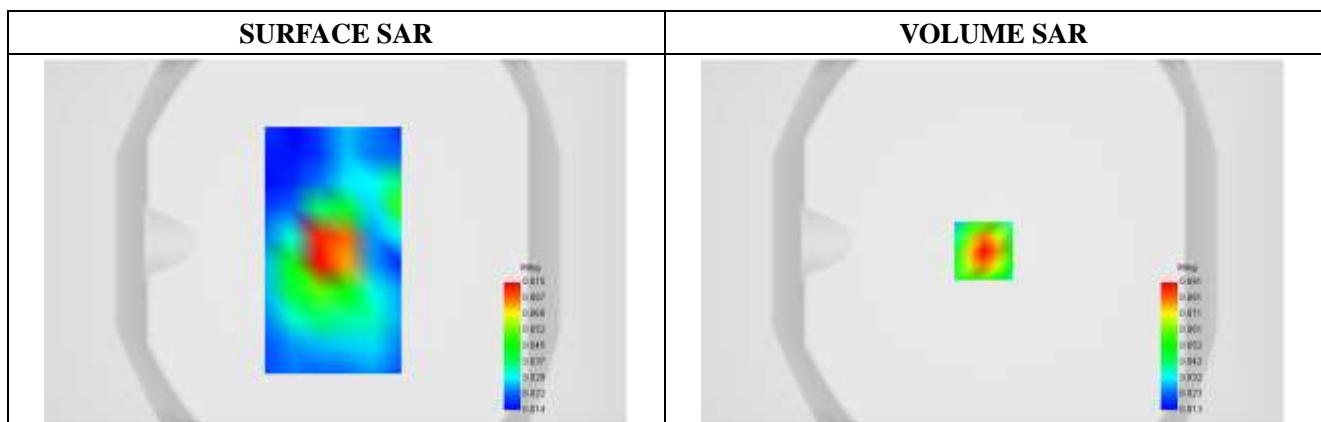
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	2595.0
<b>Relative permittivity (real part)</b>	39.15
<b>Conductivity (S/m)</b>	1.94
<b>Variation (%)</b>	-0.83

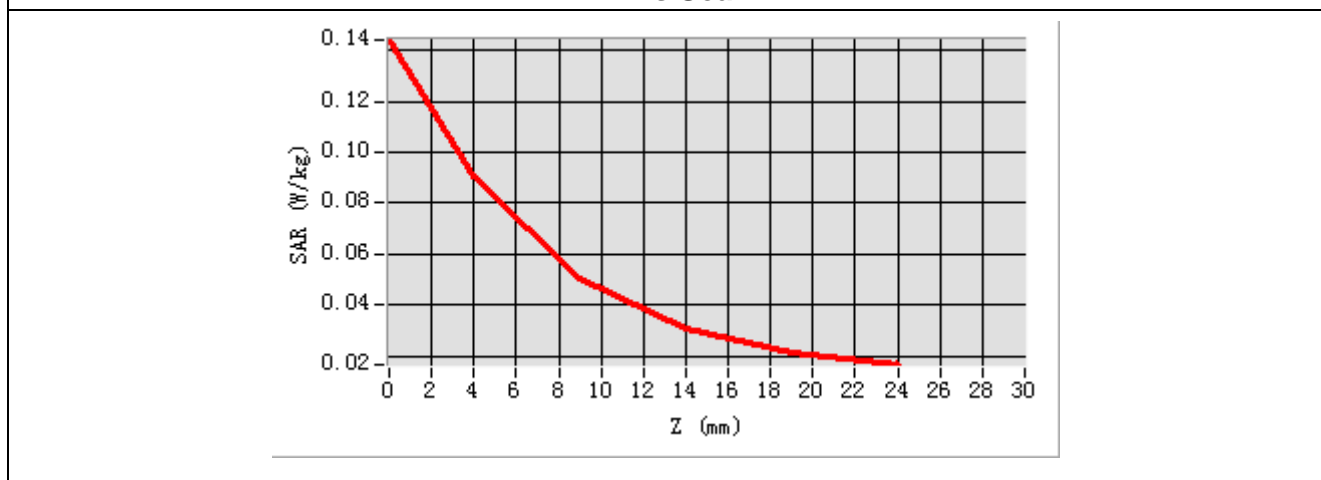
**Maximum location: X=-6.00, Y=-5.00**

**SAR Peak: 0.14 W/kg**

<b>SAR 10g (W/Kg)</b>	0.048261
<b>SAR 1g (W/Kg)</b>	0.084945



### Z Axis Scan



## Testing result (LTE Band 38, Extremity Bottom, Middle, 0mm)

Type: phone measurement

Date of measurement: 06/29/2023

### 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)

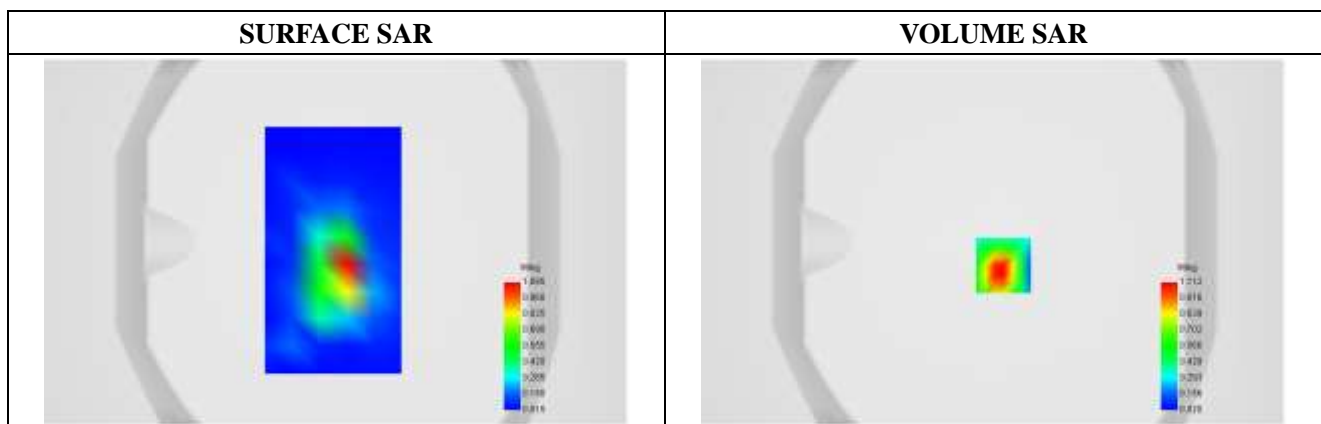
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	2595.0
<b>Relative permittivity (real part)</b>	39.15
<b>Conductivity (S/m)</b>	1.94
<b>Variation (%)</b>	0.59

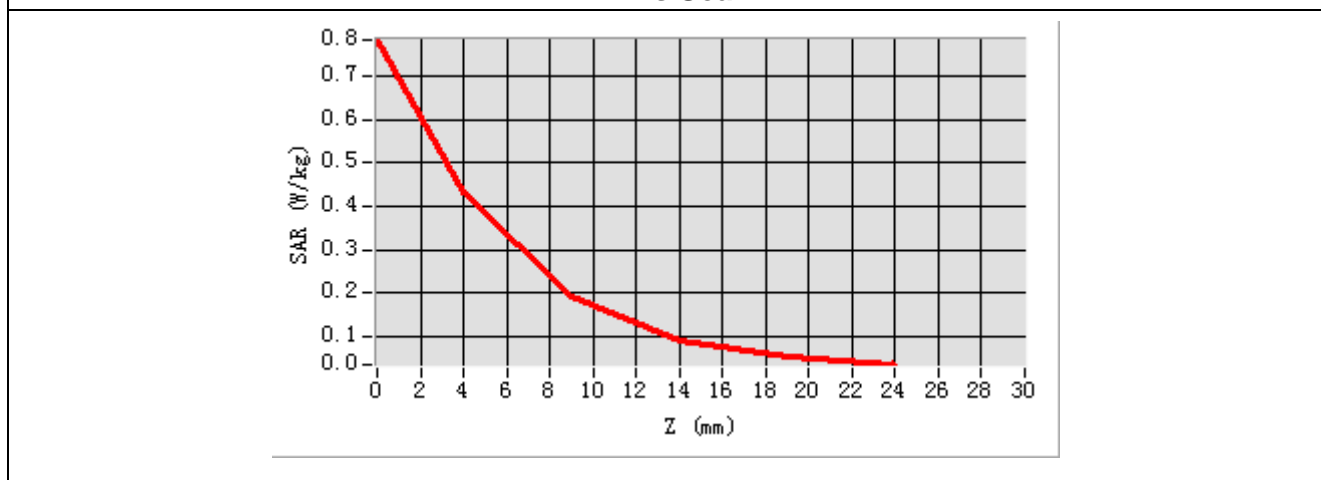
Maximum location: X=-9.00, Y=-11.00

SAR Peak: 0.79 W/kg

<b>SAR 10g (W/Kg)</b>	0.197906
<b>SAR 1g (W/Kg)</b>	0.405992



**Z Axis Scan**



## Testing result (LTE Band 41, Front to Face, Middle, 10mm)

Type: phone measurement

Date of measurement: 06/29/2023

### 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)

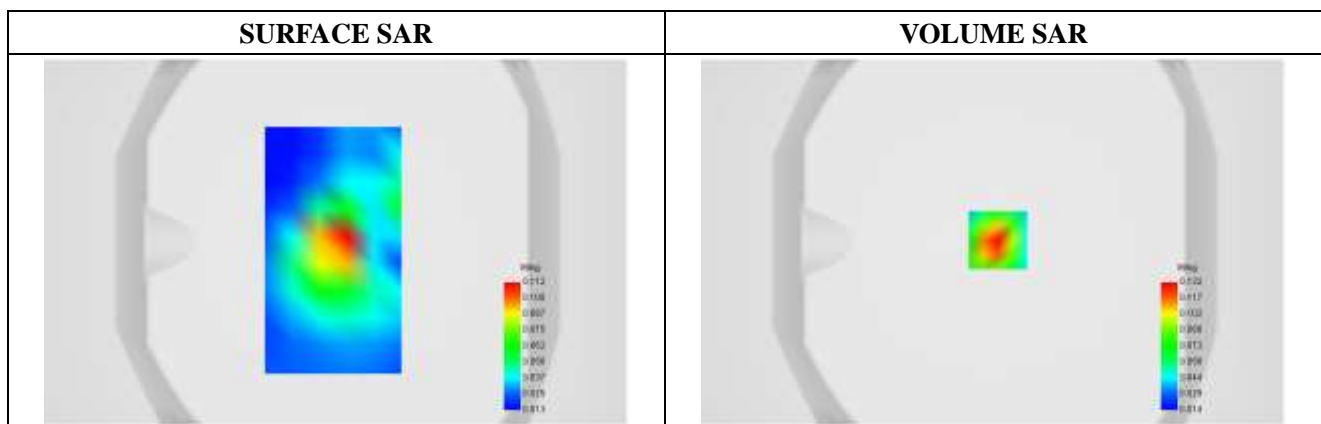
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	2593.0
<b>Relative permittivity (real part)</b>	39.15
<b>Conductivity (S/m)</b>	1.94
<b>Variation (%)</b>	-0.96

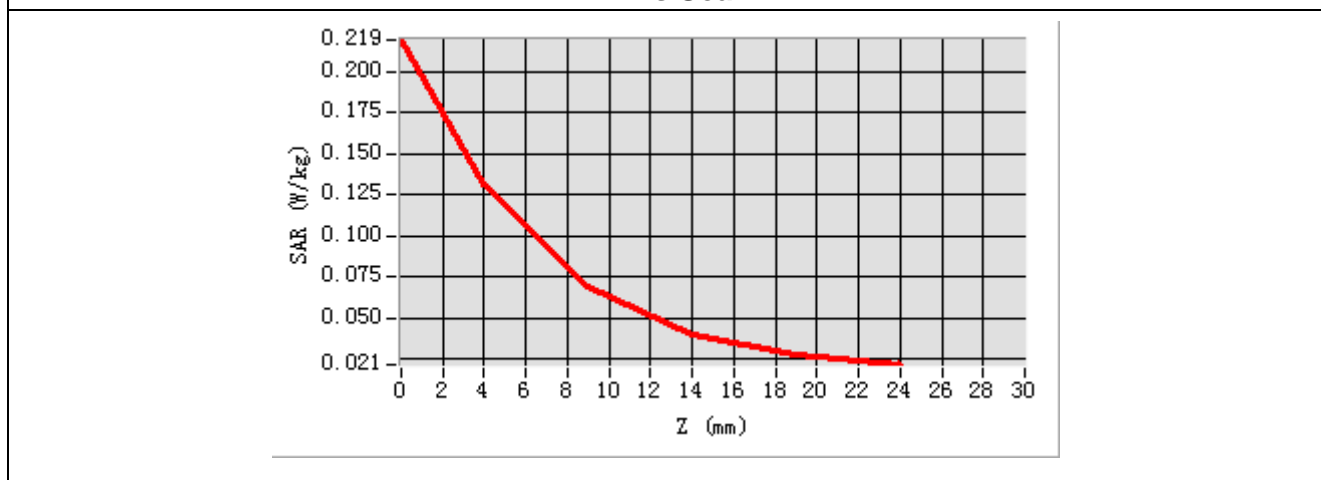
**Maximum location: X=2.00, Y=1.00**

**SAR Peak: 0.22 W/kg**

<b>SAR 10g (W/Kg)</b>	0.066642
<b>SAR 1g (W/Kg)</b>	0.124288



### Z Axis Scan





## Testing result (LTE Band 41, Extremity Bottom, Middle, 0mm)

Type: phone measurement

Date of measurement: 06/29/2023

### 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)

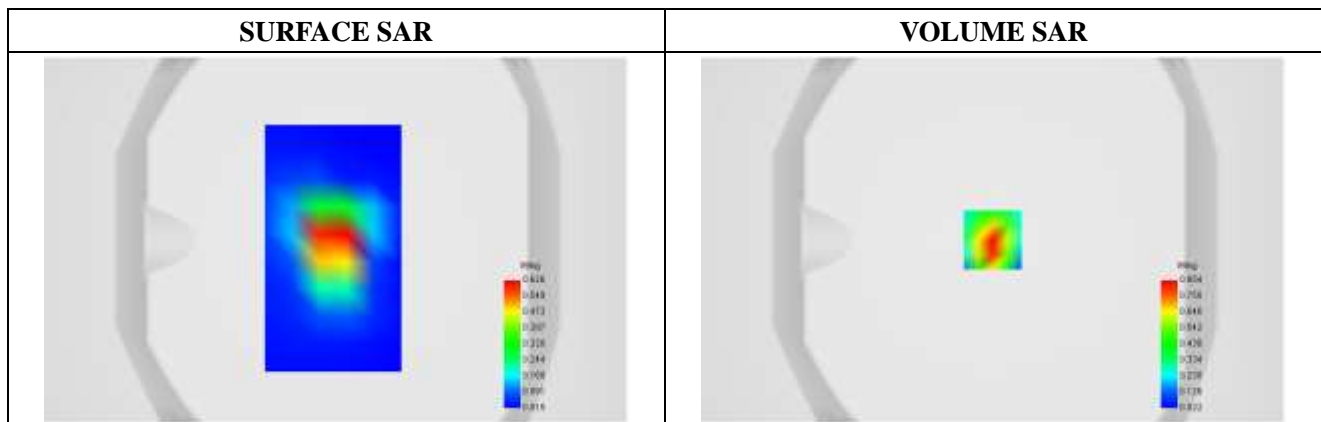
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	2593.0
<b>Relative permittivity (real part)</b>	39.15
<b>Conductivity (S/m)</b>	1.94
<b>Variation (%)</b>	-0.59

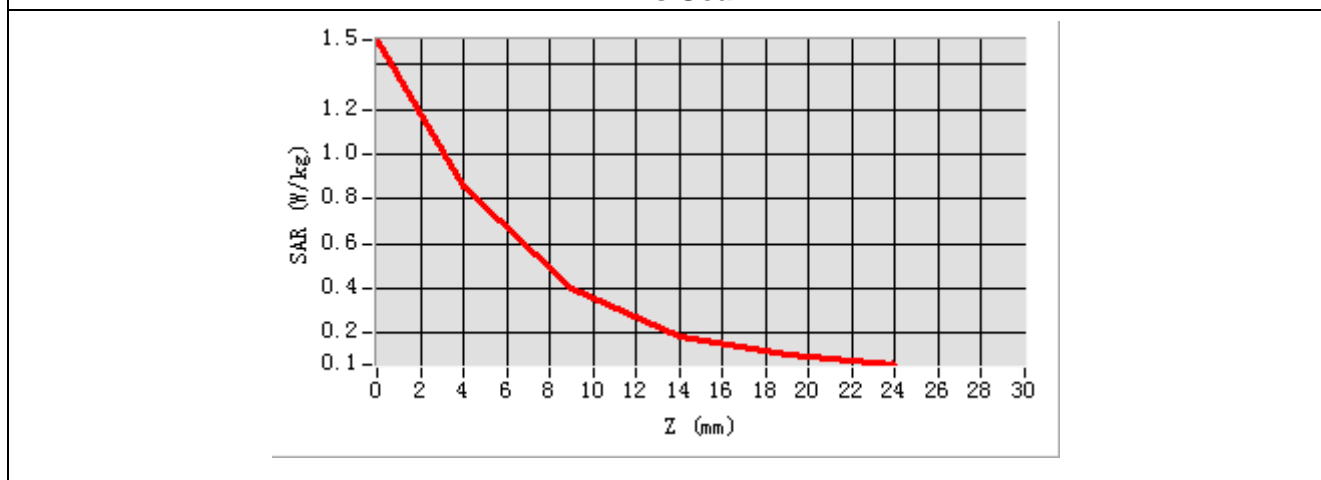
Maximum location: X=-1.00, Y=0.00

SAR Peak: 1.54 W/kg

<b>SAR 10g (W/Kg)</b>	0.379476
<b>SAR 1g (W/Kg)</b>	0.799943



### Z Axis Scan



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

Type: phone measurement

Date of measurement: 07/07/2023

### 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)

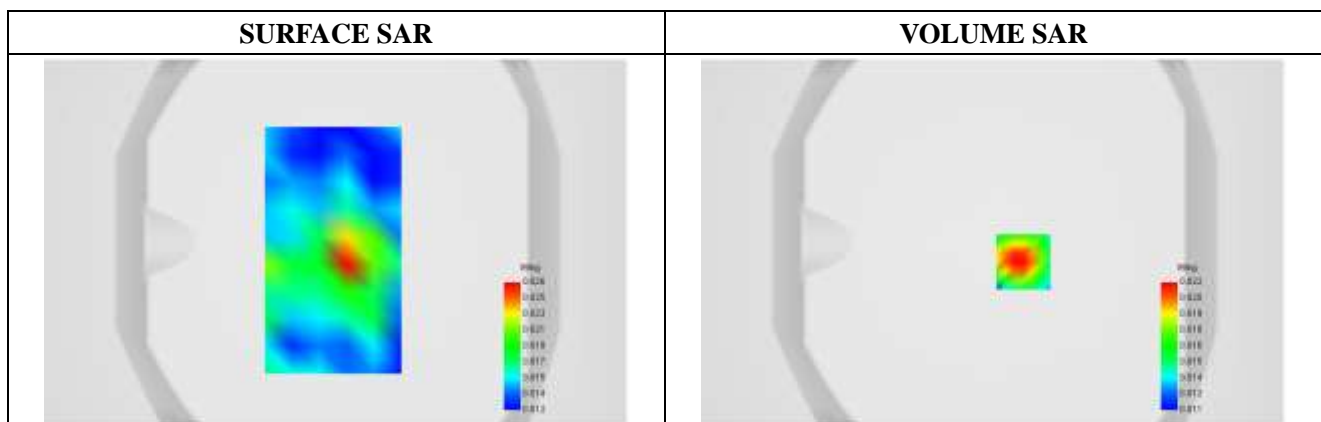
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	2437.0
<b>Relative permittivity (real part)</b>	40.12
<b>Conductivity (S/m)</b>	1.80
<b>Variation (%)</b>	-1.56

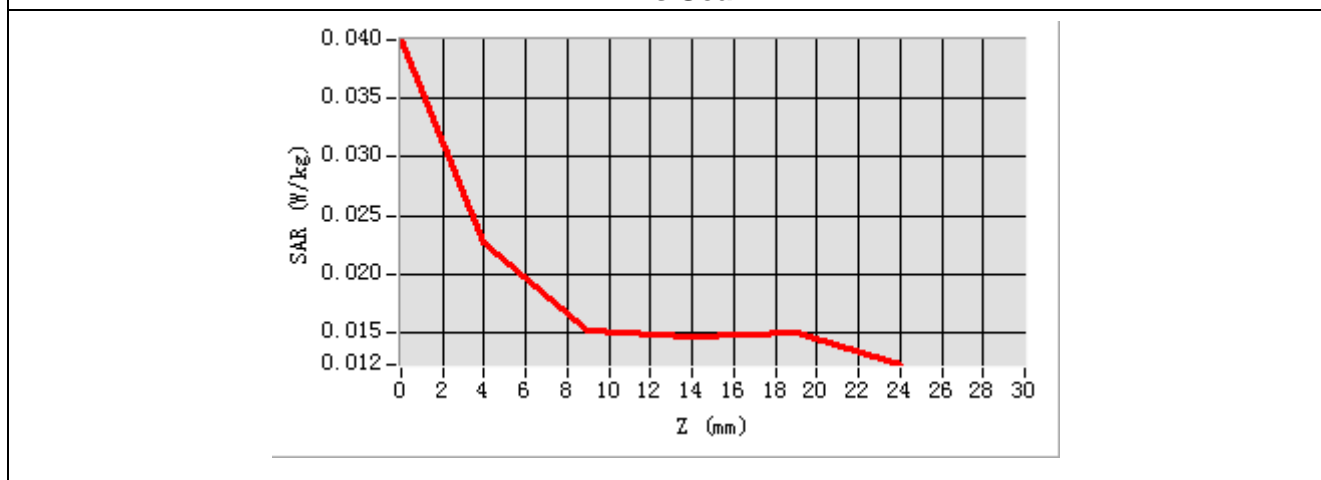
Maximum location: X=6.00, Y=-11.00

SAR Peak: 0.03 W/kg

<b>SAR 10g (W/Kg)</b>	0.017447
<b>SAR 1g (W/Kg)</b>	0.021198



### Z Axis Scan



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

Type: phone measurement

Date of measurement: 07/07/2023

### 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)

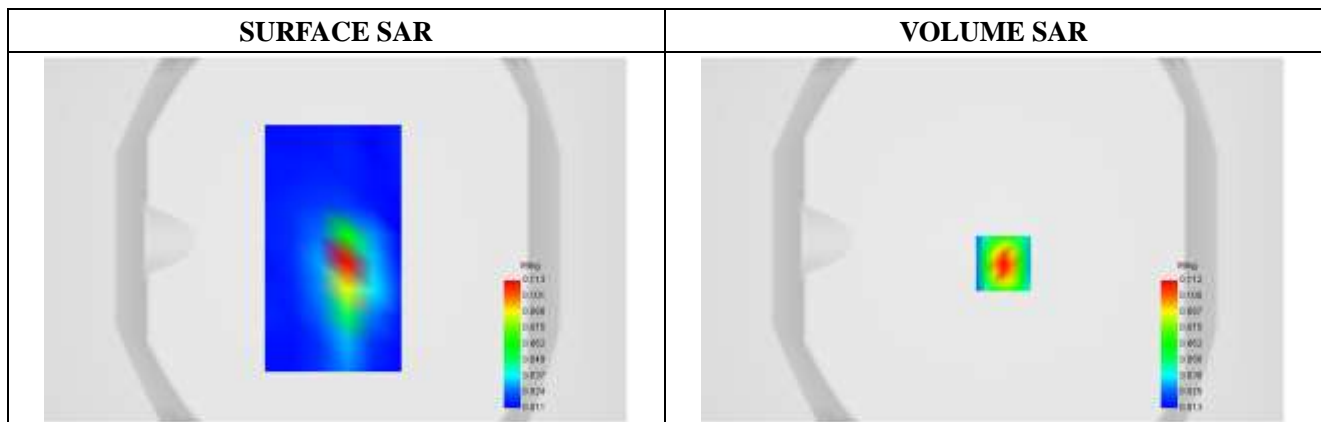
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	2437.0
<b>Relative permittivity (real part)</b>	40.12
<b>Conductivity (S/m)</b>	1.80
<b>Variation (%)</b>	-1.99

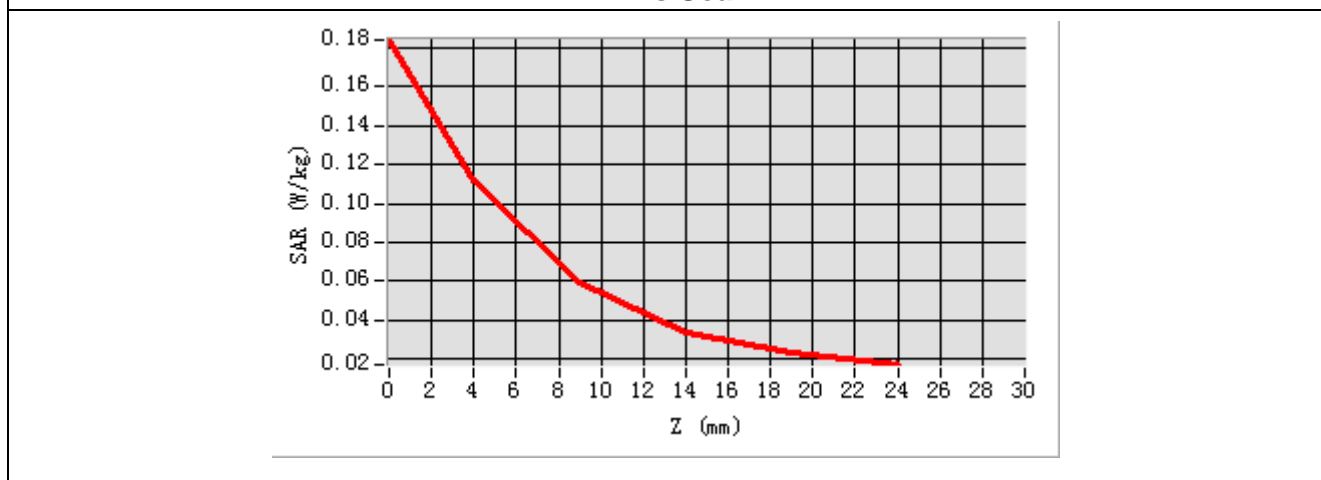
Maximum location: X=5.00, Y=-13.00

SAR Peak: 0.18 W/kg

<b>SAR 10g (W/Kg)</b>	0.052732
<b>SAR 1g (W/Kg)</b>	0.101012



### Z Axis Scan



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

Type: phone measurement

Date of measurement: 07/04/2023

### 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)

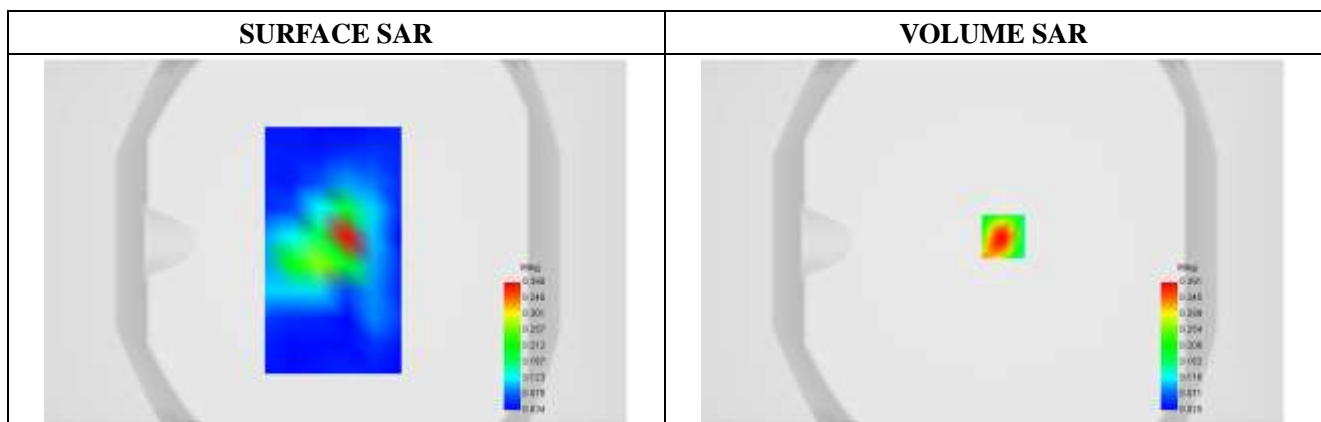
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	5220.0
<b>Relative permittivity (real part)</b>	36.18
<b>Conductivity (S/m)</b>	4.64
<b>Variation (%)</b>	-0.40

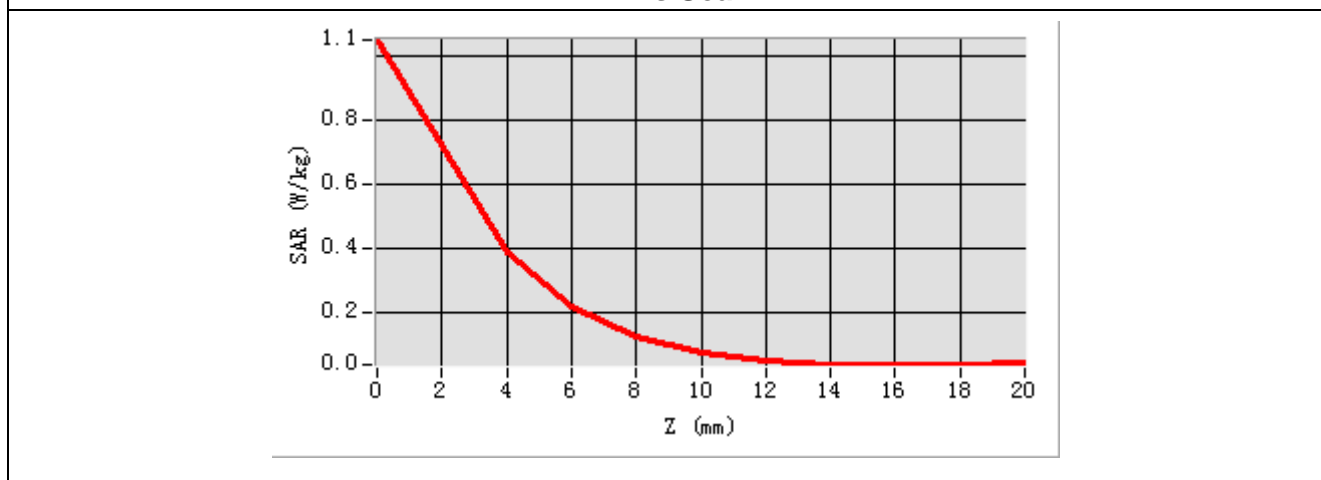
**Maximum location: X=5.00, Y=3.00**

**SAR Peak: 1.06 W/kg**

<b>SAR 10g (W/Kg)</b>	0.165821
<b>SAR 1g (W/Kg)</b>	0.386547



### Z Axis Scan



## Testing result (WI-FI U-NII 1 802.11a, Extremity Front, Middle, 0mm)

Type: phone measurement

Date of measurement: 07/04/2023

### 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)

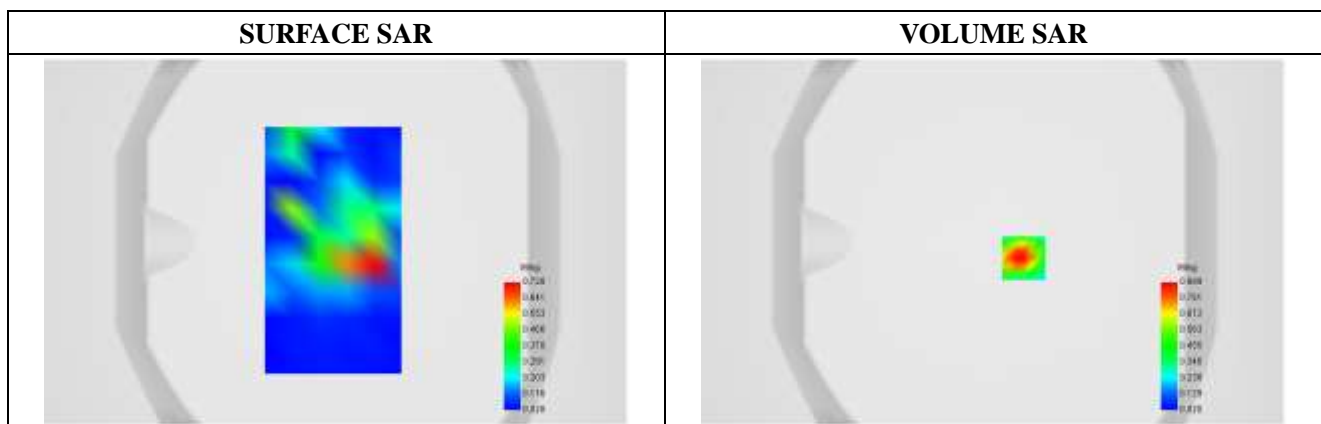
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	5220.0
<b>Relative permittivity (real part)</b>	36.18
<b>Conductivity (S/m)</b>	4.64
<b>Variation (%)</b>	-1.01

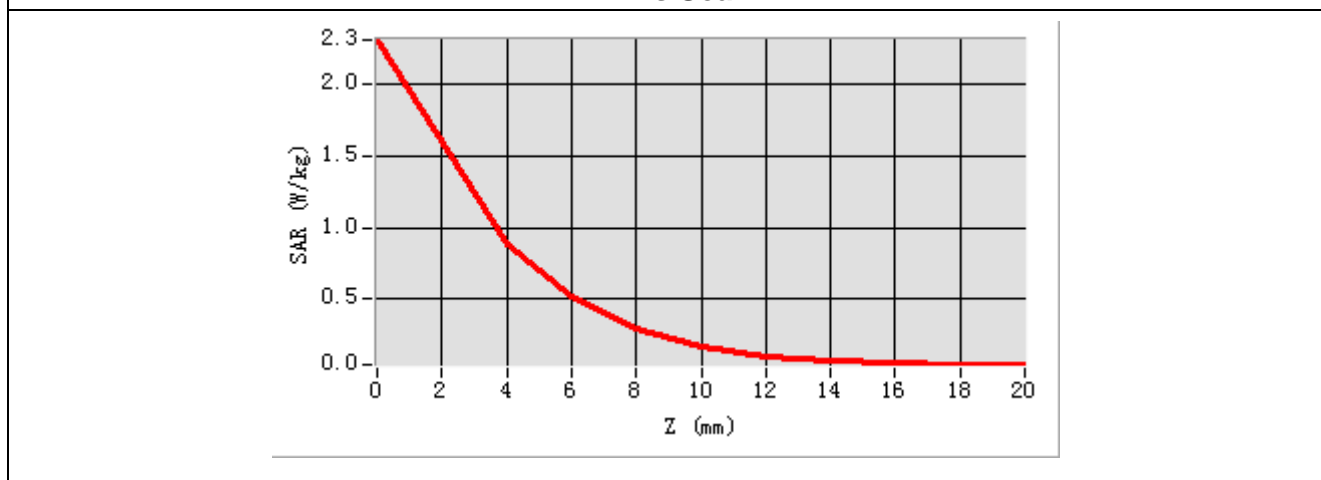
Maximum location: X=16.00, Y=-9.00

SAR Peak: 1.06 W/kg

<b>SAR 10g (W/Kg)</b>	0.342022
<b>SAR 1g (W/Kg)</b>	0.881315



### Z Axis Scan



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

Type: phone measurement

Date of measurement: 07/04/2023

### 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)

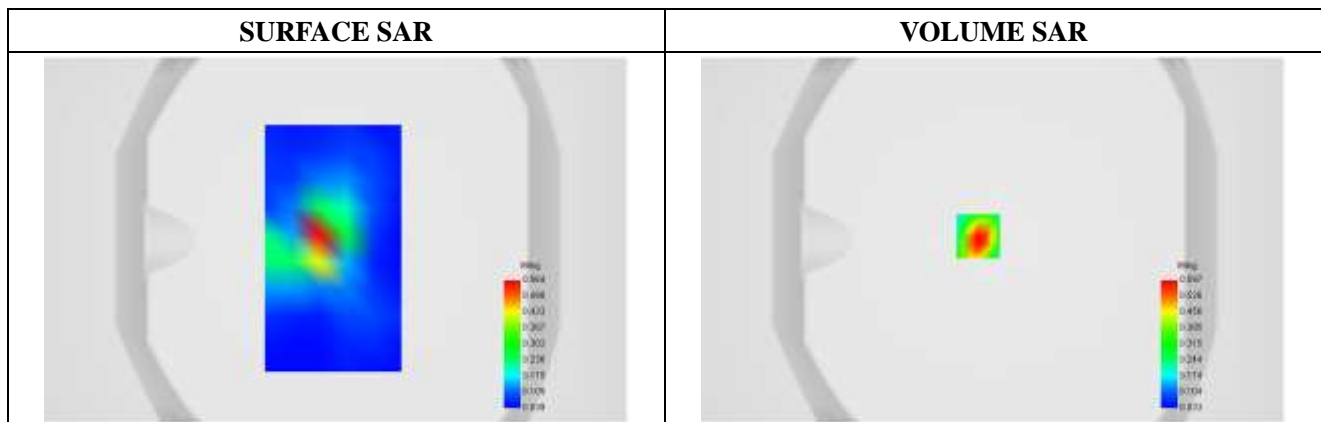
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	5300.0
<b>Relative permittivity (real part)</b>	35.86
<b>Conductivity (S/m)</b>	4.81
<b>Variation (%)</b>	-0.61

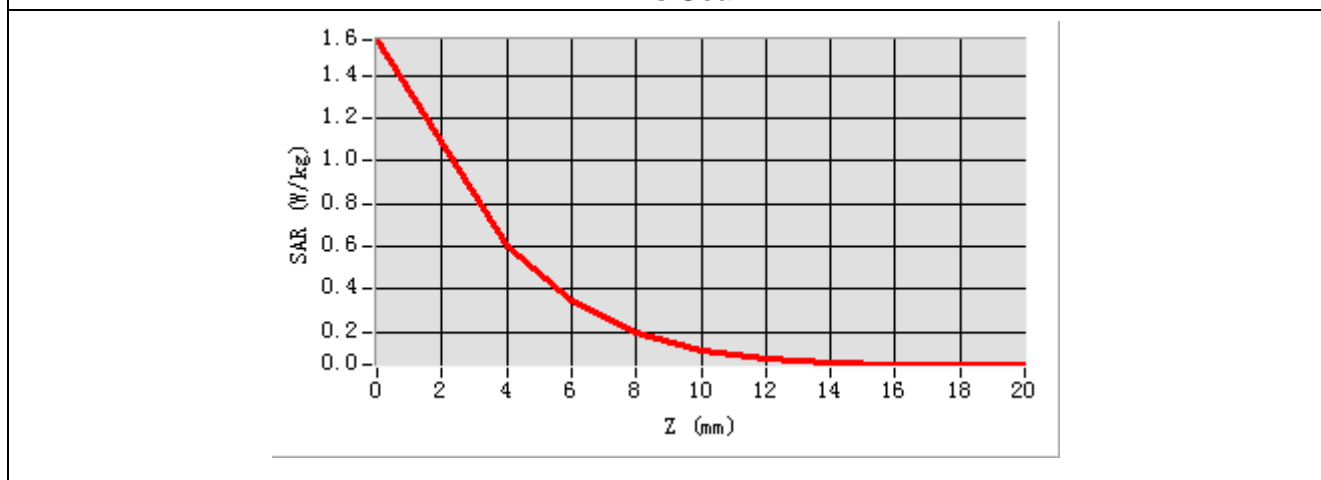
**Maximum location: X=-10.00, Y=-12.00**

**SAR Peak: 1.58 W/kg**

<b>SAR 10g (W/Kg)</b>	0.144584
<b>SAR 1g (W/Kg)</b>	0.365224



### Z Axis Scan



## Testing result (WI-FI U-NII 2a 802.11a, Extremity Front, Middle, 0mm)

Type: phone measurement

Date of measurement: 07/04/2023

### 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)

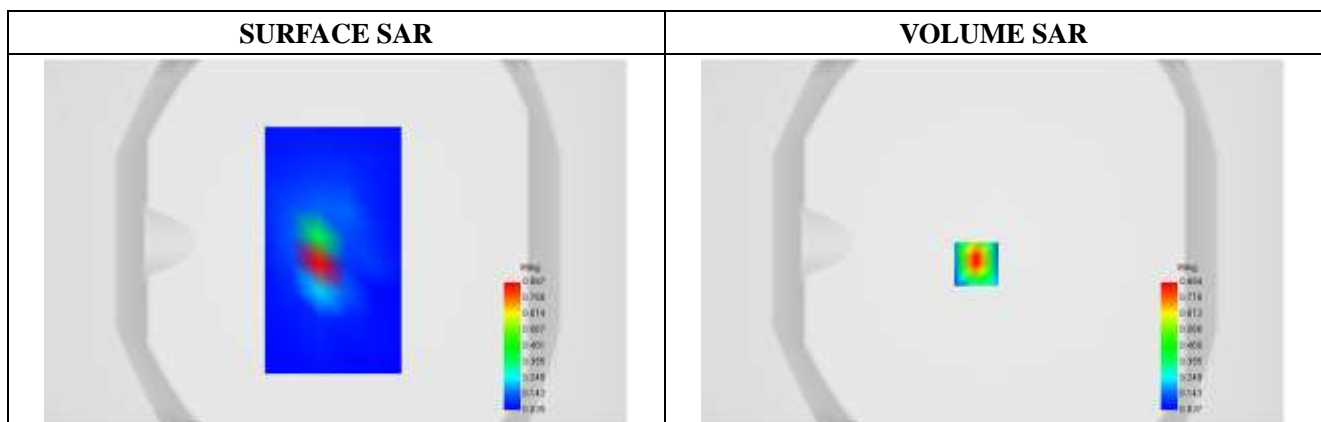
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	5300.0
<b>Relative permittivity (real part)</b>	35.86
<b>Conductivity (S/m)</b>	4.81
<b>Variation (%)</b>	1.17

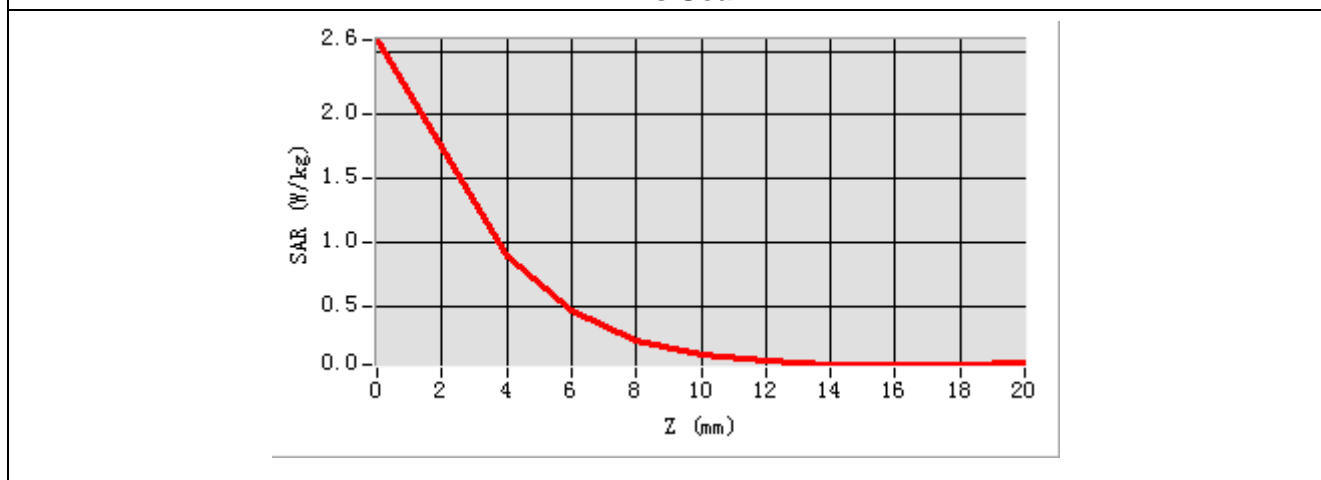
**Maximum location: X=-10.00, Y=-12.00**

**SAR Peak: 2.61 W/kg**

<b>SAR 10g (W/Kg)</b>	0.298588
<b>SAR 1g (W/Kg)</b>	0.852745



**Z Axis Scan**



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

Type: phone measurement

Date of measurement: 07/07/2023

### 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)

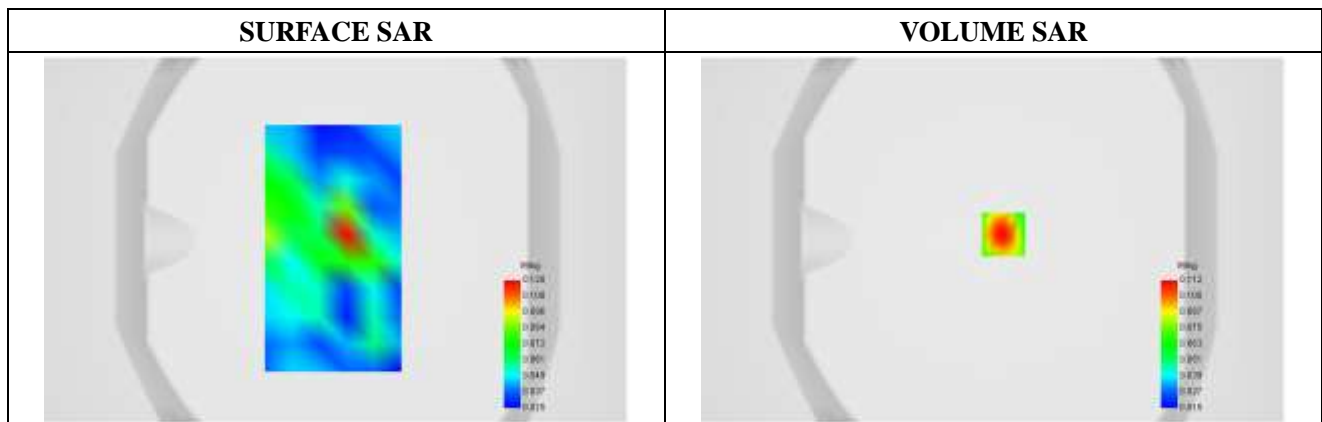
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	5600
<b>Relative permittivity (real part)</b>	35.86
<b>Conductivity (S/m)</b>	5.13
<b>Variation (%)</b>	1.38

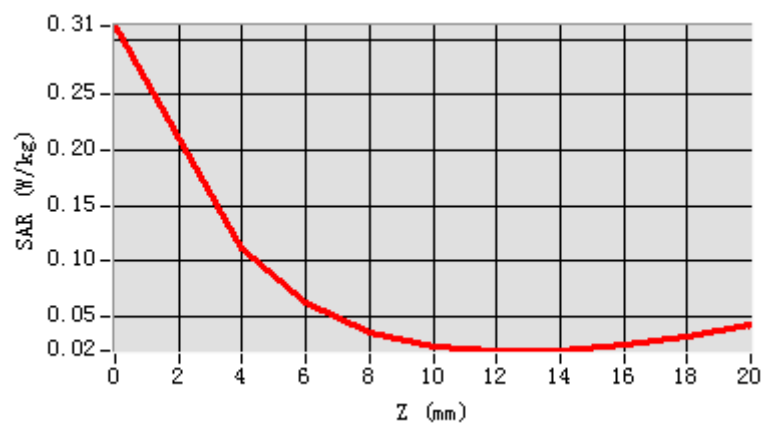
Maximum location: X=5.00, Y=3.00

SAR Peak: 0.31 W/kg

<b>SAR 10g (W/Kg)</b>	0.060976
<b>SAR 1g (W/Kg)</b>	0.116345



### Z Axis Scan





## Testing result (WI-FI U-NII 2c 802.11a, Extremity Front, Middle, 0mm)

Type: phone measurement

Date of measurement: 07/07/2023

### 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)

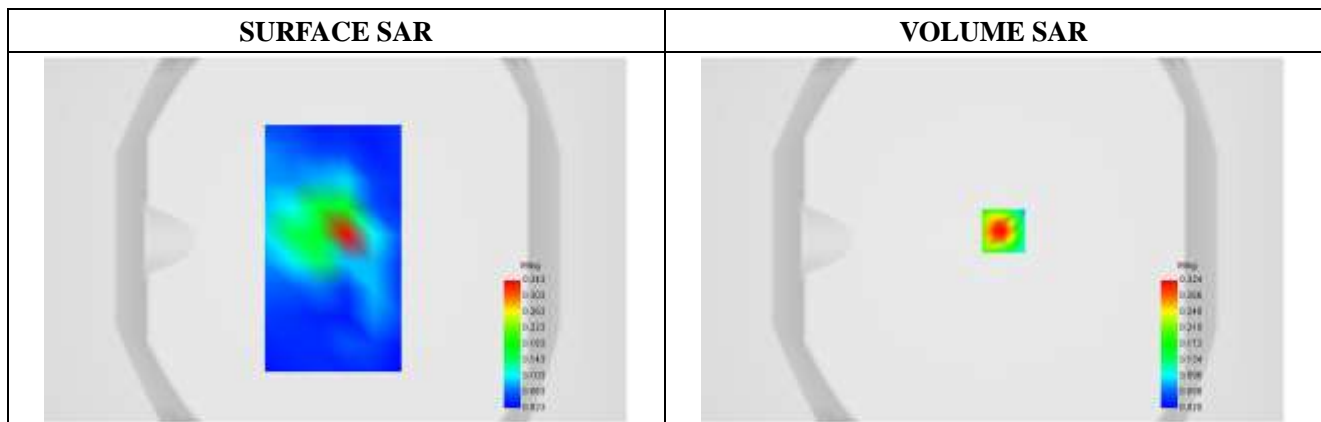
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	5600
<b>Relative permittivity (real part)</b>	35.86
<b>Conductivity (S/m)</b>	5.13
<b>Variation (%)</b>	-0.26

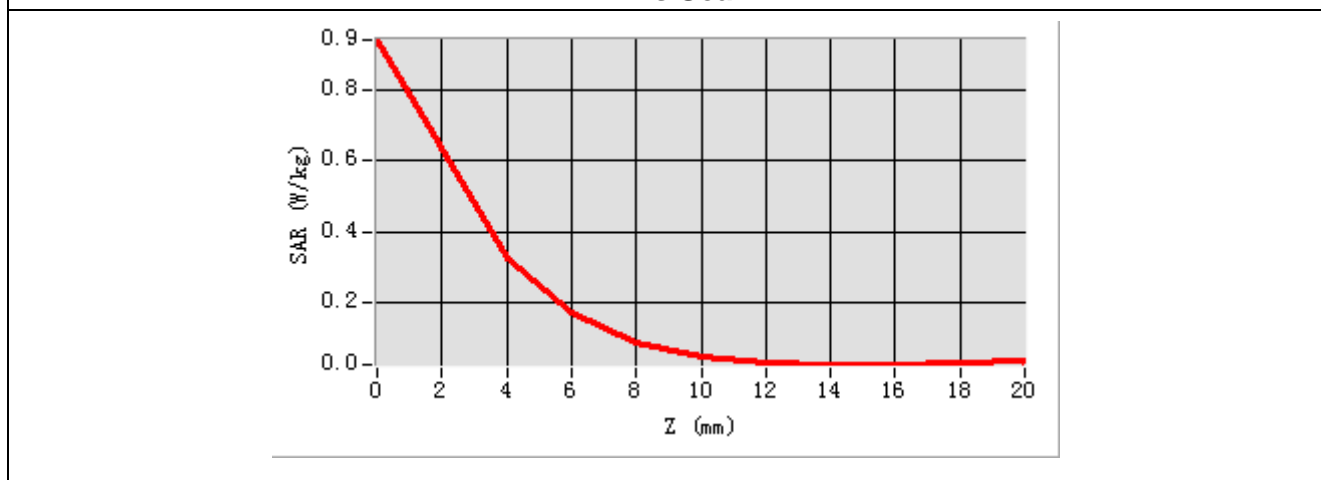
Maximum location: X=5.00, Y=5.00

SAR Peak: 0.95 W/kg

<b>SAR 10g (W/Kg)</b>	0.132136
<b>SAR 1g (W/Kg)</b>	0.325018



### Z Axis Scan



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

Type: phone measurement

Date of measurement: 07/07/2023

### 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)

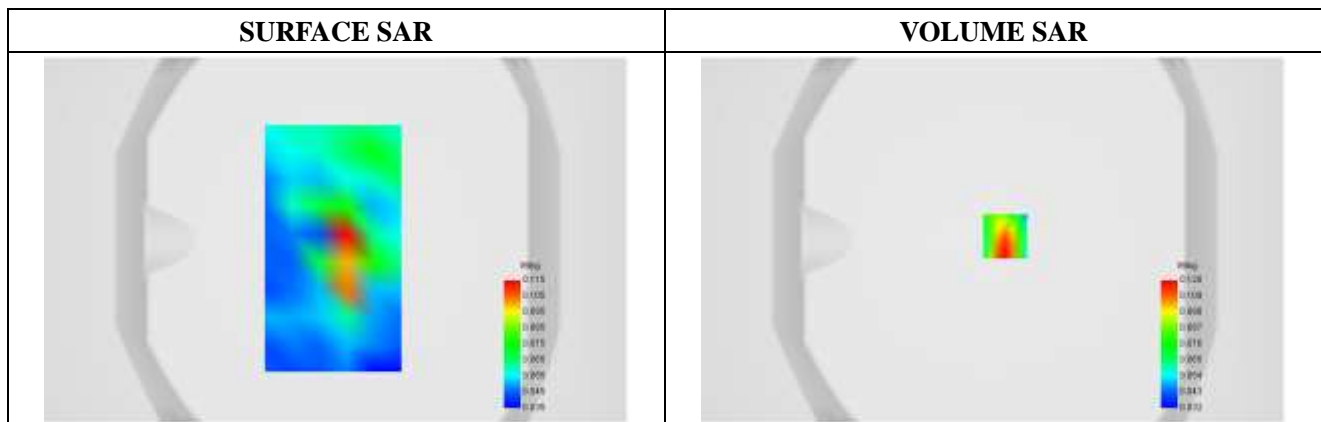
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	5785.0
<b>Relative permittivity (real part)</b>	35.64
<b>Conductivity (S/m)</b>	5.37
<b>Variation (%)</b>	-0.66

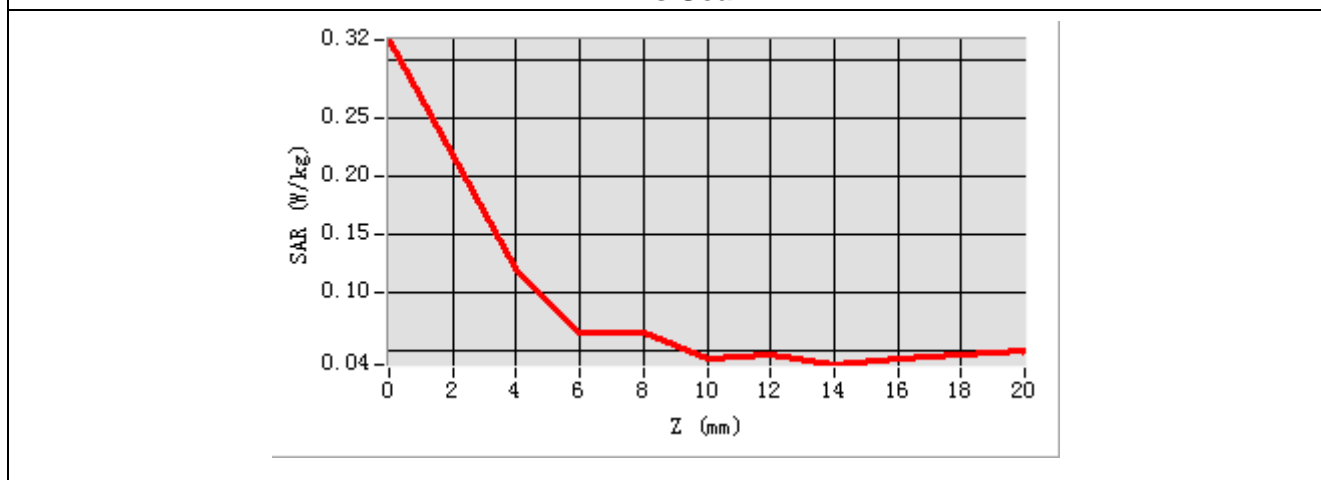
**Maximum location: X=6.00, Y=2.00**

**SAR Peak: 0.26 W/kg**

<b>SAR 10g (W/Kg)</b>	0.064582
<b>SAR 1g (W/Kg)</b>	0.115169



### Z Axis Scan



## Testing result (WI-FI U-NII 3a 802.11a, Extremity Front, Middle, 0mm)

Type: phone measurement

Date of measurement: 07/07/2023

### 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)

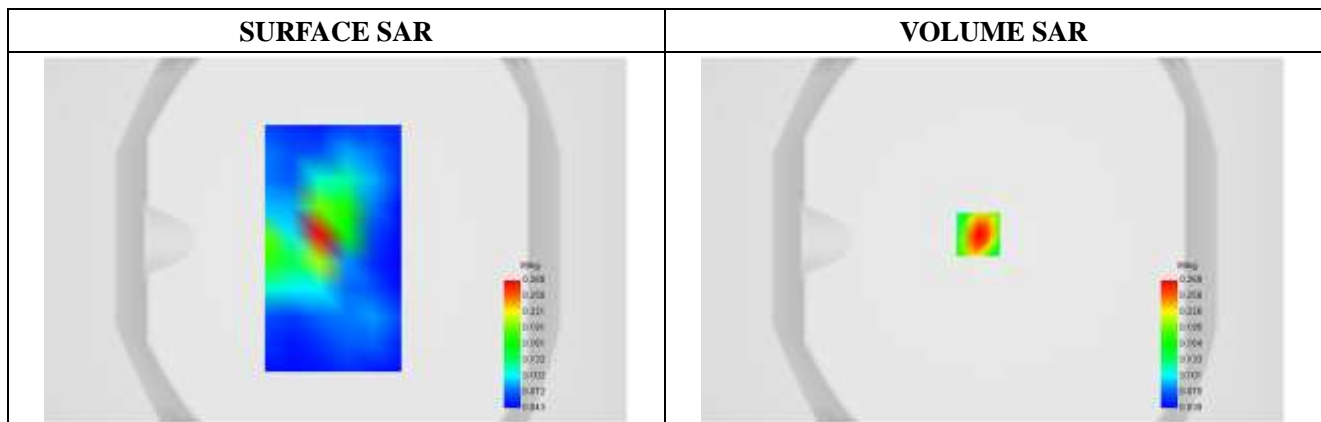
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	5785.0
<b>Relative permittivity (real part)</b>	35.64
<b>Conductivity (S/m)</b>	5.37
<b>Variation (%)</b>	-0.34

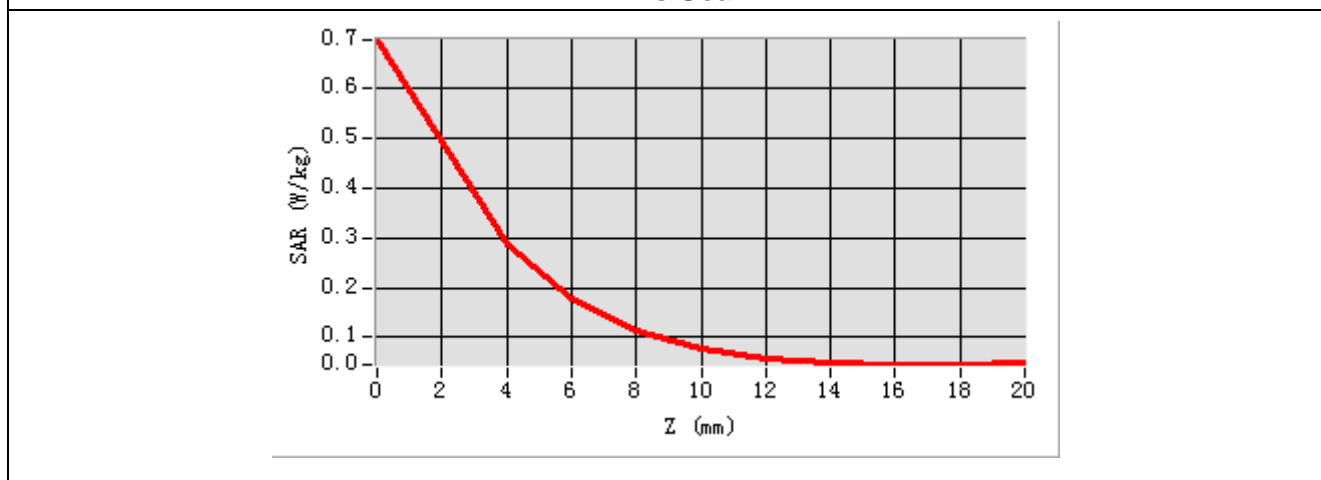
**Maximum location: X=-9.00, Y=3.00**

**SAR Peak: 0.70 W/kg**

<b>SAR 10g (W/Kg)</b>	0.133905
<b>SAR 1g (W/Kg)</b>	0.282980



### Z Axis Scan



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

Type: phone measurement

Date of measurement: 07/07/2023

### 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)

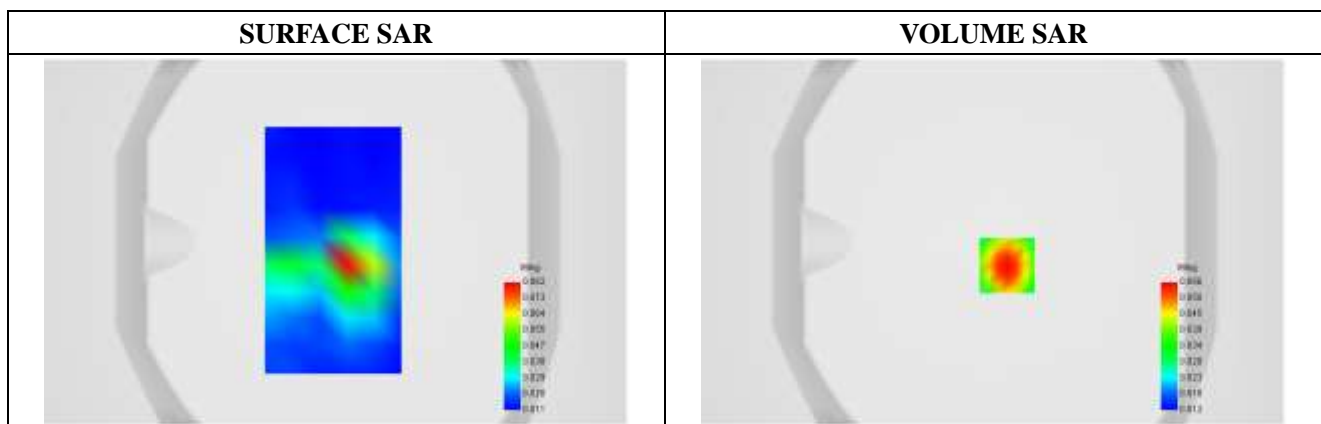
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	2441.0
<b>Relative permittivity (real part)</b>	40.10
<b>Conductivity (S/m)</b>	1.80
<b>Variation (%)</b>	-0.48

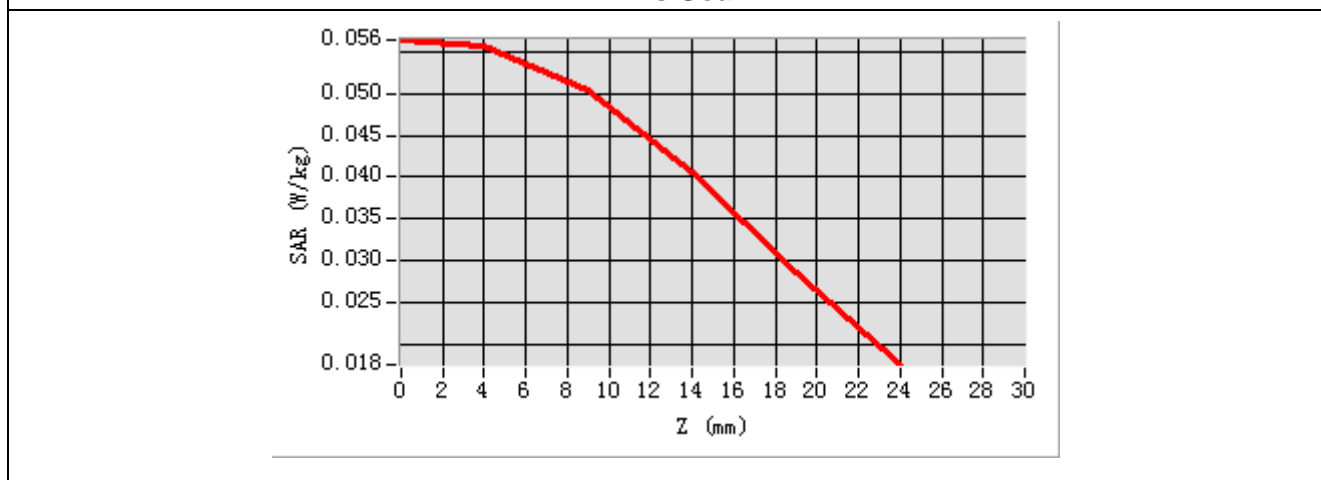
Maximum location: X=7.00, Y=-13.00

SAR Peak: 0.06 W/kg

<b>SAR 10g (W/Kg)</b>	0.038605
<b>SAR 1g (W/Kg)</b>	0.053315



### Z Axis Scan



## Testing result (Bluetooth, Extremity Front, Middle, 0mm)

Type: phone measurement

Date of measurement: 07/07/2023

### 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)

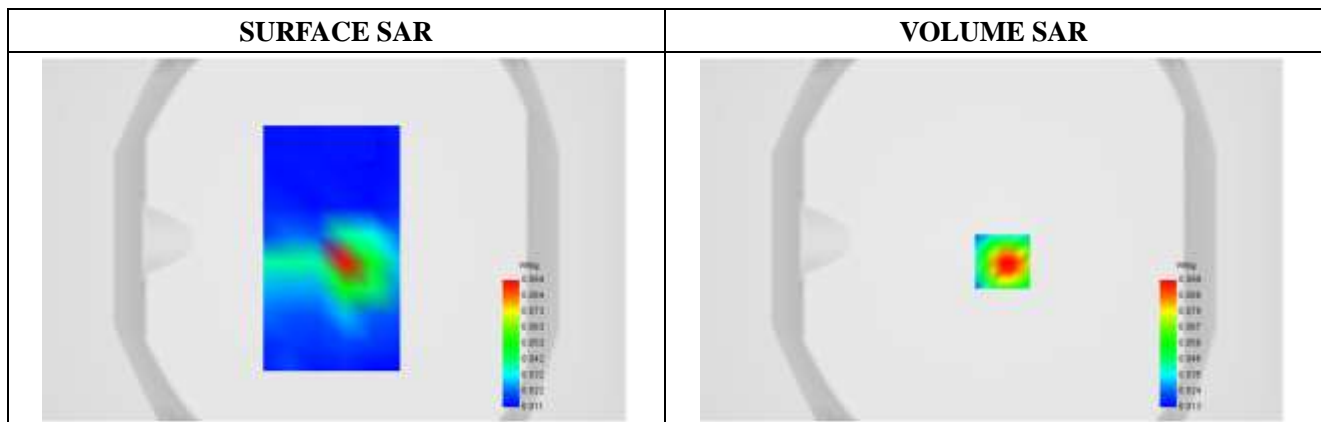
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	2441.0
<b>Relative permittivity (real part)</b>	40.10
<b>Conductivity (S/m)</b>	1.80
<b>Variation (%)</b>	-2.57

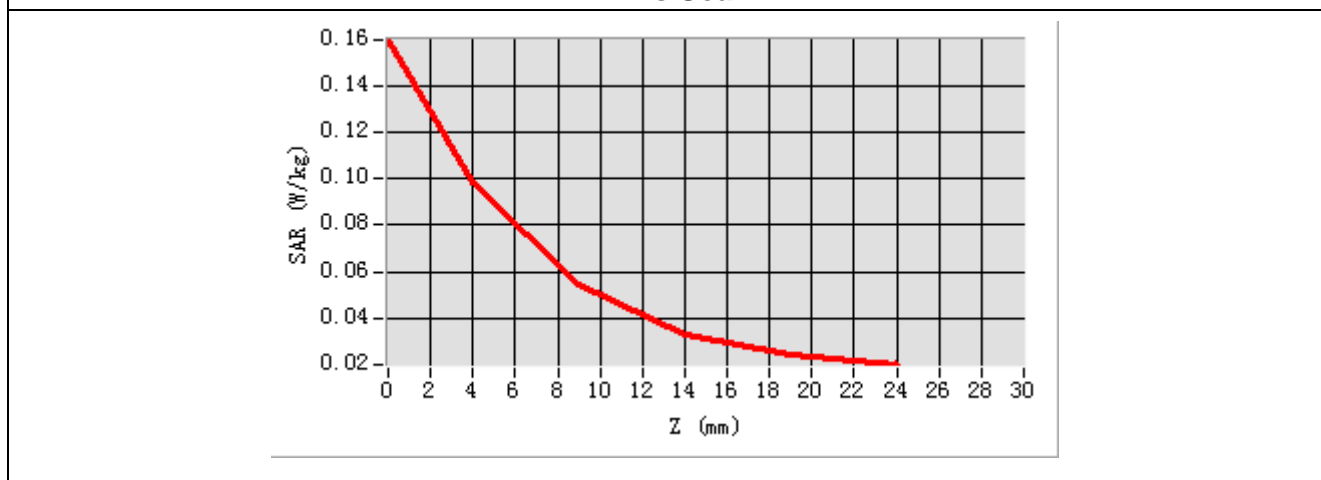
Maximum location: X=5.00, Y=-12.00

SAR Peak: 0.17 W/kg

<b>SAR 10g (W/Kg)</b>	0.050561
<b>SAR 1g (W/Kg)</b>	0.093103



### Z Axis Scan



## Testing result (RFID, Extremity Top, High, 0mm)

Type: phone measurement

Date of measurement: 06/26/2023

### 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>	RFID
<b>Channels</b>	High
<b>Signal</b>	DSB-ASK(Crest factor: 0.33)

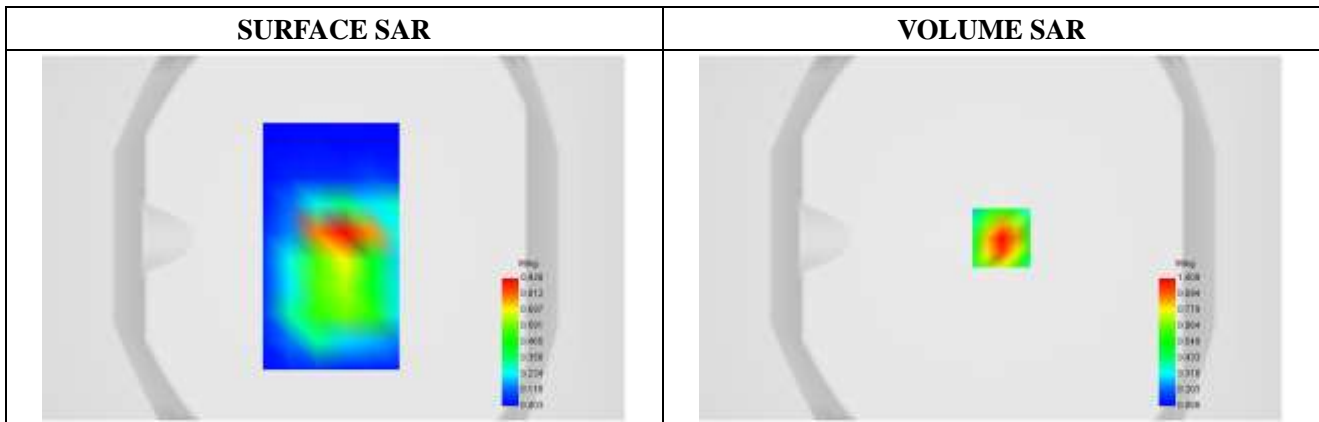
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	927.25
<b>Relative permittivity (real part)</b>	40.89
<b>Conductivity (S/m)</b>	1.00
<b>Variation (%)</b>	-0.59

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

**SAR Peak: 1.18 W/kg**

<b>SAR 10g (W/Kg)</b>	0.625924
<b>SAR 1g (W/Kg)</b>	0.955410



### Z Axis Scan

