



Appendix B: SAR Measurement results Plots

Plot	Frequency/Mode	Testing Position and Channel	Test Date
1	WCDMA 850 ANT3	Left Cheek Middle	2023/06/08
2	WCDMA 850 ANT3	Body Back, Middle ,10mm	2023/06/08
3	WCDMA 1700 ANT3	Left Cheek Middle	2023/06/18
4	WCDMA 1700 ANT3	Body Back, Middle ,10mm	2023/06/18
5	WCDMA 1900 ANT3	Left Cheek Middle	2023/06/17
6	WCDMA 1900 ANT3	Body Back, Low ,10mm	2023/06/17
7	LTE Band 2 ANT3	Left Cheek Middle	2023/06/17
8	LTE Band 2 ANT3	Body Back, Middle ,10mm	2023/06/17
9	LTE Band 4 ANT3	Left Cheek Middle	2023/06/18
10	LTE Band 4 ANT3	Body Back, Middle ,10mm	2023/06/18
11	LTE Band 5 ANT3	Left Cheek Middle	2023/06/08
12	LTE Band 5 ANT3	Body Back, Middle ,10mm	2023/06/08
13	LTE Band 12 ANT3	Left Cheek Middle	2023/05/30
14	LTE Band 12 ANT3	Body Back, Middle ,10mm	2023/05/30
15	LTE Band 66 ANT3	Left Cheek Middle	2023/06/18
16	LTE Band 66 ANT3	Body Back, Middle ,10mm	2023/06/18
17	WI-FI 2.4G 802.11b ANT 2	Left Cheek Middle	2023/06/11
18	WI-FI 2.4G 802.11b ANT 2	Body Back, Middle ,10mm	2023/06/11
19	Bluetooth ANT 2	Left Cheek Middle	2023/06/11
20	Bluetooth ANT 2	Body Back, Middle ,10mm	2023/06/11

Testing result (WCDMA 850, Left Cheek, Middle, 0mm)

Type: phone measurement

Date of measurement: 06/08/2023

A. Experimental conditions.

E-Field Probe	SATIMO SN 32/22 EPGO383
Area Scan	dx=15mm dy=15mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left Head
Device Position	Cheek
Band	WCDMA850
Channels	Middle
Signal	WCDMA(Crest factor: 1.0)

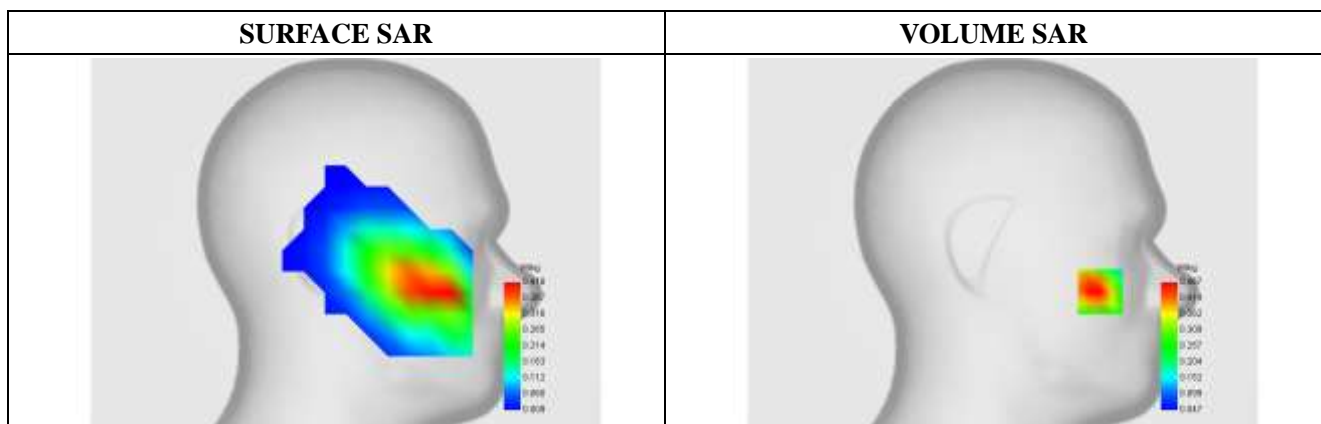
B. SAR Measurement Results

Frequency (MHz)	836.6
Relative permittivity (real part)	41.36
Conductivity (S/m)	0.92
Variation (%)	-0.79

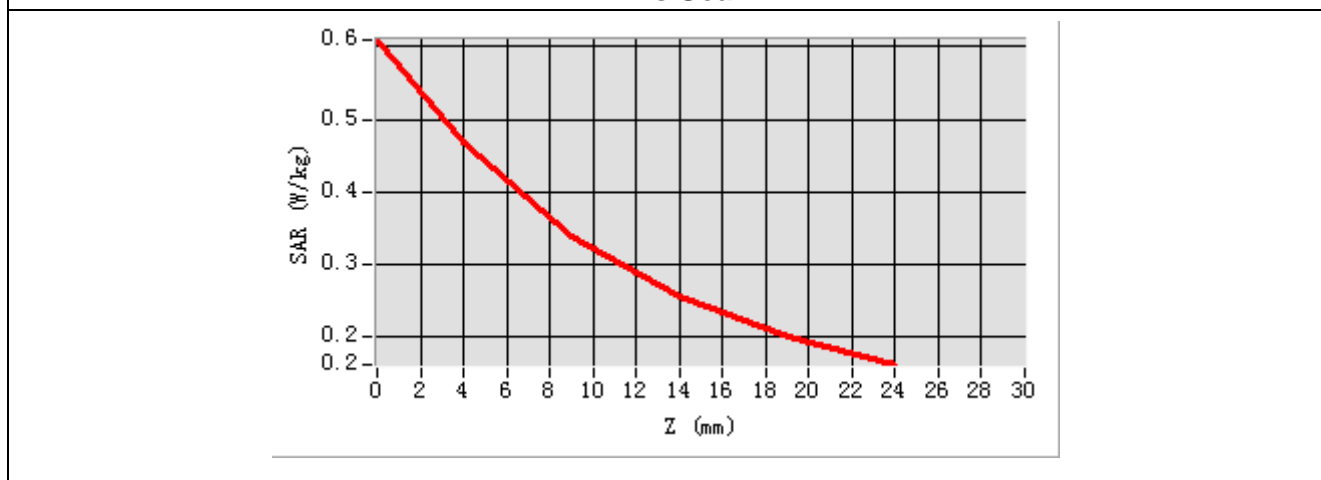
Maximum location: X=-75.00, Y=-35.00

SAR Peak: 0.62 W/kg

SAR 10g (W/Kg)	0.321714
SAR 1g (W/Kg)	0.452916



Z Axis Scan



Testing result (WCDMA 850, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 06/08/2023

A. Experimental conditions.

E-Field Probe	SATIMO SN 32/22 EPGO383
Area Scan	dx=15mm dy=15mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	WCDMA850
Channels	Middle
Signal	WCDMA(Crest factor: 1.0)

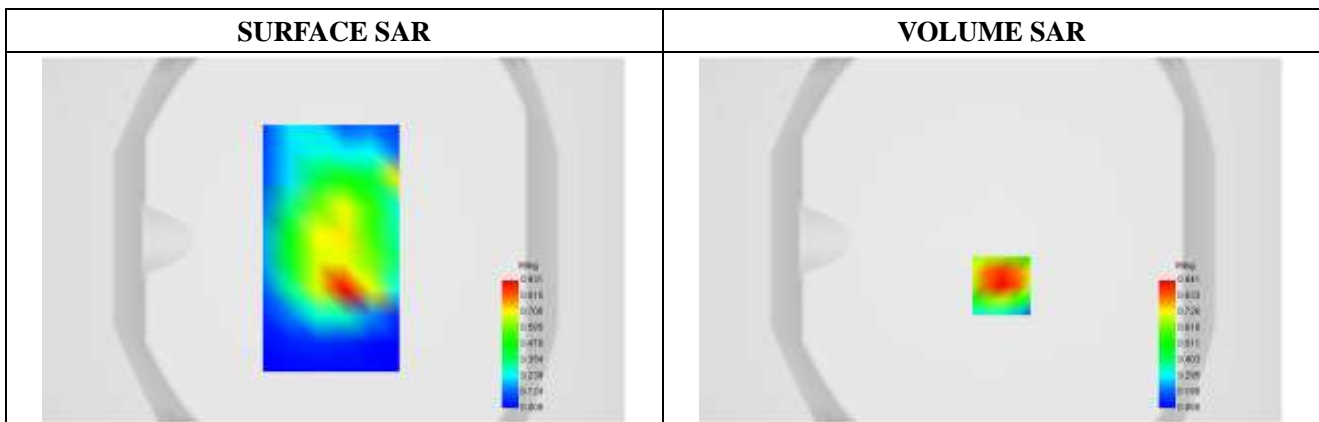
B. SAR Measurement Results

Frequency (MHz)	836.6
Relative permittivity (real part)	41.36
Conductivity (S/m)	0.92
Variation (%)	-2.06

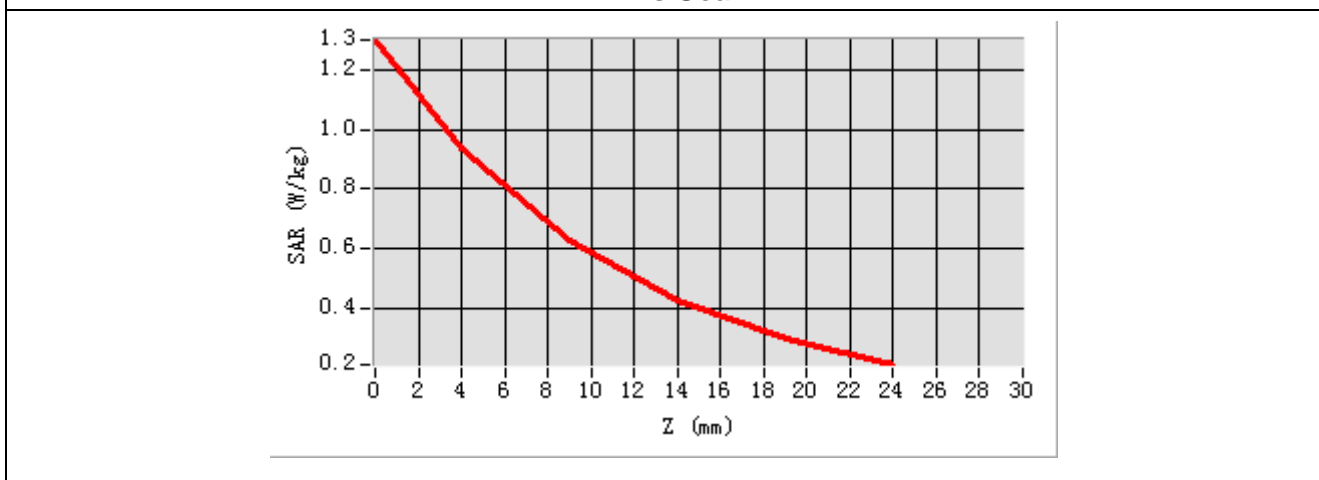
Maximum location: X=5.00, Y=-25.00

SAR Peak: 1.33 W/kg

SAR 10g (W/Kg)	0.567217
SAR 1g (W/Kg)	0.898993



Z Axis Scan



Testing result (WCDMA 1700, Left Cheek, Middle, 0mm)

Type: phone measurement

Date of measurement: 06/18/2023

A. Experimental conditions.

E-Field Probe	SATIMO SN 32/22 EPGO383
Area Scan	dx=15mm dy=15mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right Head
Device Position	Cheek
Band	WCDMA1700
Channels	Middle
Signal	WCDMA(Crest factor: 1.0)

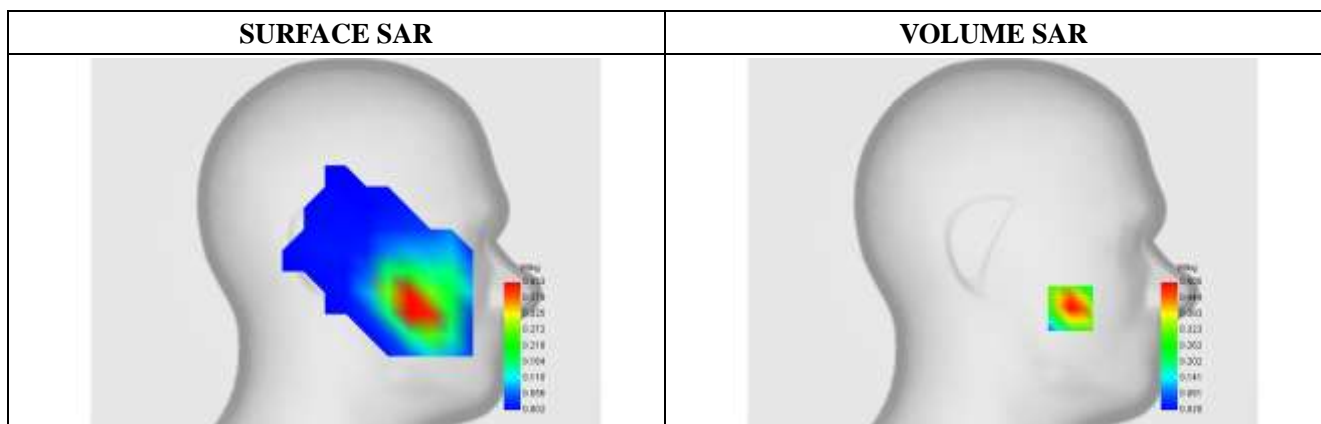
B. SAR Measurement Results

Frequency (MHz)	1732.6
Relative permittivity (real part)	39.75
Conductivity (S/m)	1.33
Variation (%)	2.21

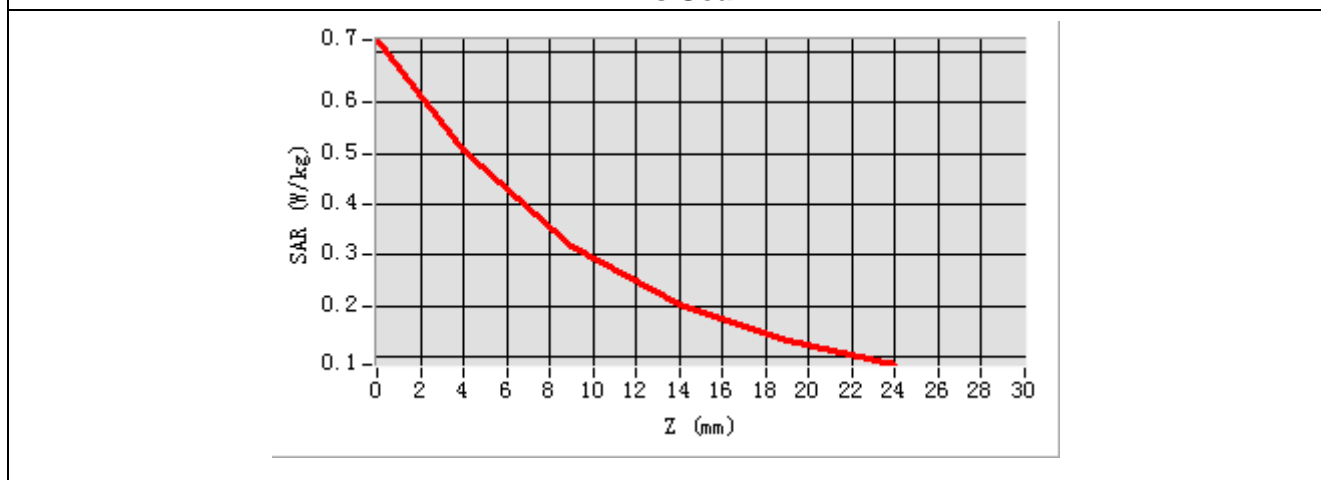
Maximum location: X=-54.00, Y=-47.00

SAR Peak: 0.79 W/kg

SAR 10g (W/Kg)	0.276055
SAR 1g (W/Kg)	0.474319



Z Axis Scan



Testing result (WCDMA 1700, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 06/18/2023

A. Experimental conditions.

E-Field Probe	SATIMO SN 32/22 EPGO383
Area Scan	dx=15mm dy=15mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	WCDMA1700
Channels	Middle
Signal	WCDMA(Crest factor: 1.0)

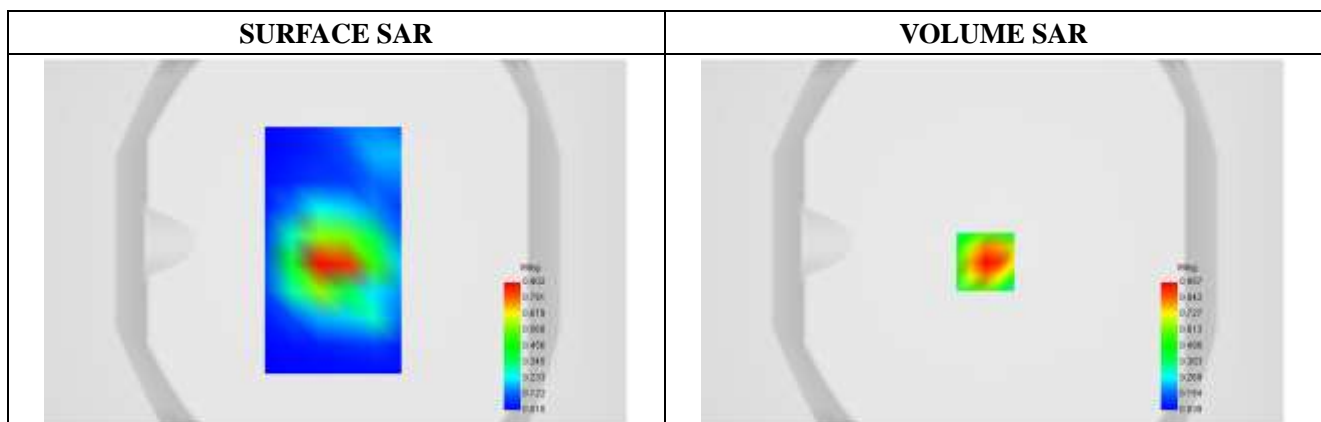
B. SAR Measurement Results

Frequency (MHz)	1732.6
Relative permittivity (real part)	39.75
Conductivity (S/m)	1.33
Variation (%)	-1.77

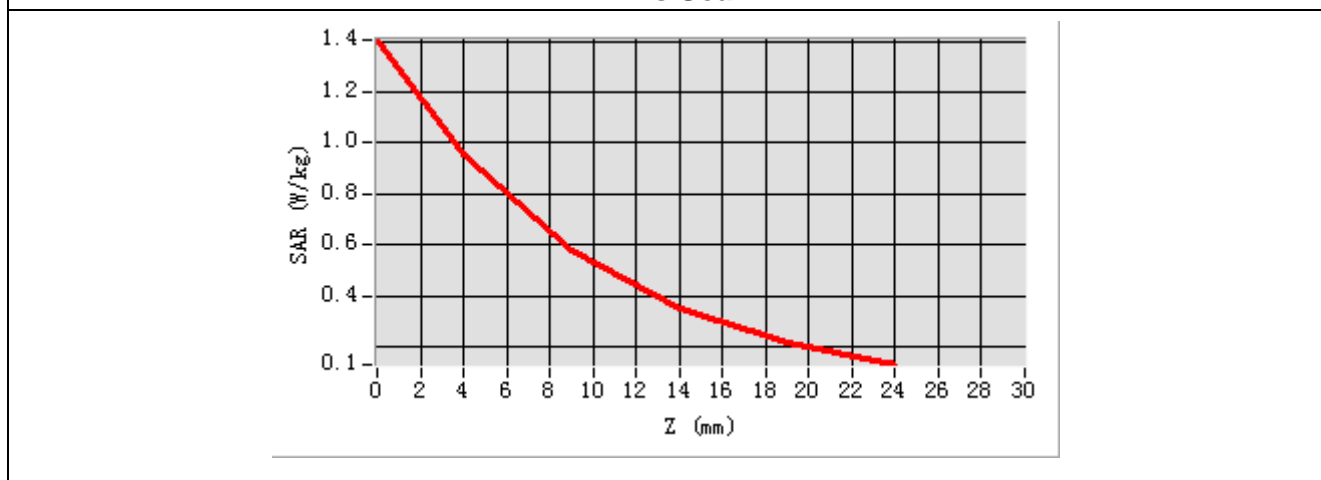
Maximum location: X=-5.00, Y=-11.00

SAR Peak: 1.42 W/kg

SAR 10g (W/Kg)	0.513743
SAR 1g (W/Kg)	0.901830



Z Axis Scan



Testing result (WCDMA 1900, Left Cheek, Middle, 0mm)

Type: phone measurement

Date of measurement: 06/17/2023

A. Experimental conditions.

E-Field Probe	SATIMO SN 32/22 EPGO383
Area Scan	dx=15mm dy=15mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left Head
Device Position	Cheek
Band	WCDMA1900
Channels	Middle
Signal	WCDMA(Crest factor: 1.0)

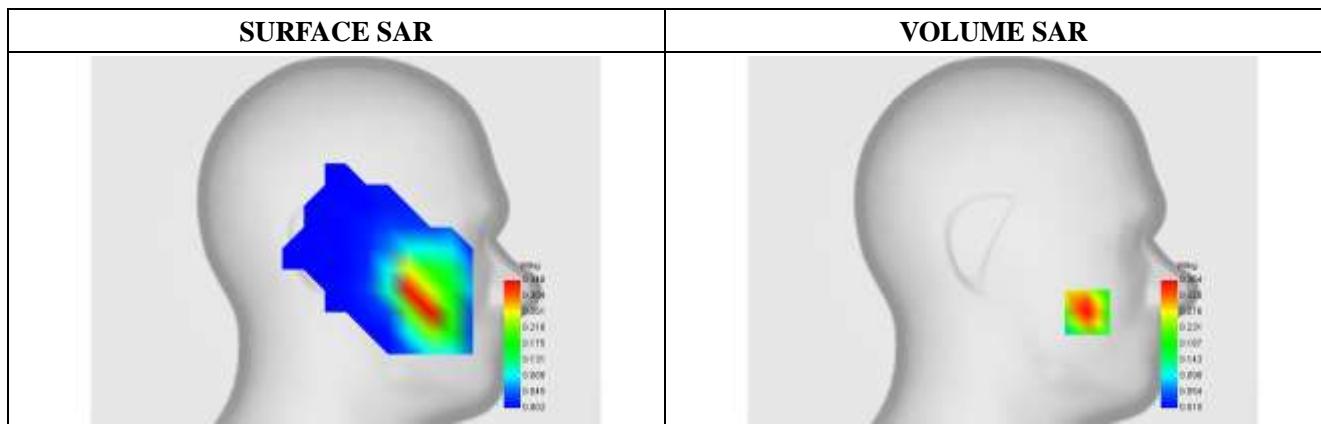
B. SAR Measurement Results

Frequency (MHz)	1880.0
Relative permittivity (real part)	39.08
Conductivity (S/m)	1.41
Variation (%)	0.12

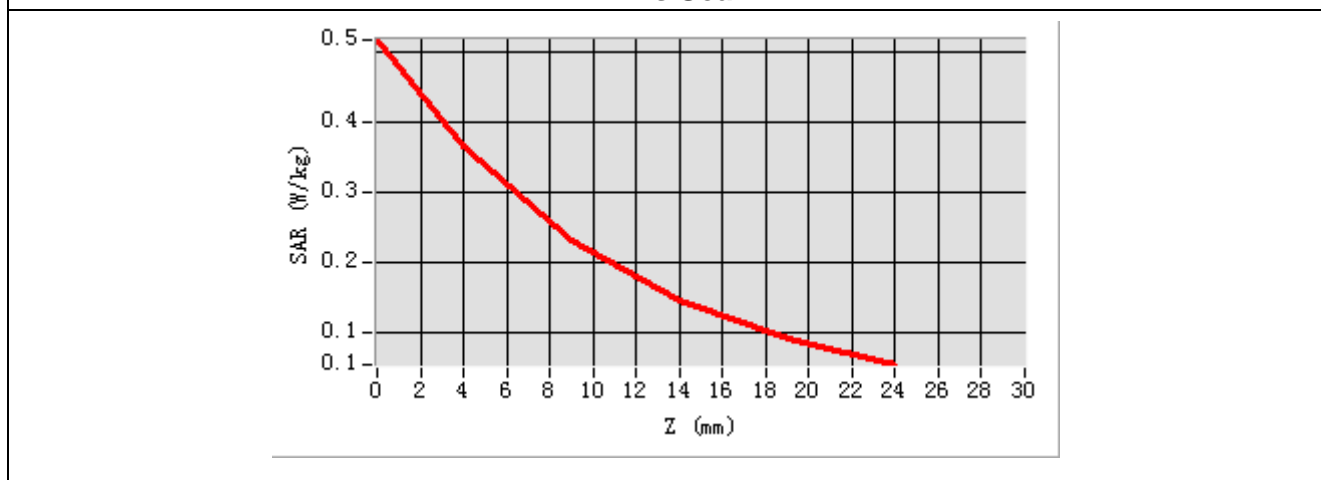
Maximum location: X=-66.00, Y=-51.00

SAR Peak: 0.52 W/kg

SAR 10g (W/Kg)	0.199934
SAR 1g (W/Kg)	0.342183



Z Axis Scan



Testing result (WCDMA1900, Back, Low, 5mm)

Type: phone measurement

Date of measurement: 06/17/2023

A. Experimental conditions.

E-Field Probe	SATIMO SN 32/22 EPGO383
Area Scan	dx=15mm dy=15mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	WCDMA1900
Channels	Low
Signal	WCDMA(Crest factor: 1.0)

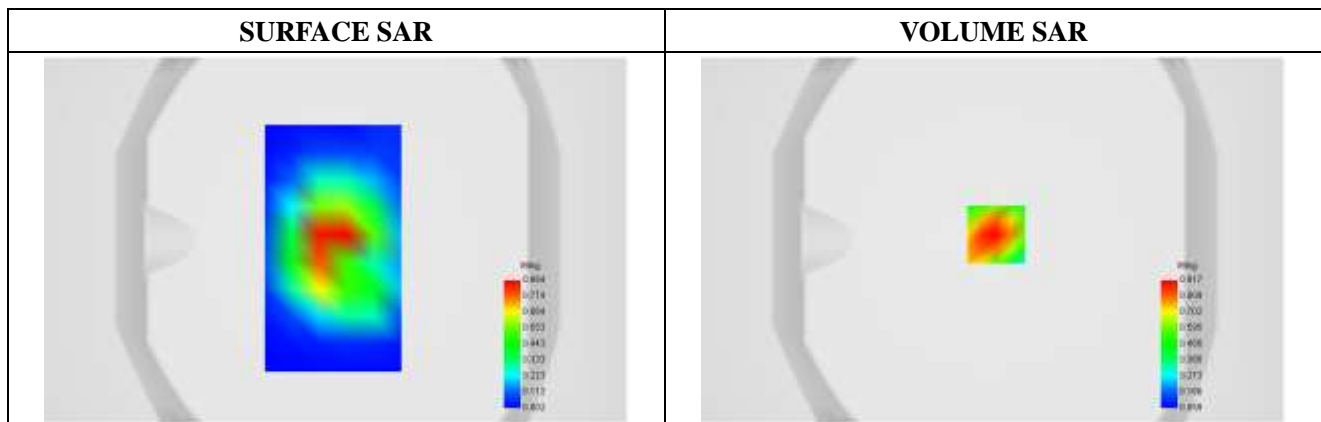
B. SAR Measurement Results

Frequency (MHz)	1852.4
Relative permittivity (real part)	39.15
Conductivity (S/m)	1.39
Variation (%)	0.79

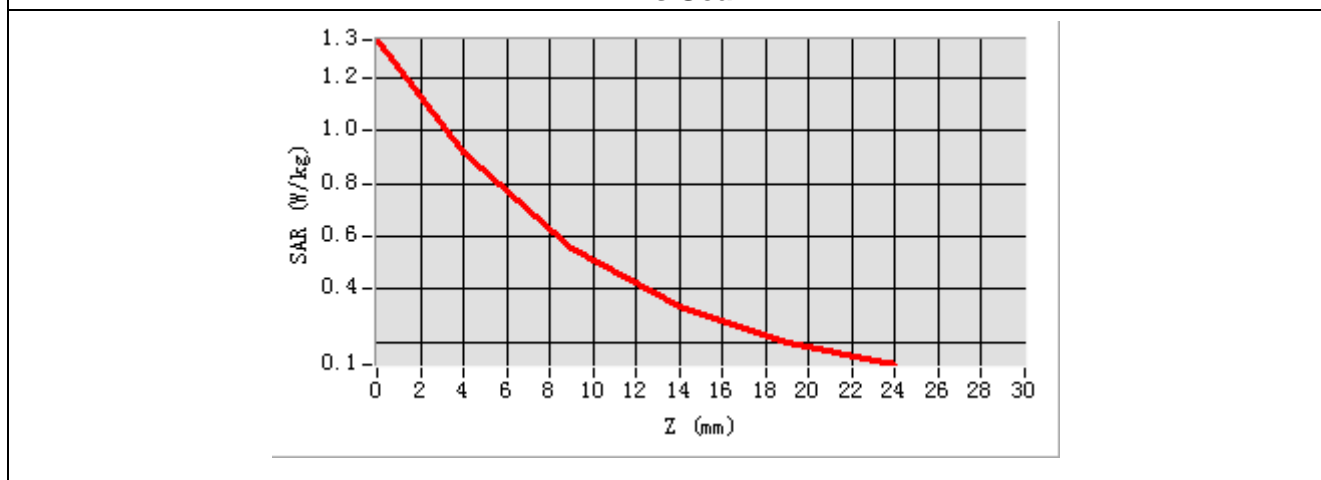
Maximum location: X=1.00, Y=3.00

SAR Peak: 1.36 W/kg

SAR 10g (W/Kg)	0.502522
SAR 1g (W/Kg)	0.866558



Z Axis Scan



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

Type: phone measurement

Date of measurement: 06/17/2023

A. Experimental conditions.

E-Field Probe	SATIMO SN 32/22 EPGO383
Area Scan	dx=15mm dy=15mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left Head
Device Position	Cheek
Band	LTE Band 2
Channels	Middle
Signal	LTE(Crest factor: 1.0)

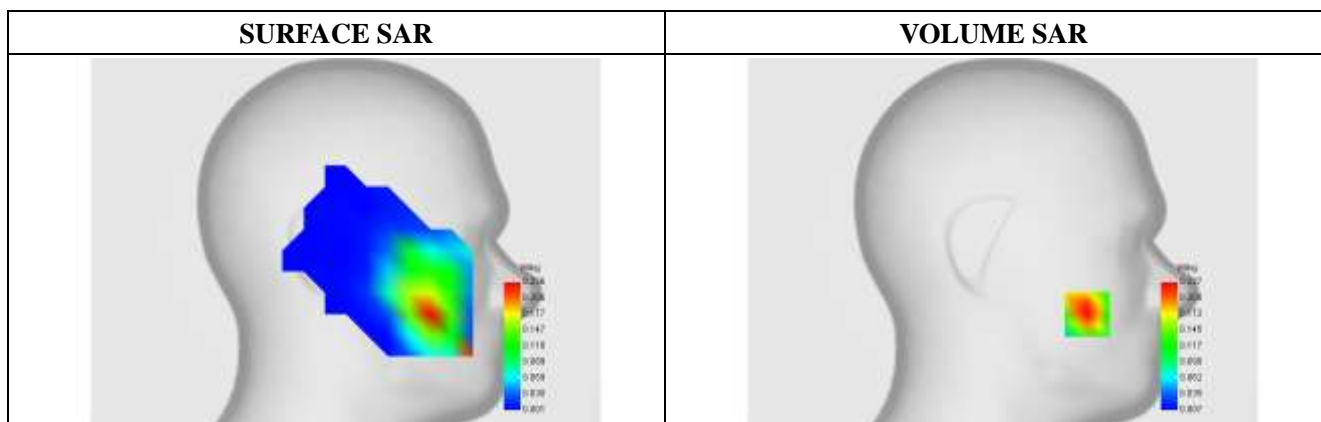
B. SAR Measurement Results

Frequency (MHz)	1880.0
Relative permittivity (real part)	39.08
Conductivity (S/m)	1.41
Variation (%)	-0.65

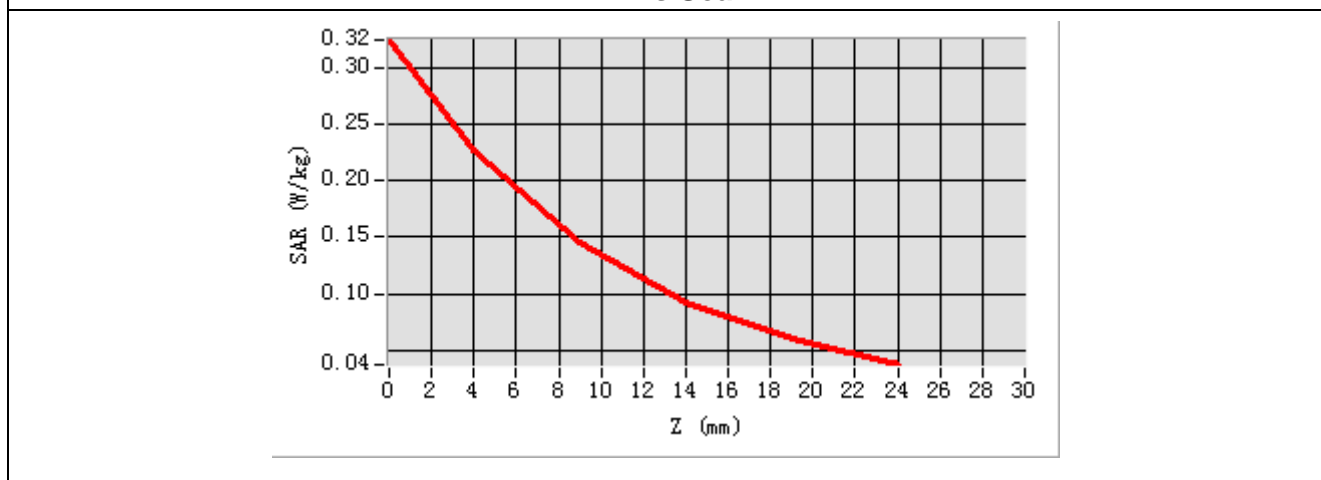
Maximum location: X=-66.00, Y=-51.00

SAR Peak: 0.33 W/kg

SAR 10g (W/Kg)	0.127023
SAR 1g (W/Kg)	0.214319



Z Axis Scan



Testing result (LTE Band 2, Back, Low, 10mm)

Type: phone measurement

Date of measurement: 06/17/2023

A. Experimental conditions.

E-Field Probe	SATIMO SN 32/22 EPGO383
Area Scan	dx=15mm dy=15mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	LTE Band 2
Channels	Low
Signal	LTE(Crest factor: 1.0)

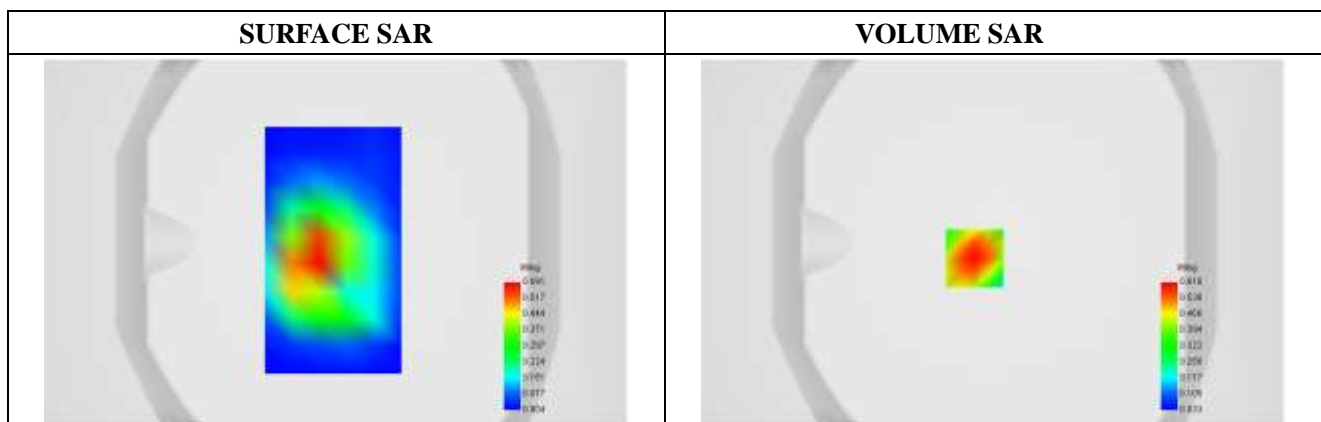
B. SAR Measurement Results

Frequency (MHz)	1880.0
Relative permittivity (real part)	39.08
Conductivity (S/m)	1.41
Variation (%)	-1.27

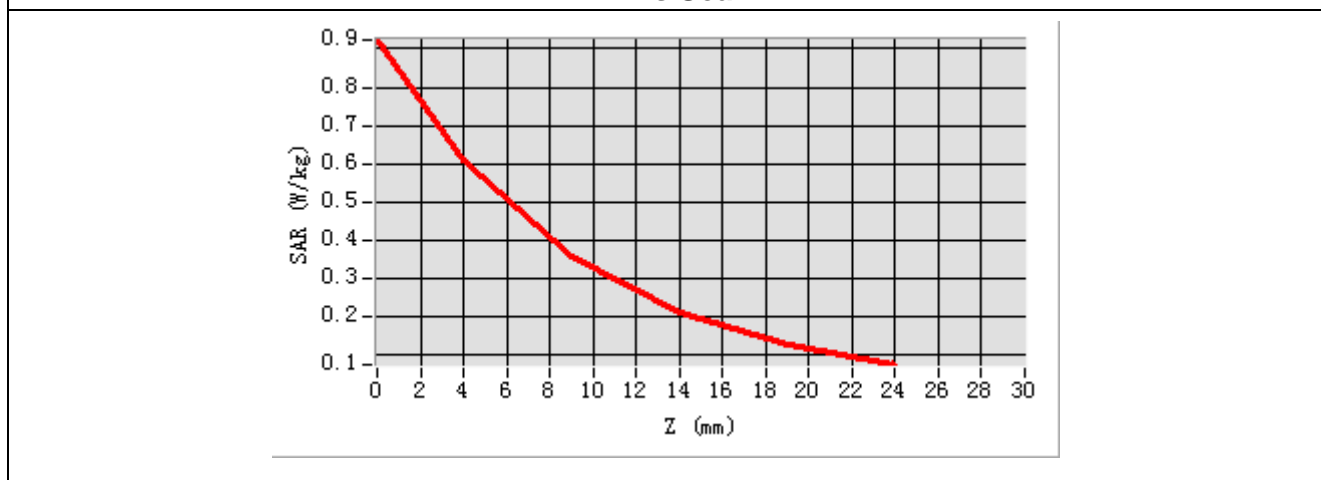
Maximum location: X=-11.00, Y=-9.00

SAR Peak: 0.92 W/kg

SAR 10g (W/Kg)	0.332649
SAR 1g (W/Kg)	0.523158



Z Axis Scan



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

Type: phone measurement

Date of measurement: 06/18/2023

A. Experimental conditions.

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

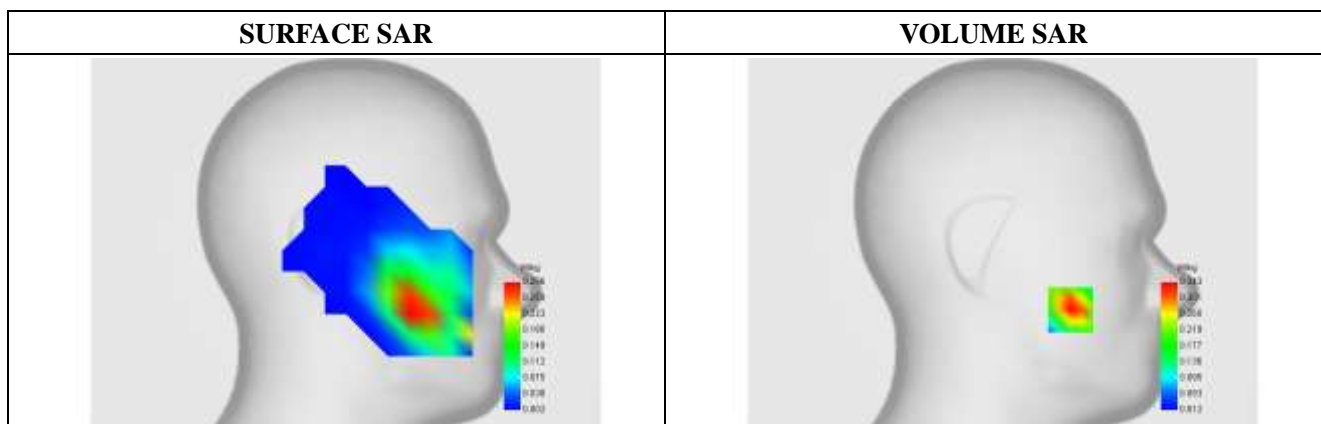
B. SAR Measurement Results

Frequency (MHz)	1732.5
Relative permittivity (real part)	39.75
Conductivity (S/m)	1.33
Variation (%)	-1.30

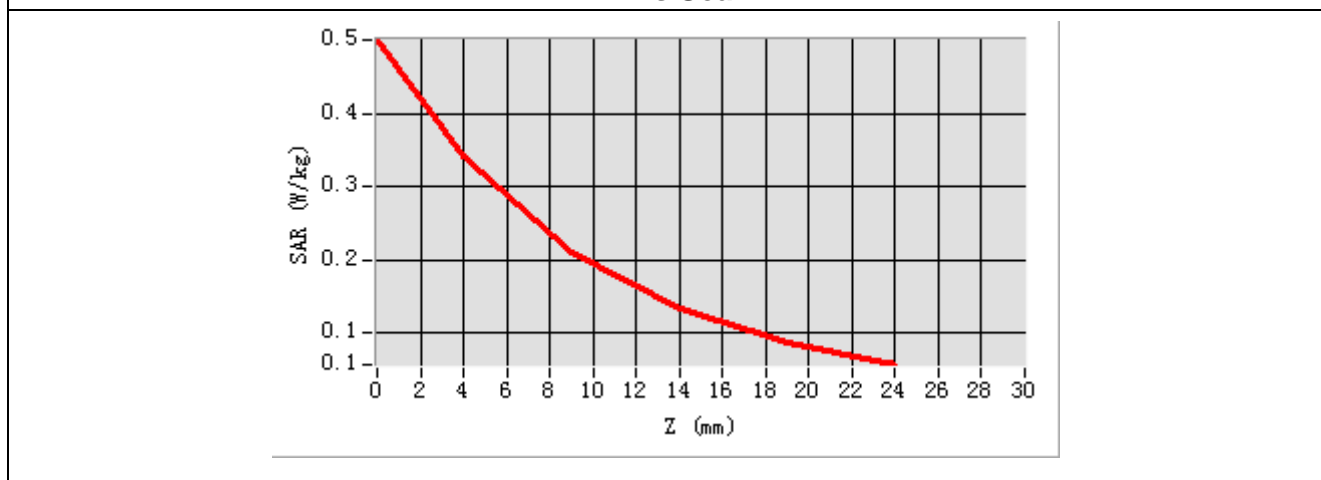
Maximum location: X=-54.00, Y=-48.00

SAR Peak: 0.50 W/kg

SAR 10g (W/Kg)	0.184933
SAR 1g (W/Kg)	0.321348



Z Axis Scan



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

Type: phone measurement

Date of measurement: 06/17/2023

A. Experimental conditions.

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

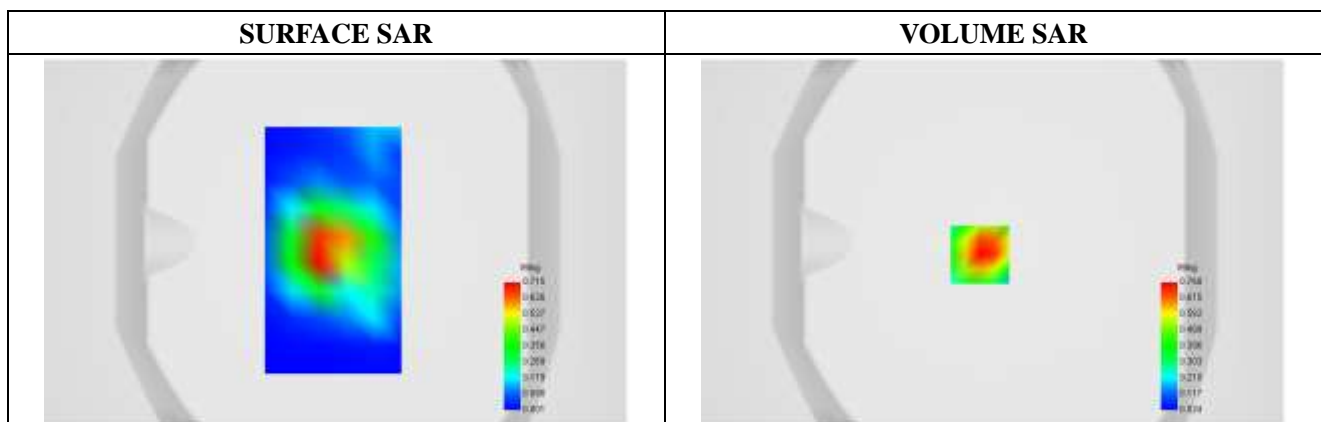
B. SAR Measurement Results

Frequency (MHz)	1732.5
Relative permittivity (real part)	39.75
Conductivity (S/m)	1.33
Variation (%)	-0.30

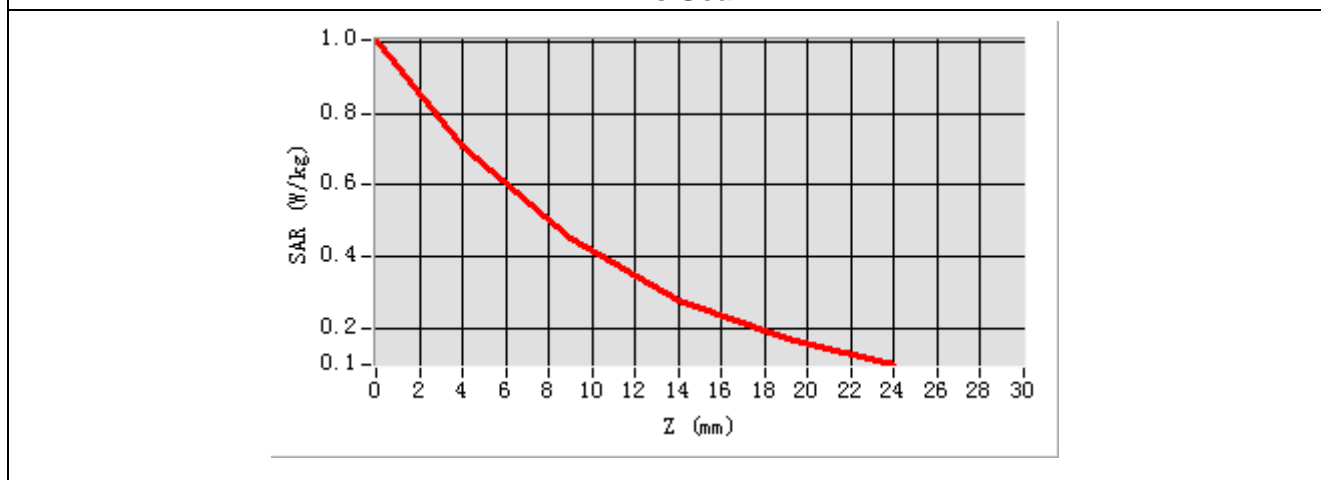
Maximum location: X=-8.00, Y=-7.00

SAR Peak: 1.02 W/kg

SAR 10g (W/Kg)	0.387836
SAR 1g (W/Kg)	0.669350



Z Axis Scan



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

Type: phone measurement

Date of measurement: 06/08/2023

A. Experimental conditions.

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

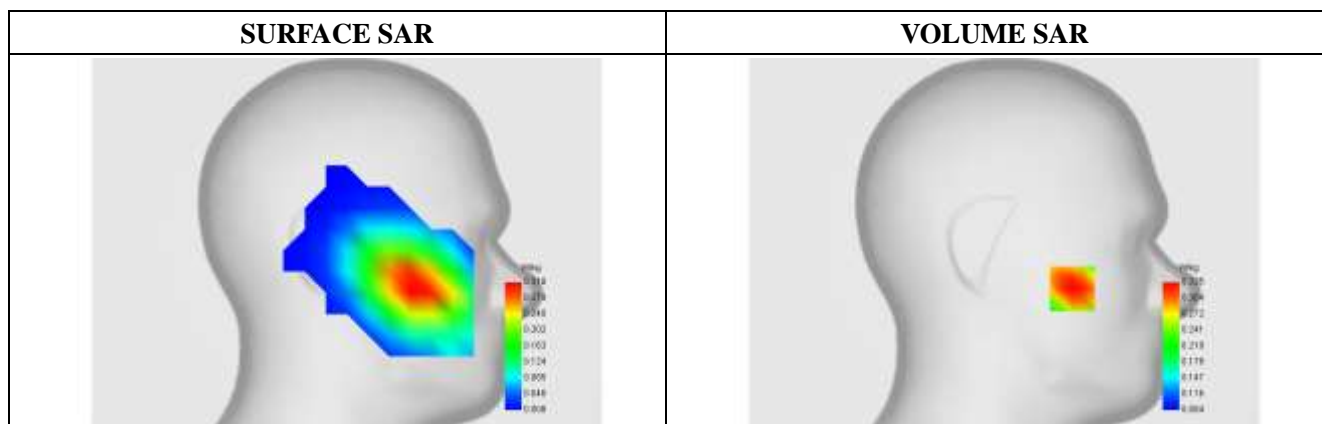
B. SAR Measurement Results

Frequency (MHz)	836.5
Relative permittivity (real part)	41.36
Conductivity (S/m)	0.92
Variation (%)	-2.20

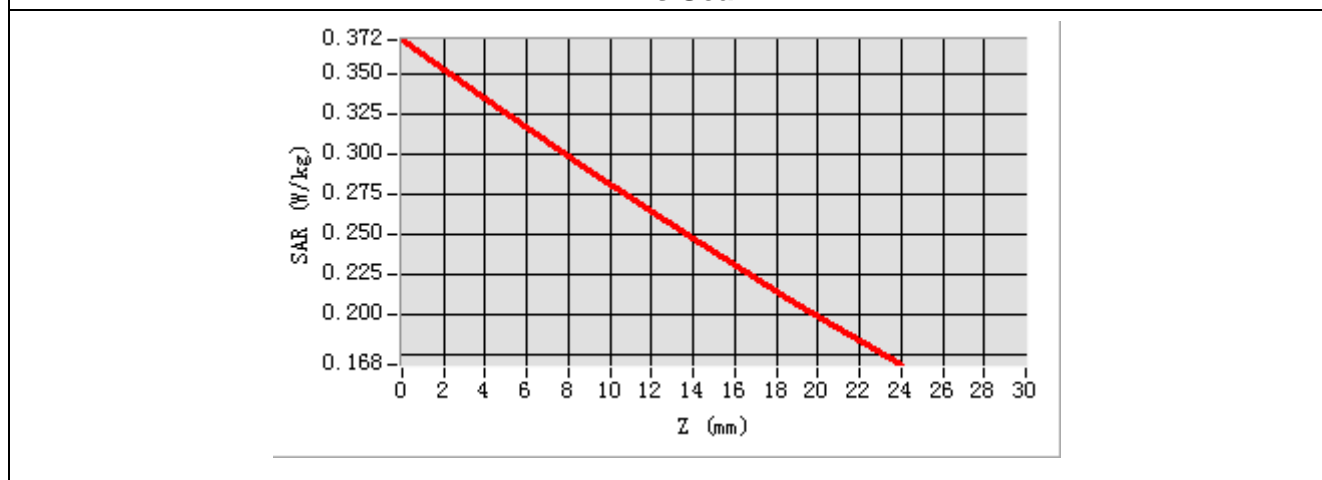
Maximum location: X=-54.00, Y=-33.00

SAR Peak: 0.37 W/kg

SAR 10g (W/Kg)	0.259007
SAR 1g (W/Kg)	0.325374



Z Axis Scan



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

Type: phone measurement

Date of measurement: 06/08/2023

A. Experimental conditions.

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

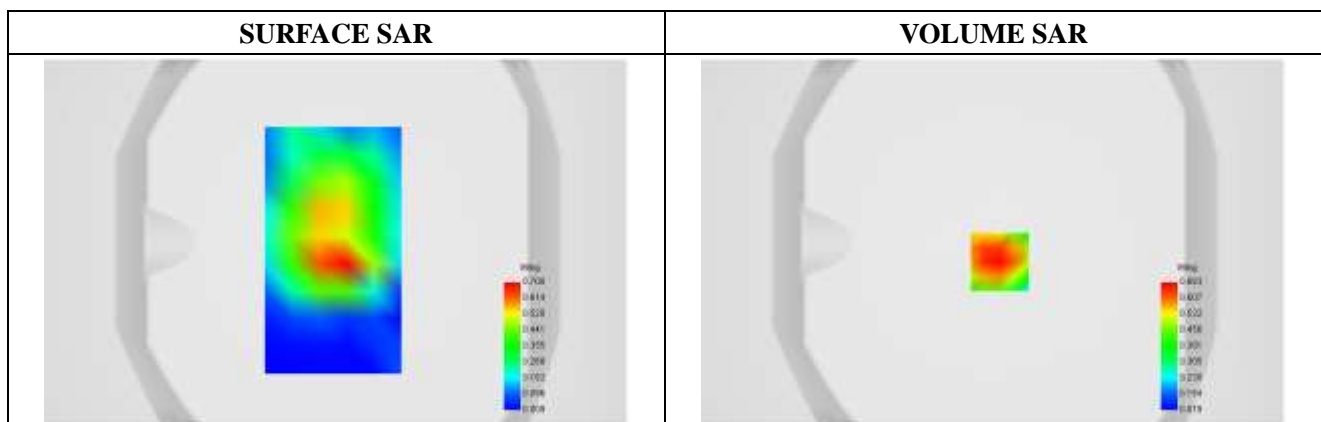
B. SAR Measurement Results

Frequency (MHz)	836.5
Relative permittivity (real part)	41.36
Conductivity (S/m)	0.92
Variation (%)	-0.33

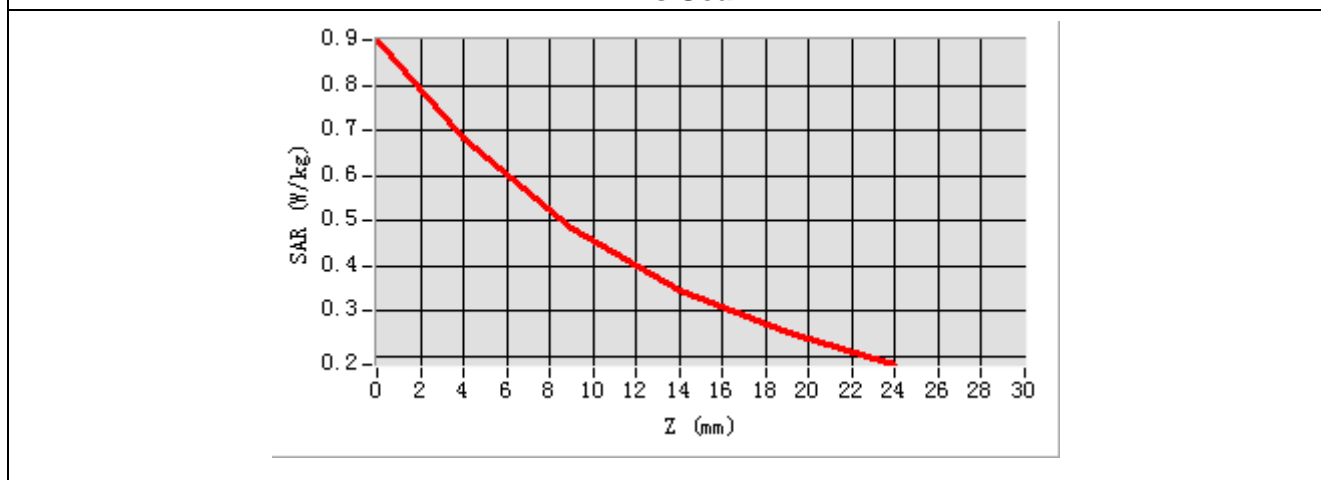
Maximum location: X=3.00, Y=-11.00

SAR Peak: 0.91 W/kg

SAR 10g (W/Kg)	0.438505
SAR 1g (W/Kg)	0.653404



Z Axis Scan



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

Type: phone measurement

Date of measurement: 05/30/2023

A. Experimental conditions.

E-Field Probe	SATIMO SN 32/22 EPGO383
Area Scan	dx=15mm dy=15mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left Head
Device Position	Cheek
Band	LTE Band 12
Channels	Middle
Signal	LTE(Crest factor: 1.0)

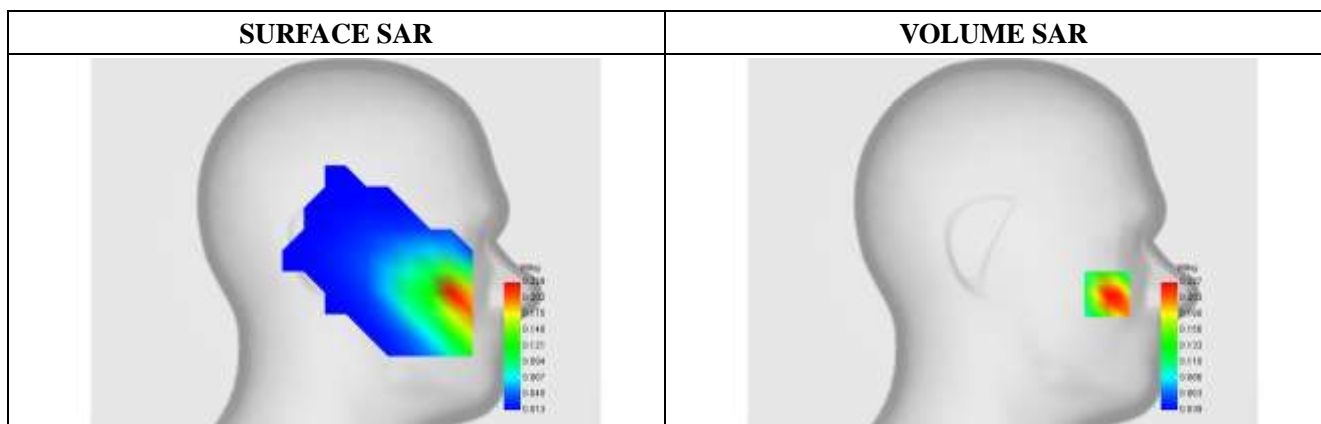
B. SAR Measurement Results

Frequency (MHz)	707.5
Relative permittivity (real part)	41.88
Conductivity (S/m)	0.83
Variation (%)	0.36

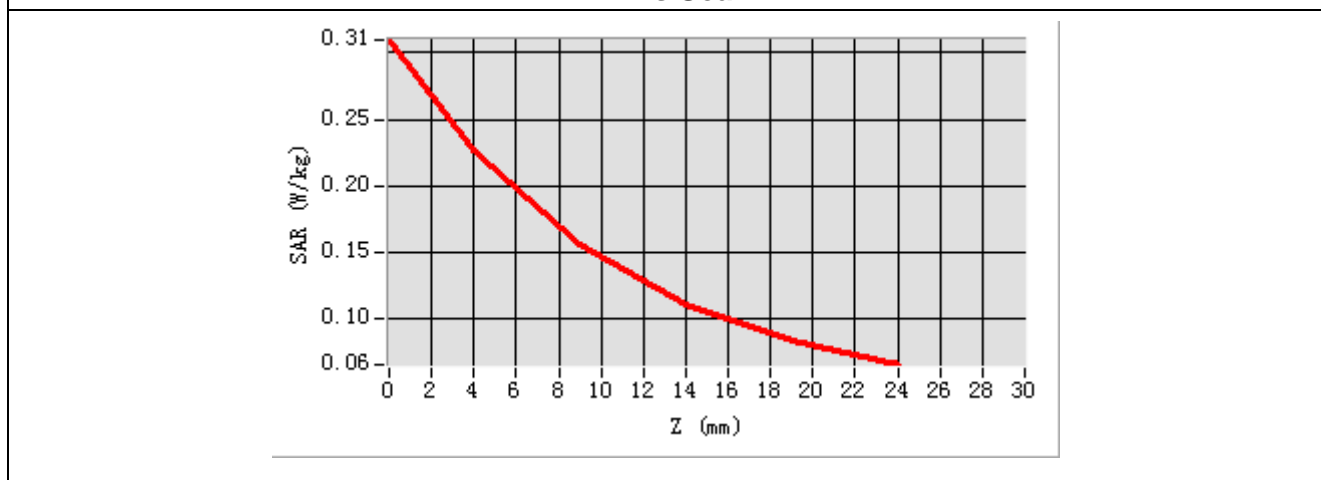
Maximum location: X=-80.00, Y=-37.00

SAR Peak: 0.31 W/kg

SAR 10g (W/Kg)	0.149217
SAR 1g (W/Kg)	0.222691



Z Axis Scan



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

Type: phone measurement

Date of measurement: 05/30/2023

A. Experimental conditions.

E-Field Probe	SATIMO SN 32/22 EPGO383
Area Scan	dx=15mm dy=15mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	LTE Band 12
Channels	Middle
Signal	LTE(Crest factor: 1.0)

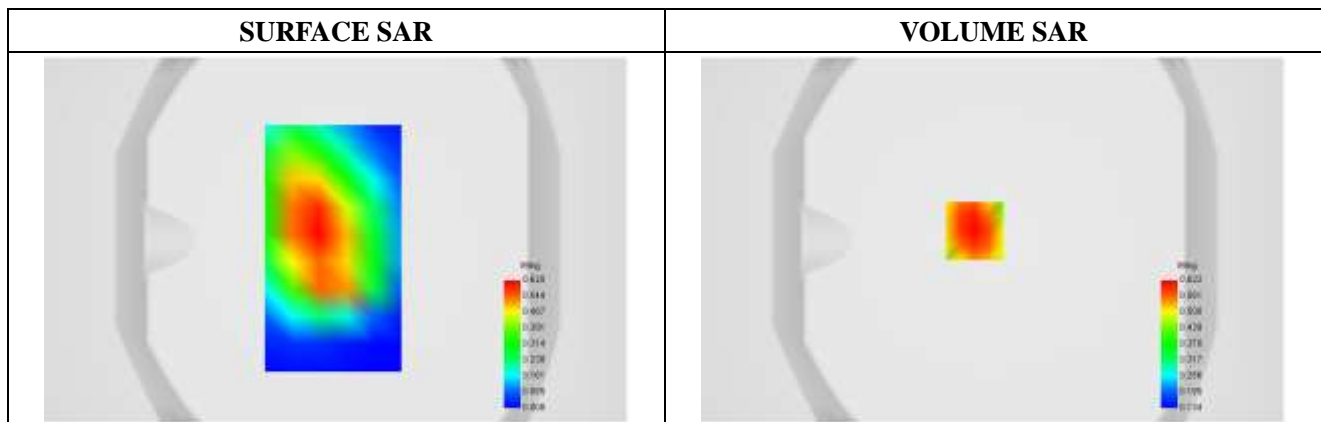
B. SAR Measurement Results

Frequency (MHz)	707.5
Relative permittivity (real part)	41.88
Conductivity (S/m)	0.83
Variation (%)	0.74

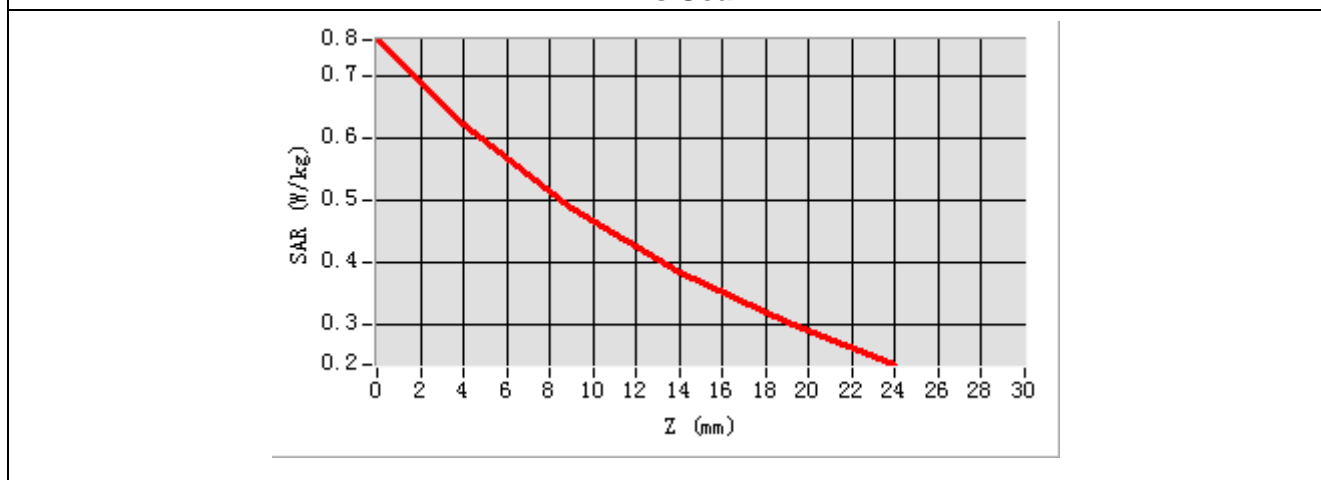
Maximum location: X=-11.00, Y=5.00

SAR Peak: 0.76 W/kg

SAR 10g (W/Kg)	0.454822
SAR 1g (W/Kg)	0.612228



Z Axis Scan



Testing result (LTE Band 66, Left Cheek, Middle. 0mm)

Type: phone measurement

Date of measurement: 06/18/2023

A. Experimental conditions.

E-Field Probe	SATIMO SN 32/22 EPGO383
Area Scan	dx=15mm dy=15mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left Head
Device Position	Cheek
Band	LTE Band 66
Channels	Middle
Signal	LTE(Crest factor: 1.0)

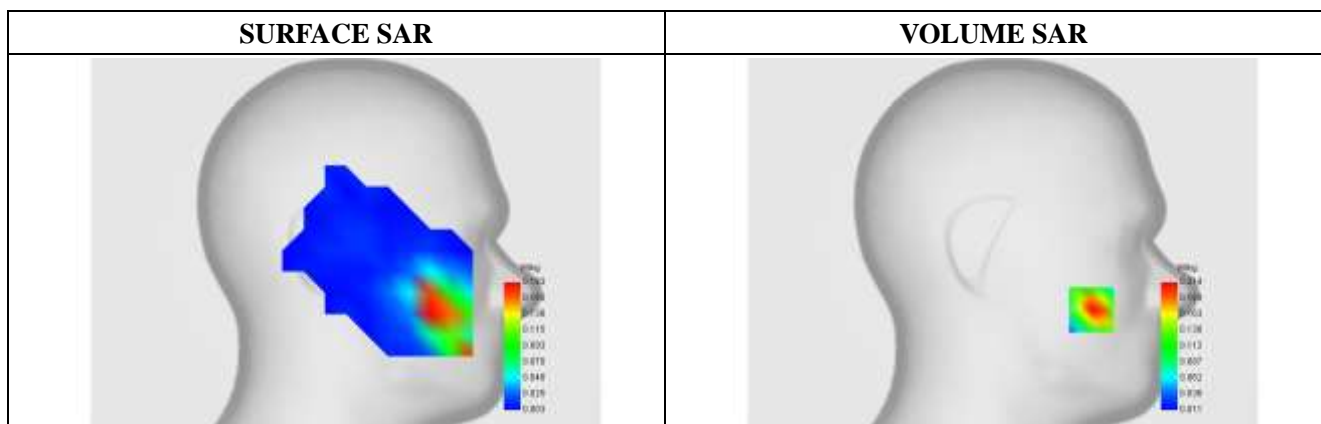
B. SAR Measurement Results

Frequency (MHz)	1745.0
Relative permittivity (real part)	39.72
Conductivity (S/m)	1.34
Variation (%)	0.54

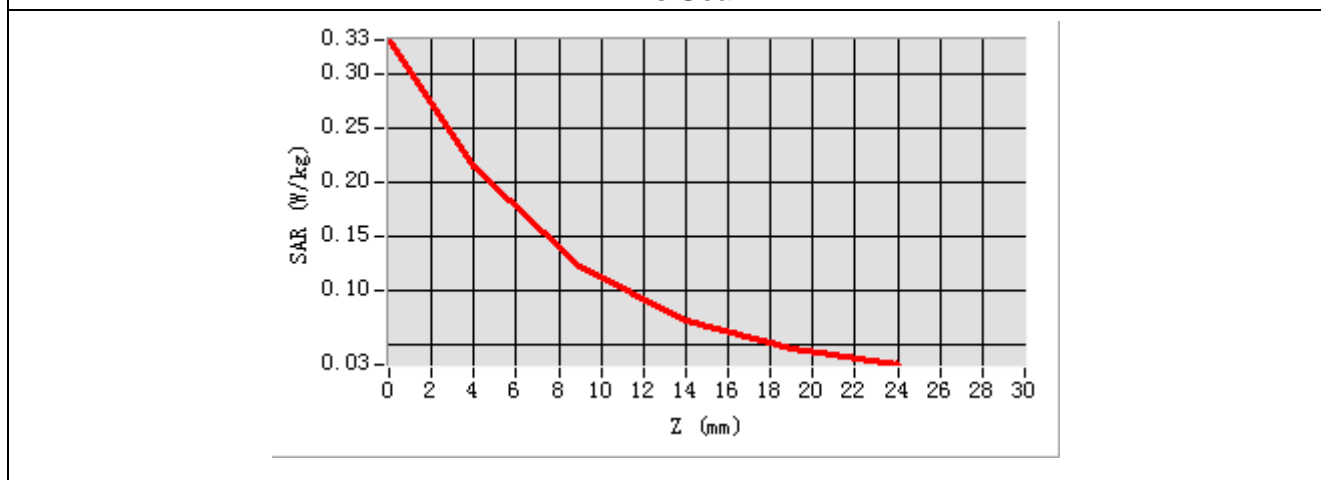
Maximum location: X=-69.00, Y=-48.00

SAR Peak: 0.33 W/kg

SAR 10g (W/Kg)	0.112046
SAR 1g (W/Kg)	0.201450



Z Axis Scan



Testing result (LTE Band 66, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 06/18/2023

A. Experimental conditions.

E-Field Probe	SATIMO SN 32/22 EPGO383
Area Scan	dx=15mm dy=15mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	LTE Band 66
Channels	Middle
Signal	LTE(Crest factor: 1.0)

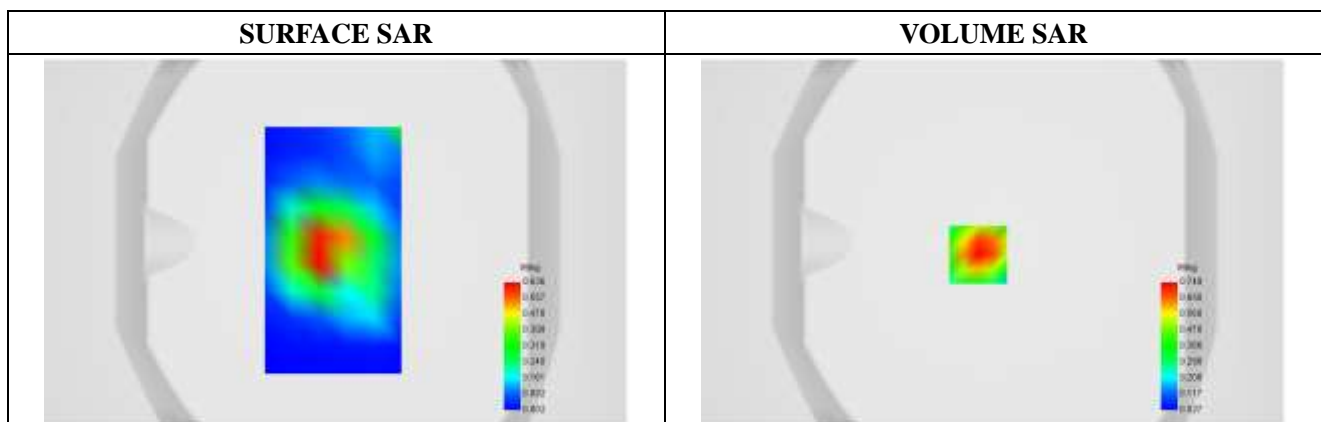
B. SAR Measurement Results

Frequency (MHz)	1745.0
Relative permittivity (real part)	39.72
Conductivity (S/m)	1.34
Variation (%)	0.17

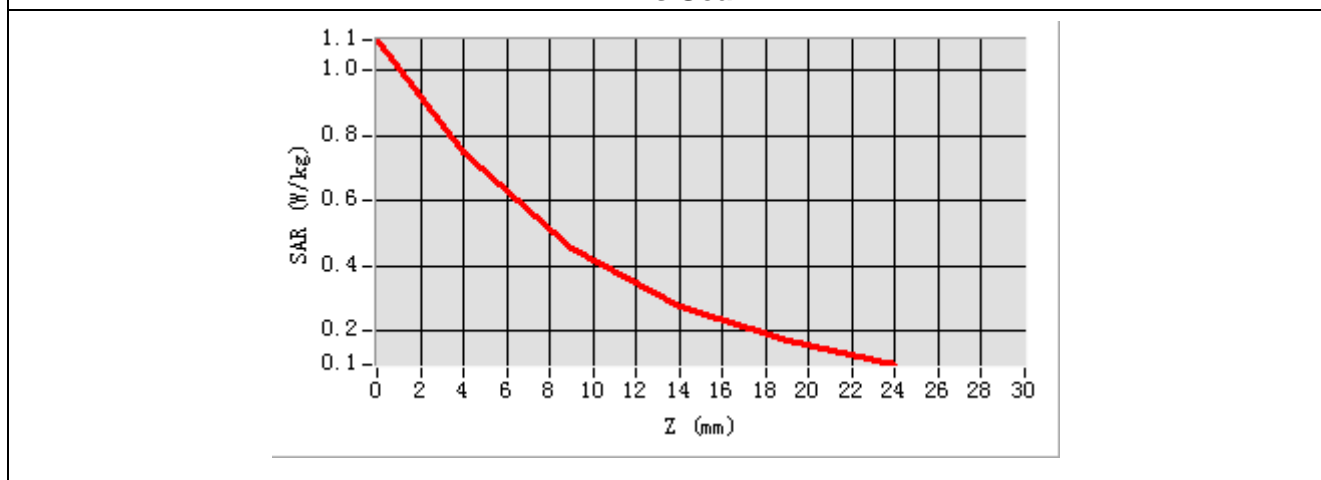
Maximum location: X=-9.00, Y=-7.00

SAR Peak: 1.11 W/kg

SAR 10g (W/Kg)	0.404044
SAR 1g (W/Kg)	0.706805



Z Axis Scan



Testing result (WI-FI 2.4G 802.11b, Left Cheek, Middle, 0mm)

Type: phone measurement

Date of measurement: 06/11/2023

A. Experimental conditions.

E-Field Probe	SATIMO SN 32/22 EPGO383
Area Scan	dx=12mm dy=12mm
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Left Head
Device Position	Cheek
Band	WI-FI 802.11b
Channels	Middle
Signal	DSSS(Crest factor: 1.0)

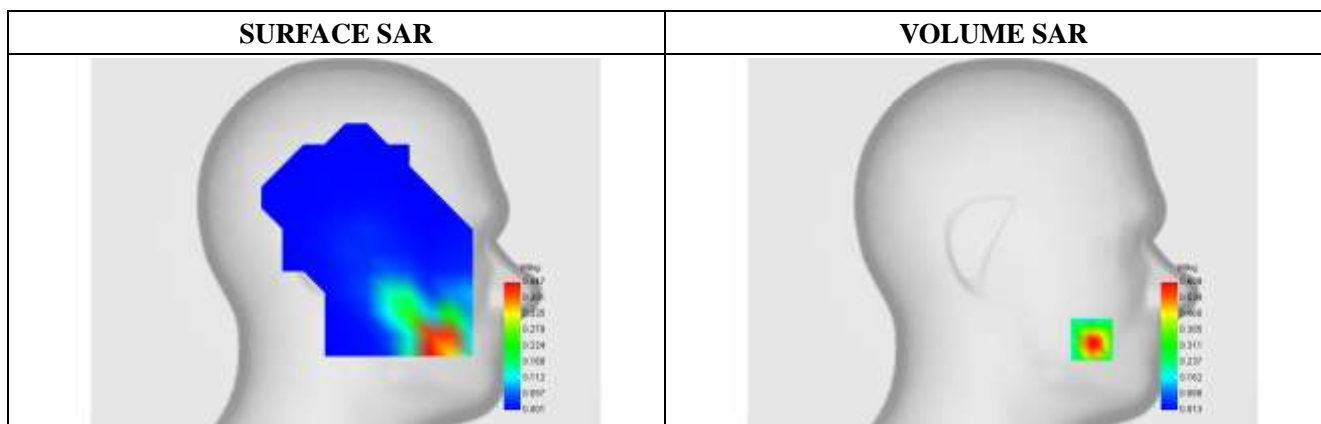
B. SAR Measurement Results

Frequency (MHz)	2437.0
Relative permittivity (real part)	38.69
Conductivity (S/m)	1.78
Variation (%)	-0.55

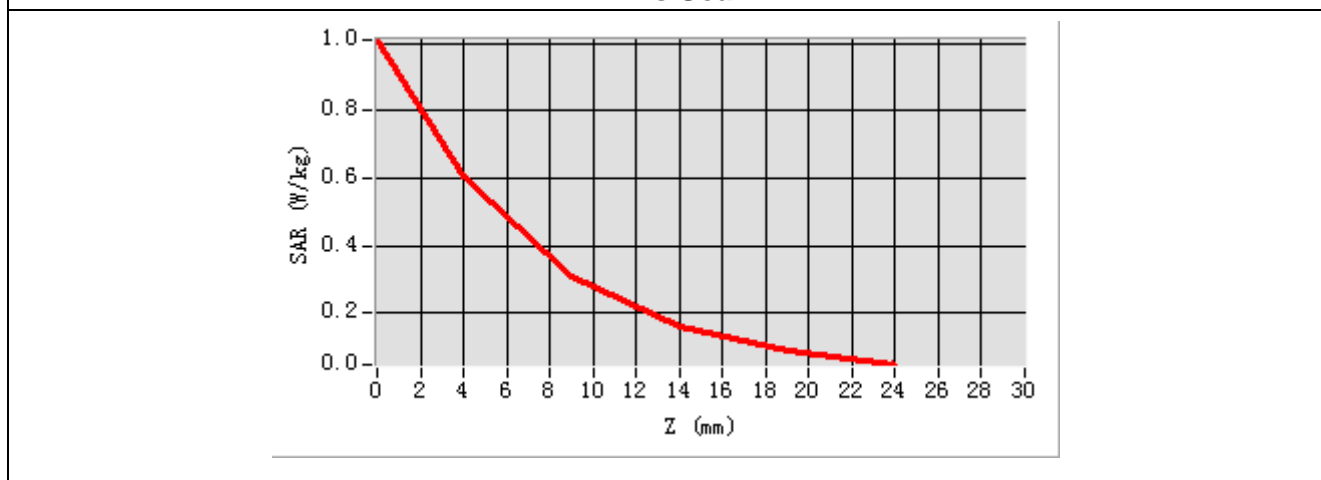
Maximum location: X=-69.00, Y=-69.00

SAR Peak: 1.03 W/kg

SAR 10g (W/Kg)	0.277970
SAR 1g (W/Kg)	0.564171



Z Axis Scan



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

Type: phone measurement

Date of measurement: 06/11/2023

A. Experimental conditions.

E-Field Probe	SATIMO SN 32/22 EPGO383
Area Scan	dx=12mm dy=12mm
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	WI-FI 802.11b
Channels	Middle
Signal	DSSS(Crest factor: 1.0)

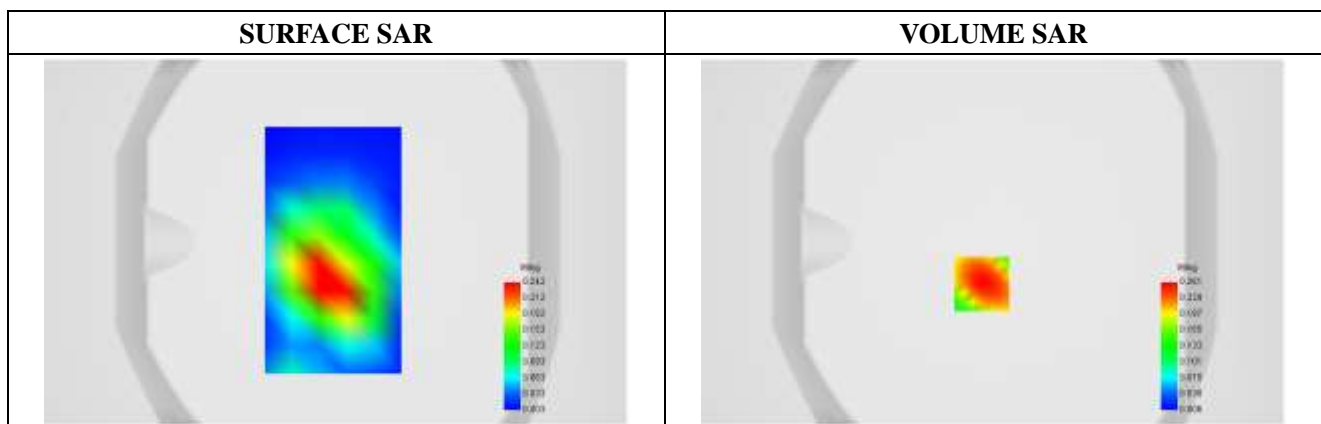
B. SAR Measurement Results

Frequency (MHz)	2437.0
Relative permittivity (real part)	38.69
Conductivity (S/m)	1.78
Variation (%)	-0.17

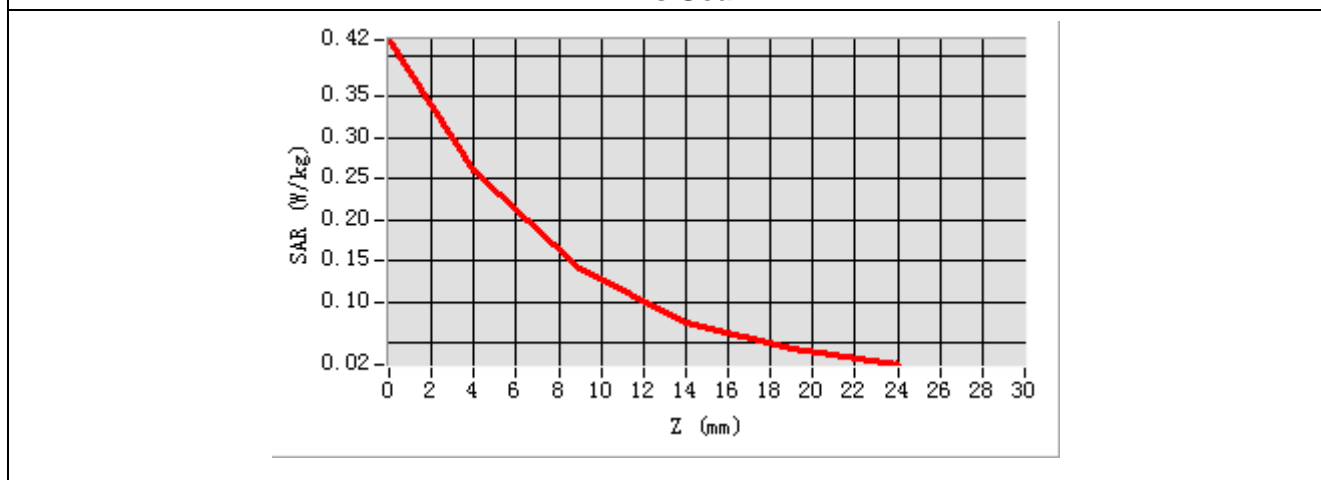
Maximum location: X=-7.00, Y=-23.00

SAR Peak: 0.42 W/kg

SAR 10g (W/Kg)	0.137582
SAR 1g (W/Kg)	0.246861



Z Axis Scan



Testing result (Bluetooth, Left Cheek, Middle, 0mm)

Type: phone measurement

Date of measurement: 06/11/2023

A. Experimental conditions.

E-Field Probe	SATIMO SN 32/22 EPGO383
Area Scan	dx=12mm dy=12mm
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Left Head
Device Position	Cheek
Band	Bluetooth
Channels	Middle
Signal	GFSK(Crest factor: 1.0)

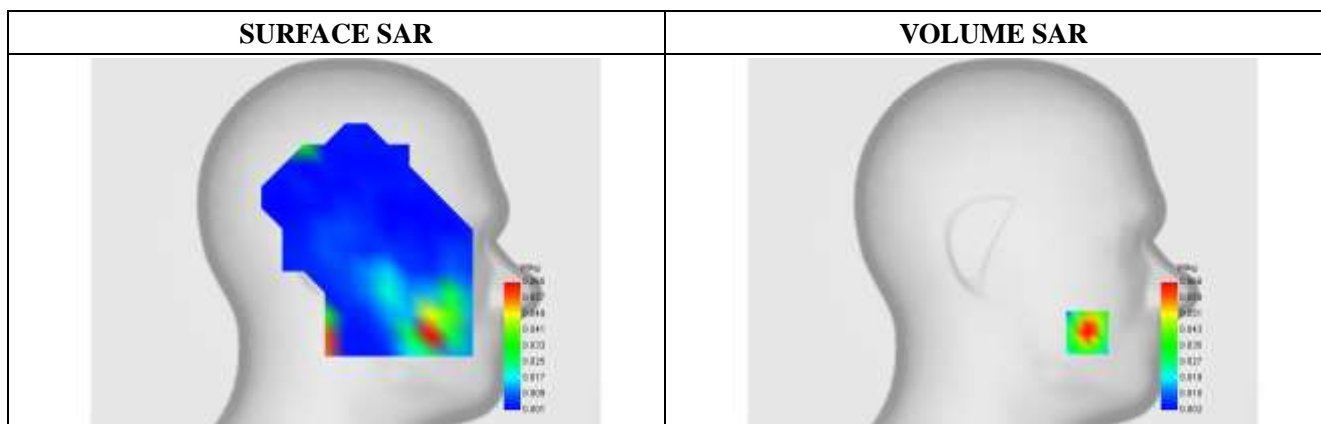
B. SAR Measurement Results

Frequency (MHz)	2441.0
Relative permittivity (real part)	39.66
Conductivity (S/m)	1.78
Variation (%)	-1.71

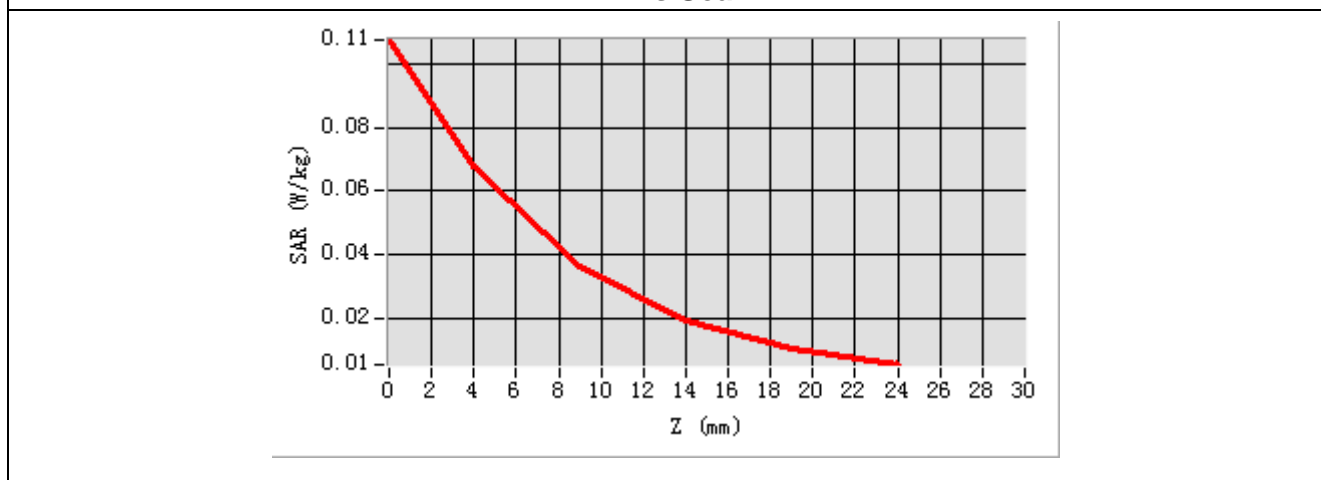
Maximum location: X=-66.00, Y=-64.00

SAR Peak: 0.12 W/kg

SAR 10g (W/Kg)	0.031828
SAR 1g (W/Kg)	0.061559



Z Axis Scan



Testing result (Bluetooth, Back, Middle, 10mm)

Type: phone measurement

Date of measurement: 06/11/2023

A. Experimental conditions.

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

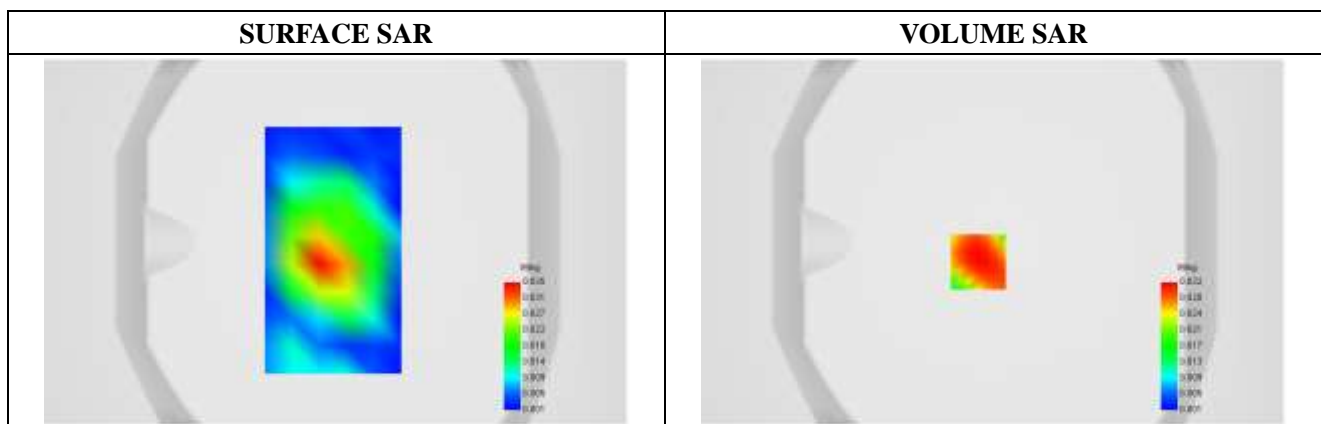
B. SAR Measurement Results

Frequency (MHz)	2441.0
Relative permittivity (real part)	39.66
Conductivity (S/m)	1.78
Variation (%)	-0.25

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

SAR Peak: 0.05 W/kg

SAR 10g (W/Kg)	0.017738
SAR 1g (W/Kg)	0.031095



Z Axis Scan

