

**Appendix B: SAR Measurement results Plots**

Plot	Frequency/Mode	Testing Position and Channel	Test Date
1	LTE Band 2	Body Back, Low ,5mm	2023/07/29
2	LTE Band 4	Body Back Repeat, High ,5mm	2023/08/02
3	LTE Band 4	Product Specific 10g SAR Back, High 0mm	2023/08/02
4	LTE Band 12	Body Back, Low ,5mm	2023/07/30
5	LTE Band 14	Body Back, Middle ,5mm	2023/07/30
6	LTE Band 66	Body Back, Middle ,5mm	2023/08/02
7	LTE Band 66	Product Specific 10g SAR Back, Middle ,5mm	2023/08/02

Testing result (LTE Band 2, Back, Low, 5mm)

Type: phone measurement

Date of measurement: 07/29/2023

A. Experimental conditions.

E-Field Probe	SATIMO 0523-EPGO-403
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)

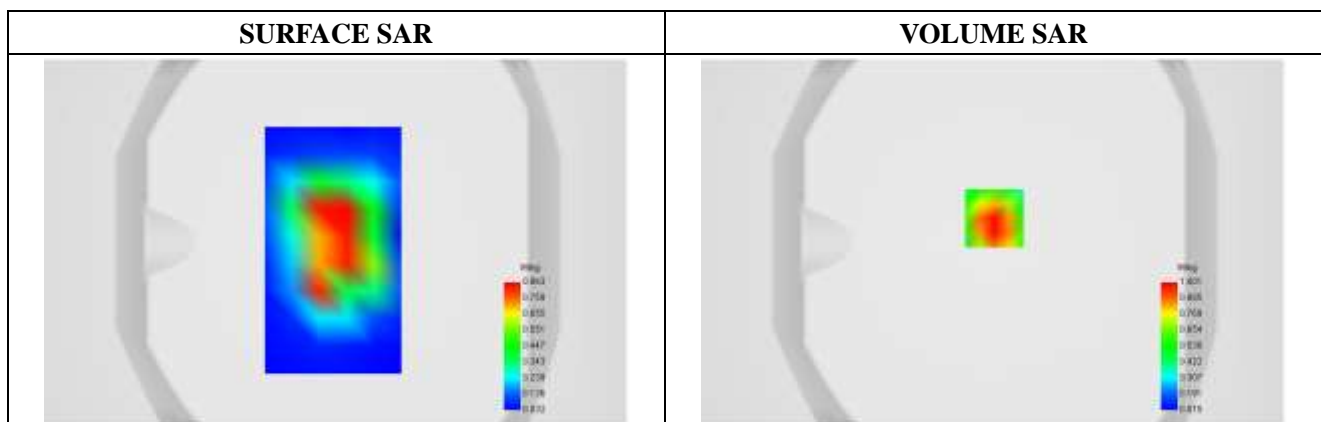
B. SAR Measurement Results

Frequency (MHz)	1860.0
Relative permittivity (real part)	39.02
Conductivity (S/m)	1.39
Variation (%)	0.19

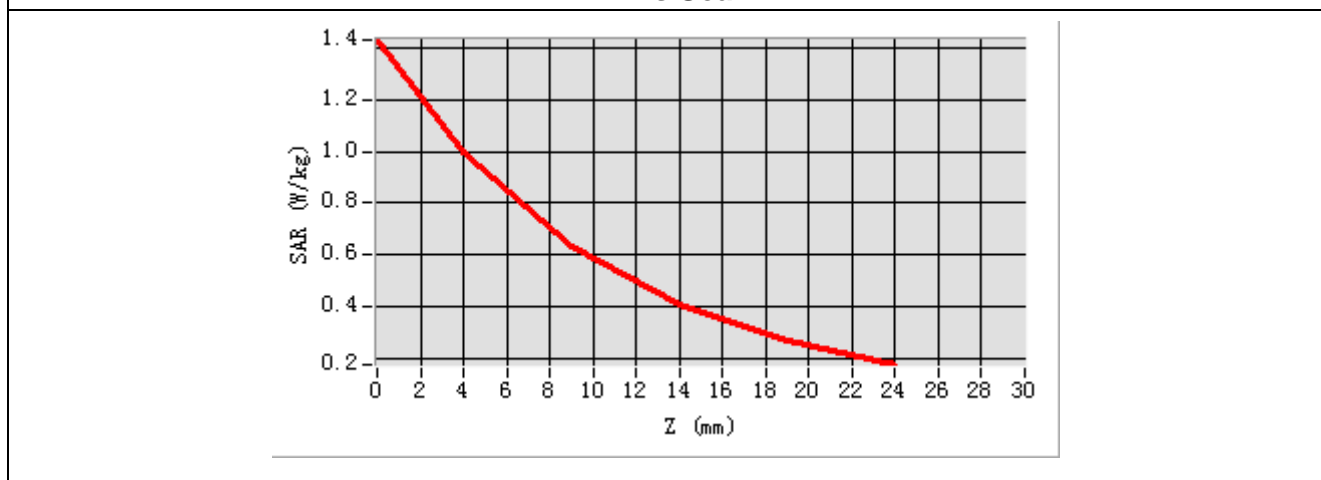
Maximum location: X=0.00, Y=13.00

SAR Peak: 1.47 W/kg

SAR 10g (W/Kg)	0.566408
SAR 1g (W/Kg)	0.906873



Z Axis Scan



Testing result (LTE Band 4, Back Repeat, High, 5mm)

Type: phone measurement

Date of measurement: 08/02/2023

A. Experimental conditions.

E-Field Probe	SATIMO 0523-EPGO-403
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	High
Signal	LTE(Crest factor: 1.0)

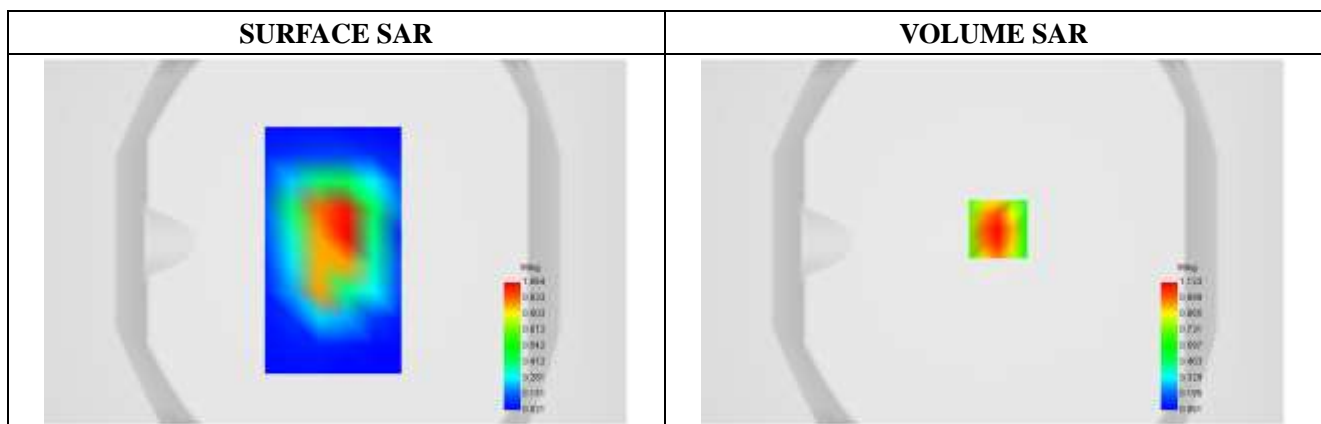
B. SAR Measurement Results

Frequency (MHz)	1745.0
Relative permittivity (real part)	40.58
Conductivity (S/m)	1.37
Variation (%)	1.20

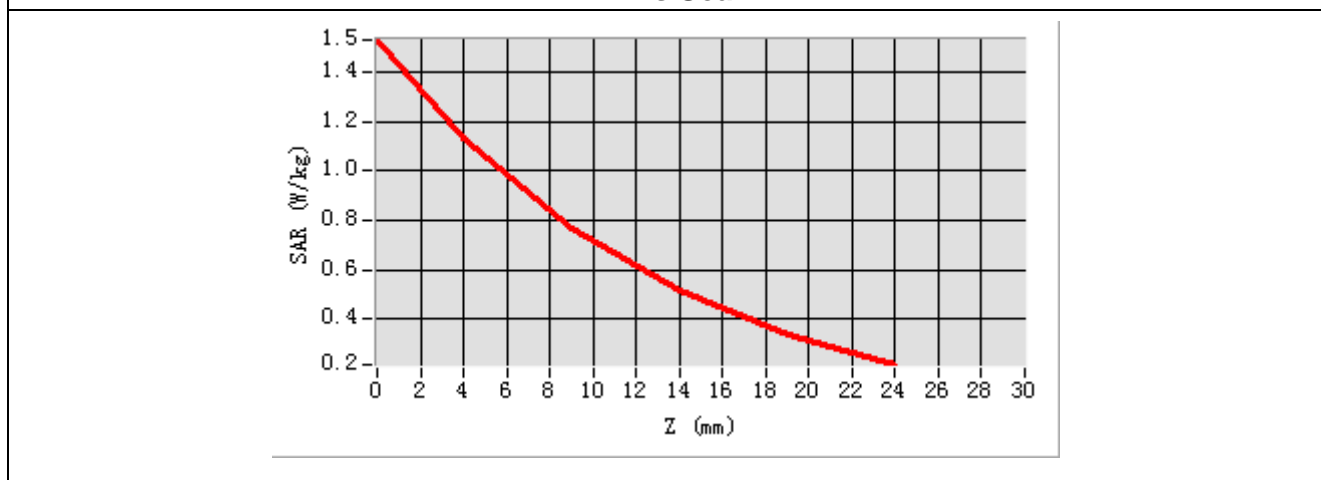
Maximum location: X=2.00, Y=7.00

SAR Peak: 1.57 W/kg

SAR 10g (W/Kg)	0.614963
SAR 1g (W/Kg)	0.926820



Z Axis Scan



Testing result (LTE Band 4, Product Specific 10g SAR Back, High, 0mm)

Type: phone measurement

Date of measurement: 08/02/2023

A. Experimental conditions.

E-Field Probe	SATIMO 0523-EPGO-403
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	High
Signal	LTE(Crest factor: 1.0)

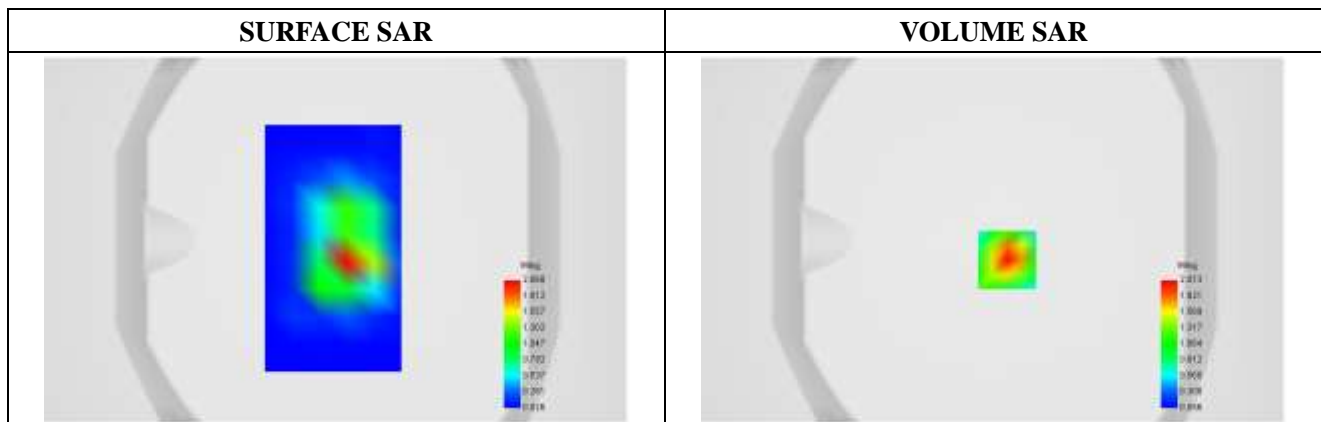
B. SAR Measurement Results

Frequency (MHz)	1745.0
Relative permittivity (real part)	40.58
Conductivity (S/m)	1.37
Variation (%)	-0.84

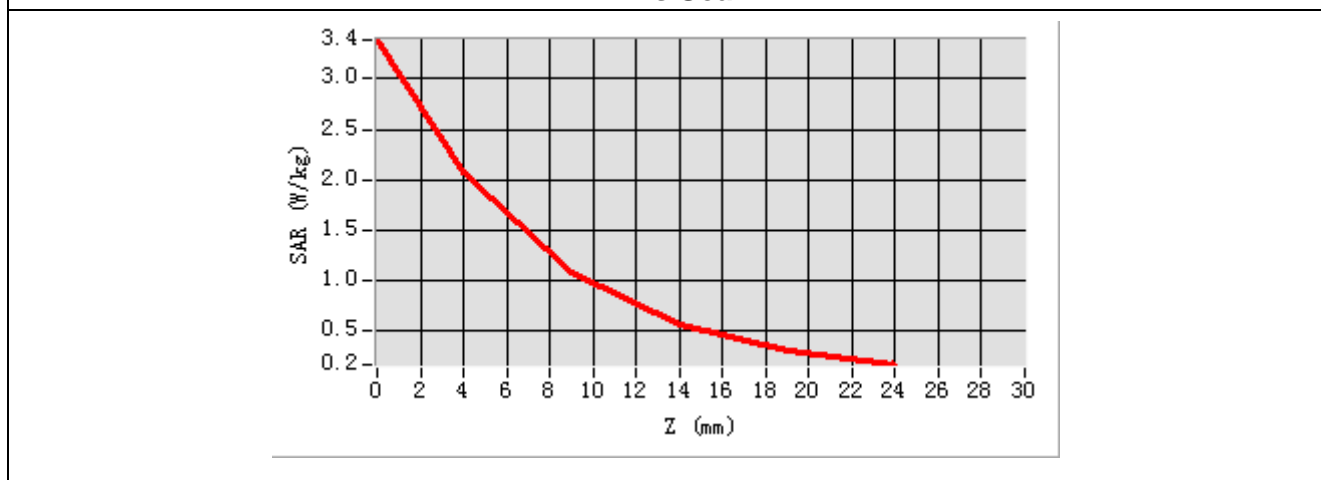
Maximum location: X=7.00, Y=-11.00

SAR Peak: 3.39 W/kg

SAR 10g (W/Kg)	0.993492
SAR 1g (W/Kg)	1.923521



Z Axis Scan



Testing result (LTE Band 12, Back, Low, 5mm)

Type: phone measurement

Date of measurement: 07/30/2023

A. Experimental conditions.

E-Field Probe	SATIMO 0523-EPGO-403
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	Low
Signal	LTE(Crest factor: 1.0)

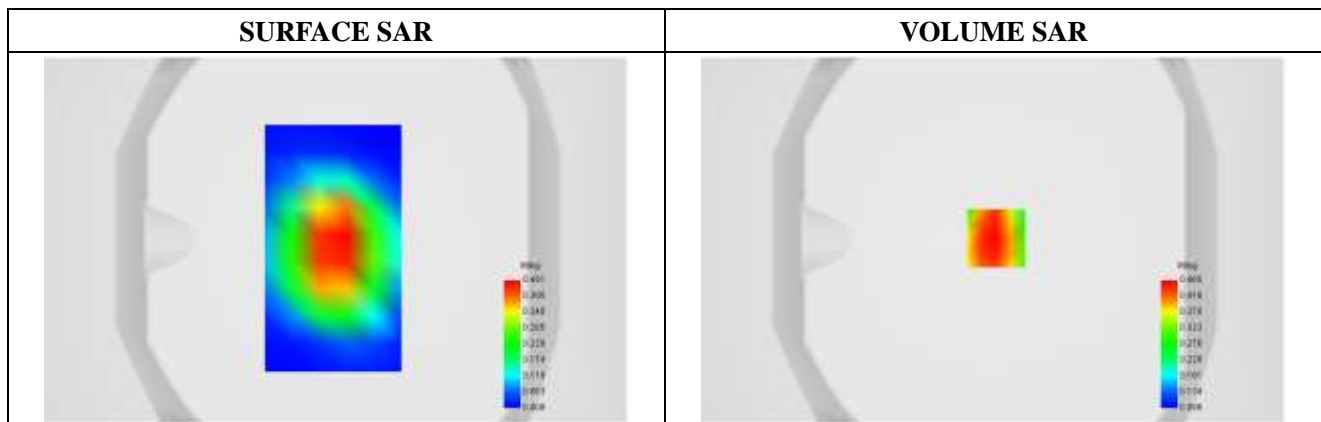
B. SAR Measurement Results

Frequency (MHz)	704.0
Relative permittivity (real part)	41.86
Conductivity (S/m)	0.85
Variation (%)	1.85

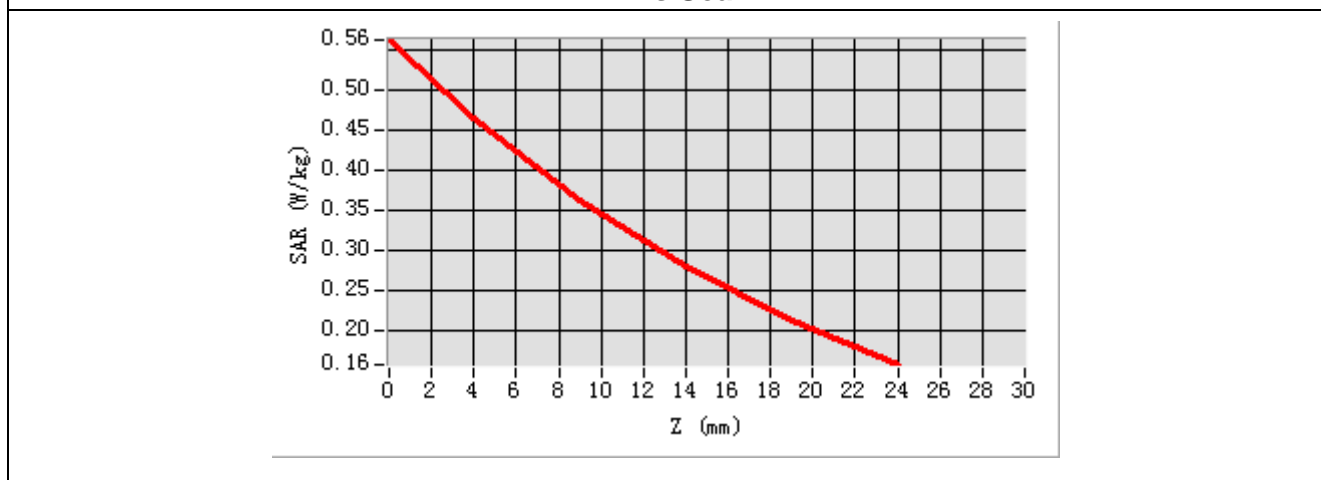
Maximum location: X=1.00, Y=1.00

SAR Peak: 0.64 W/kg

SAR 10g (W/Kg)	0.333032
SAR 1g (W/Kg)	0.466468



Z Axis Scan



Testing result (LTE Band 14, Back, Middle, 5mm)

Type: phone measurement

Date of measurement: 08/02/2023

A. Experimental conditions.

E-Field Probe	SATIMO 0523-EPGO-403
Area Scan	dx=15mm dy=15mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	LTE Band 14
Channels	Middle
Signal	LTE(Crest factor: 1.0)

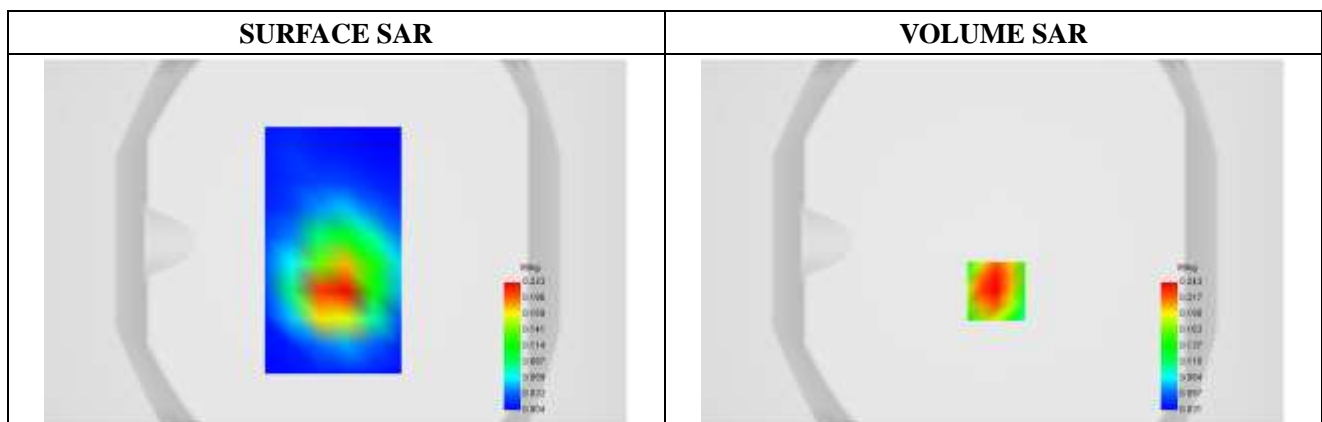
B. SAR Measurement Results

Frequency (MHz)	793.0
Relative permittivity (real part)	41.64
Conductivity (S/m)	0.90
Variation (%)	-0.60

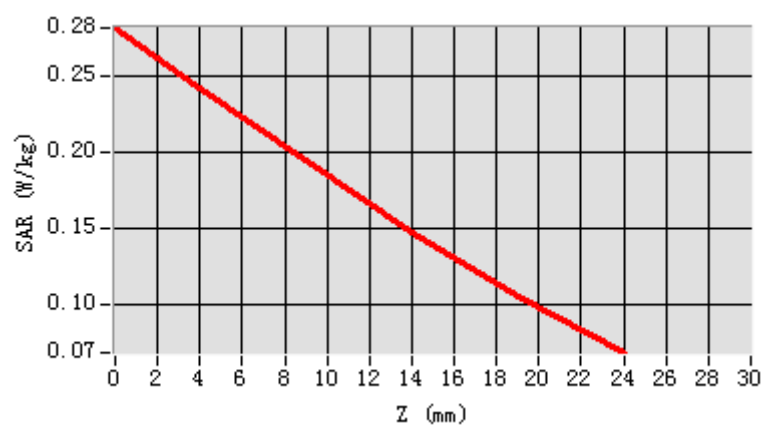
Maximum location: X=1.00, Y=-27.00

SAR Peak: 0.29 W/kg

SAR 10g (W/Kg)	0.167031
SAR 1g (W/Kg)	0.234263



Z Axis Scan



Testing result (LTE Band 66, Back, Middle, 5mm)

Type: phone measurement

Date of measurement: 08/02/2023

A. Experimental conditions.

E-Field Probe	SATIMO 0523-EPGO-403
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)

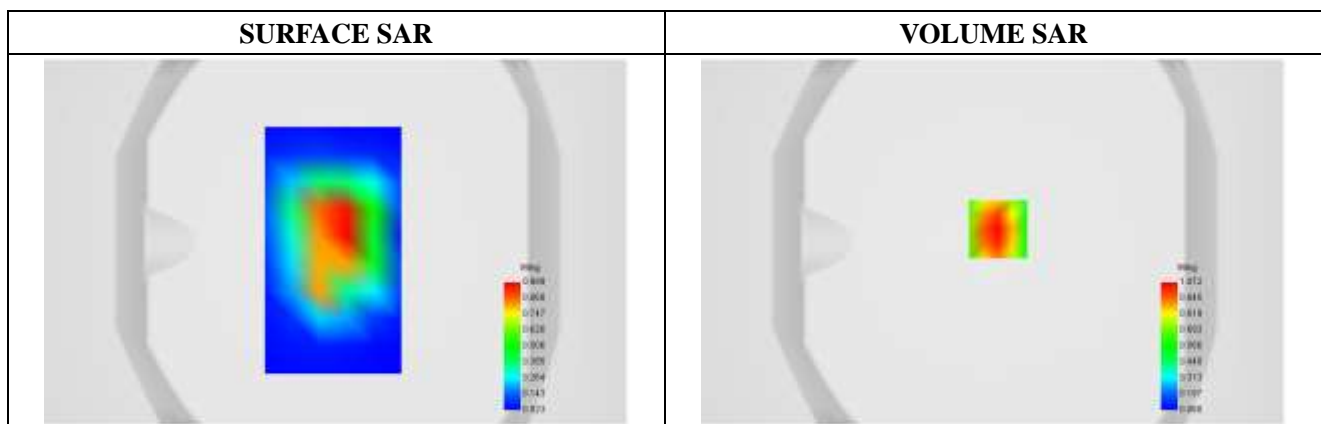
B. SAR Measurement Results

Frequency (MHz)	1745.0
Relative permittivity (real part)	40.58
Conductivity (S/m)	1.37
Variation (%)	-1.11

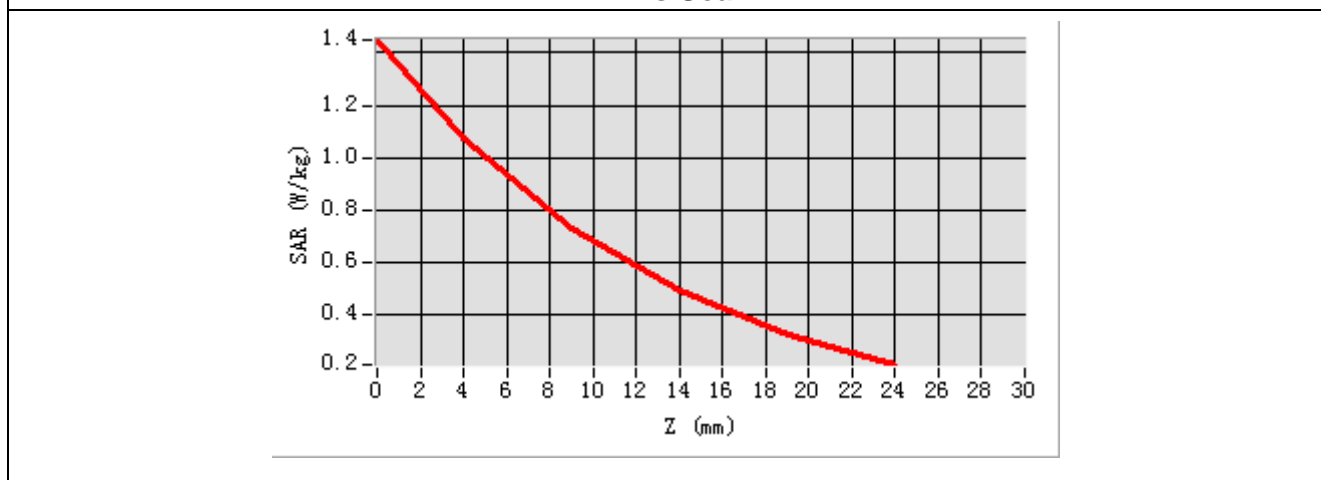
Maximum location: X=2.00, Y=7.00

SAR Peak: 1.49 W/kg

SAR 10g (W/Kg)	0.612164
SAR 1g (W/Kg)	0.985806



Z Axis Scan



Testing result (LTE Band 66, Product Specific 10g Back, High, 0mm)

Type: phone measurement

Date of measurement: 08/02/2023

A. Experimental conditions.

E-Field Probe	SATIMO 0523-EPGO-403
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	High
Signal	LTE(Crest factor: 1.0)

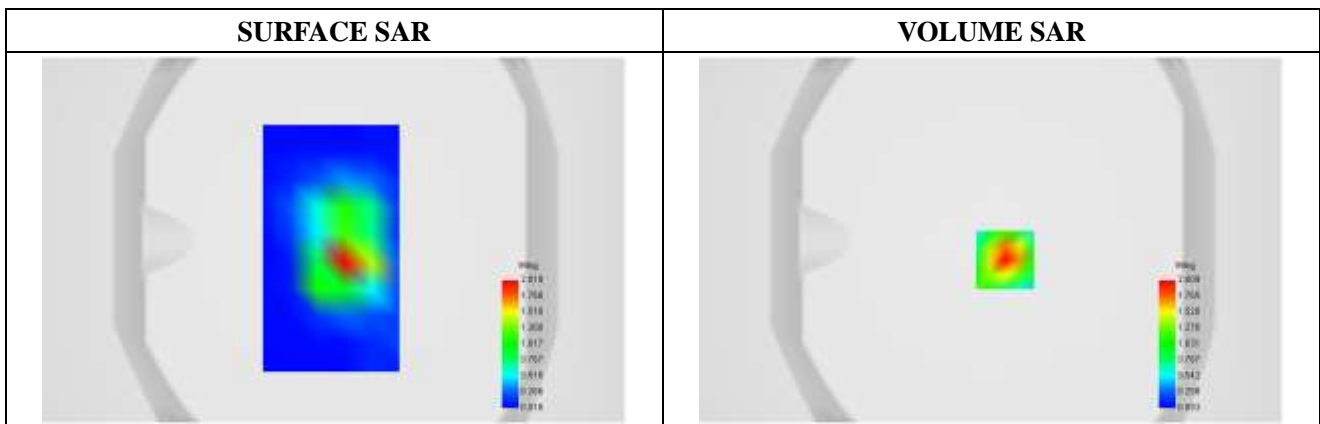
B. SAR Measurement Results

Frequency (MHz)	1770.0
Relative permittivity (real part)	40.47
Conductivity (S/m)	1.39
Variation (%)	1.92

Maximum location: X=7.00, Y=-11.00

SAR Peak: 3.27 W/kg

SAR 10g (W/Kg)	0.957304
SAR 1g (W/Kg)	1.859248



Z Axis Scan

