

System Performance Check (750MHz)

Type: Validation measurement

Date of measurement: 05/06/2024

A. Experimental conditions.

E-Field Probe	SATIMO 3223-EPGO-422
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	750MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

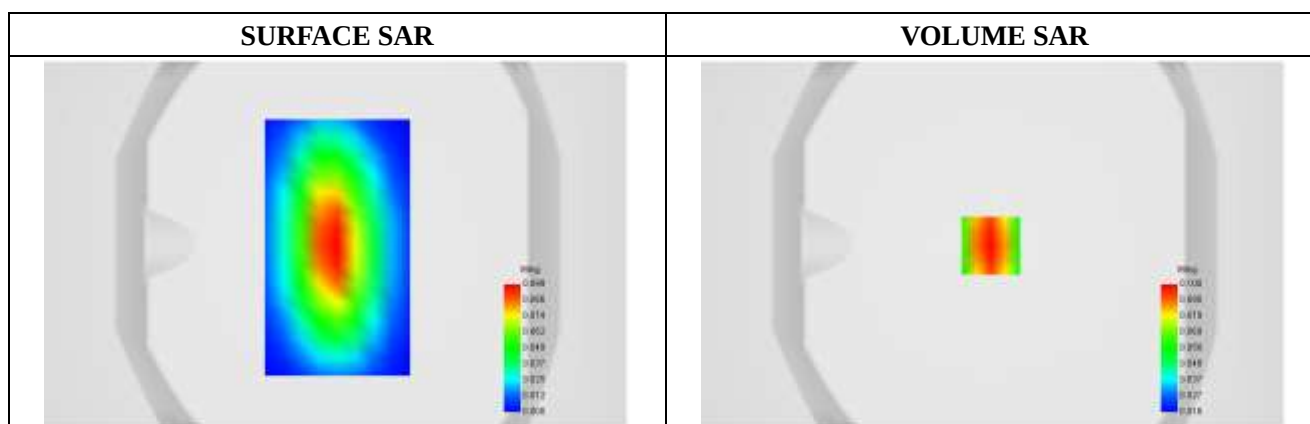
B. SAR Measurement Results

Frequency (MHz)	750
Relative permittivity (real part)	42.73
Conductivity (S/m)	0.91
Variation (%)	0.26

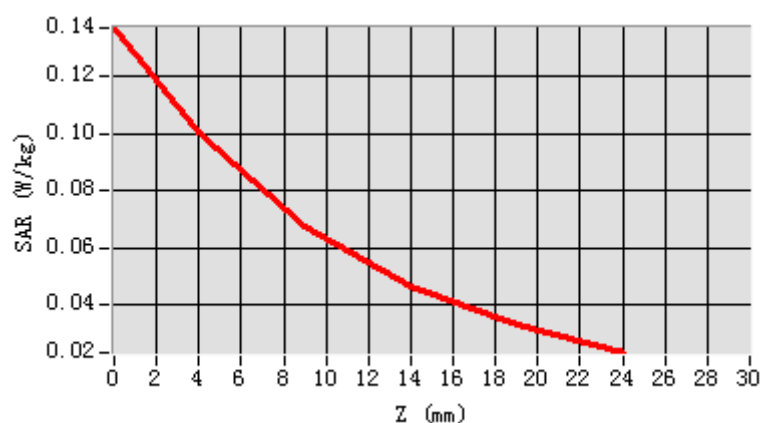
Maximum location: X=-2.00, Y=-1.00

SAR Peak: 0.14 W/kg

SAR 10g (W/Kg)	0.061034
SAR 1g (W/Kg)	0.093953



Z Axis Scan



System Performance Check (835MHz)

Type: Validation measurement

Date of measurement: 05/09/2024

A. Experimental conditions.

E-Field Probe	SATIMO 3223-EPGO-422
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	835MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

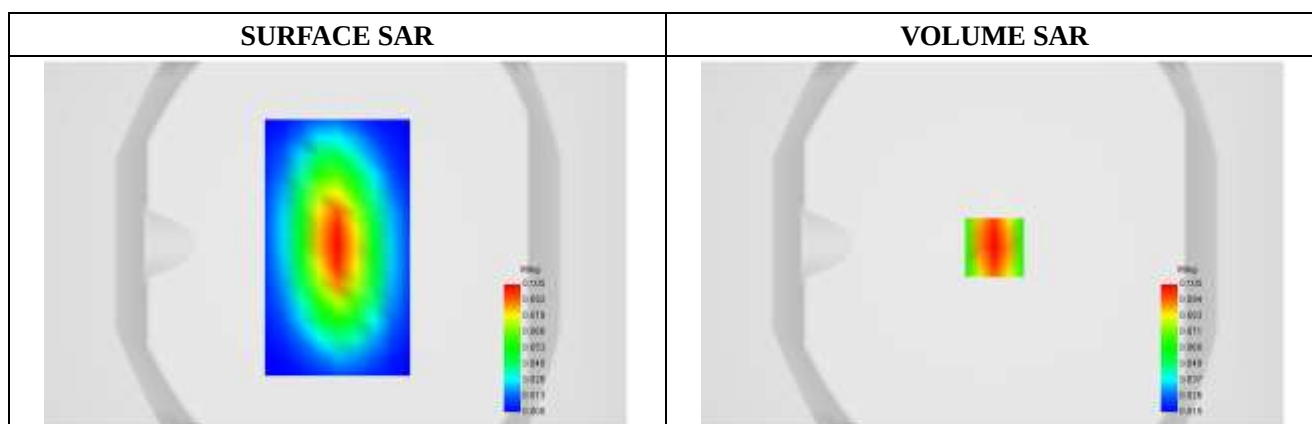
B. SAR Measurement Results

Frequency (MHz)	835
Relative permittivity (real part)	41.24
Conductivity (S/m)	0.92
Variation (%)	-1.07

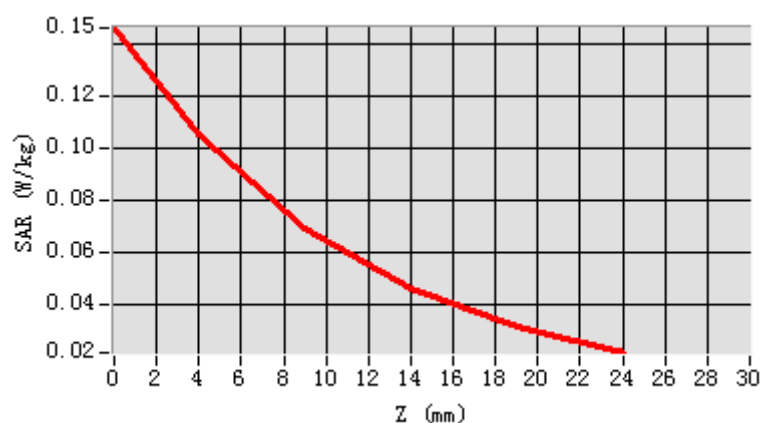
Maximum location: X=0.00, Y=-2.00

SAR Peak: 0.15 W/kg

SAR 10g (W/Kg)	0.063410
SAR 1g (W/Kg)	0.100707



Z Axis Scan



System Performance Check (1800MHz)

Type: Validation measurement

Date of measurement: 04/30/2024

A. Experimental conditions.

E-Field Probe	SATIMO 3223-EPGO-422
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	1800MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

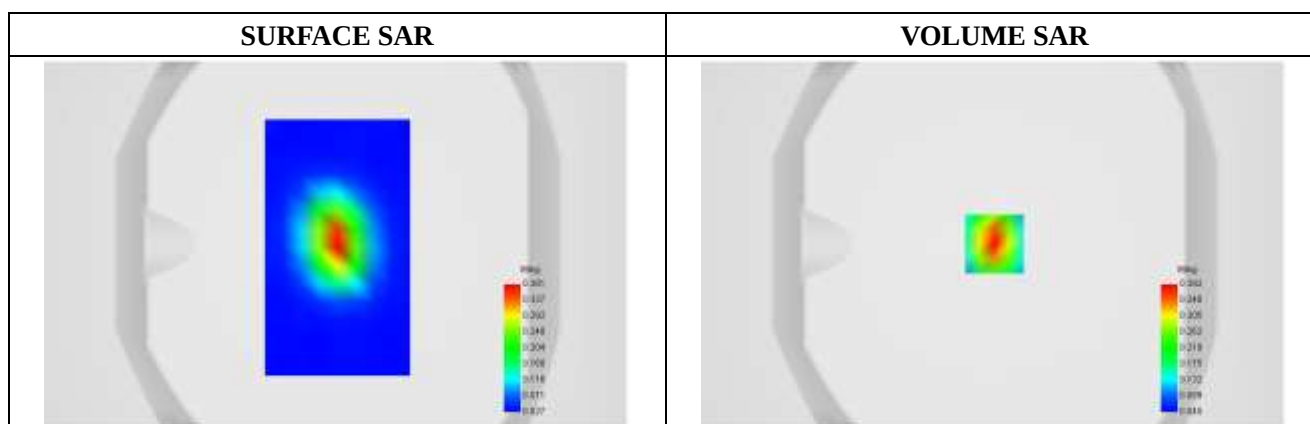
B. SAR Measurement Results

Frequency (MHz)	1800
Relative permittivity (real part)	40.83
Conductivity (S/m)	1.38
Variation (%)	0.07

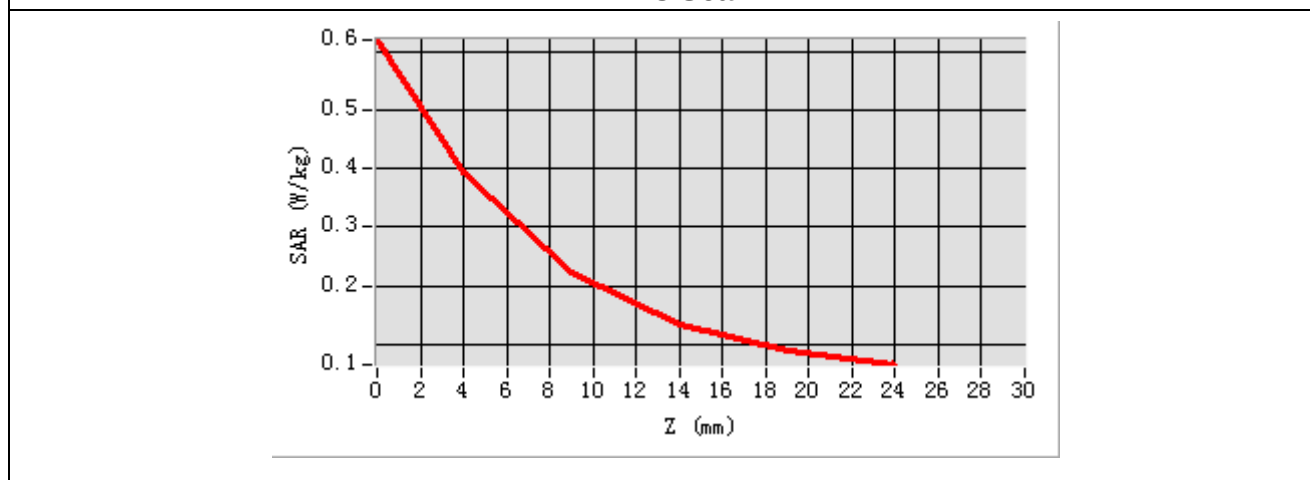
Maximum location: X=-1.00, Y=0.00

SAR Peak: 0.62 W/kg

SAR 10g (W/Kg)	0.201084
SAR 1g (W/Kg)	0.372538



Z Axis Scan



System Performance Check (1900MHz)

Type: Validation measurement

Date of measurement: 05/07/2024

A. Experimental conditions.

E-Field Probe	SATIMO 3223-EPGO-422
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	1900MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

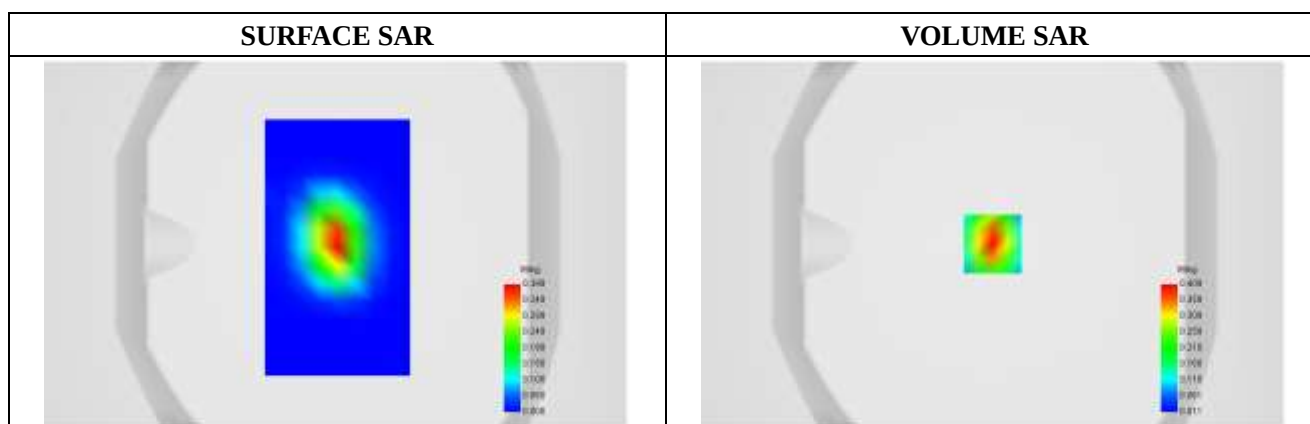
B. SAR Measurement Results

Frequency (MHz)	1900
Relative permittivity (real part)	39.80
Conductivity (S/m)	1.42
Variation (%)	-0.51

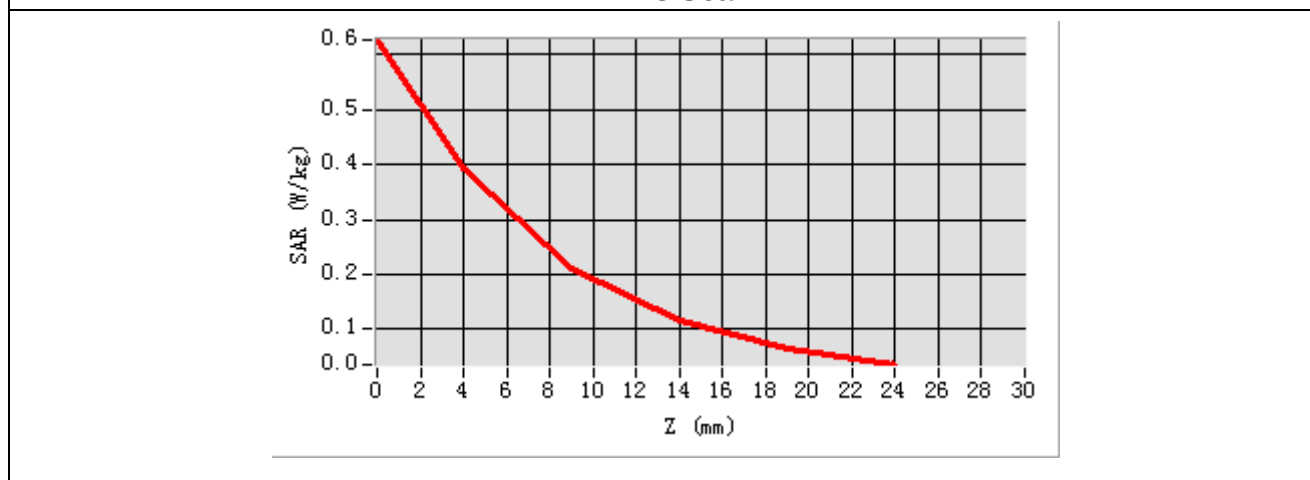
Maximum location: X=-1.00, Y=0.00

SAR Peak: 0.63 W/kg

SAR 10g (W/Kg)	0.196842
SAR 1g (W/Kg)	0.395130



Z Axis Scan



System Performance Check (2450MHz)

Type: Validation measurement

Date of measurement: 05/12/2024

A. Experimental conditions.

E-Field Probe	SATIMO 3223-EPGO-422
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	2450MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

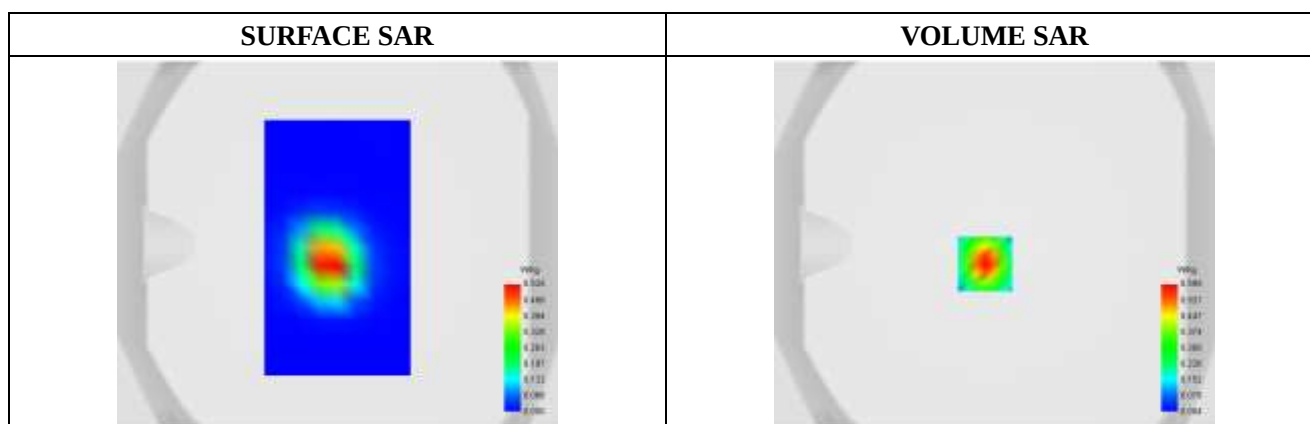
B. SAR Measurement Results

Frequency (MHz)	2450
Relative permittivity (real part)	39.65
Conductivity (S/m)	1.84
Variation (%)	0.18

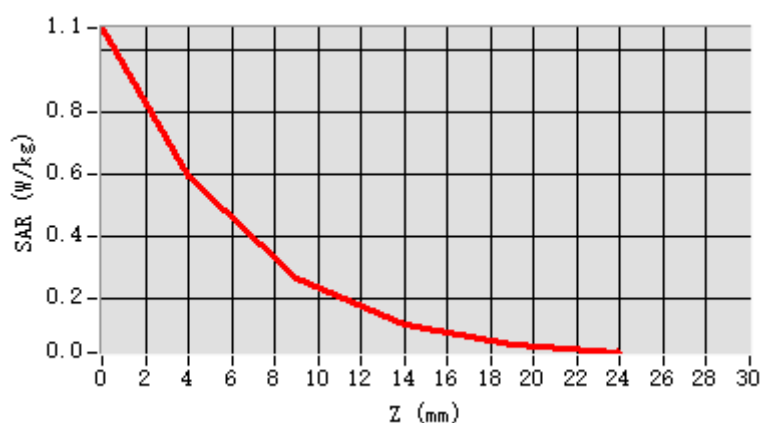
Maximum location: X=5.00, Y=-11.00

SAR Peak: 1.07 W/kg

SAR 10g (W/Kg)	0.241164
SAR 1g (W/Kg)	0.536817



Z Axis Scan



System Performance Check (2600MHz)

Type: Validation measurement

Date of measurement: 05/14/2024

A. Experimental conditions.

E-Field Probe	SATIMO 3223-EPGO-422
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	2600MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

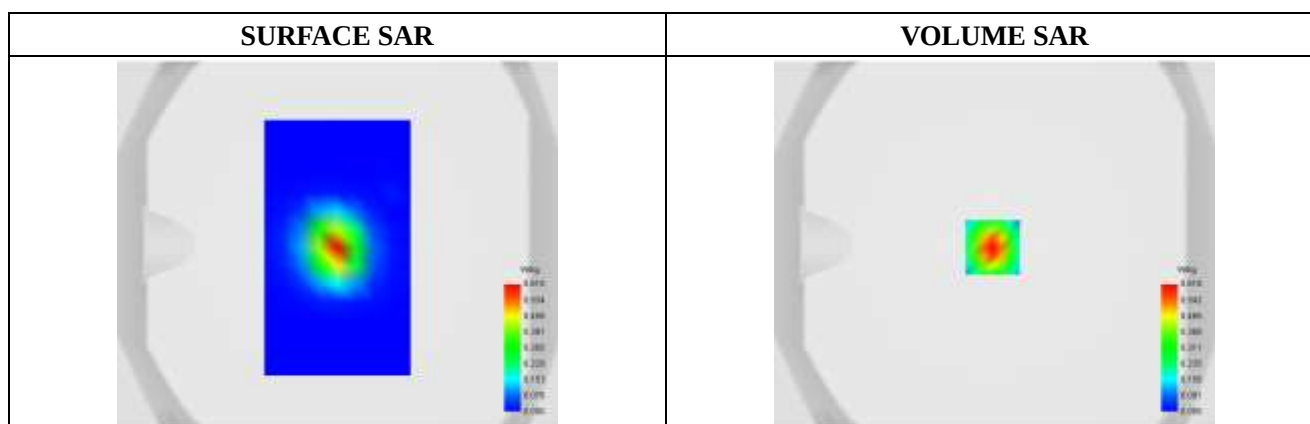
B. SAR Measurement Results

Frequency (MHz)	2600
Relative permittivity (real part)	39.26
Conductivity (S/m)	1.98
Variation (%)	0.20

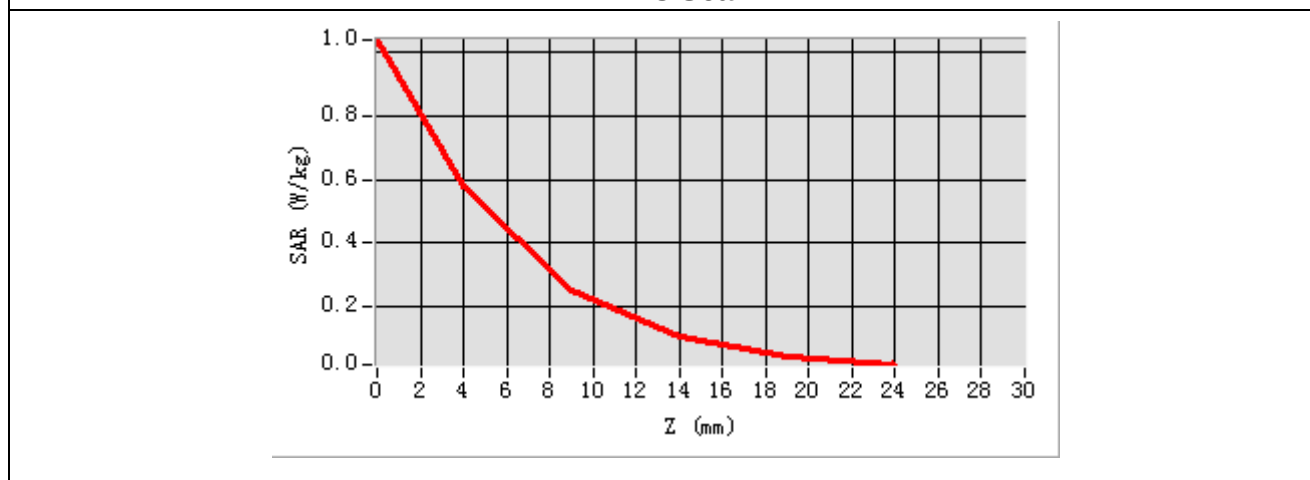
Maximum location: X=-1.00, Y=-2.00

SAR Peak: 1.04 W/kg

SAR 10g (W/Kg)	0.242740
SAR 1g (W/Kg)	0.555286



Z Axis Scan



System Performance Check (5200MHz)

Type: Validation measurement

Date of measurement: 05/10/2024

A. Experimental conditions.

E-Field Probe	SATIMO SN 41/18 EPGO330
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Dipole
Band	5200MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

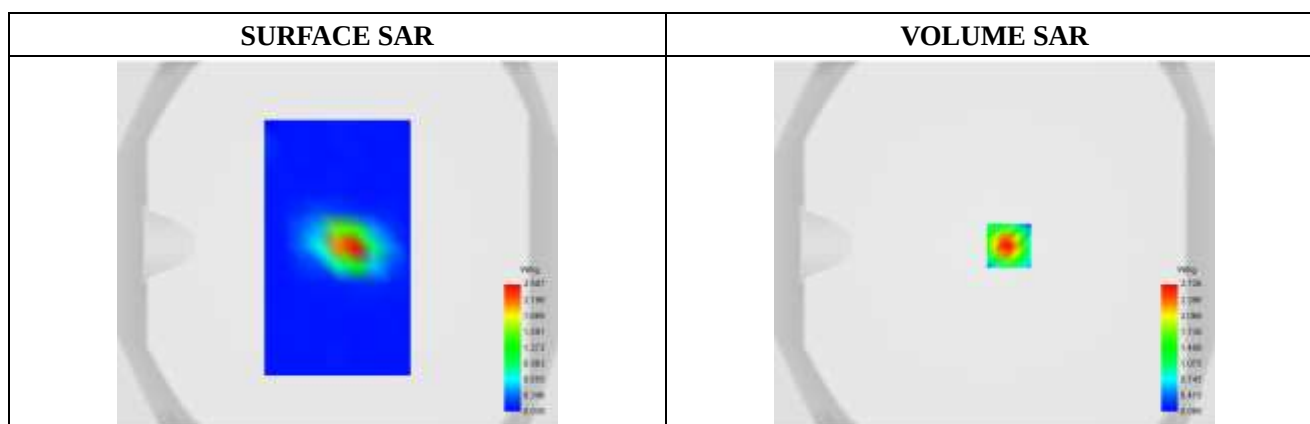
B. SAR Measurement Results

Frequency (MHz)	5200
Relative permittivity (real part)	35.26
Conductivity (S/m)	4.51
Variation (%)	0.21

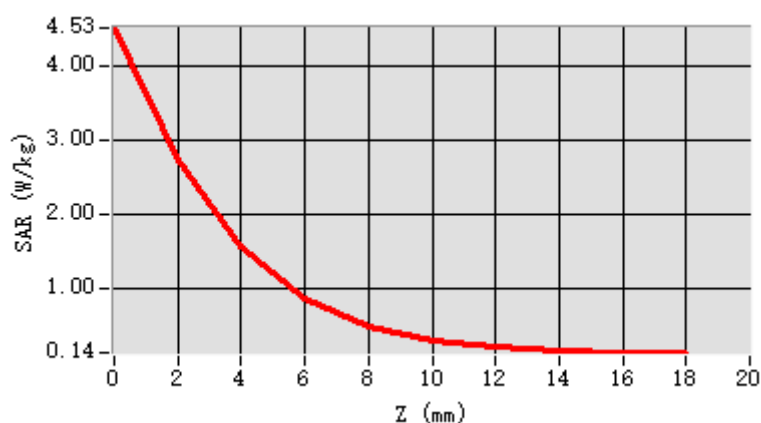
Maximum location: X=8.00, Y=-1.00

SAR Peak: 4.53 W/kg

SAR 10g (W/Kg)	0.556163
SAR 1g (W/Kg)	1.542649



Z Axis Scan



System Performance Check (5800MHz)

Type: Validation measurement

Date of measurement: 05/11/2024

A. Experimental conditions.

E-Field Probe	SATIMO SN 41/18 EPG0330
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Dipole
Band	5800MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

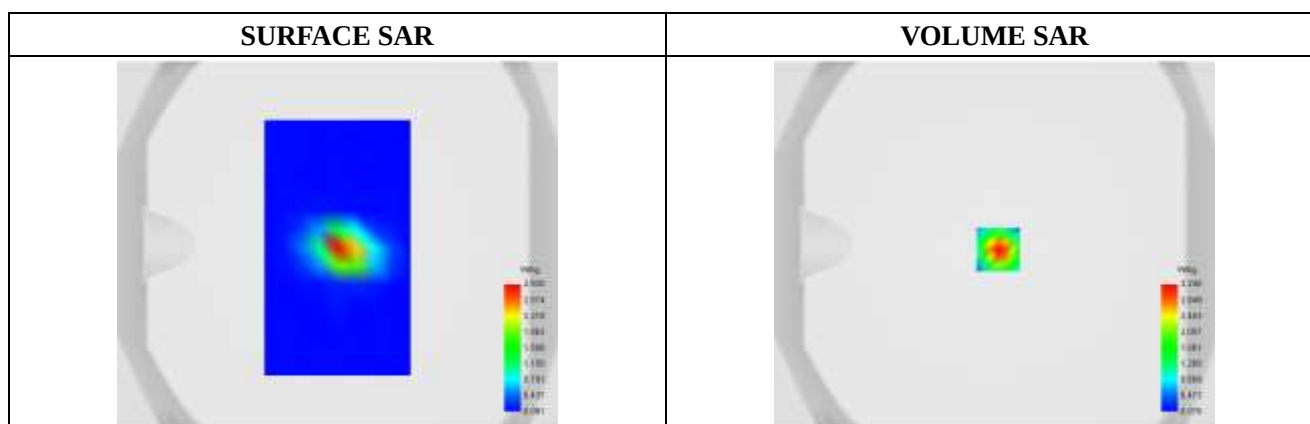
B. SAR Measurement Results

Frequency (MHz)	5800
Relative permittivity (real part)	34.14
Conductivity (S/m)	5.25
Variation (%)	0.04

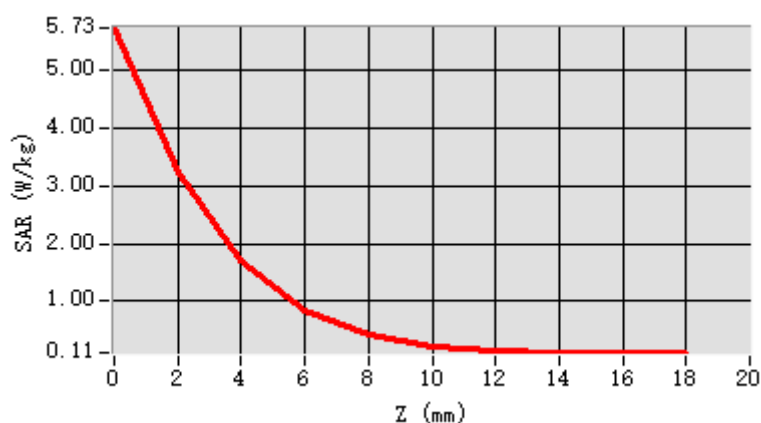
Maximum location: X=2.00, Y=-3.00

SAR Peak: 5.73 W/kg

SAR 10g (W/Kg)	0.587261
SAR 1g (W/Kg)	1.719569



Z Axis Scan



System Performance Check (750MHz)

Type: Validation measurement

Date of measurement: 03/13/2025

A. Experimental conditions.

E-Field Probe	SATIMO 3723-EPGO-433
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	750MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

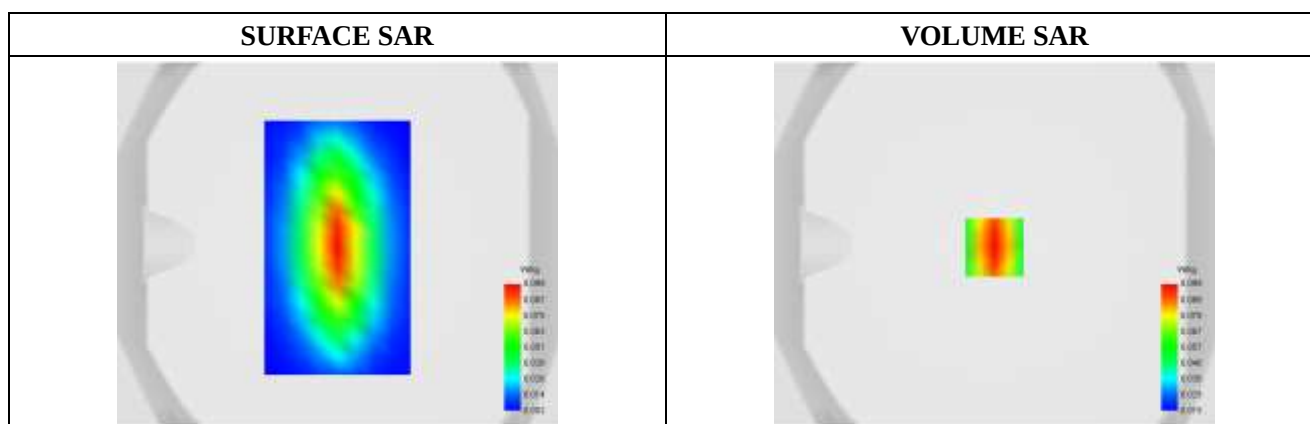
B. SAR Measurement Results

Frequency (MHz)	750
Relative permittivity (real part)	42.39
Conductivity (S/m)	0.87
Variation (%)	0.40

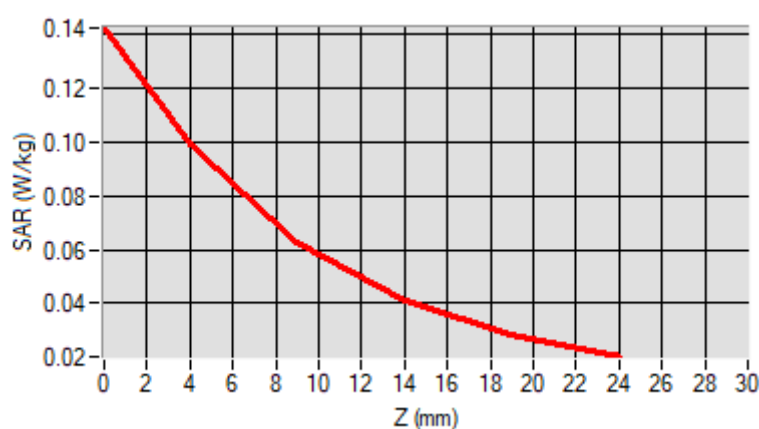
Maximum location: X=0.00, Y=-2.00

SAR Peak: 0.14 W/kg

SAR 10g (W/Kg)	0.059153
SAR 1g (W/Kg)	0.093437



Z Axis Scan



System Performance Check (835MHz)

Type: Validation measurement

Date of measurement: 03/15/2025

A. Experimental conditions.

E-Field Probe	SATIMO 3723-EPGO-433
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	835MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

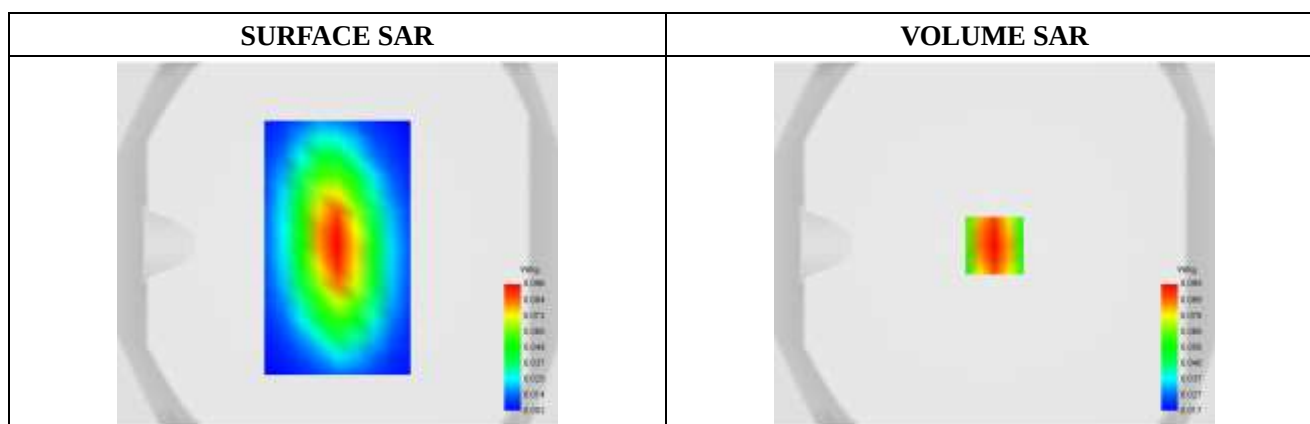
B. SAR Measurement Results

Frequency (MHz)	835
Relative permittivity (real part)	42.70
Conductivity (S/m)	0.92
Variation (%)	0.13

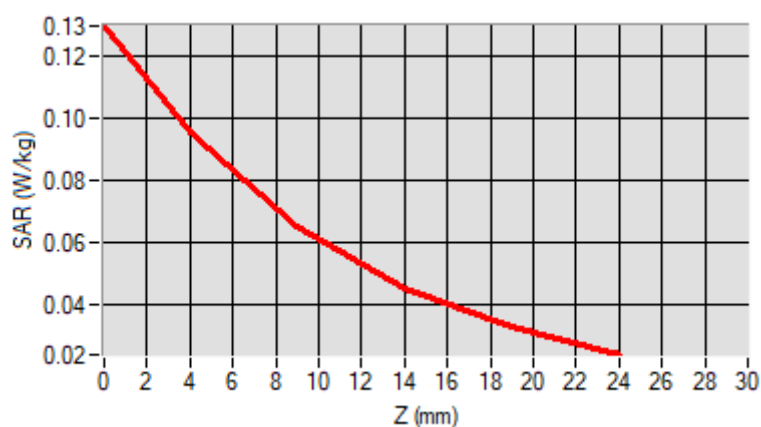
Maximum location: X=0.00, Y=-1.00

SAR Peak: 0.13 W/kg

SAR 10g (W/Kg)	0.059822
SAR 1g (W/Kg)	0.091515



Z Axis Scan



System Performance Check (1800MHz)

Type: Validation measurement

Date of measurement: 03/06/2025

A. Experimental conditions.

E-Field Probe	SATIMO 3723-EPGO-433
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	1800MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

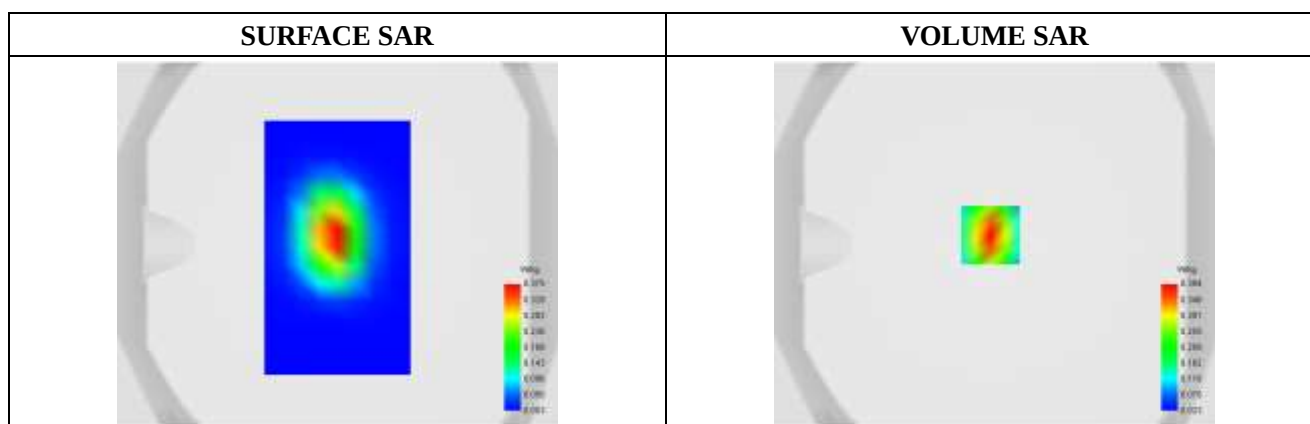
B. SAR Measurement Results

Frequency (MHz)	1800
Relative permittivity (real part)	40.30
Conductivity (S/m)	1.39
Variation (%)	-0.22

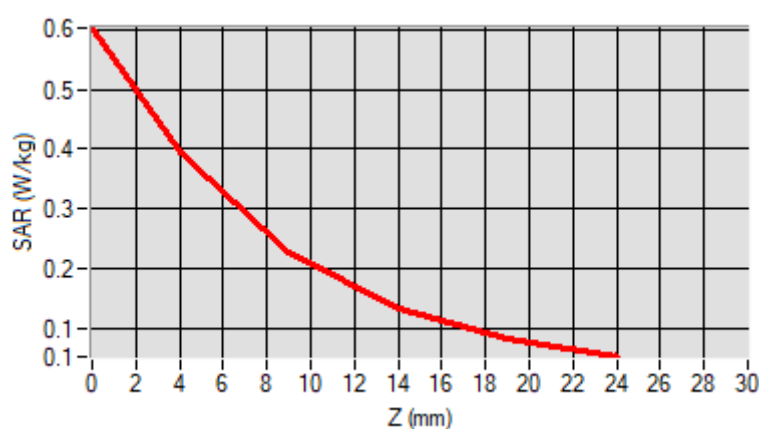
Maximum location: X=-2.00, Y=5.00

SAR Peak: 0.60 W/kg

SAR 10g (W/Kg)	0.194183
SAR 1g (W/Kg)	0.373953



Z Axis Scan



System Performance Check (1900MHz)

Type: Validation measurement

Date of measurement: 03/07/2025

A. Experimental conditions.

E-Field Probe	SATIMO 3723-EPGO-433
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	1900MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

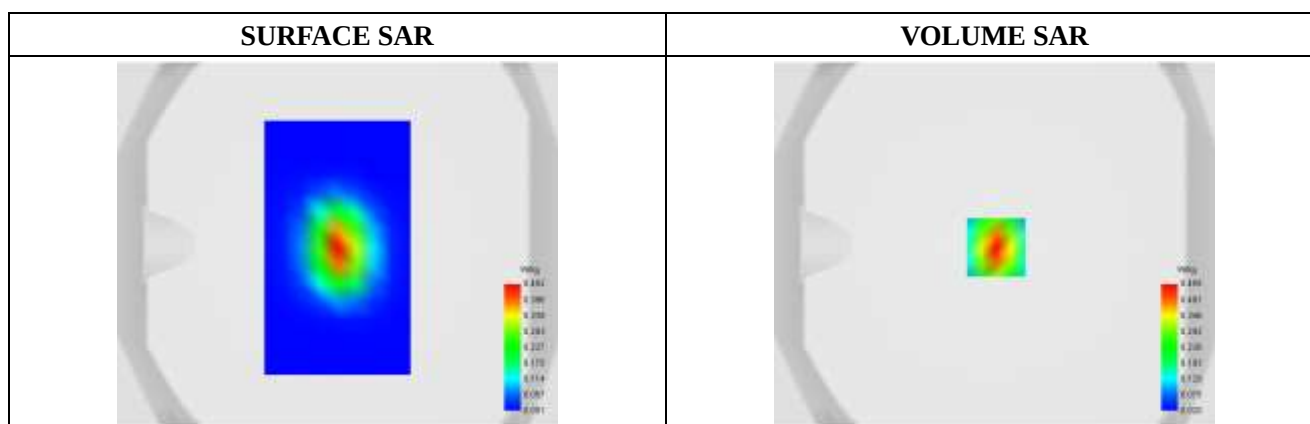
B. SAR Measurement Results

Frequency (MHz)	1900
Relative permittivity (real part)	39.70
Conductivity (S/m)	1.42
Variation (%)	0.05

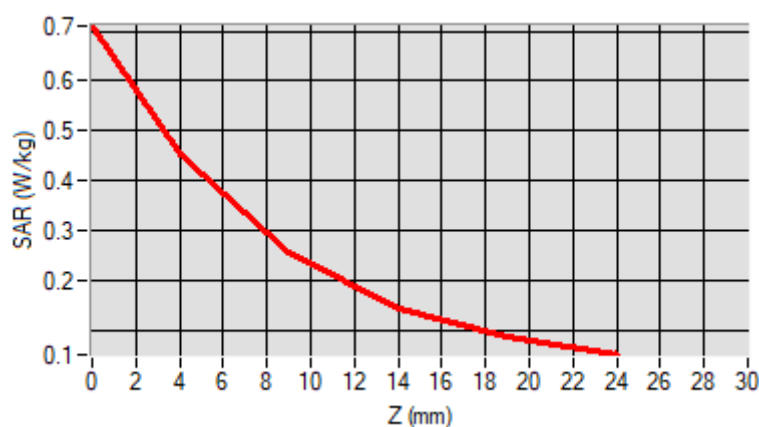
Maximum location: X=1.00, Y=-2.00

SAR Peak: 0.71 W/kg

SAR 10g (W/Kg)	0.219930
SAR 1g (W/Kg)	0.425887



Z Axis Scan



System Performance Check (2450MHz)

Type: Validation measurement

Date of measurement: 03/08/2025

A. Experimental conditions.

E-Field Probe	SATIMO 3723-EPGO-433
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x7, dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	2450MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

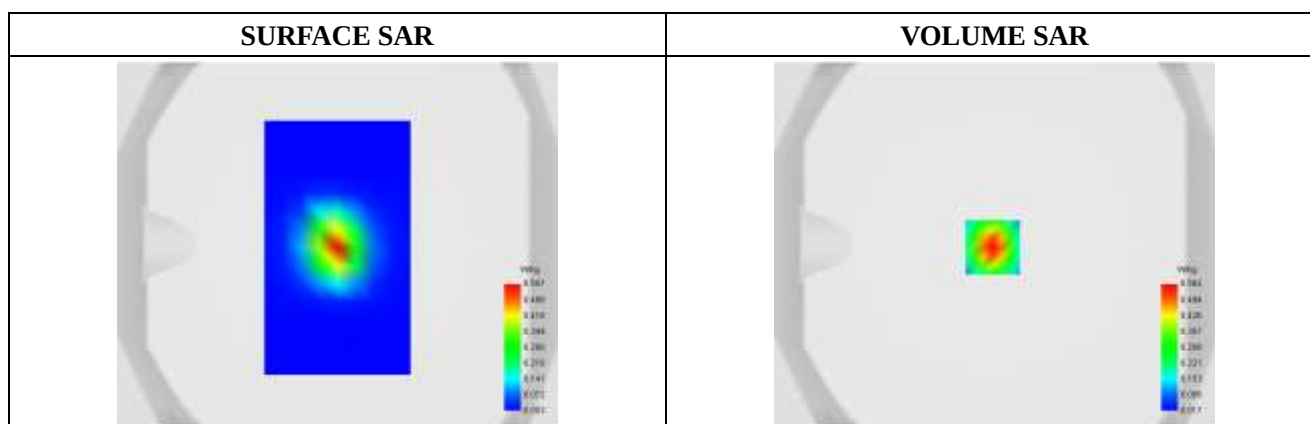
B. SAR Measurement Results

Frequency (MHz)	2450
Relative permittivity (real part)	38.95
Conductivity (S/m)	1.81
Variation (%)	0.20

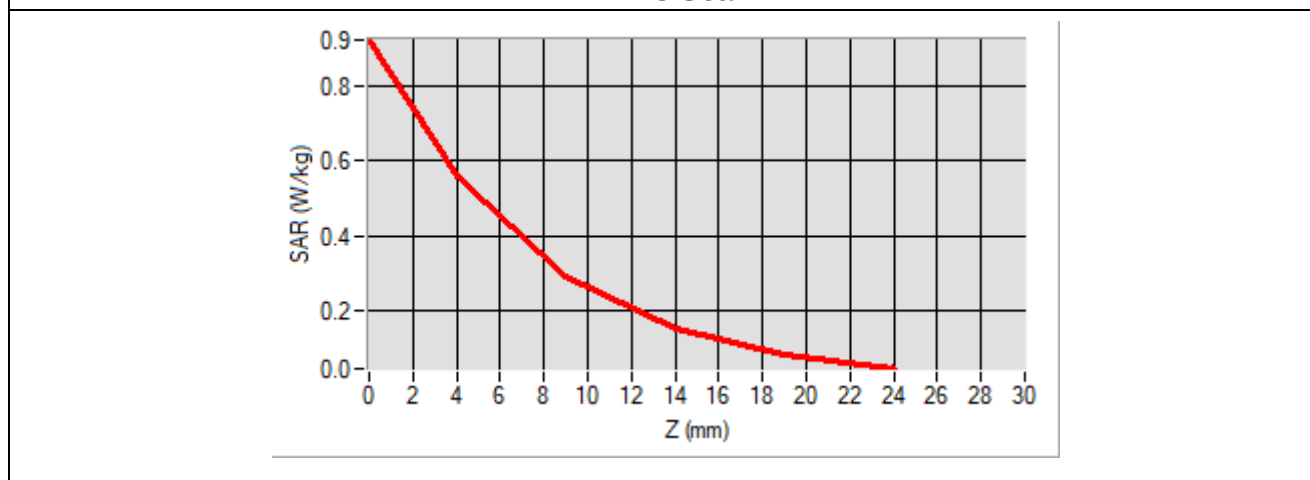
Maximum location: X=1.00, Y=-2.00

SAR Peak: 0.92 W/kg

SAR 10g (W/Kg)	0.244501
SAR 1g (W/Kg)	0.508316



Z Axis Scan



System Performance Check (2600MHz)

Type: Validation measurement

Date of measurement: 03/11/2025

A. Experimental conditions.

E-Field Probe	SATIMO 3723-EPGO-433
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	2600MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

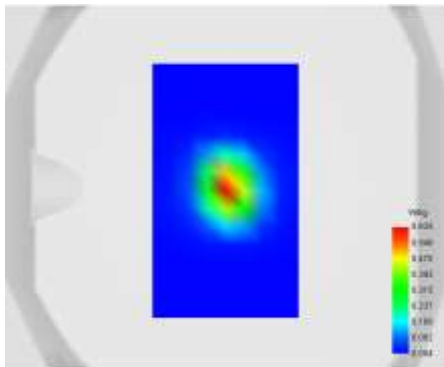
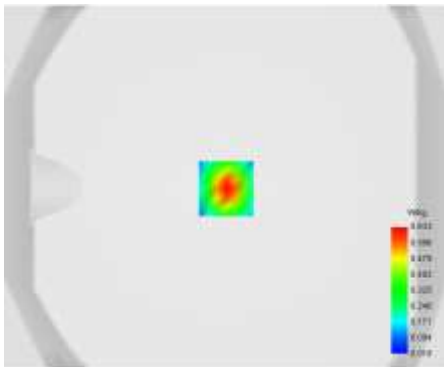
B. SAR Measurement Results

Frequency (MHz)	2600
Relative permittivity (real part)	39.41
Conductivity (S/m)	1.94
Variation (%)	0.79

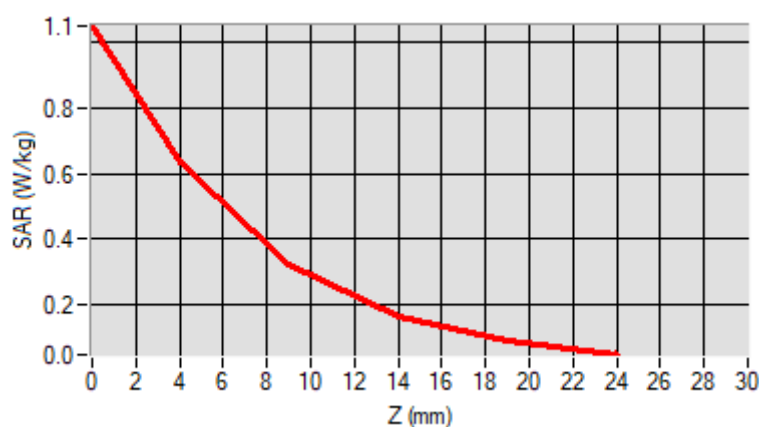
Maximum location: X=1.00, Y=0.00

SAR Peak: 1.06 W/kg

SAR 10g (W/Kg)	0.270433
SAR 1g (W/Kg)	0.581407

SURFACE SAR	VOLUME SAR
	

Z Axis Scan



System Performance Check (5200MHz)

Type: Validation measurement

Date of measurement: 03/01/2025

A. Experimental conditions.

E-Field Probe	SATIMO 3723-EPGO-433
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Dipole
Band	5200MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

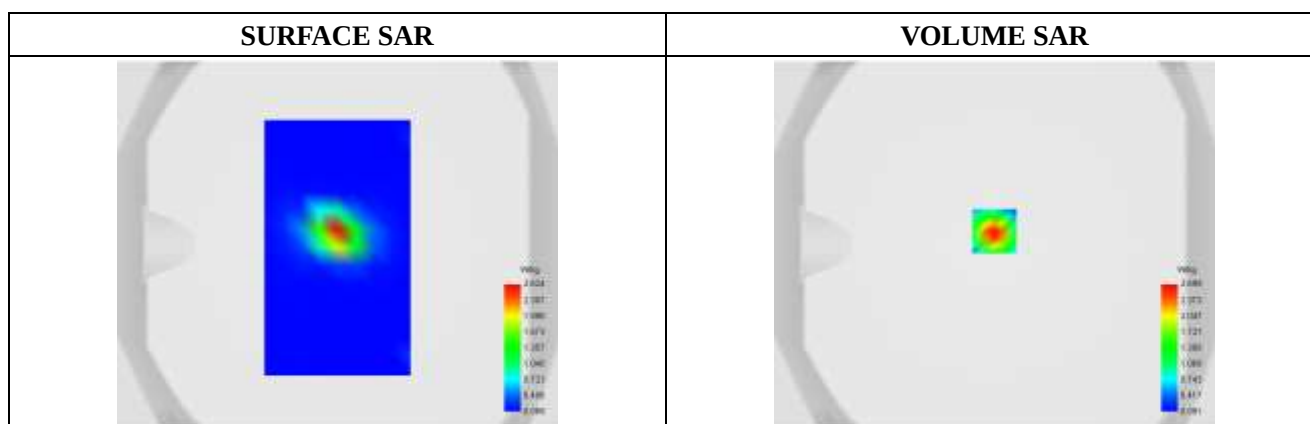
B. SAR Measurement Results

Frequency (MHz)	5200
Relative permittivity (real part)	36.65
Conductivity (S/m)	4.69
Variation (%)	0.16

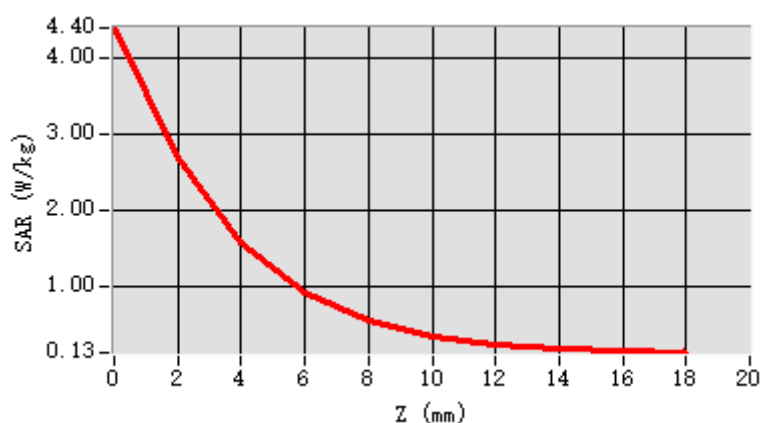
Maximum location: X=0.00, Y=7.00

SAR Peak: 4.40 W/kg

SAR 10g (W/Kg)	0.557460
SAR 1g (W/Kg)	1.520736



Z Axis Scan



System Performance Check (5800MHz)

Type: Validation measurement

Date of measurement: 03/02/2025

A. Experimental conditions.

E-Field Probe	SATIMO 3723-EPGO-433
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Dipole
Band	5800MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

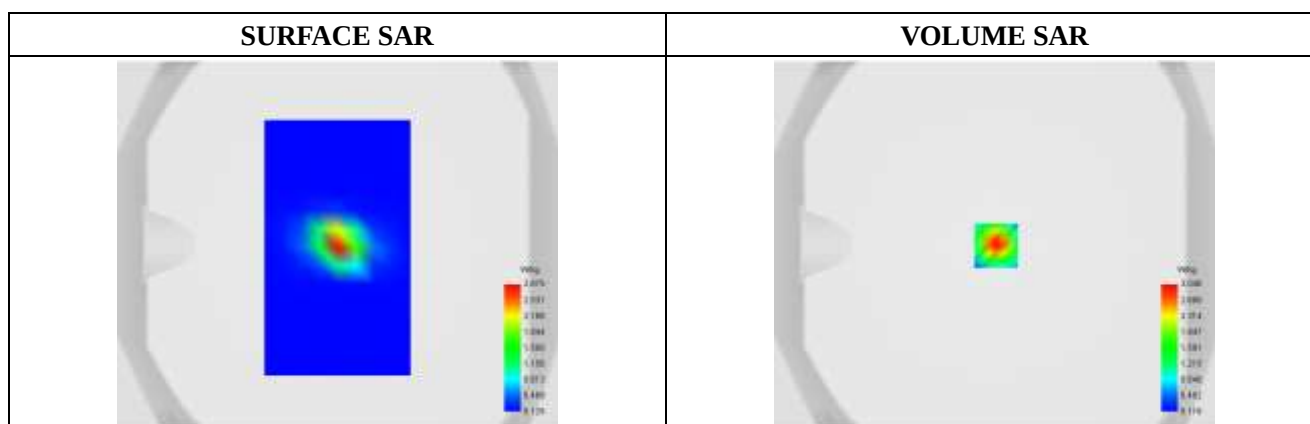
B. SAR Measurement Results

Frequency (MHz)	5800
Relative permittivity (real part)	35.74
Conductivity (S/m)	5.19
Variation (%)	0.21

Maximum location: X=1.00, Y=-1.00

SAR Peak: 5.22 W/kg

SAR 10g (W/Kg)	0.596127
SAR 1g (W/Kg)	1.668331



Z Axis Scan

