



Appendix A: SAR System performance Check Plots

Measurement	Liquid	Frequency	Test Date
System Check	Head	750	2023/07/30
System Check	Head	1800	2023/08/02
System Check	Head	1900	2023/07/29

System Performance Check (750MHz)

Type: Validation measurement

Date of measurement: 07/30/2023

A. Experimental conditions.

E-Field Probe	SATIMO 0523-EPGO-403
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)

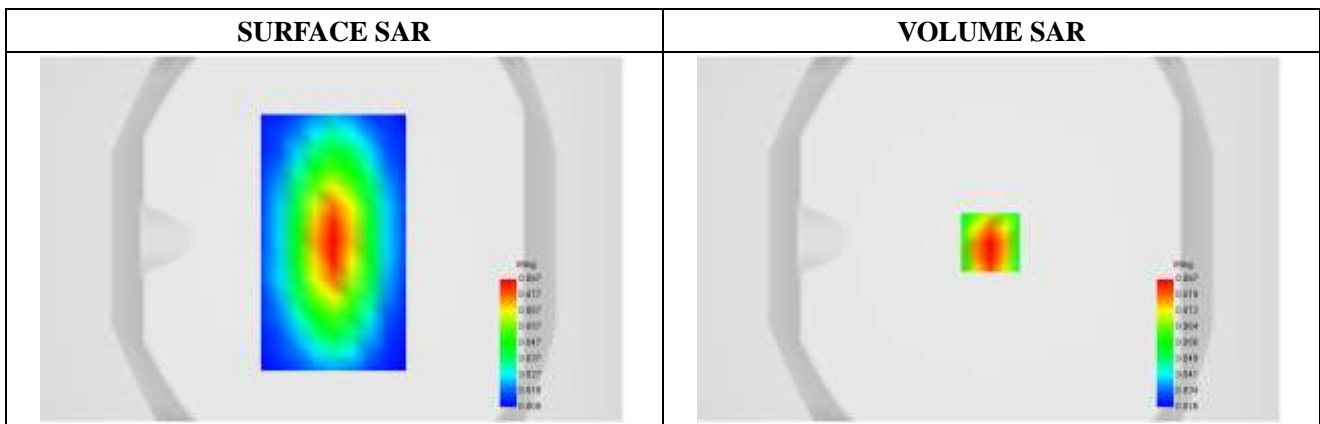
B. SAR Measurement Results

Frequency (MHz)	750
Relative permittivity (real part)	41.74
Conductivity (S/m)	0.88
Variation (%)	0.10

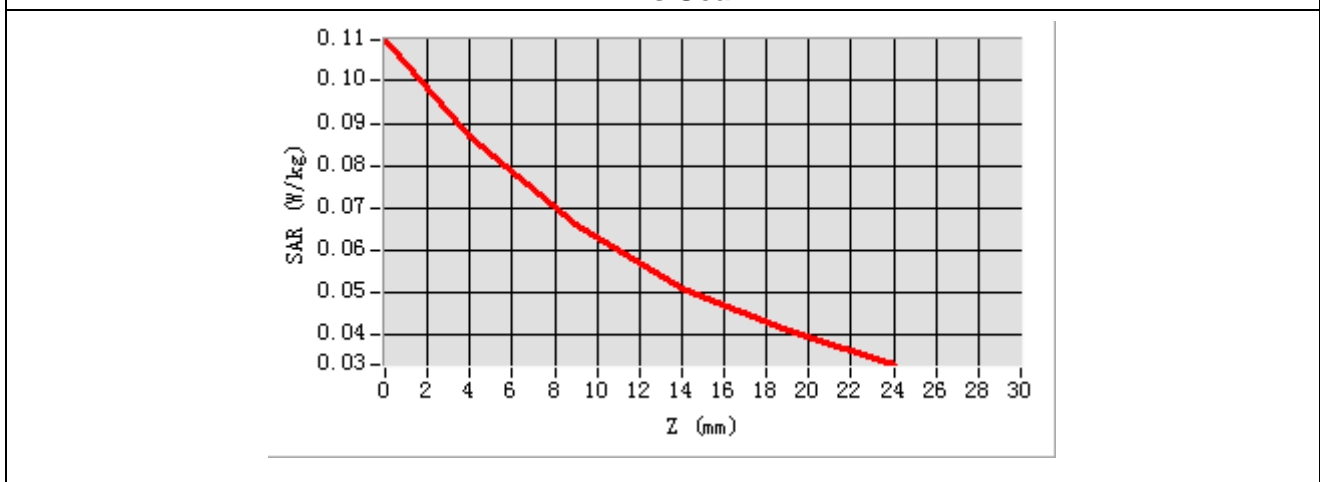
Maximum location: X=0.00, Y=2.00

SAR Peak: 0.11 W/kg

SAR 10g (W/Kg)	0.060411
SAR 1g (W/Kg)	0.088315



Z Axis Scan



System Performance Check (1800MHz)

Type: Validation measurement

Date of measurement: 08/02/2023

A. Experimental conditions.

E-Field Probe	SATIMO 0523-EPGO-403
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)

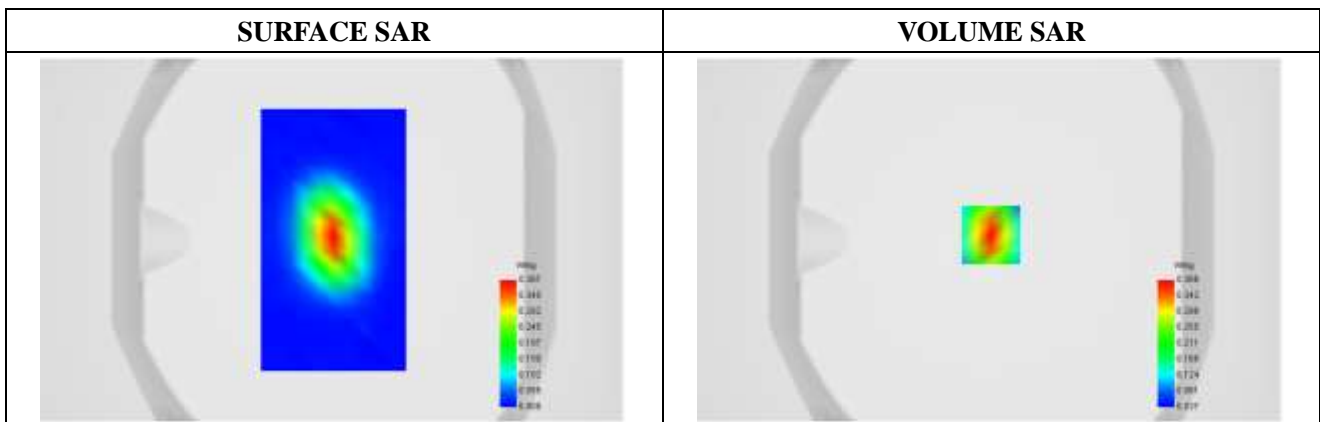
B. SAR Measurement Results

Frequency (MHz)	1800
Relative permittivity (real part)	40.34
Conductivity (S/m)	1.40
Variation (%)	-0.09

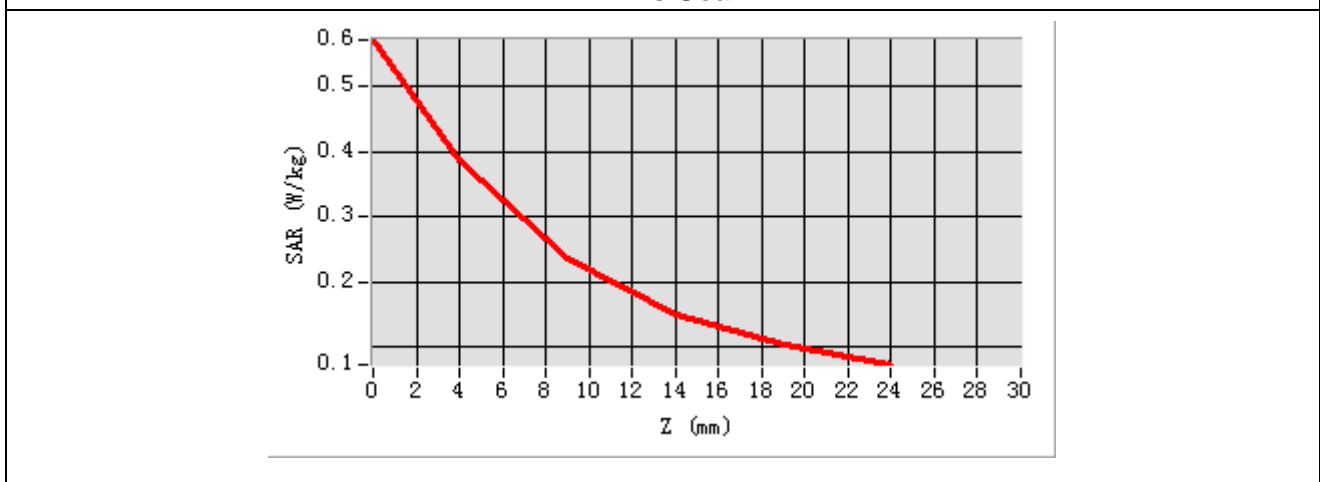
Maximum location: X=0.00, Y=3.00

SAR Peak: 0.59 W/kg

SAR 10g (W/Kg)	0.199521
SAR 1g (W/Kg)	0.369184



Z Axis Scan



System Performance Check (1900MHz)

Type: Validation measurement

Date of measurement: 07/29/2023

A. Experimental conditions.

E-Field Probe	SATIMO 0523-EPGO-403
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)

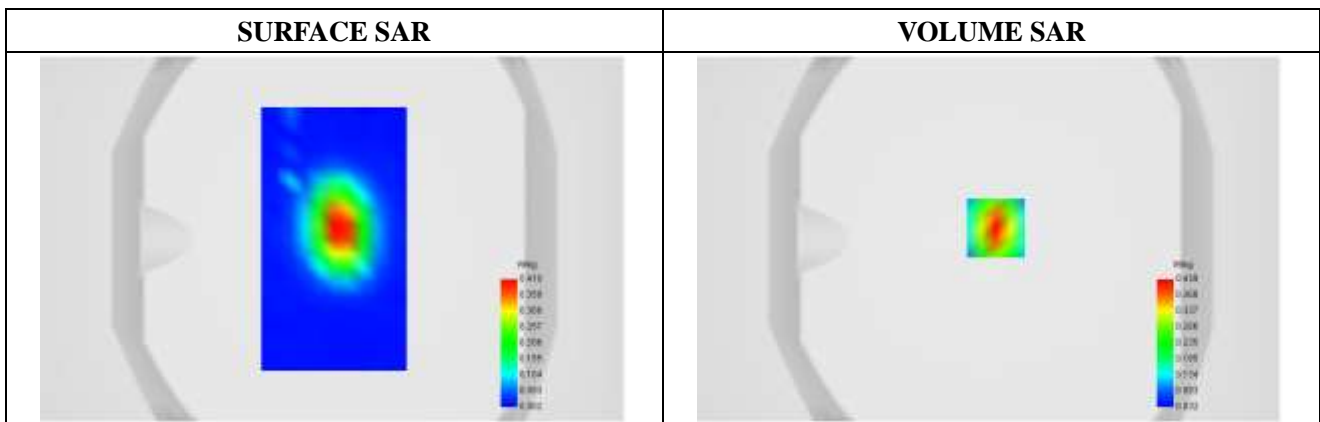
B. SAR Measurement Results

Frequency (MHz)	1900
Relative permittivity (real part)	38.91
Conductivity (S/m)	1.42
Variation (%)	-0.15

Maximum location: X=3.00, Y=5.00

SAR Peak: 0.70 W/kg

SAR 10g (W/Kg)	0.224011
SAR 1g (W/Kg)	0.428136



Z Axis Scan

