



Appendix A: SAR System performance Check Plots

Measurement	Liquid	Frequency	Test Date
System Check	Head	2450	2022/07/12
System Check	Head	2450	2024/04/25

System Performance Check (2450MHz)

Type: Validation measurement

Date of measurement: 07/12/2022

A. Experimental conditions.

E-Field Probe	SATIMO SN 41/18 EPGO330
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)

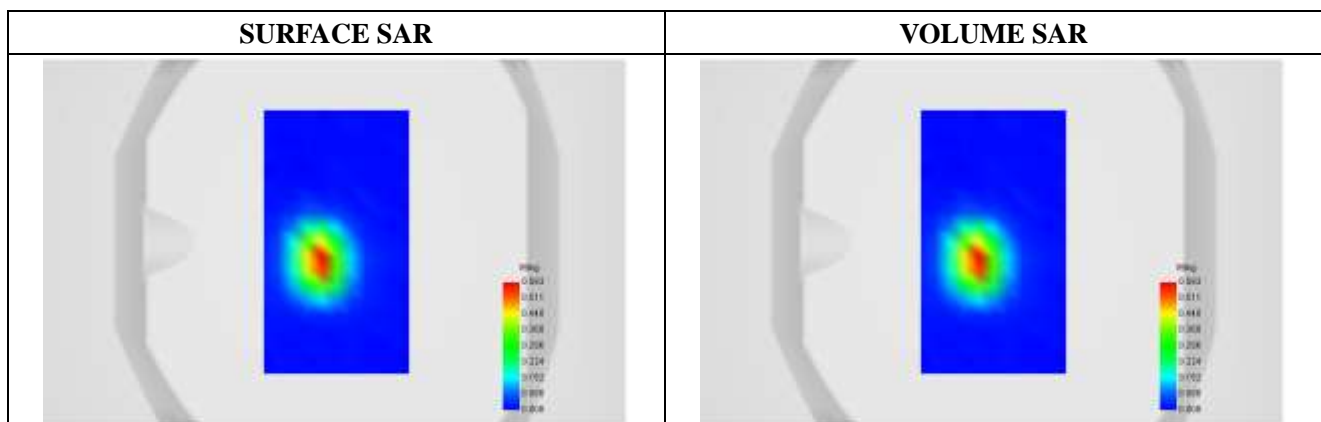
B. SAR Measurement Results

Frequency (MHz)	2450
Relative permittivity (real part)	38.91
Conductivity (S/m)	1.82
Variation (%)	-0.14

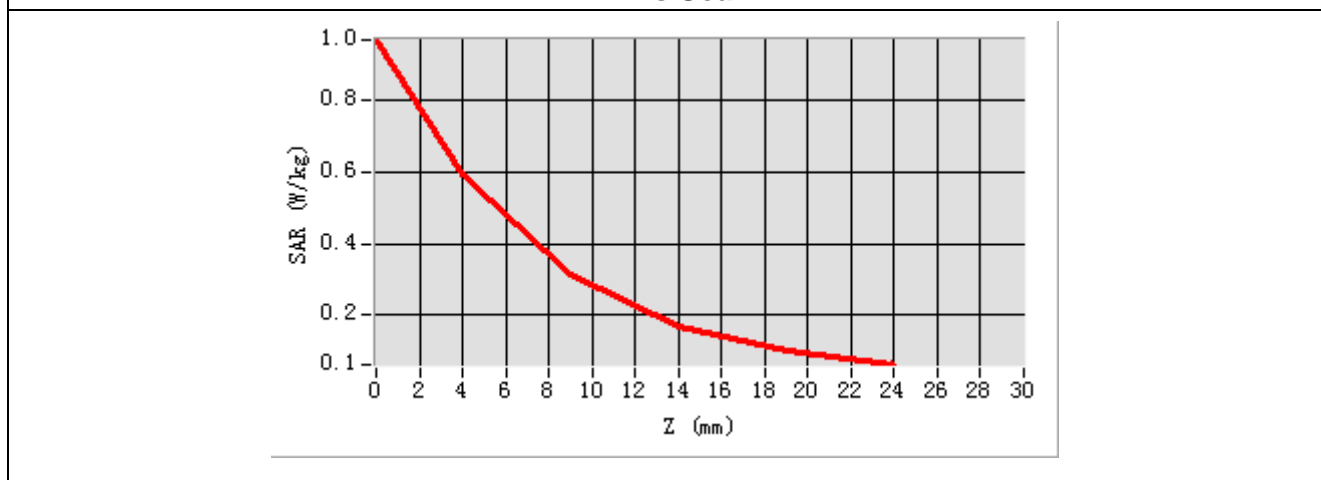
Maximum location: X=-9.00, Y=-9.00

SAR Peak: 1.01 W/kg

SAR 10g (W/Kg)	0.256584
SAR 1g (W/Kg)	0.550985



Z Axis Scan



System Performance Check (2450MHz)

Type: Validation measurement

Date of measurement: 04/25/2024

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)

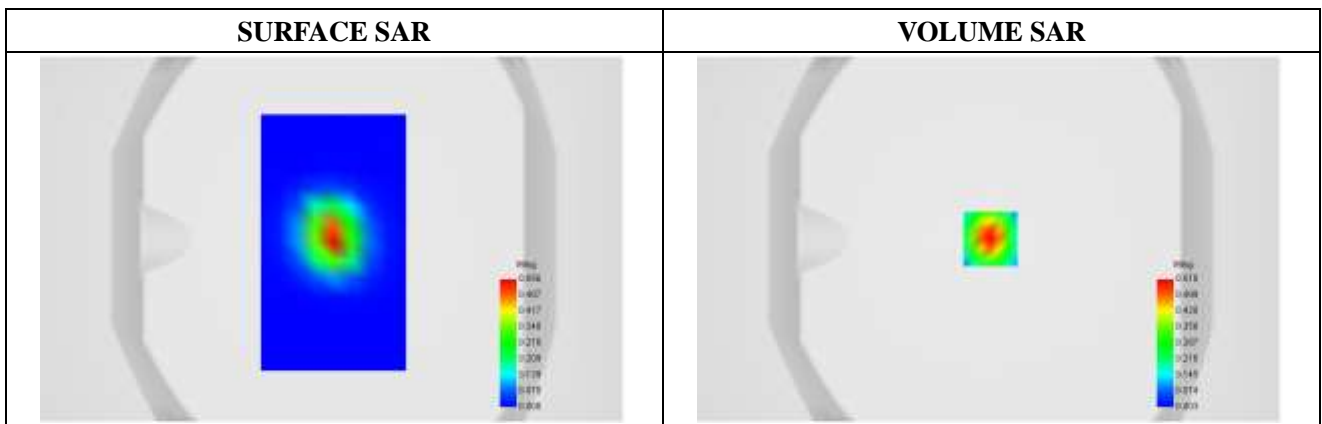
B. SAR Measurement Results

Frequency (MHz)	2450
Relative permittivity (real part)	38.05
Conductivity (S/m)	1.83
Variation (%)	0.09

Maximum location: X=0.00, Y=0.00

SAR Peak: 1.02 W/kg

SAR 10g (W/Kg)	0.235183
SAR 1g (W/Kg)	0.531764



Z Axis Scan

