



Appendix A: SAR System performance Check Plots

Measurement	Liquid	Frequency	Test Date
System Check	Body	750	2021-09-09
System Check	Body	835	2021-09-10
System Check	Body	1800	2021-09-13
System Check	Body	1900	2021-09-20
System Check	Body	2450	2021-09-15

System Performance Check (Body, 750MHz)

Type: Phone measurement

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 09/09/2021

Measurement duration: 22 minutes 08 seconds

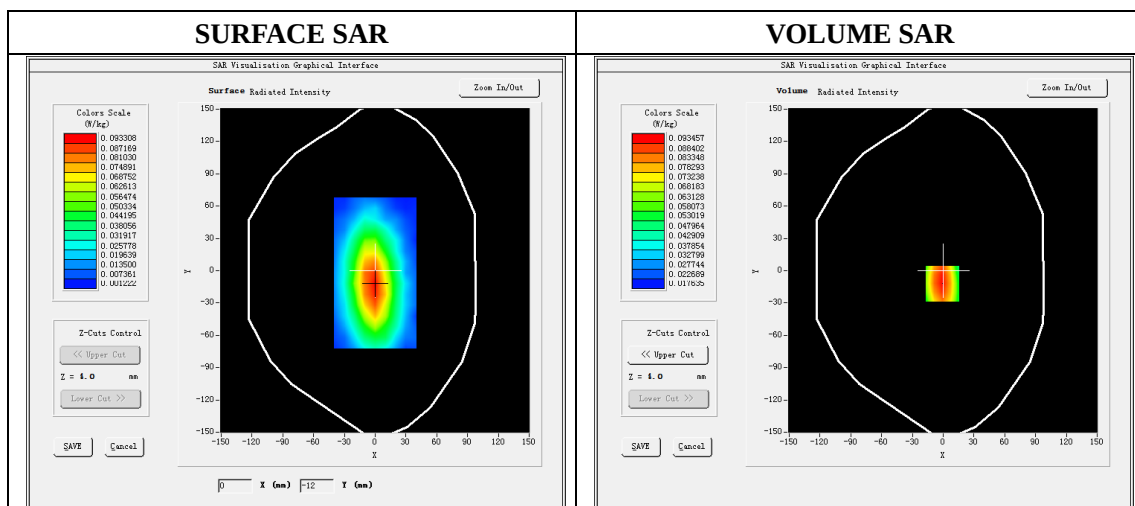
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	750MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

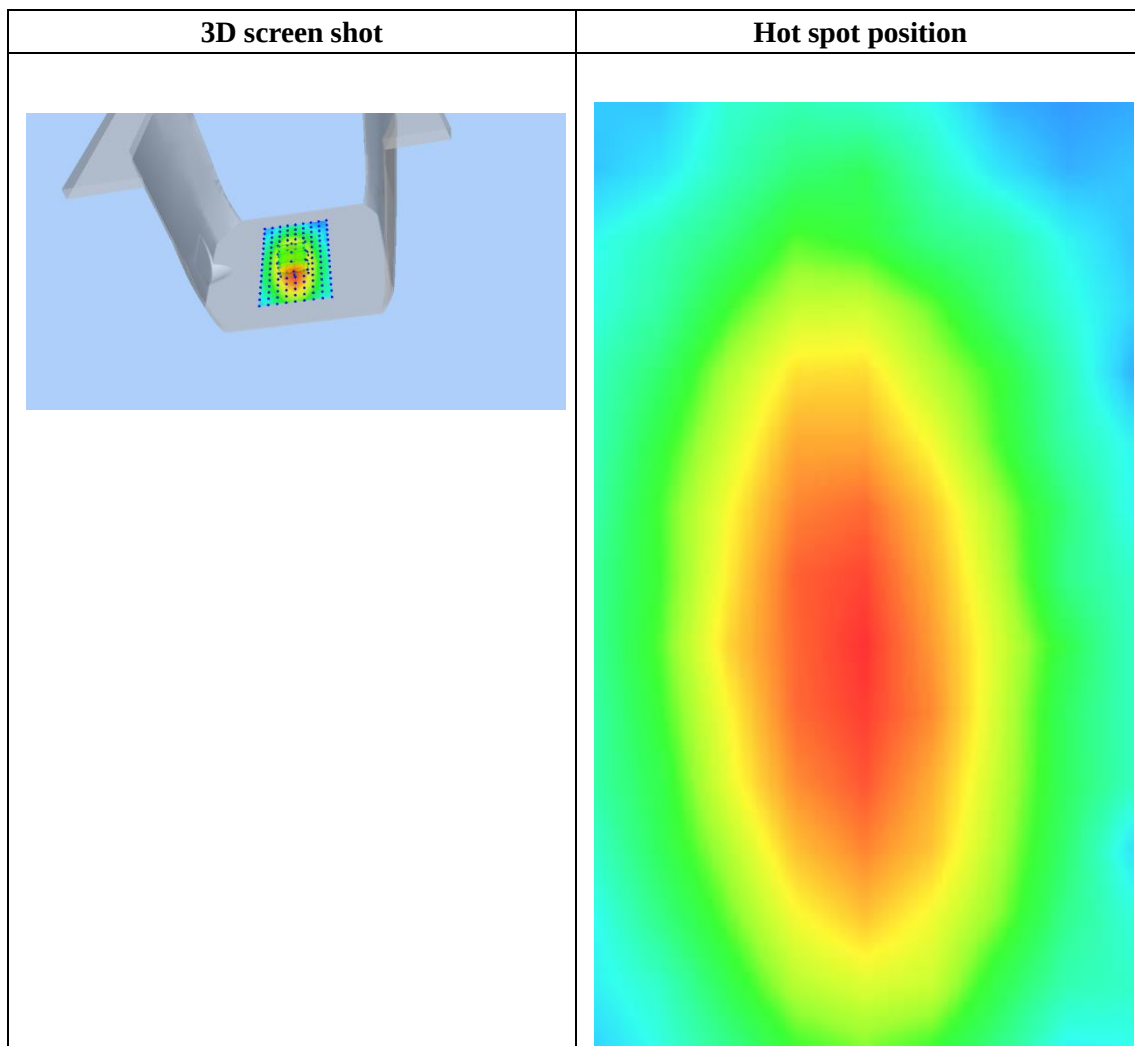
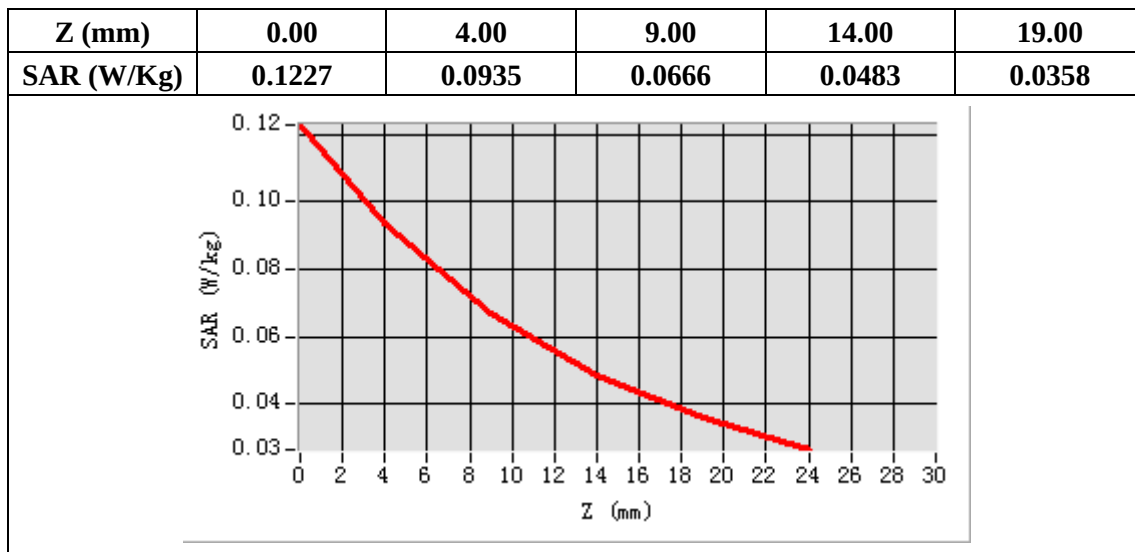
E-Field Probe	SATIMO SN 36/20 EPGO 348
Frequency (MHz)	750
Relative permittivity (real part)	55.53
Relative permittivity	23.28
Conductivity (S/m)	0.97
Power drift (%)	-1.61
Ambient Temperature:	22.2 °C
Liquid Temperature:	22.6 °C
ConvF:	1.85
Crest factor:	1:1



Maximum location: X=-1.00, Y=-12.00

SAR Peak: 0.12 W/kg

SAR 10g (W/Kg)	0.060696
SAR 1g (W/Kg)	0.089625



System Performance Check (Body, 835MHz)

Type: Phone measurement

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 09/10/2021

Measurement duration: 22 minutes 05 seconds

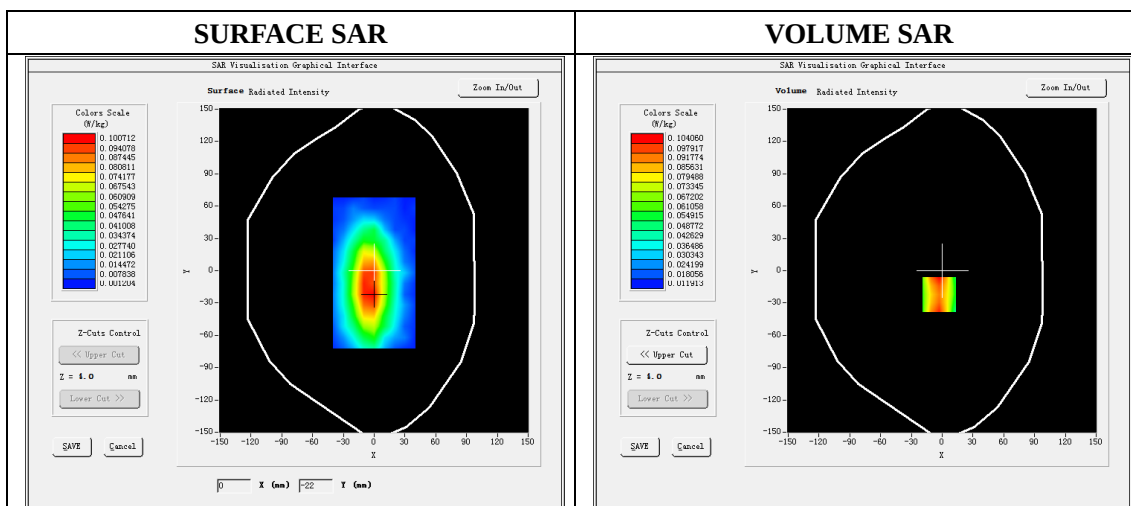
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	835MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

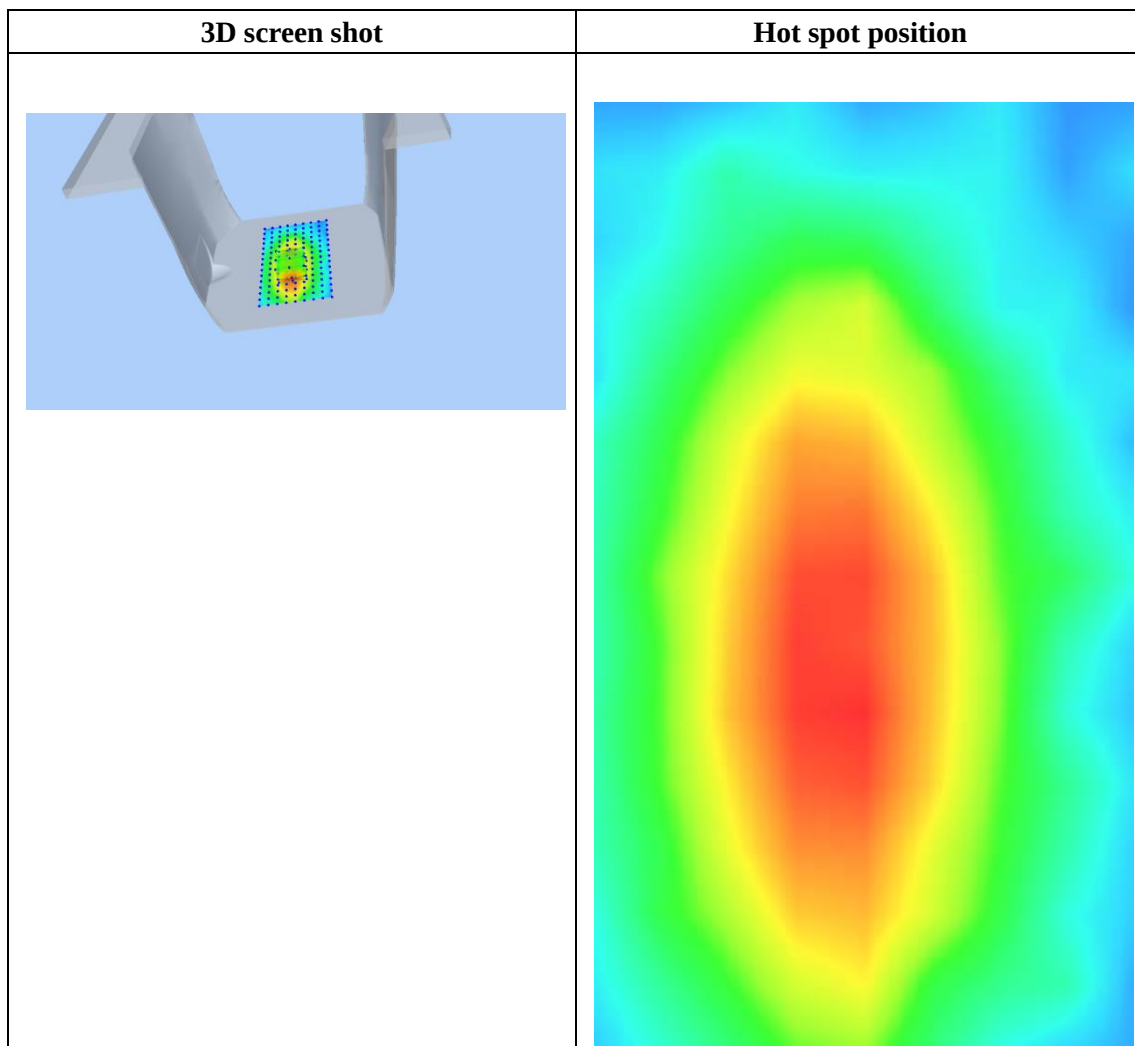
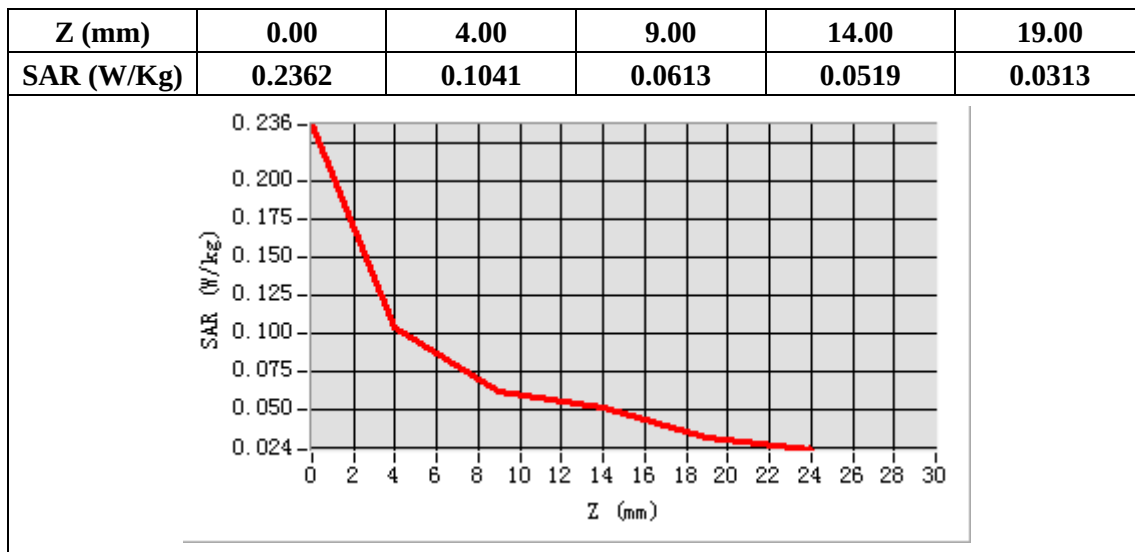
E-Field Probe	SATIMO SN 36/20 EPGO 348
Frequency (MHz)	835
Relative permittivity (real part)	55.18
Relative permittivity	20.69
Conductivity (S/m)	0.96
Power drift (%)	-1.49
Ambient Temperature:	22.2 °C
Liquid Temperature:	22.6 °C
ConvF:	1.93
Crest factor:	1:1



Maximum location: X=-3.00, Y=-22.00

SAR Peak: 0.15 W/kg

SAR 10g (W/Kg)	0.064771
SAR 1g (W/Kg)	0.098324



System Performance Check (Body, 1800MHz)

Type: Validation measurement

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 09/13/2021

Measurement duration: 22 minutes 06 seconds

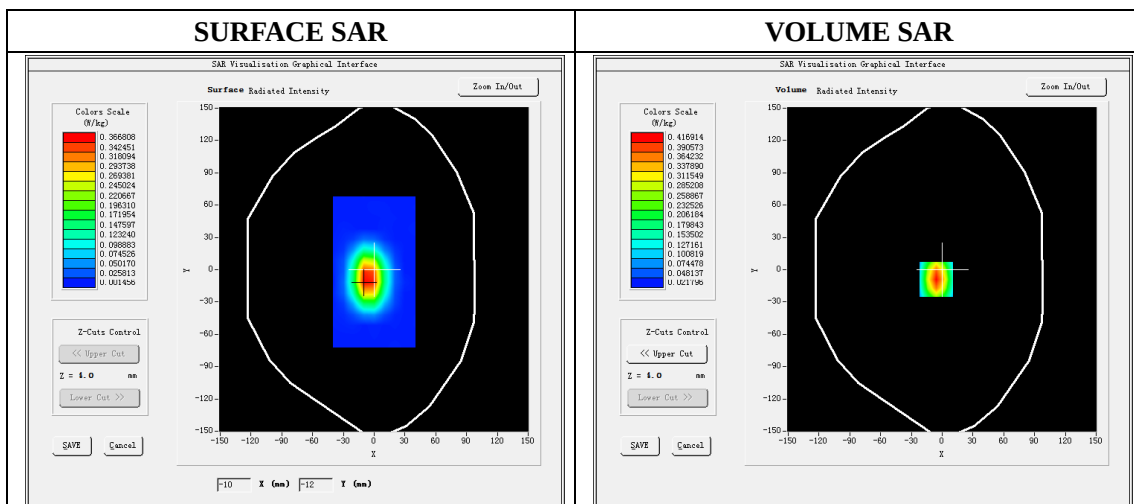
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	1800MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

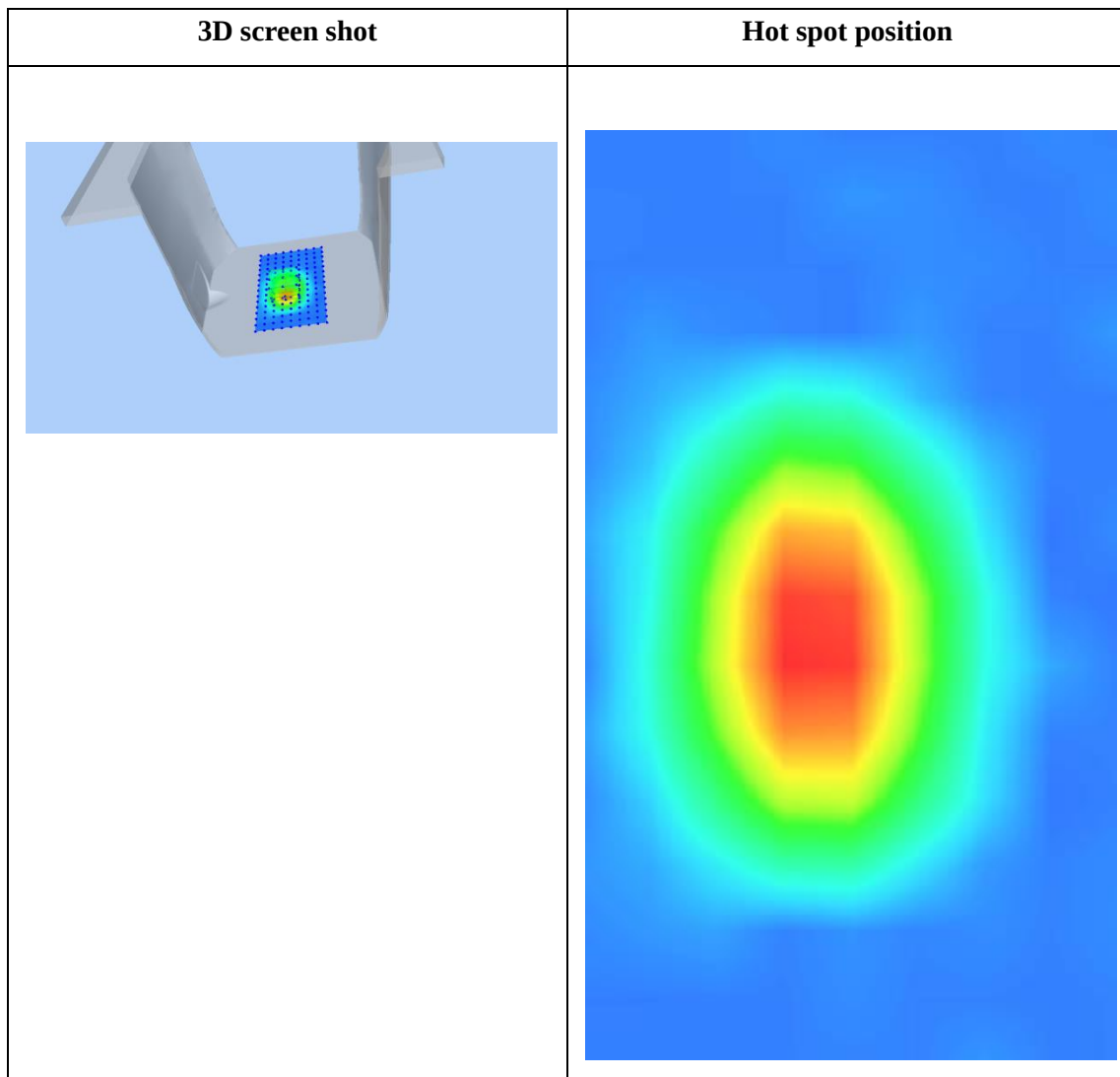
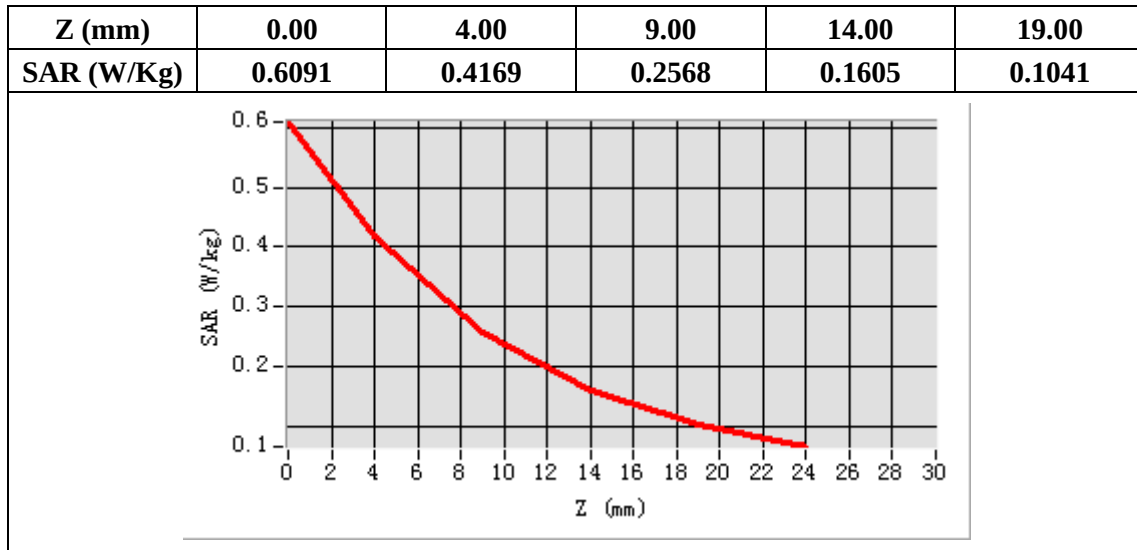
E-Field Probe	SATIMO SN 36/20 EPGO 348
Frequency (MHz)	1800
Relative permittivity (real part)	53.27
Relative permittivity	15.10
Conductivity (S/m)	1.51
Power Drift (%)	-2.08
Ambient Temperature:	22.1 °C
Liquid Temperature:	22.6 °C
ConvF:	2.22
Duty factor:	1:1



Maximum location: X=-6.00, Y=-9.00

SAR Peak: 0.61 W/kg

SAR 10g (W/Kg)	0.213722
SAR 1g (W/Kg)	0.383968



System Performance Check (Body, 1900MHz)

Type: Validation measurement

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 09/20/2021

Measurement duration: 22 minutes 09 seconds

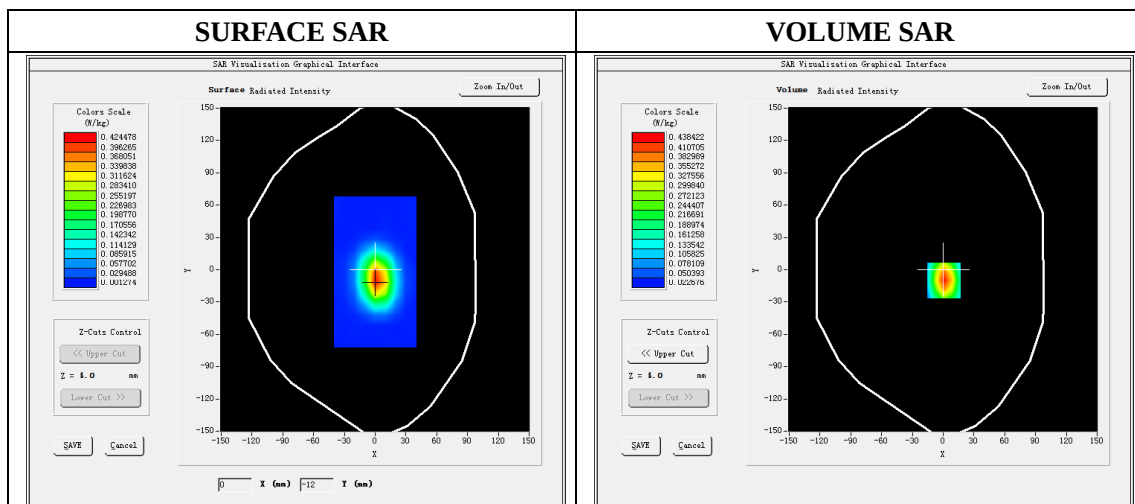
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	1900MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

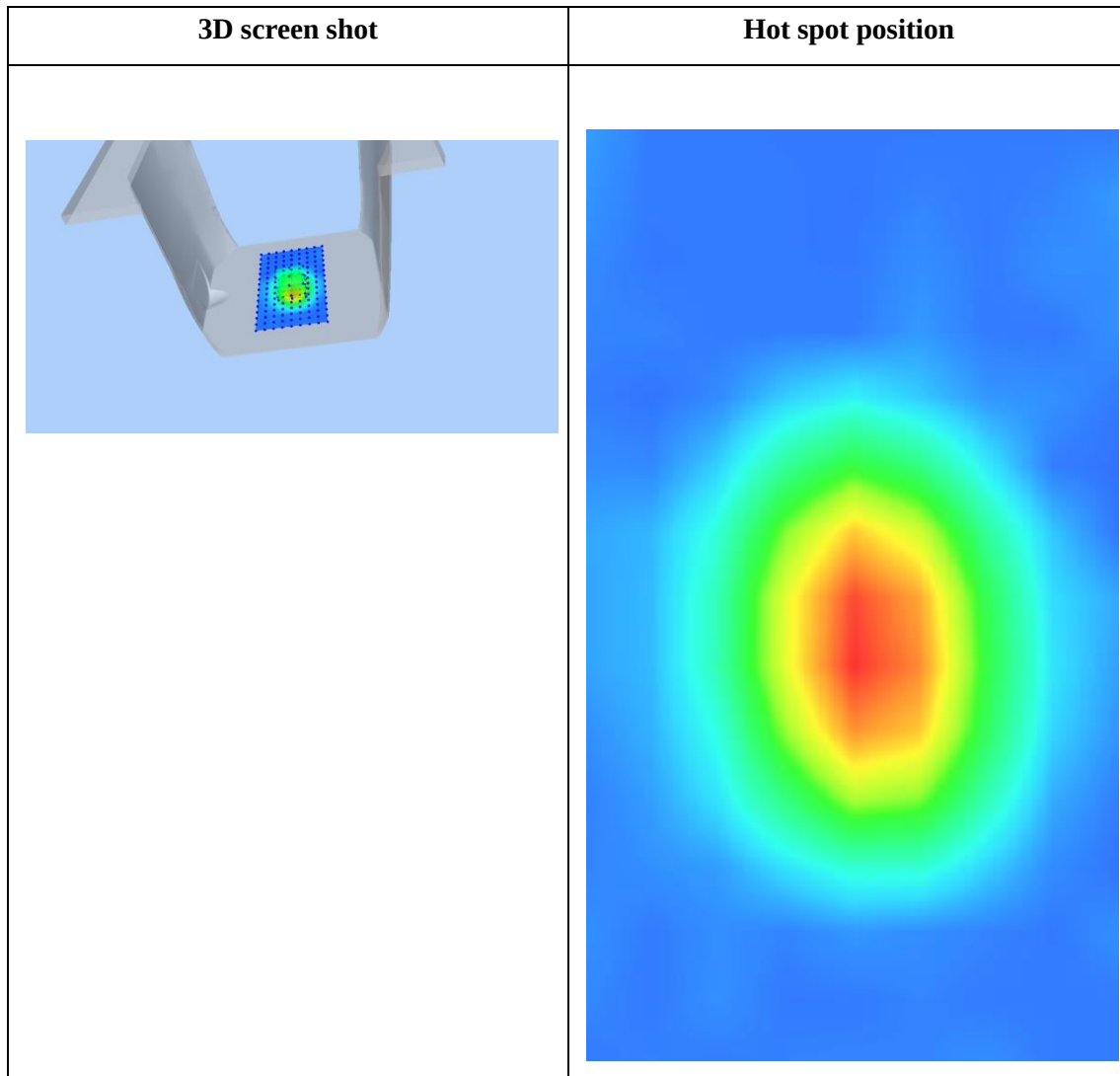
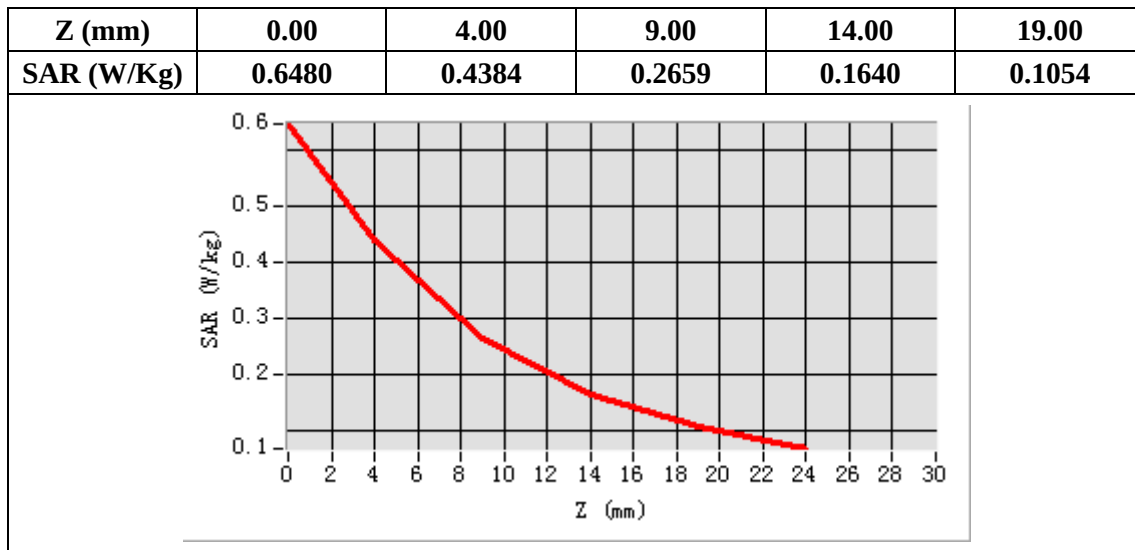
E-Field Probe	SATIMO SN 36/20 EPGO 348
Frequency (MHz)	1900
Relative permittivity (real part)	53.25
Relative permittivity	14.21
Conductivity (S/m)	1.50
Power Drift (%)	-3.65
Ambient Temperature:	22.1 °C
Liquid Temperature:	22.6 °C
ConvF:	2.40
Duty factor:	1:1



Maximum location: X=1.00, Y=-10.00

SAR Peak: 0.65 W/kg

SAR 10g (W/Kg)	0.221424
SAR 1g (W/Kg)	0.403576



System Performance Check (Body, 2450MHz)

Type: Phone measurement

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 09/15/2021

Measurement duration: 22 minutes 03 seconds

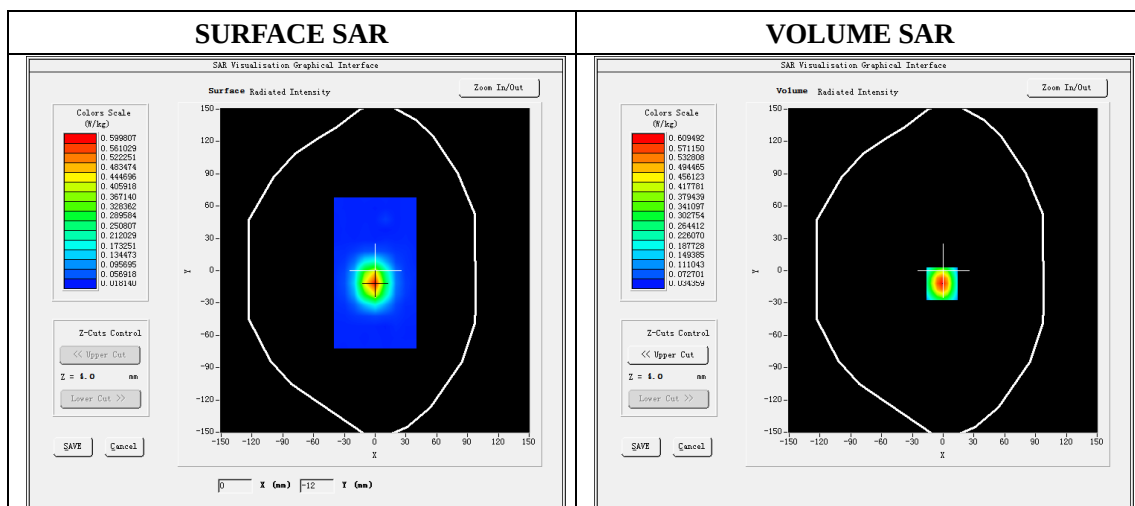
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=5mm dy=5mm dz=4mm
Device Position	Dipole
Band	2450MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN 36/20 EPGO 348
Frequency (MHz)	2450
Relative permittivity (real part)	52.75
Relative permittivity	14.55
Conductivity (S/m)	1.98
Power Drift (%)	-0.10
Ambient Temperature:	22.1 °C
Liquid Temperature:	22.6 °C
ConvF:	2.40
Duty factor:	1:1



Maximum location: X=-1.00, Y=-12.00

SAR Peak: 1.03 W/kg

SAR 10g (W/Kg)	0.271121
SAR 1g (W/Kg)	0.553243

