



## Appendix A: SAR System performance Check Plots

Measurement	Liquid	Frequency	Test Date
System Check	Body	2450	2020-08-24

## 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: 08/24/2020

Measurement duration: 22 minutes 04 seconds

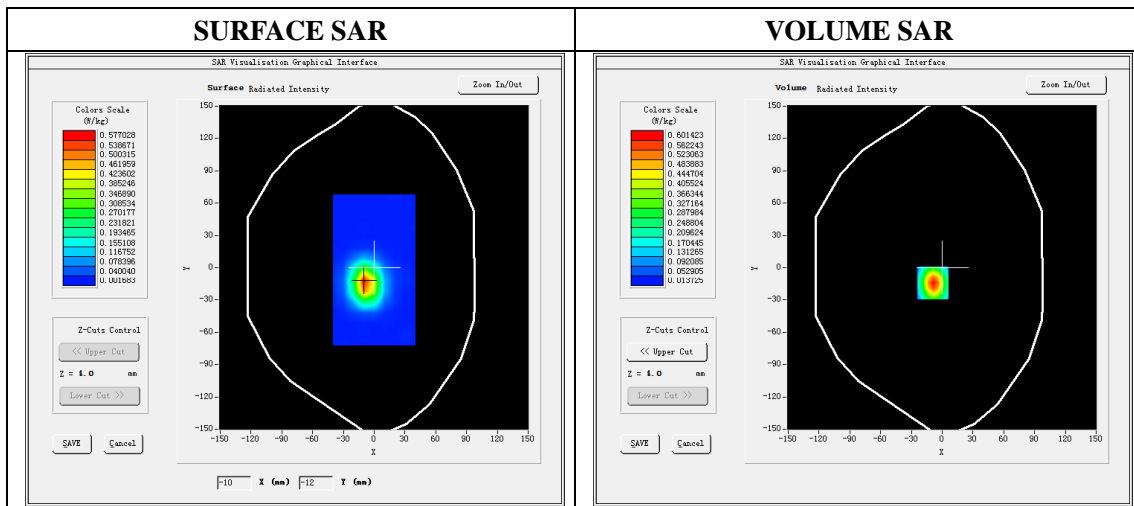
### A. Experimental conditions.

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

### B. SAR Measurement Results

#### Band SAR

<b>E-Field Probe</b>	SATIMO SN_27/15_EPG0261
<b>Frequency (MHz)</b>	2450
<b>Relative permittivity (real part)</b>	52.72
<b>Relative permittivity</b>	14.47
<b>Conductivity (S/m)</b>	1.97
<b>Power Drift (%)</b>	-0.69
<b>Ambient Temperature:</b>	22.1°C
<b>Liquid Temperature:</b>	22.6°C
<b>ConvF:</b>	2.47
<b>Duty factor:</b>	1:1



**Maximum location: X=-9.00, Y=-14.00**

**SAR Peak: 1.01 W/kg**

<b>SAR 10g (W/Kg)</b>	0.252599
<b>SAR 1g (W/Kg)</b>	0.542181

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	1.0146	0.6014	0.3460	0.1978	0.1148

