



## Appendix A: SAR System performance Check Plots

| Measurement  | Liquid | Frequency | Test Date  |
|--------------|--------|-----------|------------|
| System Check | Body   | 2450      | 2020-12-01 |

## 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: 12/01/2020

Measurement duration: 22 minutes 04 seconds

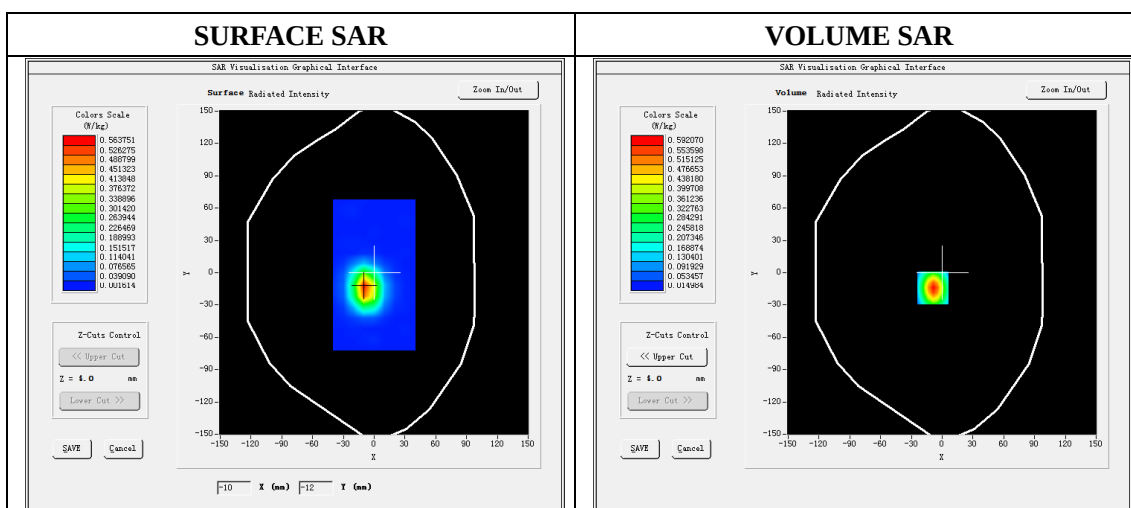
### A. Experimental conditions.

|                 |                            |
|-----------------|----------------------------|
| 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_27/15_EPG0261 |
| Frequency (MHz)                   | 2450                    |
| Relative permittivity (real part) | 52.72                   |
| Relative permittivity             | 14.40                   |
| Conductivity (S/m)                | 1.96                    |
| Power Drift (%)                   | -1.04                   |
| Ambient Temperature:              | 22.1°C                  |
| Liquid Temperature:               | 22.6°C                  |
| ConvF:                            | 2.47                    |
| Duty factor:                      | 1:1                     |



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

SAR Peak: 0.99 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.250332 |
| SAR 1g (W/Kg)  | 0.533450 |

