



## Appendix A: SAR System performance Check Plots

| <b>Measurement</b> | <b>Liquid</b> | <b>Frequency</b> | <b>Test Date</b> |
|--------------------|---------------|------------------|------------------|
| System Check       | Head          | 2450             | 2022-03-15       |

## System Performance Check (2450MHz)

Type: Validation measurement

Date of measurement: 03/15/2022

### A. Experimental conditions.

|                        |                            |
|------------------------|----------------------------|
| <b>E-Field Probe</b>   | SATIMO SN 39/21 EPGO360    |
| <b>Area Scan</b>       | dx=8mm dy=8mm              |
| <b>ZoomScan</b>        | 7x7x7,dx=5mm dy=5mm dz=5mm |
| <b>Phantom</b>         | Validation plane           |
| <b>Device Position</b> | Dipole                     |
| <b>Band</b>            | 2450MHz                    |
| <b>Channels</b>        | Middle                     |
| <b>Signal</b>          | CW(Crest factor: 1.0)      |

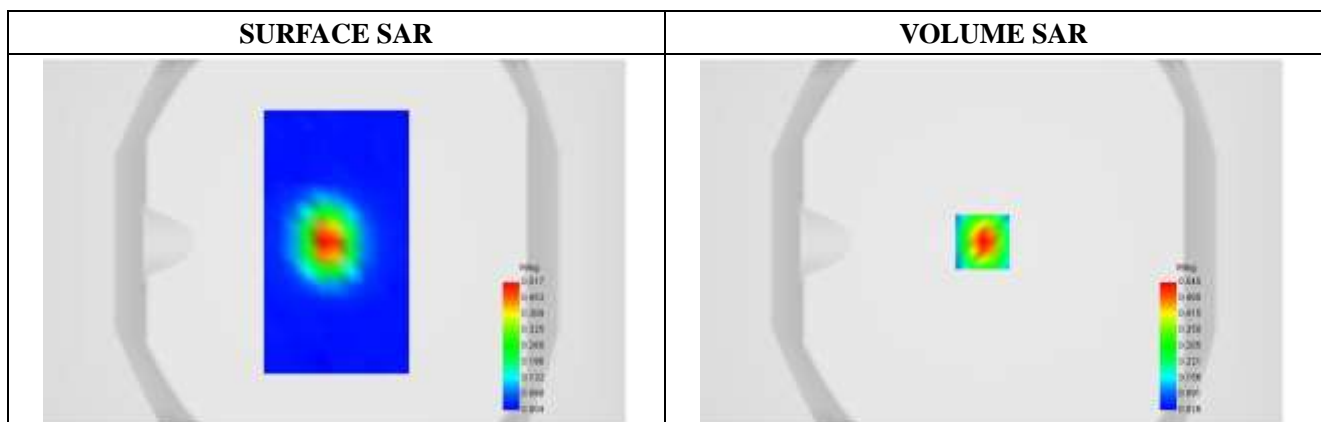
### B. SAR Measurement Results

|  |       |
|--|-------|
| <b>Frequency (MHz)</b>                   | 2450  |
| <b>Relative permittivity (real part)</b> | 39.67 |
| <b>Conductivity (S/m)</b>                | 1.75  |
| <b>Variation (%)</b>                     | 1.15  |

**Maximum location: X=1.00, Y=8.00**

**SAR Peak:0.88 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.235545 |
| <b>SAR 1g (W/Kg)</b>  | 0.501314 |



**Z Axis Scan**

