



## Appendix B: SAR Measurement results Plots

<b>Plot</b>	<b>Frequency/Mode</b>	<b>Testing Position and Channel</b>	<b>Test Date</b>
1	WIFI 2.4G 802.11b	Right Side, Middle ,5mm	2020/12/16

**Plot 1: Wi-Fi 802.11b, Right Side ,Middle, 5mm**

Type: Phone measurement

Date of measurement: 12/16/2020

Measurement duration: 22 minutes 12 seconds

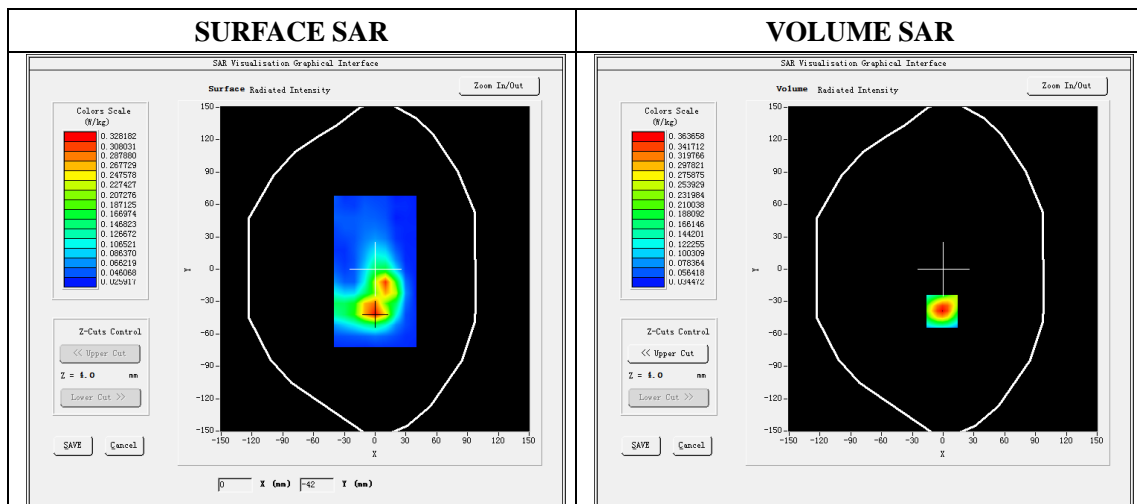
Mobile Phone IMEI number: --

**A. Experimental conditions.**

<b>Area Scan</b>	dx=5mm,dy=5mm
<b>ZoomScan</b>	7x7x8,dx=5mm dy=5mm dz=4mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Right Side
<b>Band</b>	WIFI
<b>Channels</b>	6
<b>Signal</b>	DSSS (Duty cycle: 1:1)

**B. SAR Measurement Results**

<b>E-Field Probe</b>	SATIMO SN_27/15_EPG0261
<b>Frequency (MHz)</b>	2437
<b>Relative permittivity (real part)</b>	52.69
<b>Relative permittivity (imaginary)</b>	14.25
<b>Conductivity (S/m)</b>	1.94
<b>Variation (%)</b>	-0.31
<b>ConvF:</b>	2.47

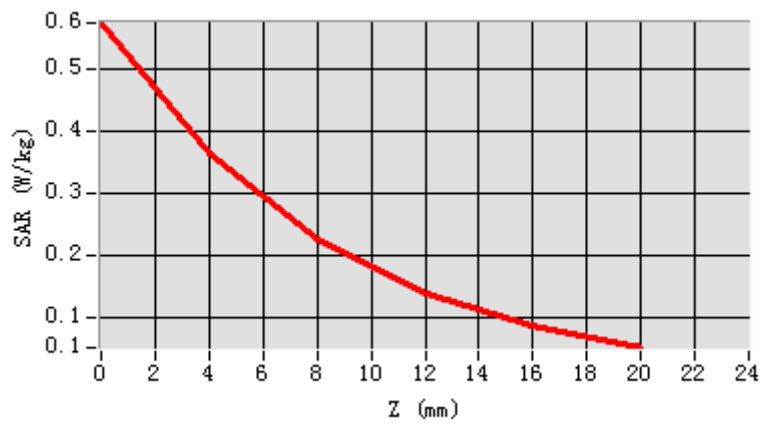


**Maximum location: X=-1.00, Y=-39.00**

**SAR Peak: 0.58 W/kg**

<b>SAR 10g (W/Kg)</b>	0.174147
<b>SAR 1g (W/Kg)</b>	0.333921

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.5751	0.3637	0.2251	0.1387	0.0859



3D screen shot	Hot spot position
