

Appendix B: SAR Measurement results Plots

Plot	Frequency/Mode	Testing Position and Channel	Test Date
1	LTE Band2	Body Face, Middle ,5mm	2021/09/20
2	LTE Band4	Body Face, Middle ,5mm	2021/09/13
3	LTE Band5	Body Face, Middle ,5mm	2021/09/10
4	LTE Band5	Edge A, Middle ,5mm	2021/09/10
5	LTE Band12	Body Face, Middle ,5mm	2021/09/09
6	LTE Band12	Edge A, Middle ,5mm	2021/09/09
7	LTE Band13	Body Face, Middle ,5mm	2021/09/09
8	LTE Band13	Edge A, Middle ,5mm	2021/09/09
9	WIFI 2.4G 802.11b	Body Back, Middle ,5mm	2021/09/15

Plot 1: LTE Band2, 20MHz, Face, Middle,5mm

Type: Phone measurement

Date of measurement: 09/20/2021

Measurement duration: 22 minutes 01 seconds

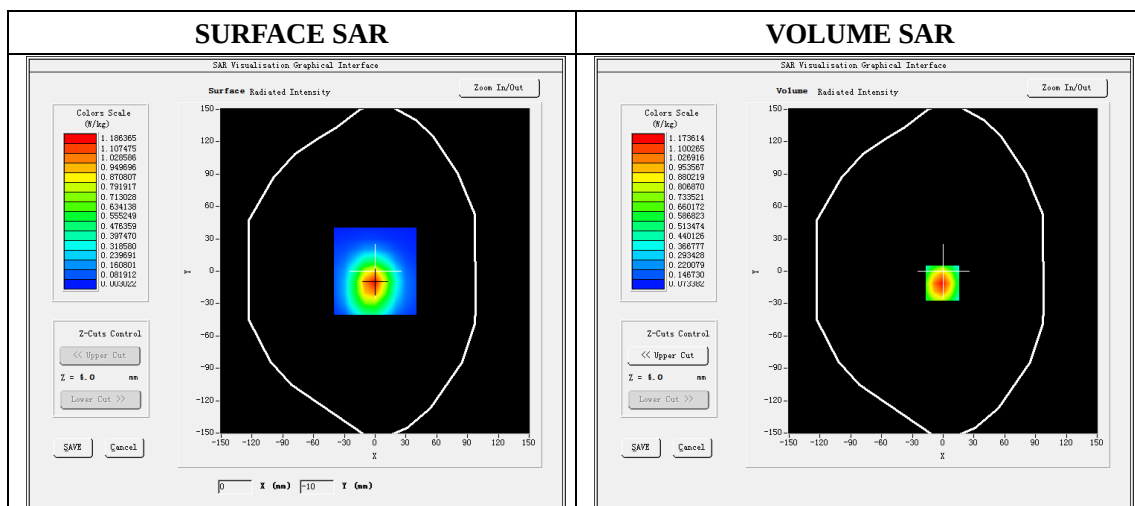
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Face
Band	LTE Band 2
Channels	18900
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

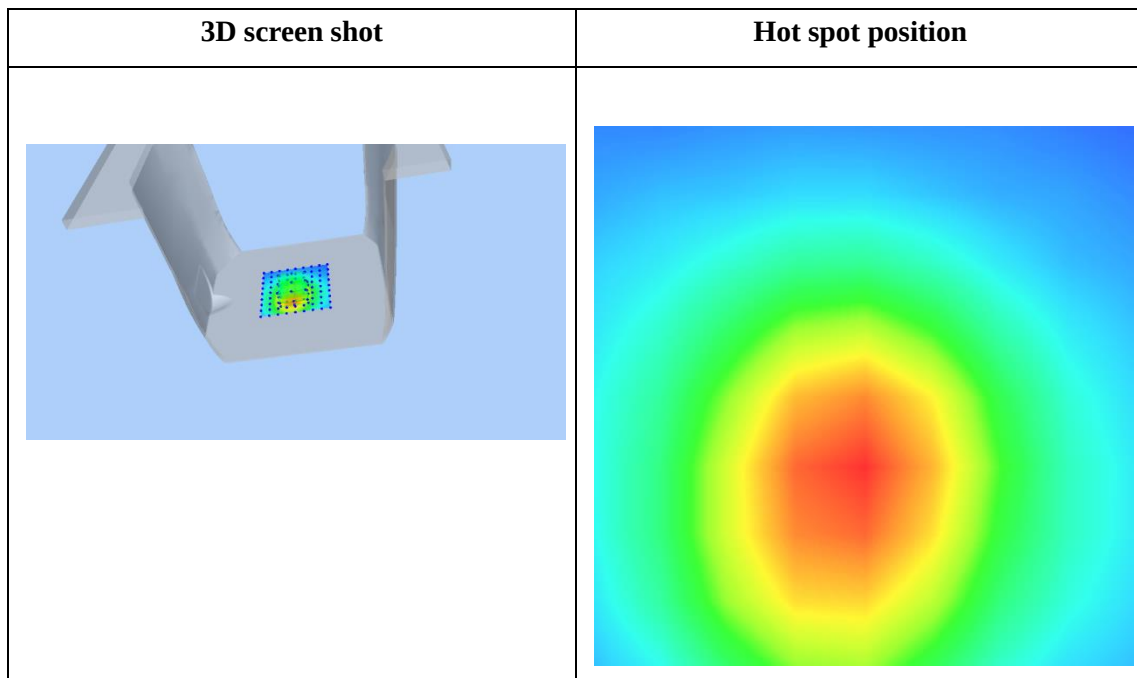
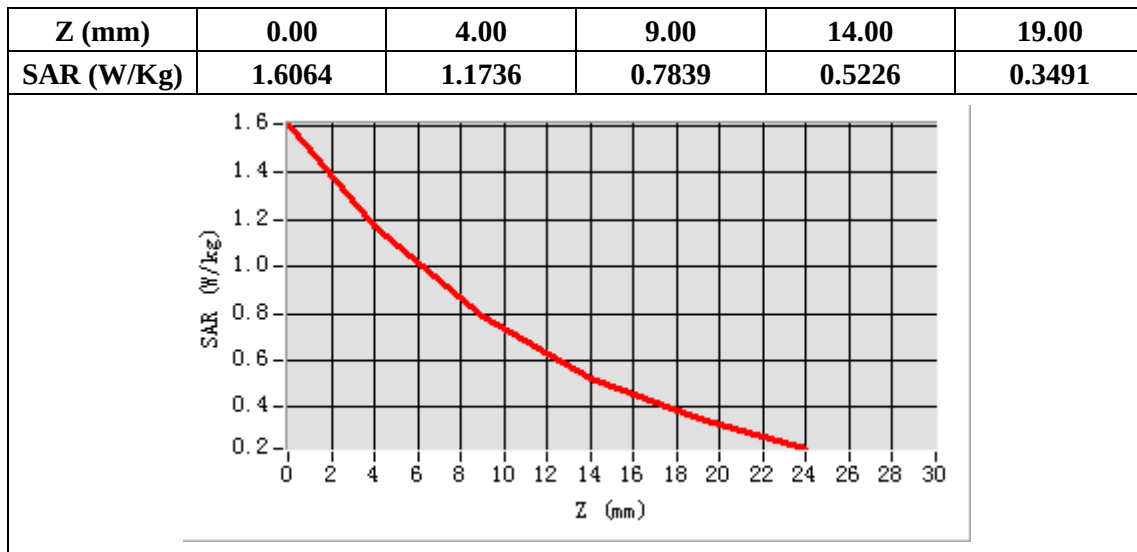
E-Field Probe	SATIMO SN36/20 EPGO 348
Frequency (MHz)	1880
Relative permittivity (real part)	53.25
Relative permittivity (imaginary)	14.21
Conductivity (S/m)	1.50
Variation (%)	-3.52
ConvF:	2.40



Maximum location: X=-1.00, Y=-11.00

SAR Peak: 1.62W/kg

SAR 10g (W/Kg)	0.654644
SAR 1g (W/Kg)	1.099755



Plot 2: LTE Band4, 20MHz, Face, Middle,5mm

Type: Phone measurement

Date of measurement: 09/13/2021

Measurement duration: 22 minutes 04 seconds

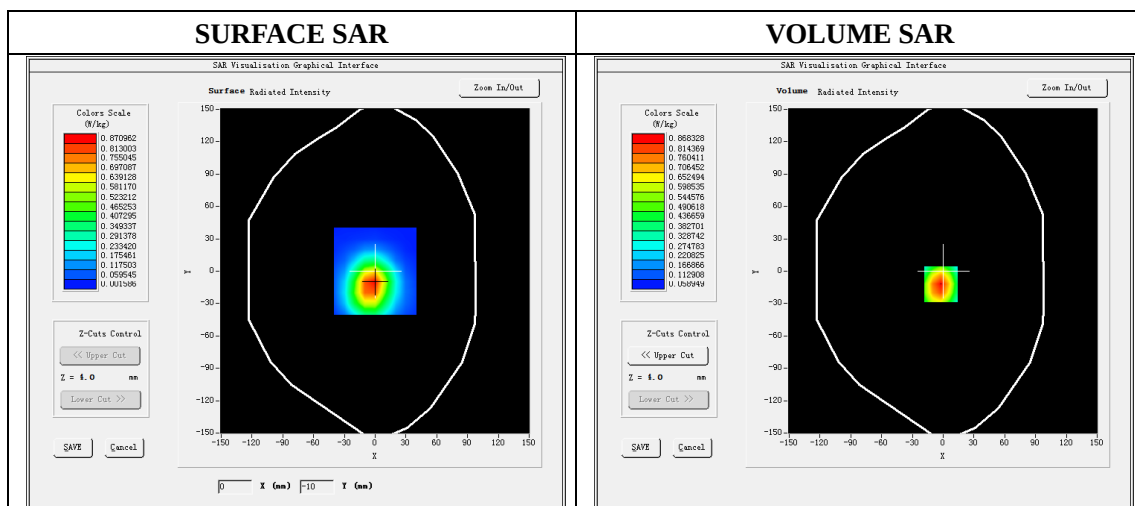
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Face
Band	LTE Band 4
Channels	20175
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

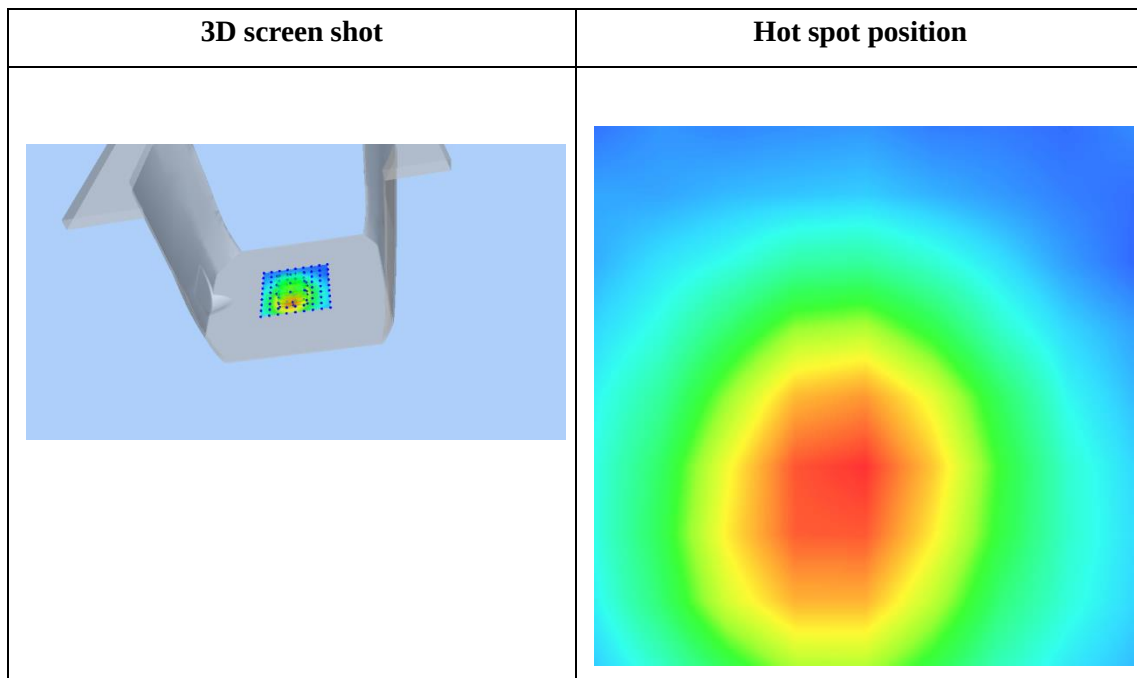
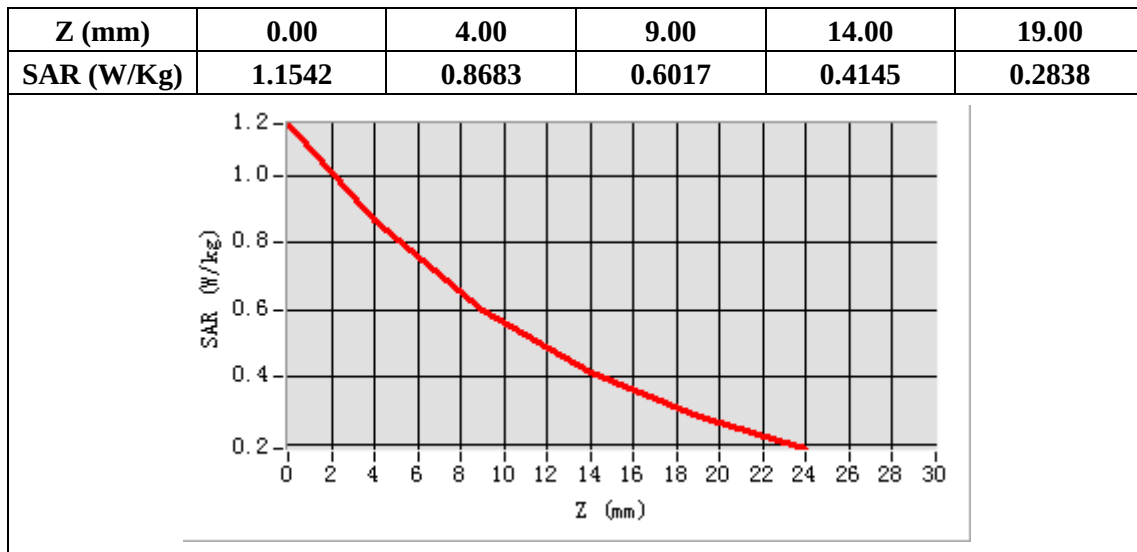
E-Field Probe	SATIMO SN36/20 EPGO 348
Frequency (MHz)	1732.5
Relative permittivity (real part)	53.27
Relative permittivity (imaginary)	15.10
Conductivity (S/m)	1.51
Variation (%)	-3.89
ConvF:	2.22



Maximum location: X=-2.00, Y=-12.00

SAR Peak: 1.16W/kg

SAR 10g (W/Kg)	0.508661
SAR 1g (W/Kg)	0.832769



Plot 3: LTE Band5, 10MHz, Face, Middle,5mm

Type: Phone measurement

Date of measurement: 09/10/2021

Measurement duration: 22 minutes 07 seconds

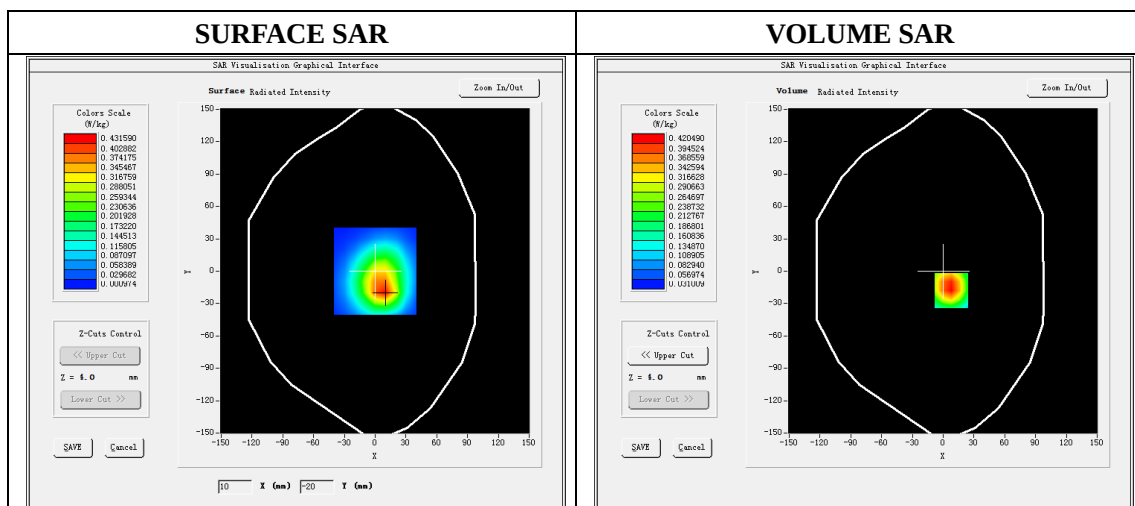
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Face
Band	LTE Band 5
Channels	20525
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

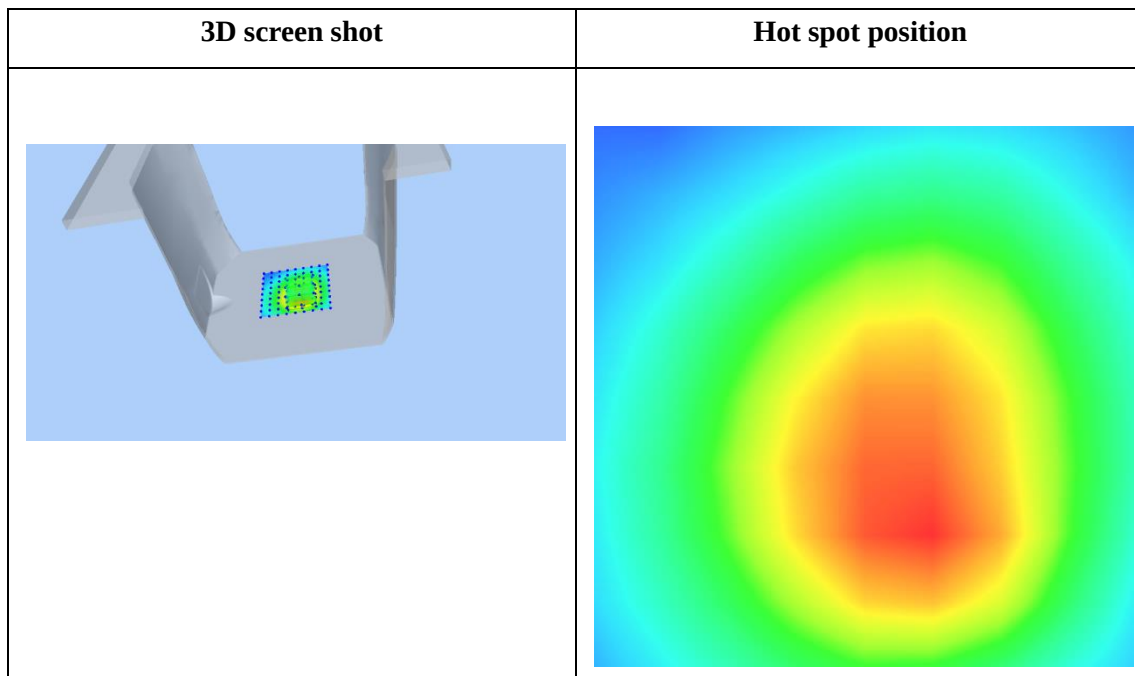
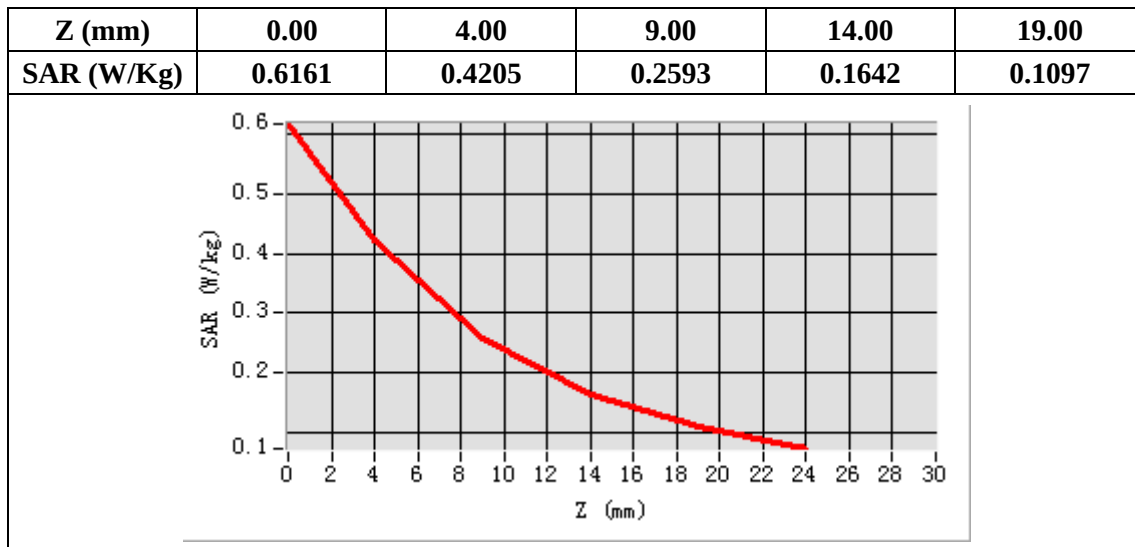
E-Field Probe	SATIMO SN36/20 EPGO 348
Frequency (MHz)	836.5
Relative permittivity (real part)	55.18
Relative permittivity (imaginary)	20.69
Conductivity (S/m)	0.96
Variation (%)	1.11
ConvF:	1.93



Maximum location: X=8.00, Y=-18.00

SAR Peak: 0.63W/kg

SAR 10g (W/Kg)	0.242066
SAR 1g (W/Kg)	0.402620



Plot 4: LTE Band5, 10MHz, Edge A, Middle,5mm

Type: Phone measurement

Date of measurement: 09/10/2021

Measurement duration: 22 minutes 02 seconds

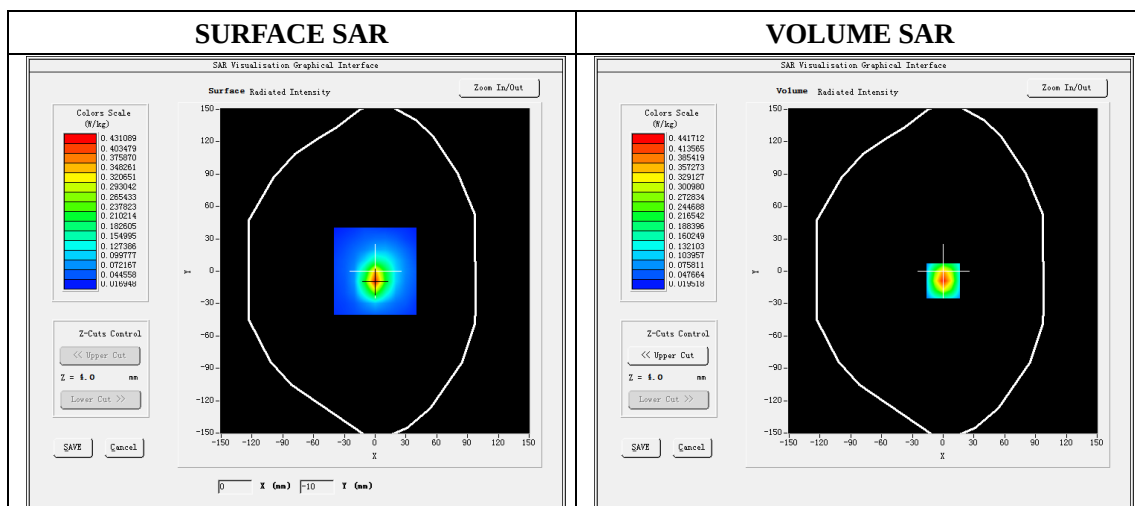
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Edge A
Band	LTE Band 5
Channels	20525
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

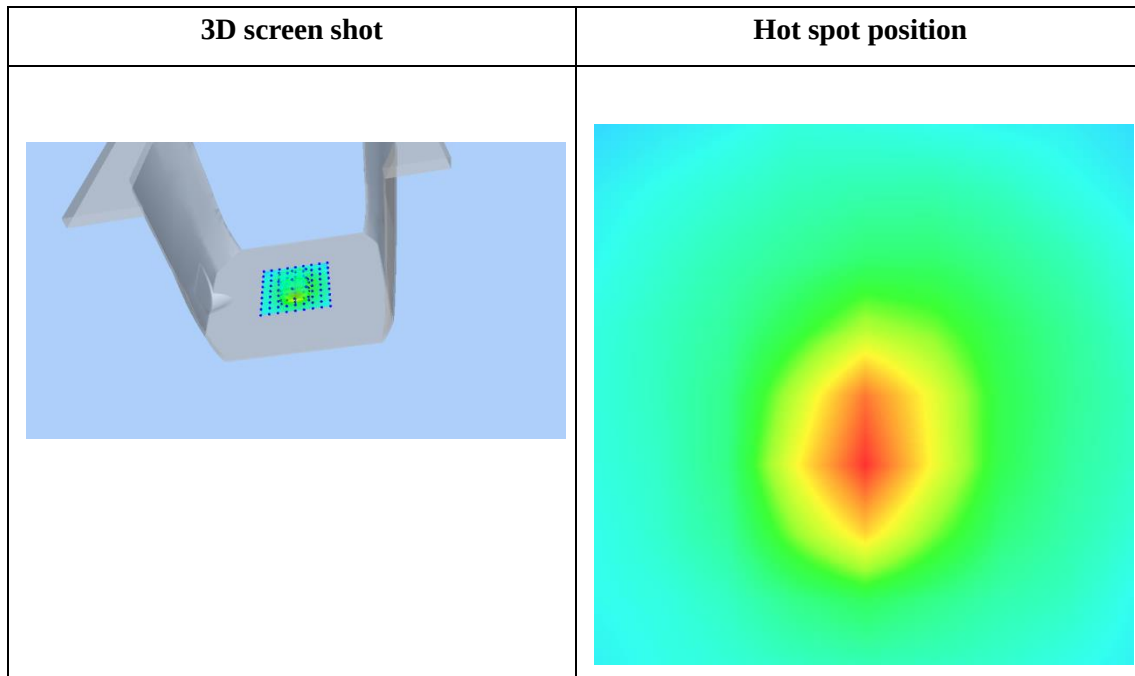
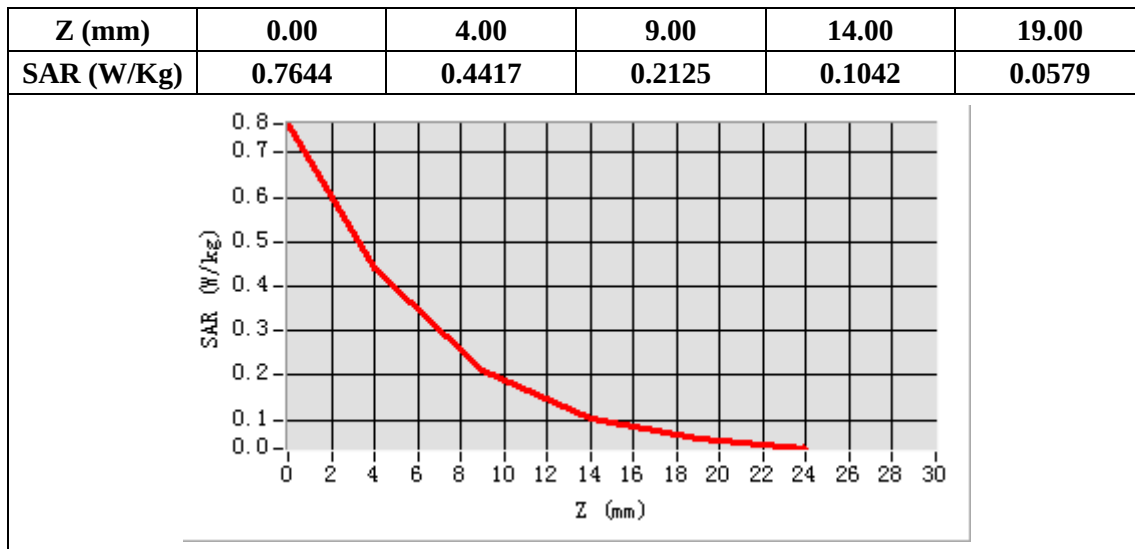
E-Field Probe	SATIMO SN36/20 EPGO 348
Frequency (MHz)	836.5
Relative permittivity (real part)	55.18
Relative permittivity (imaginary)	20.69
Conductivity (S/m)	0.96
Variation (%)	-1.83
ConvF:	1.93



Maximum location: X=0.00, Y=-9.00

SAR Peak: 0.77W/kg

SAR 10g (W/Kg)	0.190586
SAR 1g (W/Kg)	0.404321



Plot 5: LTE Band12, 10MHz, Face, Middle,5mm

Type: Phone measurement

Date of measurement: 09/09/2021

Measurement duration: 22 minutes 10 seconds

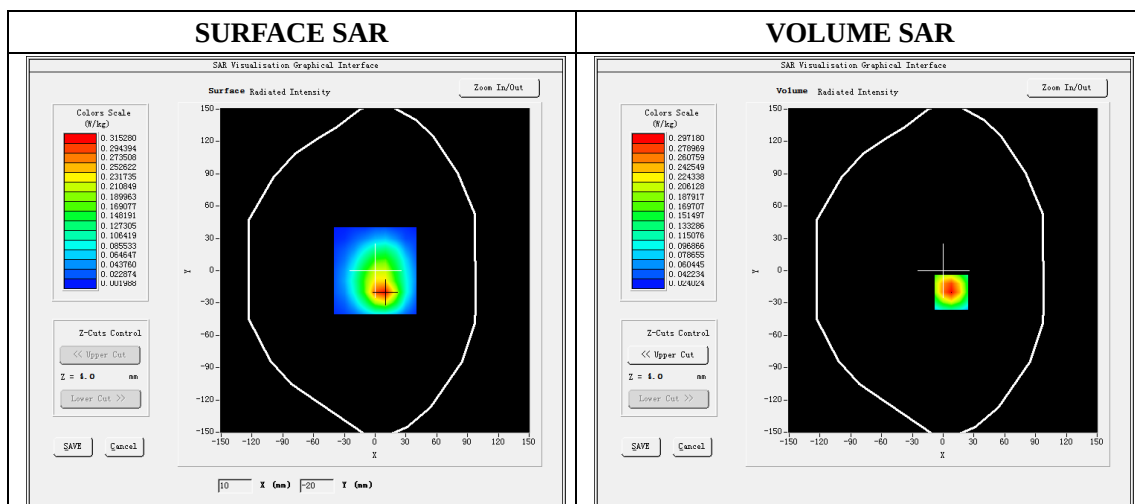
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Face
Band	LTE Band 12
Channels	23095
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

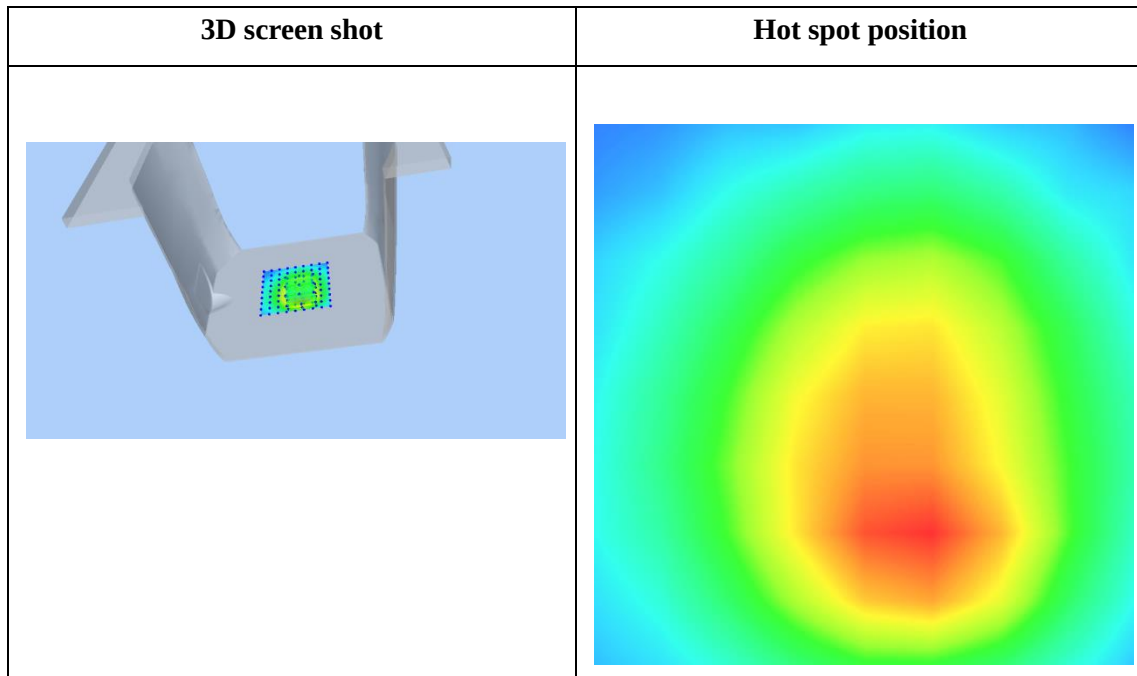
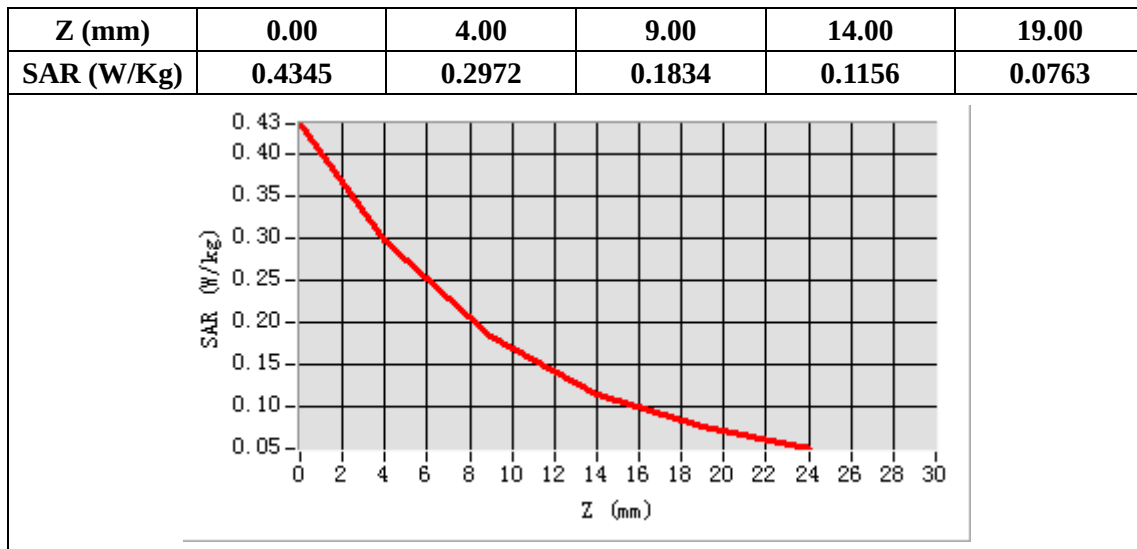
E-Field Probe	SATIMO SN36/20 EPGO 348
Frequency (MHz)	707.5
Relative permittivity (real part)	55.53
Relative permittivity (imaginary)	23.28
Conductivity (S/m)	0.97
Variation (%)	-4.79
ConvF:	1.85



Maximum location: X=8.00, Y=-20.00

SAR Peak: 0.44W/kg

SAR 10g (W/Kg)	0.169931
SAR 1g (W/Kg)	0.288306



Plot 6: LTE Band12, 10MHz, Edge A, Middle,5mm

Type: Phone measurement

Date of measurement: 09/09/2021

Measurement duration: 22 minutes 13 seconds

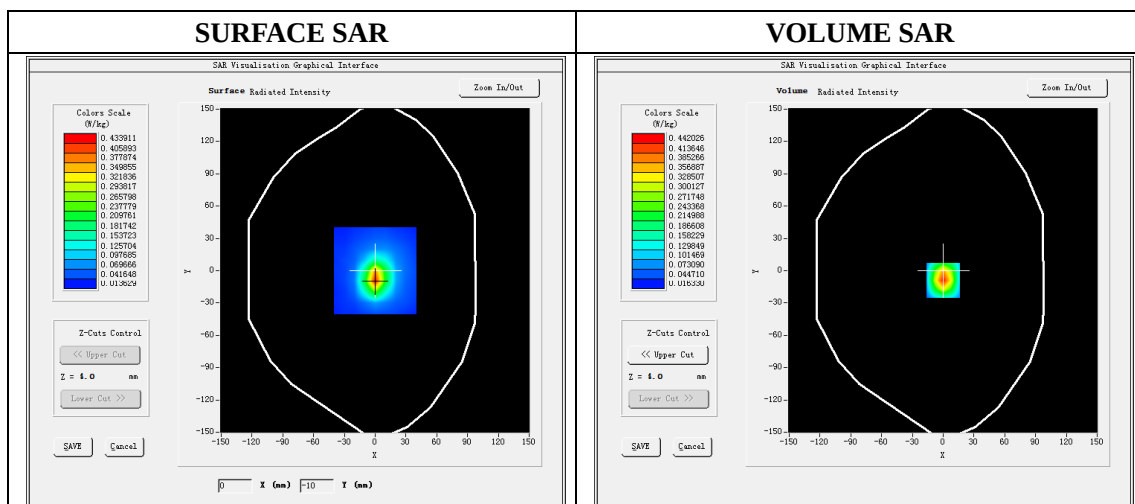
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Edge A
Band	LTE Band 12
Channels	23095
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

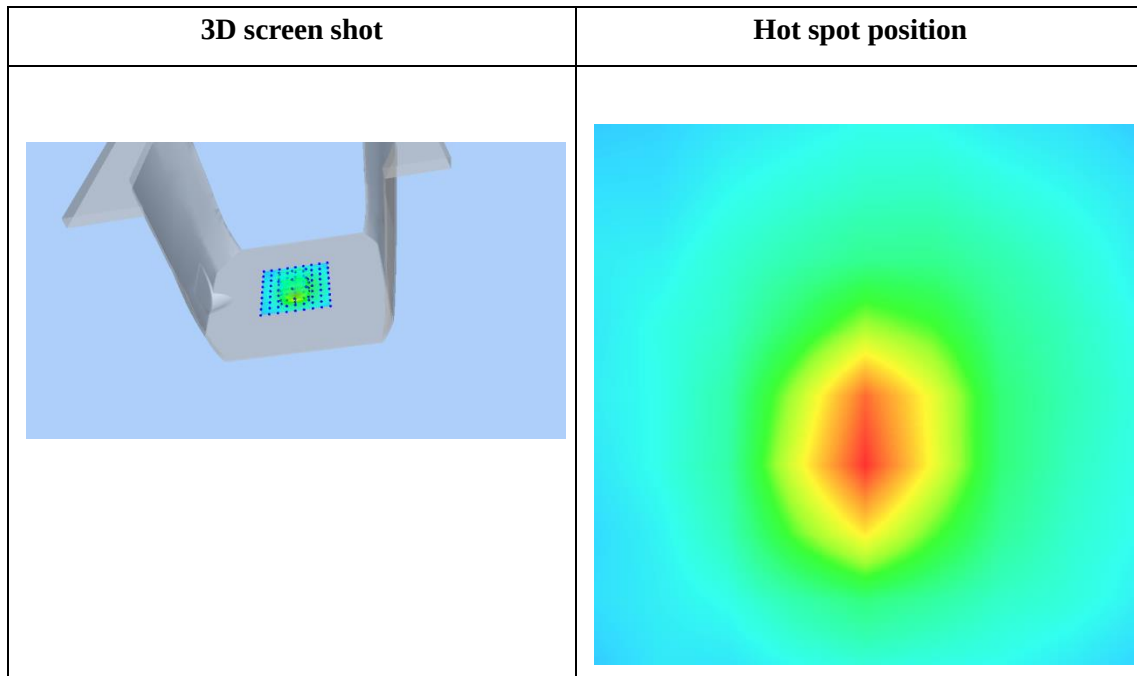
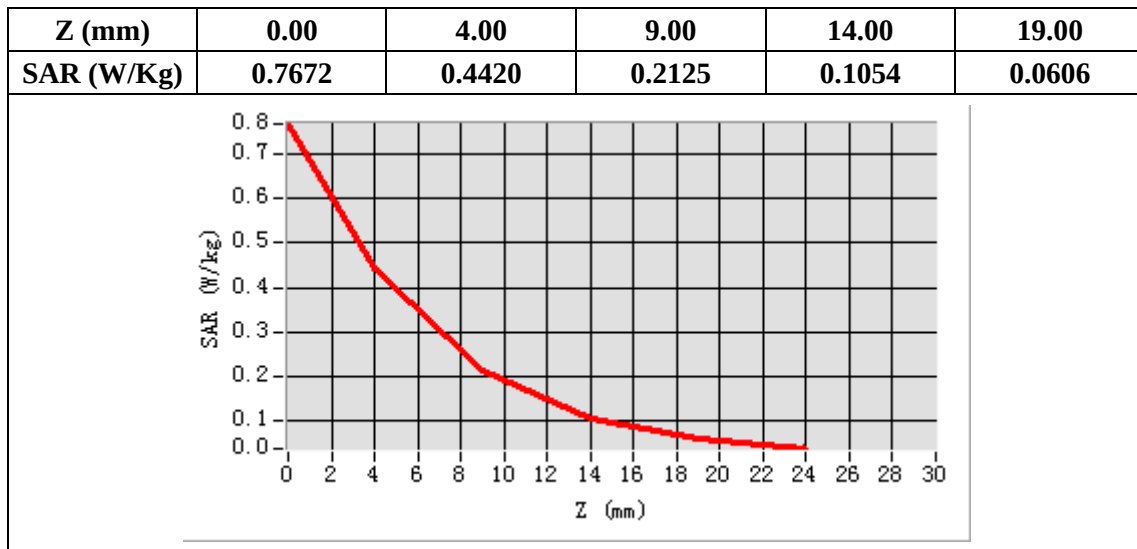
E-Field Probe	SATIMO SN36/20 EPGO 348
Frequency (MHz)	707.5
Relative permittivity (real part)	55.53
Relative permittivity (imaginary)	23.28
Conductivity (S/m)	0.97
Variation (%)	-2.74
ConvF:	1.85



Maximum location: X=0.00, Y=-9.00

SAR Peak: 0.77W/kg

SAR 10g (W/Kg)	0.191528
SAR 1g (W/Kg)	0.412387



Plot 7: LTE Band 13, 10MHz, Face, Middle,5mm

Type: Phone measurement

Date of measurement: 09/09/2021

Measurement duration: 22 minutes 16 seconds

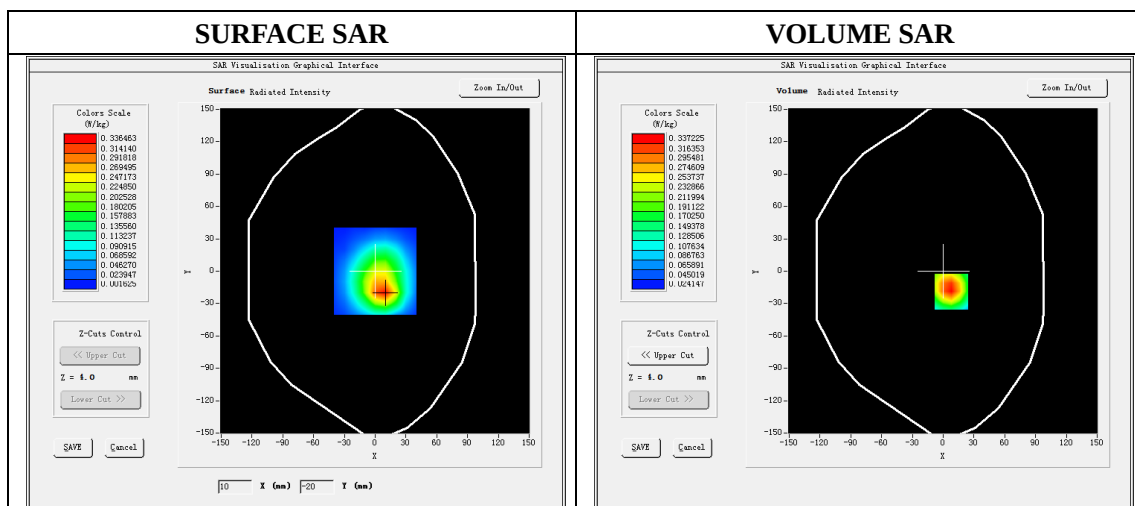
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Face
Band	LTE Band 13
Channels	23230
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

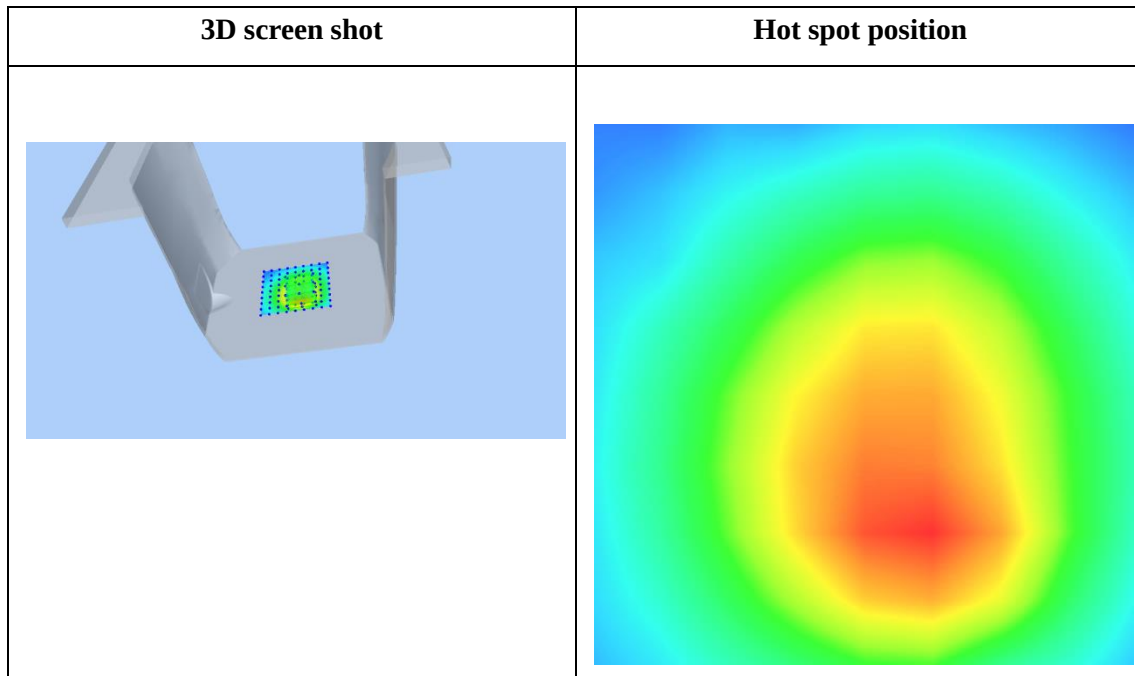
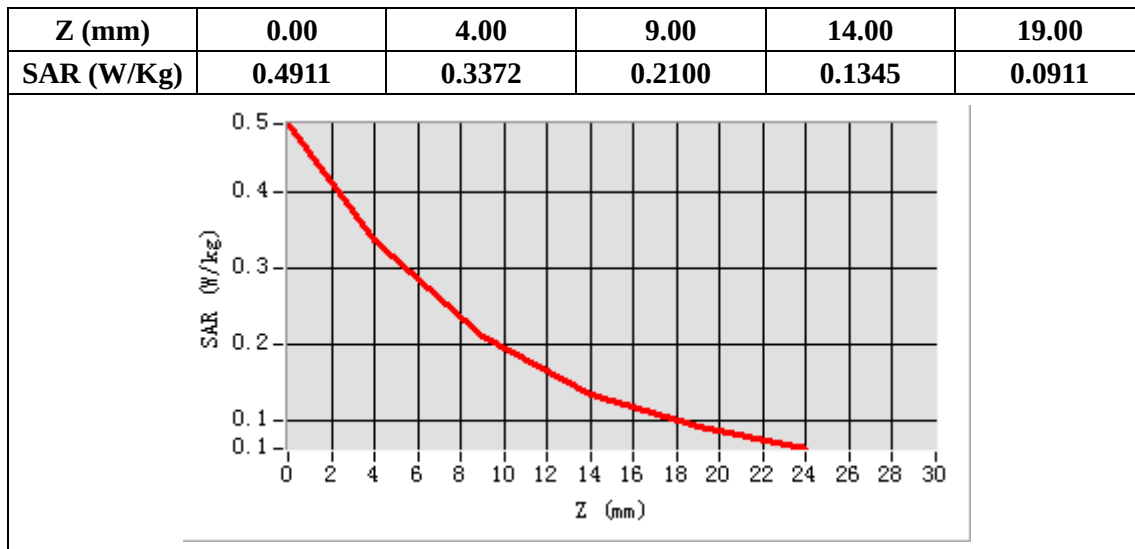
E-Field Probe	SATIMO SN36/20 EPGO 348
Frequency (MHz)	782
Relative permittivity (real part)	55.53
Relative permittivity (imaginary)	23.28
Conductivity (S/m)	0.97
Variation (%)	-2.36
ConvF:	1.85



Maximum location: X=8.00, Y=-19.00

SAR Peak: 0.50W/kg

SAR 10g (W/Kg)	0.198209
SAR 1g (W/Kg)	0.331544



Plot 8: LTE Band 13, 10MHz, Edge A, Middle,5mm

Type: Phone measurement

Date of measurement: 09/09/2021

Measurement duration: 22 minutes 15 seconds

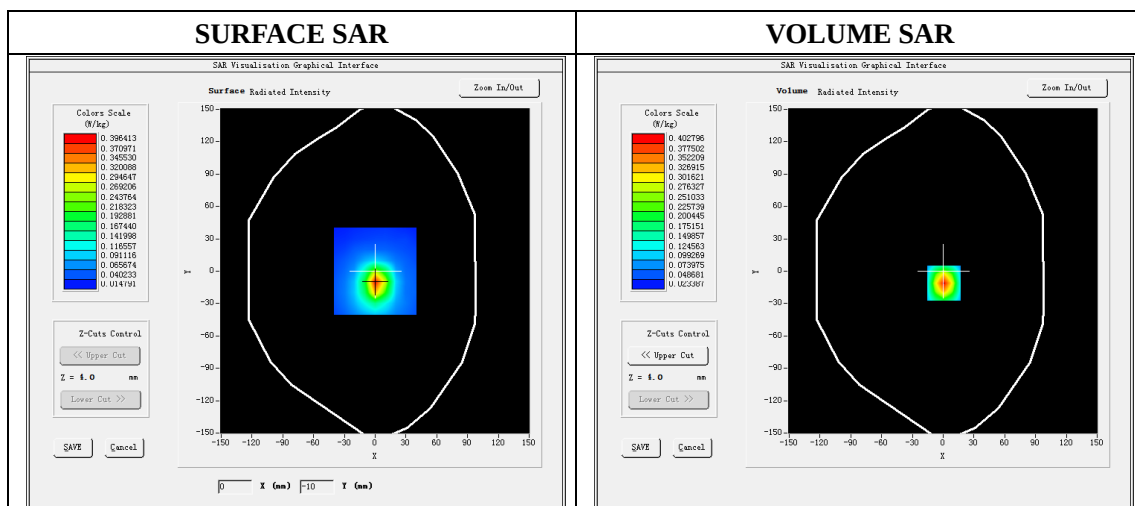
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Edge A
Band	LTE Band 13
Channels	23230
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

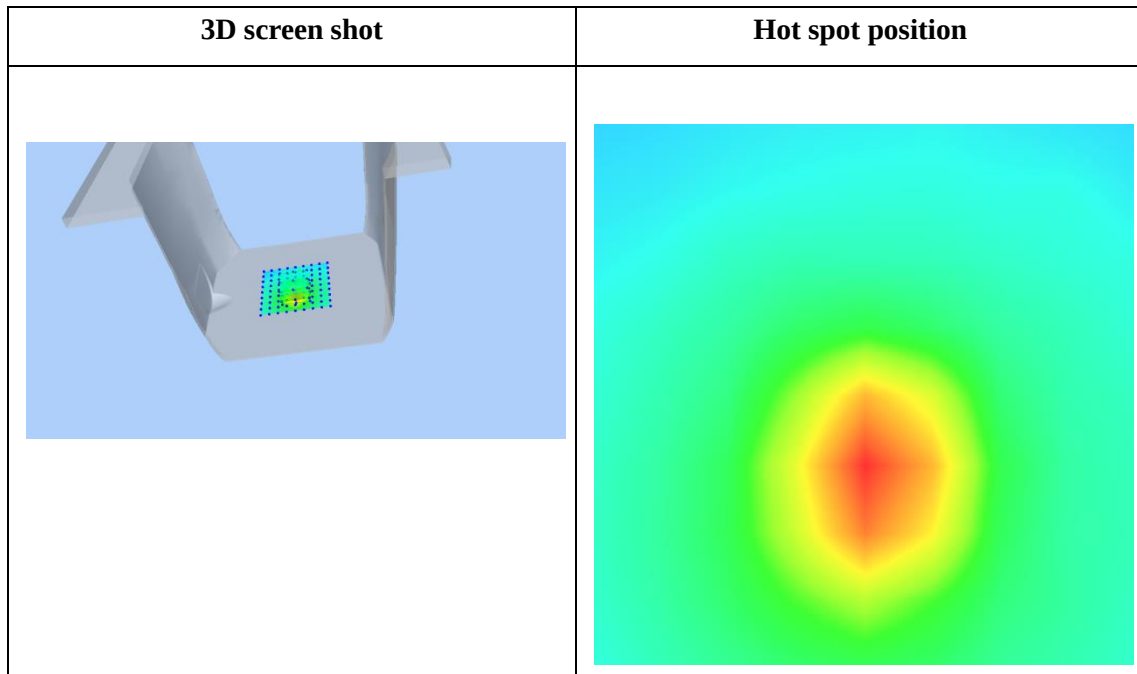
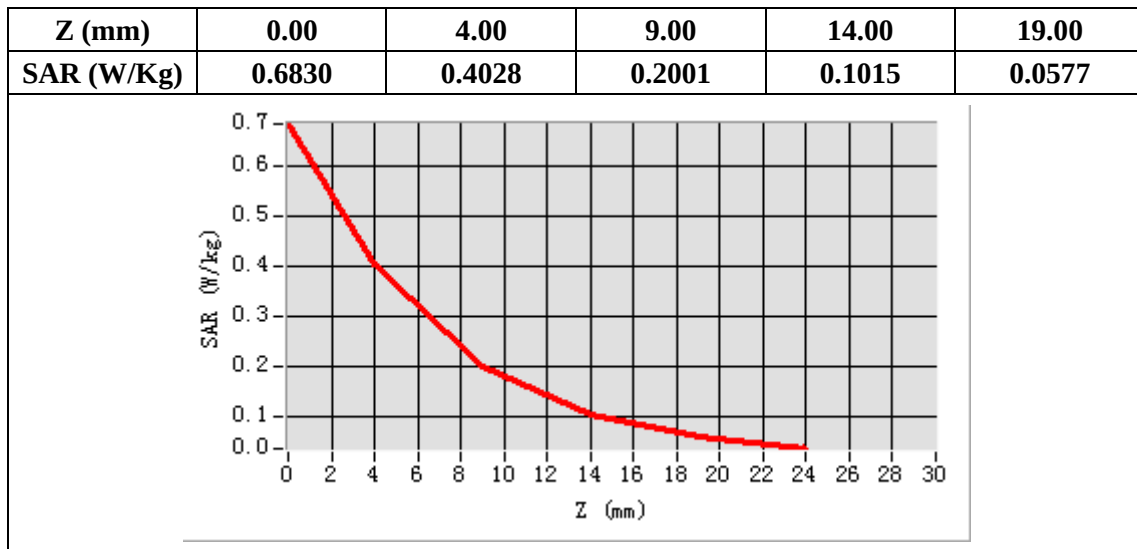
E-Field Probe	SATIMO SN36/20 EPGO 348
Frequency (MHz)	782
Relative permittivity (real part)	55.53
Relative permittivity (imaginary)	23.28
Conductivity (S/m)	0.97
Variation (%)	-4.20
ConvF:	1.85



Maximum location: X=1.00, Y=-11.00

SAR Peak: 0.68W/kg

SAR 10g (W/Kg)	0.182725
SAR 1g (W/Kg)	0.379881



Plot 9: Wi-Fi 802.11b, Back ,Middle, 5mm

Type: Phone measurement

Date of measurement: 09/15/2021

Measurement duration: 22 minutes 18 seconds

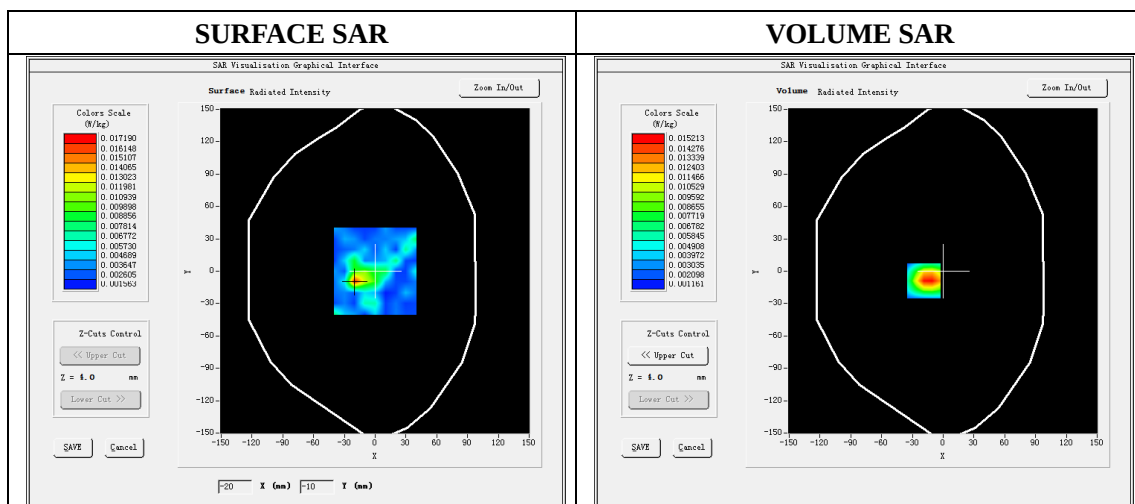
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN36/20 EPGO 348
Frequency (MHz)	2437
Relative permittivity (real part)	52.75
Relative permittivity (imaginary)	14.55
Conductivity (S/m)	1.98
Variation (%)	-3.27
ConvF:	2.40



Maximum location: X=-19.00 Y=-9.00

SAR Peak: 0.03 W/kg

SAR 10g (W/Kg)	0.007127
SAR 1g (W/Kg)	0.014976

