

Appendix B: SAR Measurement results Plots

Plot	Frequency/Mode	Testing Position and Channel	Test Date
1	GSM850	Right Cheek Middle	2021/09/10
2	GSM850/GPRS4Tx	Body Back, Middle ,10mm	2021/09/10
3	GSM1900	Right Cheek Middle	2021/09/20
4	GSM1900/GPRS4Tx	Body Back, Middle ,10mm	2021/09/20
5	GSM1900/GPRS4Tx	Edge C, Middle ,10mm	2021/09/20
6	WCDMA1900	Right Cheek Middle	2021/09/20
7	WCDMA1900	Body Back, Middle ,10mm	2021/09/20
8	WCDMA1900	Edge C, Middle ,10mm	2021/09/20
9	WCDMA1700	Left Cheek Middle	2021/09/13
10	WCDMA1700	Body Back, Middle ,10mm	2021/09/13
11	WCDMA1700	Edge C, Middle ,10mm	2021/09/13
12	WCDMA850	Left Cheek Middle	2021/09/10
13	WCDMA850	Body Face, Middle ,10mm	2021/09/10
14	WCDMA850	Edge B, Middle ,10mm	2021/09/10
15	LTE Band2	Right Cheek Middle	2021/09/20
16	LTE Band2	Body Back, Middle ,10mm	2021/09/20
17	LTE Band2	Edge C, Middle ,10mm	2021/09/20
18	LTE Band4	Left Cheek Middle	2021/09/13
19	LTE Band4	Body Back, Middle ,10mm	2021/09/13
20	LTE Band4	Edge C, Middle ,10mm	2021/09/13
21	LTE Band5	Left Cheek Middle	2021/09/10
22	LTE Band5	Body Back, Middle ,10mm	2021/09/10
23	LTE Band7	Left Cheek Middle	2021/09/16
24	LTE Band7	Body Back, Middle ,10mm	2021/09/16
25	LTE Band7	Edge C, Middle ,10mm	2021/09/16
26	LTE Band12	Left Cheek Middle	2021/09/09
27	LTE Band12	Body Back, Middle ,10mm	2021/09/09
28	LTE Band17	Left Cheek Middle	2021/09/09
29	LTE Band17	Body Back, Middle ,10mm	2021/09/09
30	LTE Band41	Left Cheek Middle	2021/09/16
31	LTE Band41	Body Back, Middle ,10mm	2021/09/16
32	LTE Band41	Edge C, Middle ,10mm	2021/09/16
33	LTE Band66	Left Cheek Middle	2021/09/13
34	LTE Band66	Body Back, Middle ,10mm	2021/09/13
35	WIFI 2.4G 802.11b	Right Tilt15 °Middle	2021/09/15
36	WIFI 2.4G 802.11b	Body Back, Middle ,10mm	2021/09/15
37	BT	Right Tilt15 °Middle	2021/09/15
38	BT	Body Back, Middle ,10mm	2021/09/15
39	WIFI 5G 802.11a	Left Tilt15 °Middle	2021/09/18
40	WIFI 5G 802.11a	Body Back, Middle ,10mm	2021/09/18
41	LTE Band71	Left Cheek Middle	2021/11/09
42	LTE Band71	Body Back, Middle ,10mm	2021/11/09

Plot 1: GSM850, Right Cheek, Middle

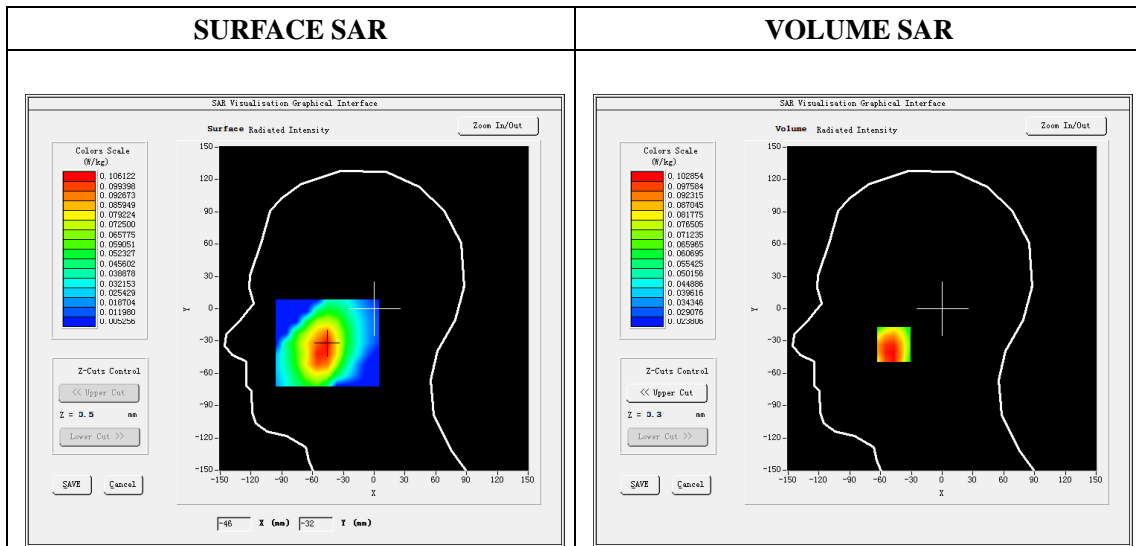
Type: Phone measurement
 Date of measurement: 09/10/2021
 Measurement duration: 22 minutes 03 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Cheek
Band	GSM850
Channels	190
Signal	GSM (Duty cycle: 1:8.3)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	836.6
Relative permittivity (real part)	41.50
Relative permittivity (imaginary part)	19.40
Conductivity (S/m)	0.90
Variation (%)	-2.40
ConvF:	1.86

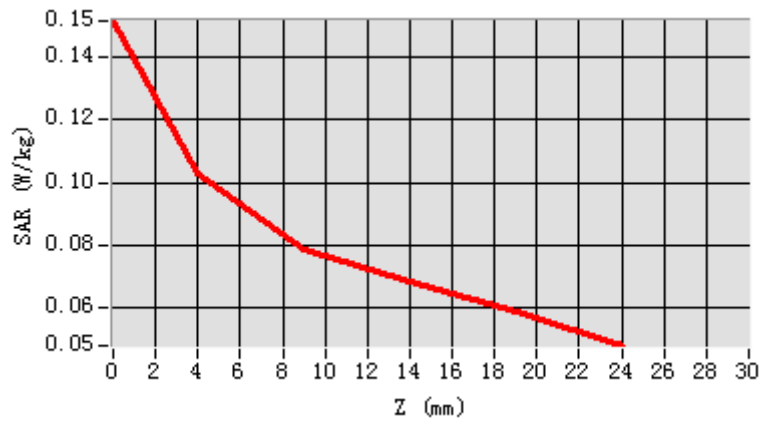


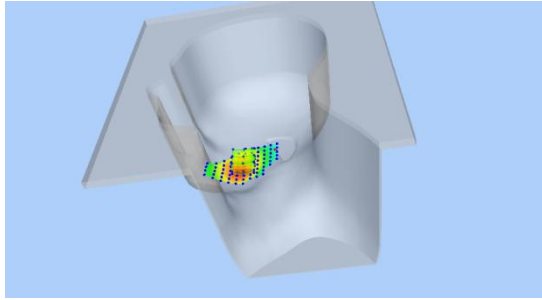
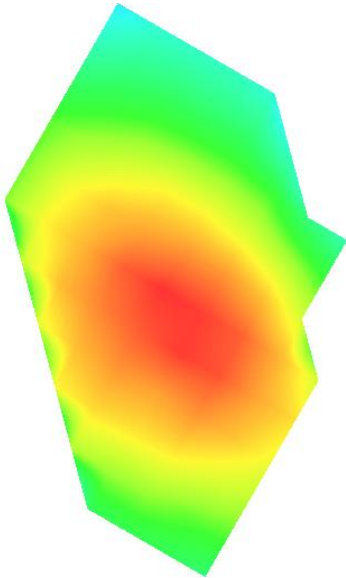
Maximum location: X=-47.00, Y=-33.00

SAR Peak: 0.13W/kg

SAR 10g (W/Kg)	0.078981
SAR 1g (W/Kg)	0.101478

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1515	0.1029	0.0787	0.0689	0.0587



3D screen shot	Hot spot position
	

Plot 2: GPRS850, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 09/10/2021

Measurement duration: 22 minutes 01 seconds

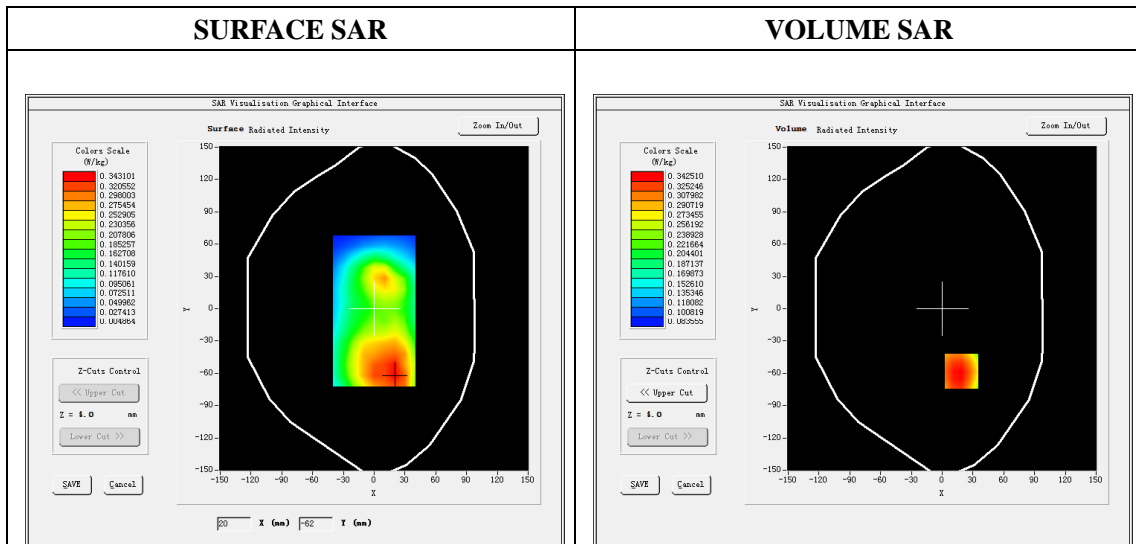
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	GSPRS850_4Tx
Channels	190
Signal	GPRS(Duty cycle: 1:2)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	836.6
Relative permittivity (real part)	55.18
Relative permittivity (imaginary part)	20.69
Conductivity (S/m)	0.96
Variation (%)	3.18
ConvF:	1.90

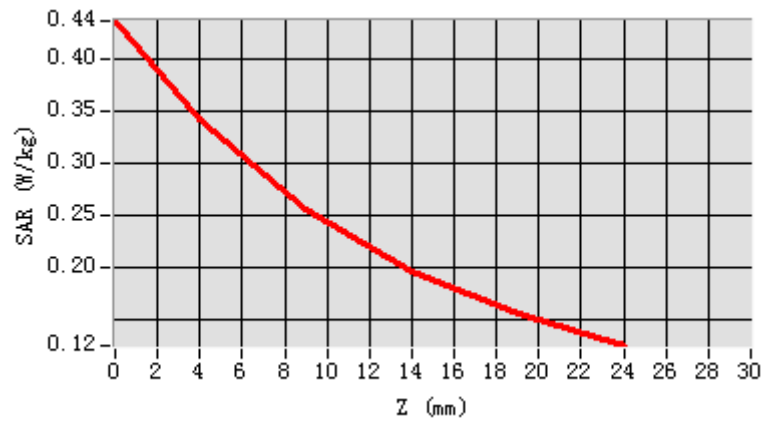


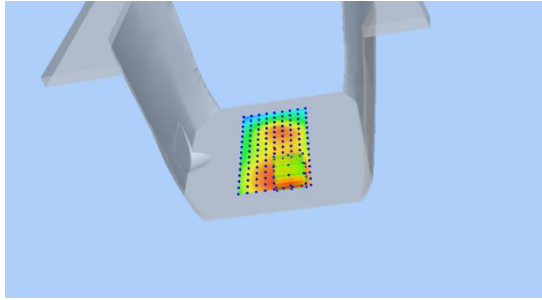
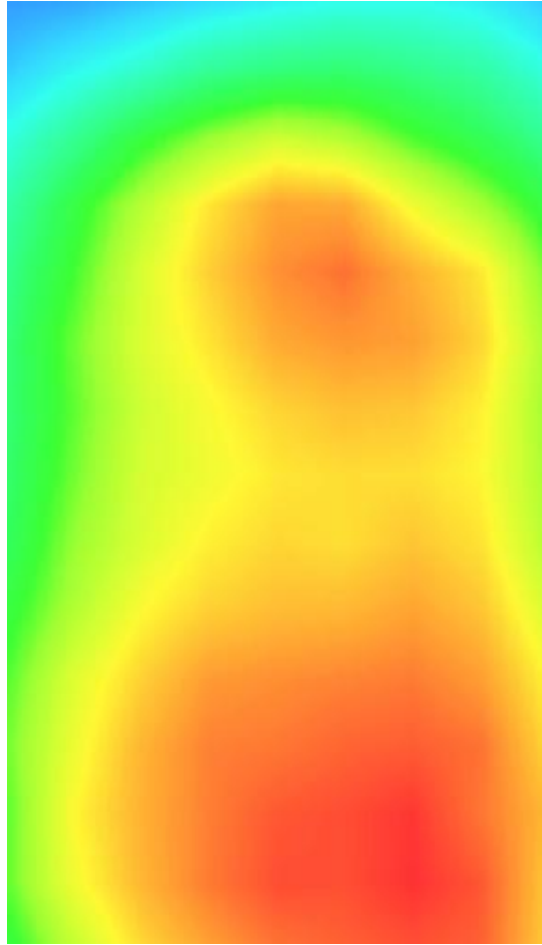
Maximum location: X=19.00, Y=-58.00

SAR Peak: 0.44 W/kg

SAR 10g (W/Kg)	0.249659
SAR 1g (W/Kg)	0.333537

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4368	0.3425	0.2554	0.1958	0.1554



3D screen shot	Hot spot position
	

Plot 3: GSM1900, Right Cheek, Middle

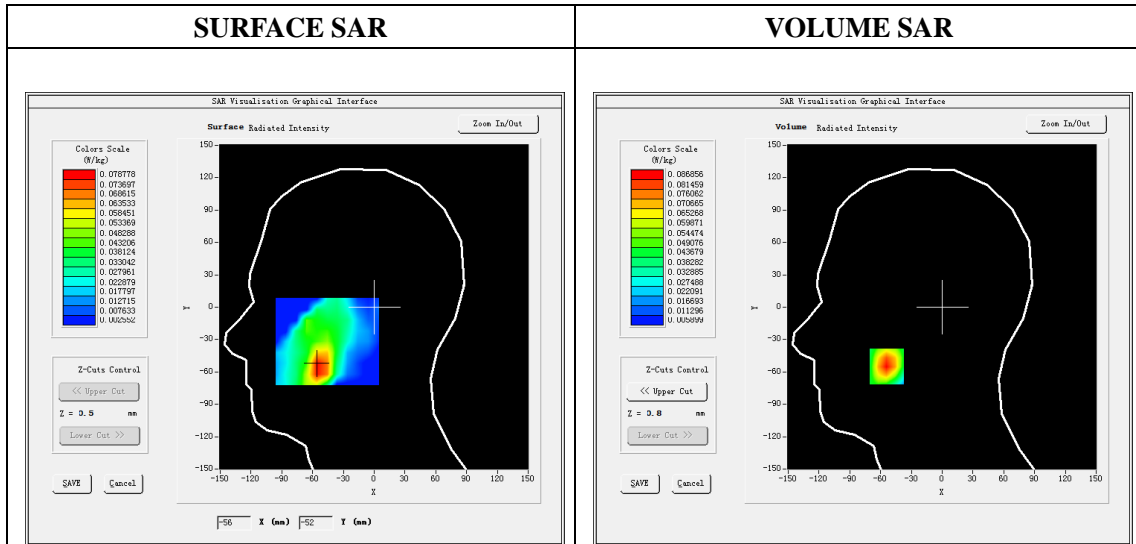
Type: Phone measurement
 Date of measurement: 09/20/2021
 Measurement duration: 22 minutes 02 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Cheek
Band	GSM1900
Channels	661
Signal	GSM (Duty cycle: 1:8.3)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	1880
Relative permittivity (real part)	40.55
Relative permittivity (imaginary part)	13.55
Conductivity (S/m)	1.43
Variation (%)	-4.12
ConvF:	2.20

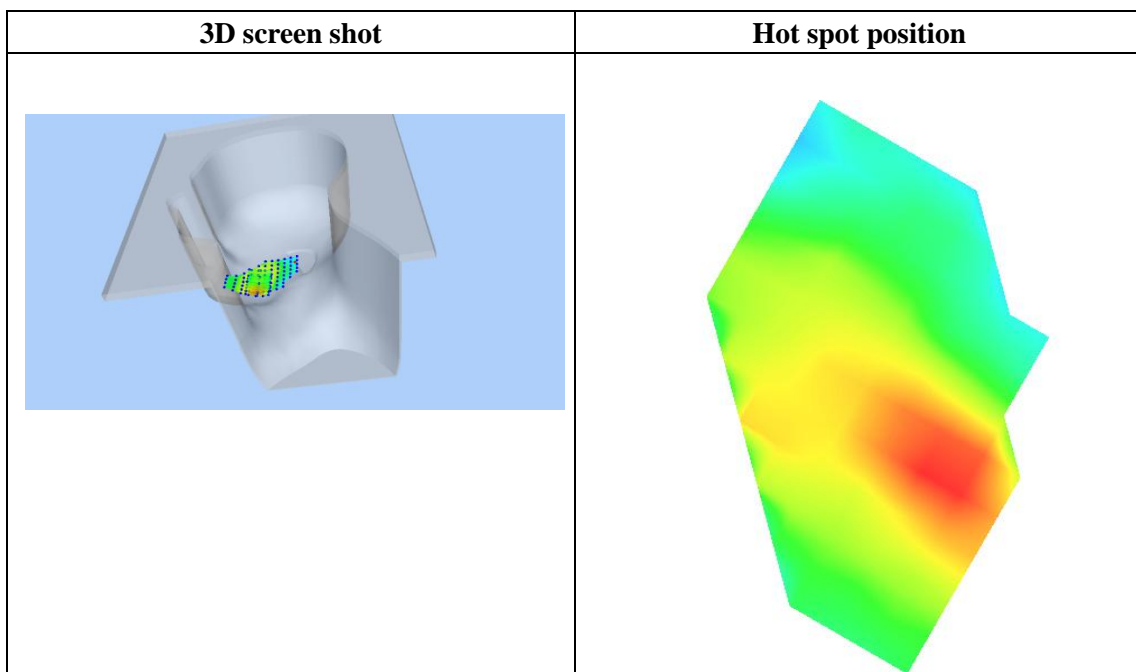
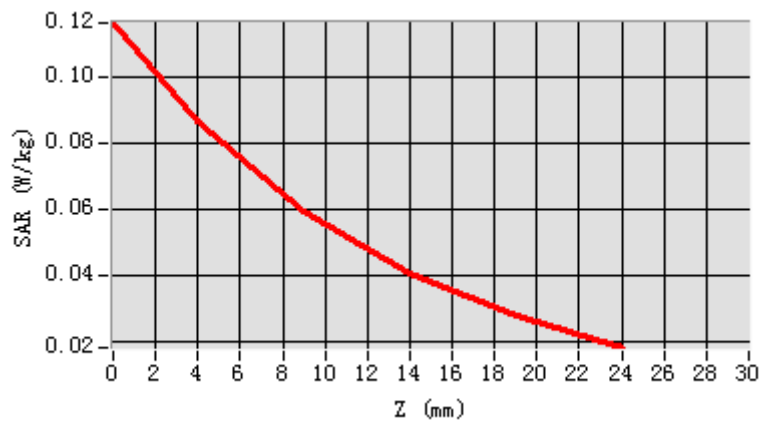


Maximum location: X=-54.00, Y=-55.00

SAR Peak: 0.12 W/kg

SAR 10g (W/Kg)	0.049954
SAR 1g (W/Kg)	0.081332

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1167	0.0869	0.0594	0.0405	0.0276



Plot 4: GPRS1900, Back, Middle ,10mm

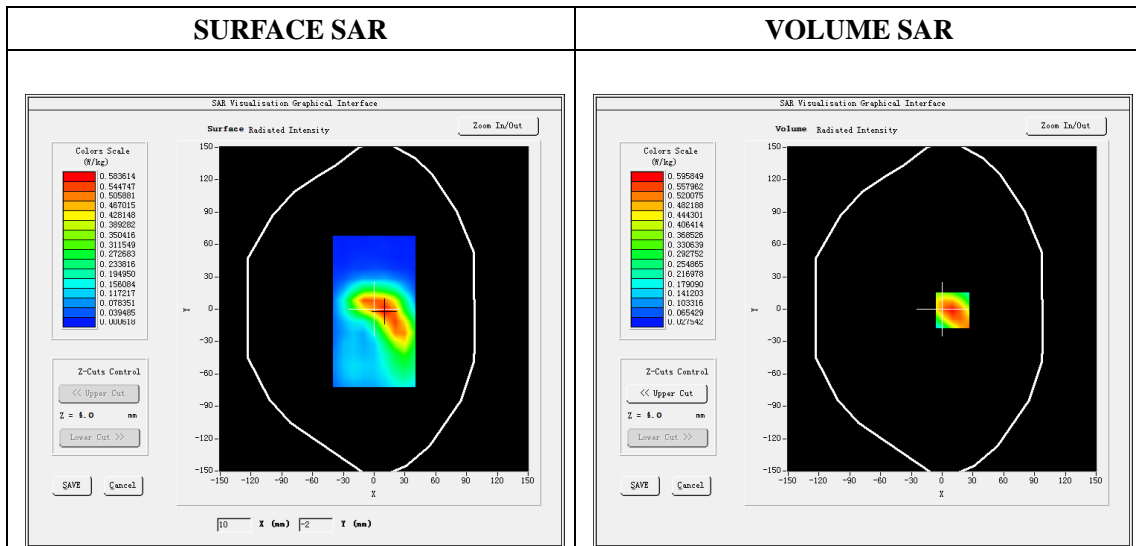
Type: Phone measurement
 Date of measurement: 09/20/2021
 Measurement duration: 22 minutes 04 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	GPRS1900_4Tx
Channels	661
Signal	GPRS(Duty cycle: 1:2)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	1880
Relative permittivity (real part)	53.25
Relative permittivity (imaginary part)	14.21
Conductivity (S/m)	1.50
Variation (%)	-0.29
ConvF:	2.26

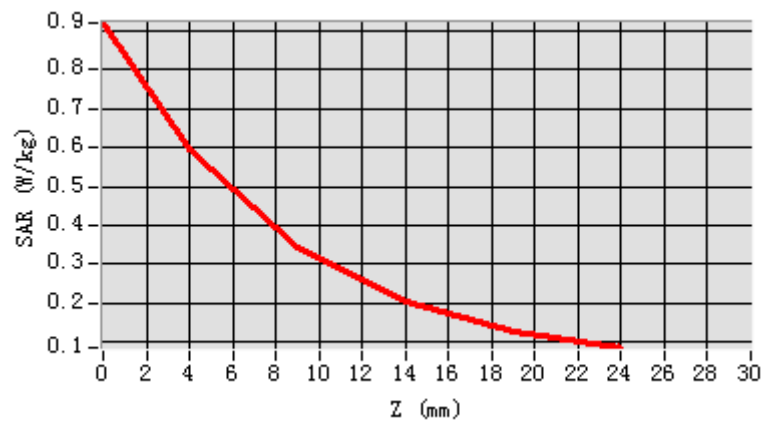


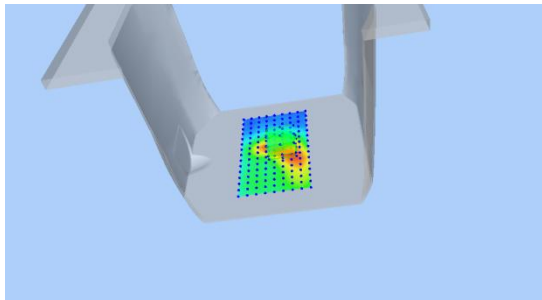
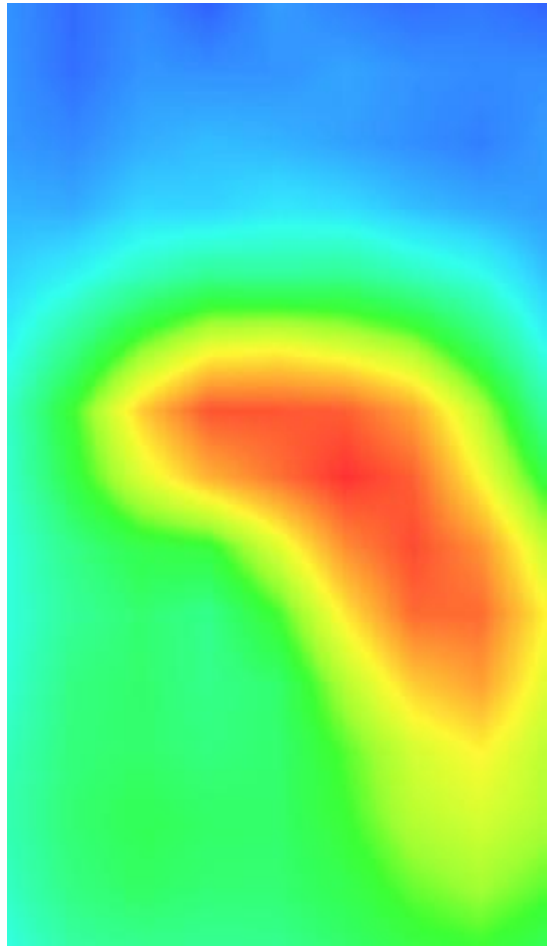
Maximum location: X=10.00, Y=-1.00

SAR Peak: 0.92 W/kg

SAR 10g (W/Kg)	0.322666
SAR 1g (W/Kg)	0.558891

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.9211	0.5958	0.3413	0.2018	0.1292



3D screen shot	Hot spot position
	

Plot 5: GPRS1900, Edge C, Middle ,10mm

Type: Phone measurement

Date of measurement: 09/20/2021

Measurement duration: 22 minutes 04 seconds

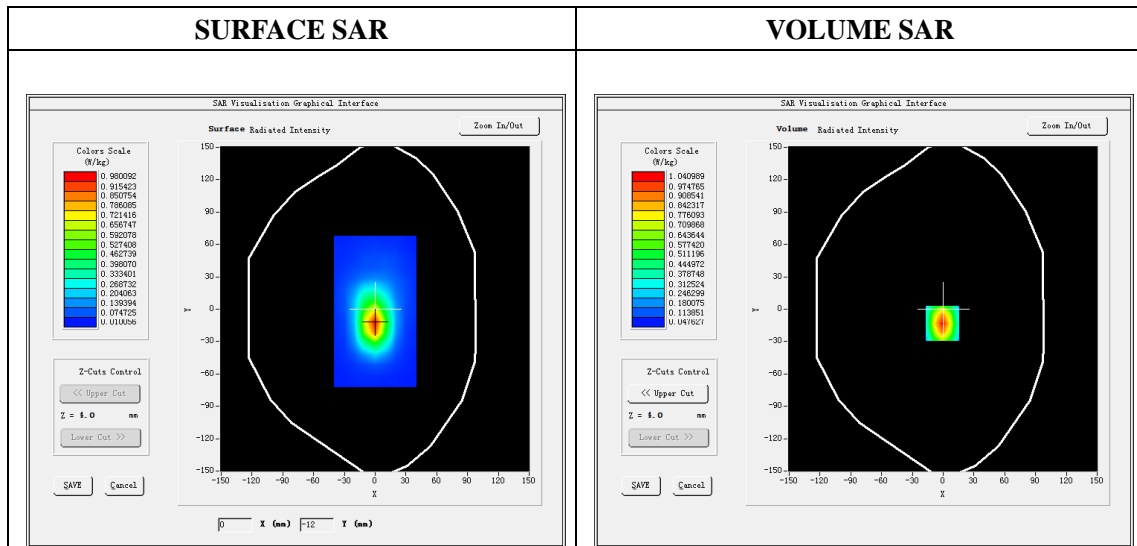
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Edge C
Band	GPRS1900_4Tx
Channels	661
Signal	GPRS(Duty cycle: 1:2)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	1880
Relative permittivity (real part)	53.25
Relative permittivity (imaginary part)	14.21
Conductivity (S/m)	1.50
Variation (%)	0.37
ConvF:	2.26

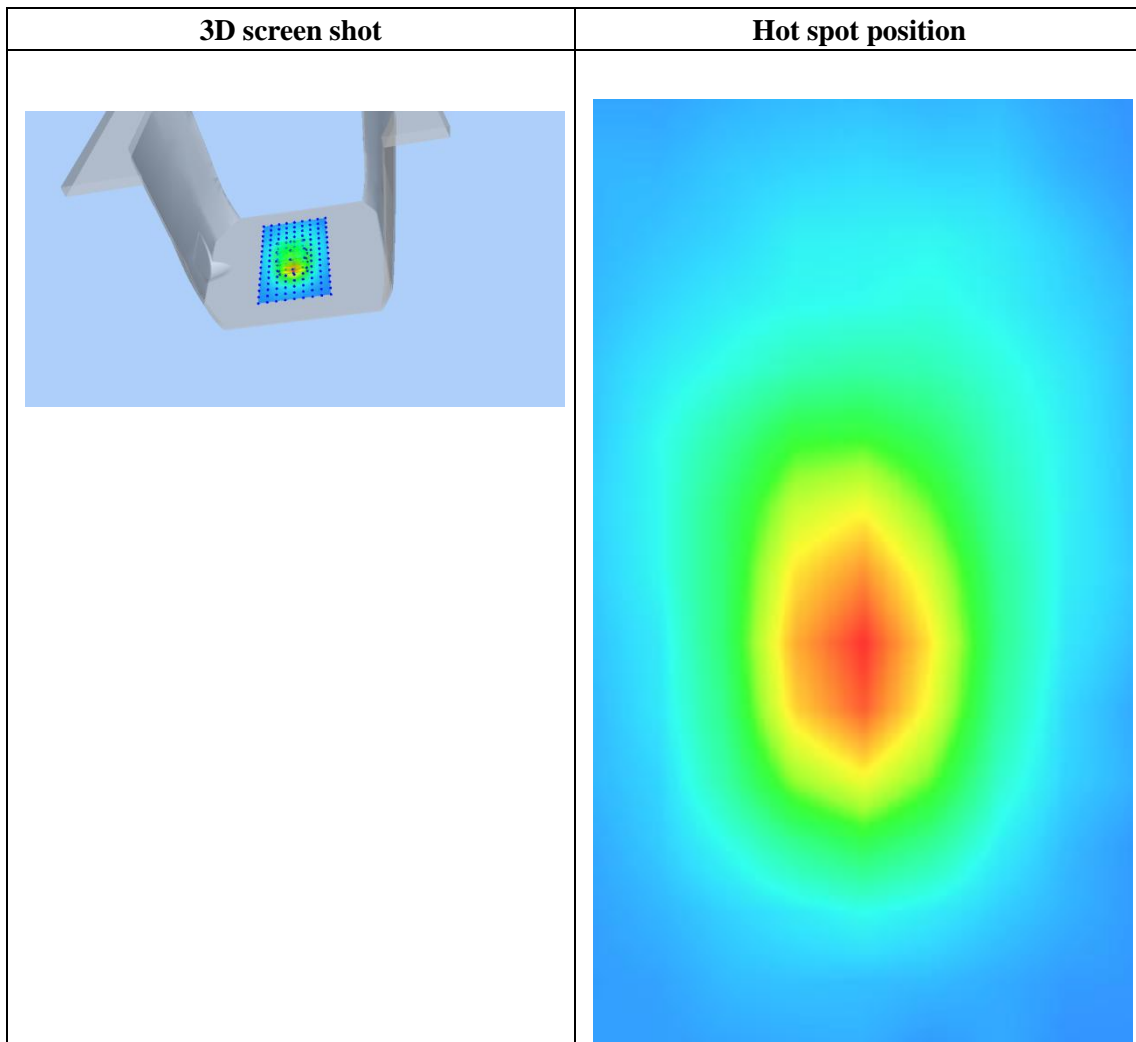
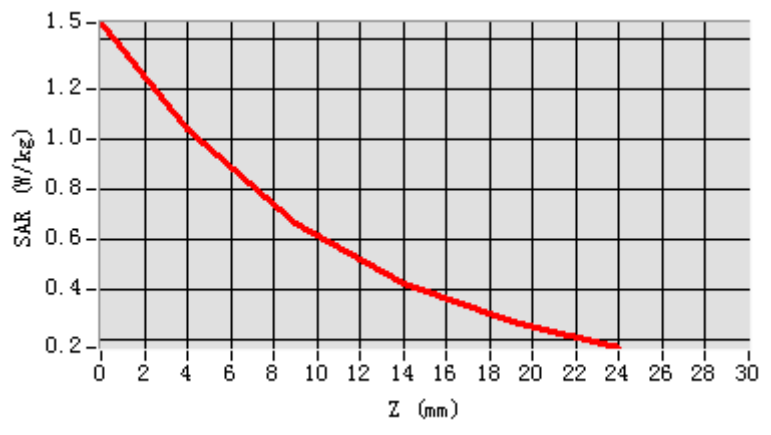


Maximum location: X=-1.00, Y=-13.00

SAR Peak: 1.46 W/kg

SAR 10g (W/Kg)	0.531810
SAR 1g (W/Kg)	0.953416

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.4641	1.0410	0.6701	0.4302	0.2773



Plot 6: WCDMA1900, Right Cheek, Middle

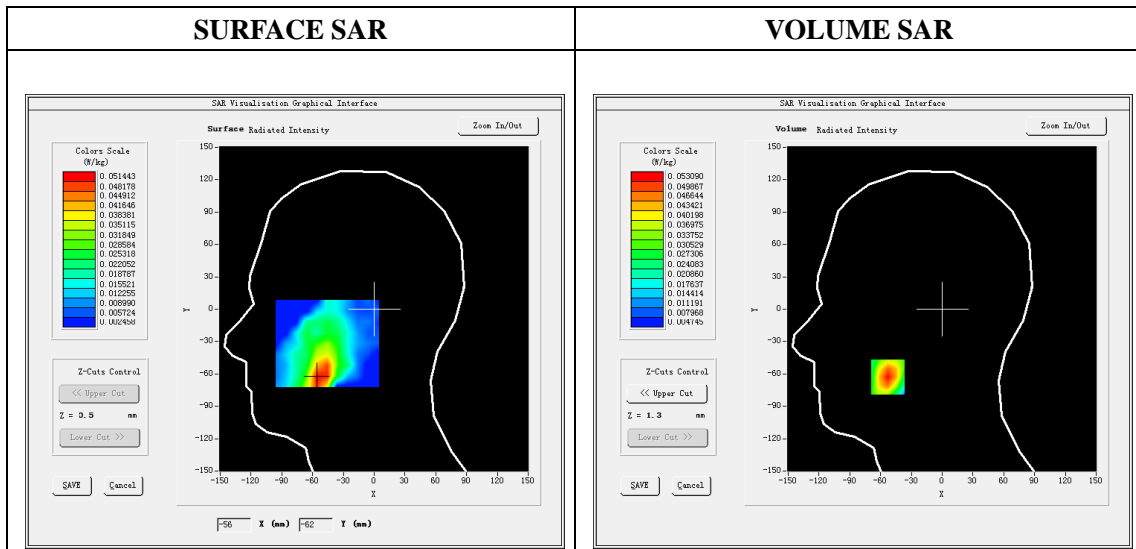
Type: Phone measurement
 Date of measurement: 09/20/2021
 Measurement duration: 22 minutes 05 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Cheek
Band	Band2_WCDMA1900
Channels	9400
Signal	WCDMA (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	1880
Relative permittivity (real part)	40.55
Relative permittivity (imaginary)	13.55
Conductivity (S/m)	1.43
Variation (%)	-4.69
ConvF:	2.20

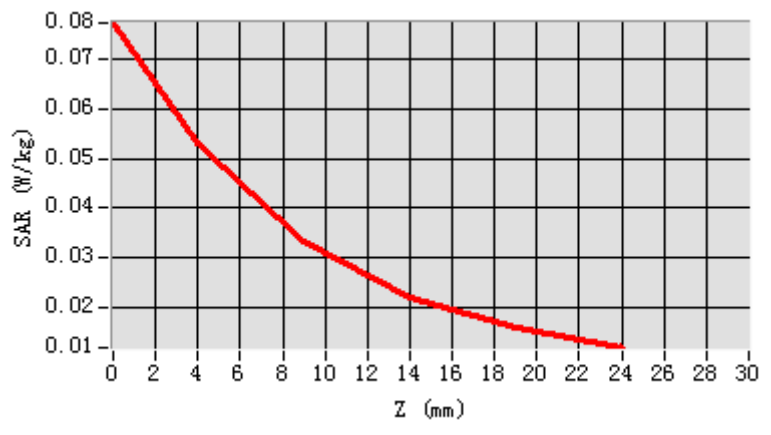


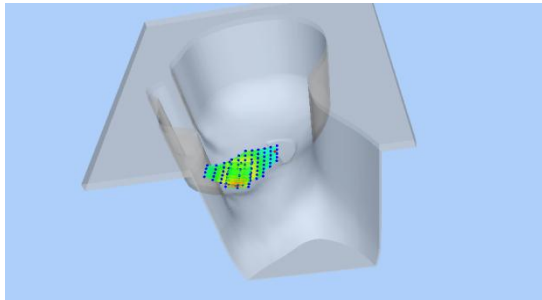
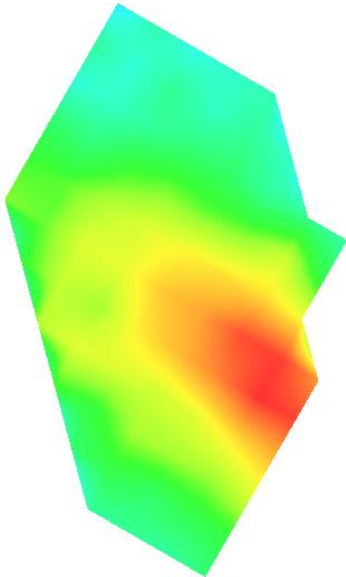
Maximum location: X=-53.00, Y=-63.00

SAR Peak: 0.08W/kg

SAR 10g (W/Kg)	0.030823
SAR 1g (W/Kg)	0.049827

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0771	0.0531	0.0335	0.0222	0.0160



3D screen shot	Hot spot position
	

Plot 7: WCDMA1900, Back, Middle,10mm

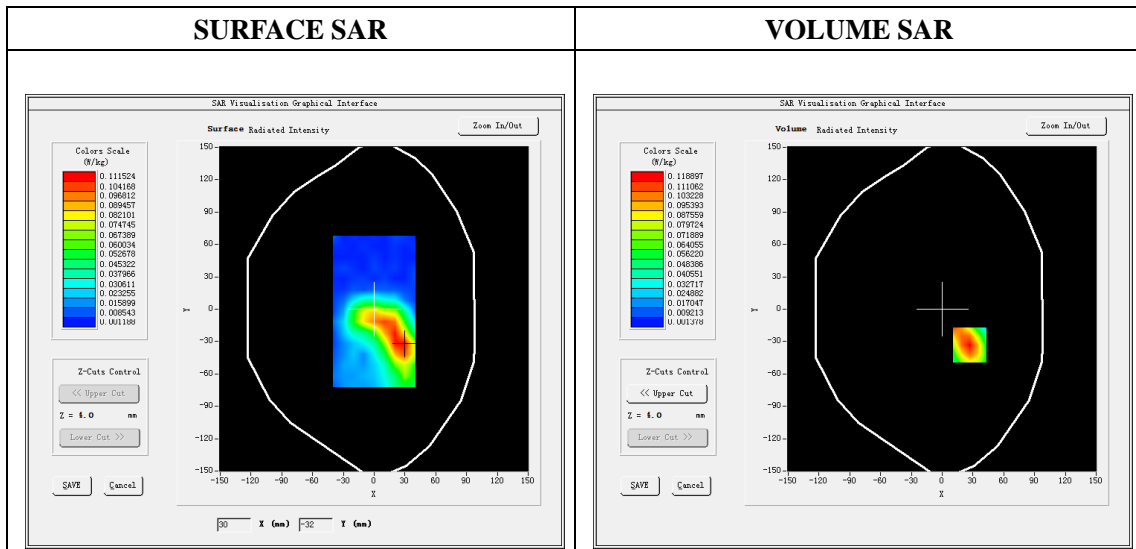
Type: Phone measurement
 Date of measurement: 09/20/2021
 Measurement duration: 22 minutes 07 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	Band2_WCDMA1900
Channels	9400
Signal	WCDMA (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	1880
Relative permittivity (real part)	53.25
Relative permittivity (imaginary)	14.21
Conductivity (S/m)	1.50
Variation (%)	2.65
ConvF:	2.26

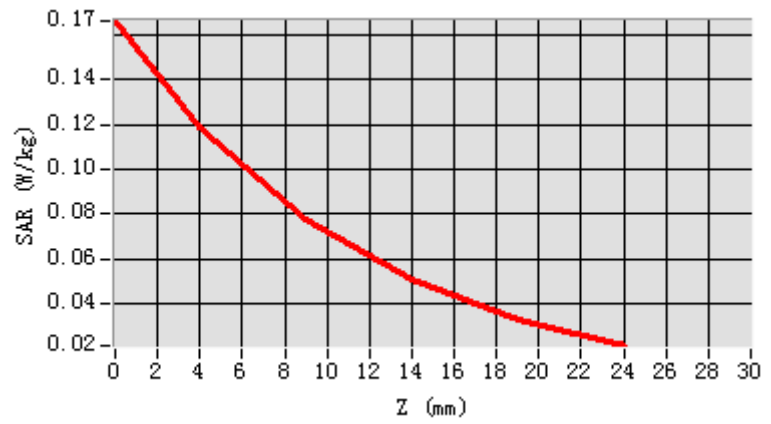


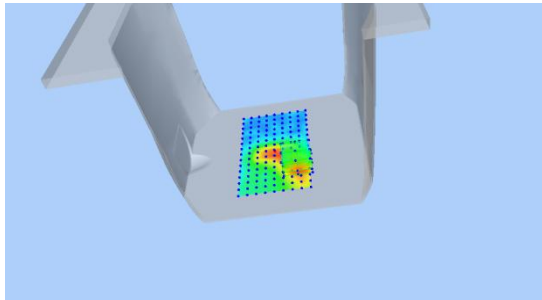
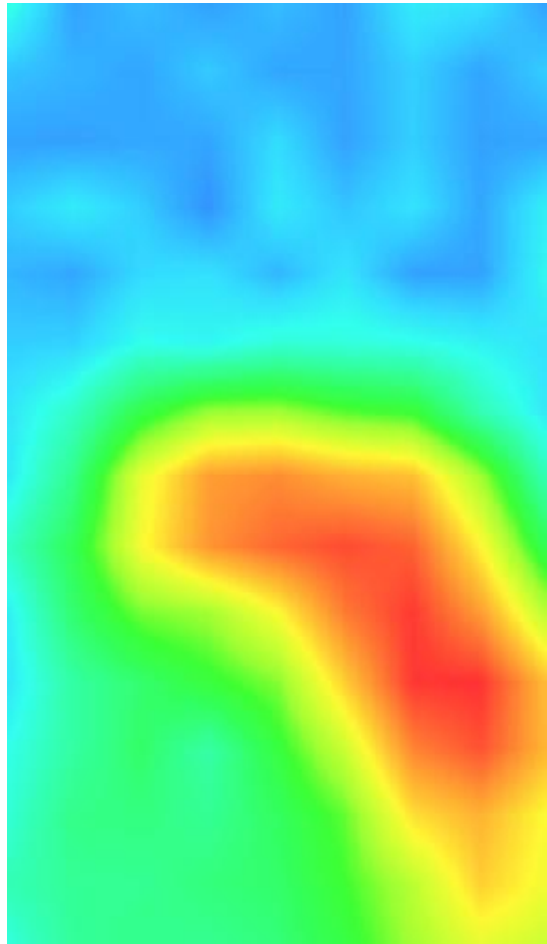
Maximum location: X=27.00, Y=-33.00

SAR Peak: 0.17W/kg

SAR 10g (W/Kg)	0.067339
SAR 1g (W/Kg)	0.112186

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1663	0.1189	0.0773	0.0503	0.0331



3D screen shot	Hot spot position
	

Plot 8: WCDMA1900, Edge C, Middle,10mm

Type: Phone measurement

Date of measurement: 09/20/2021

Measurement duration: 22 minutes 07 seconds

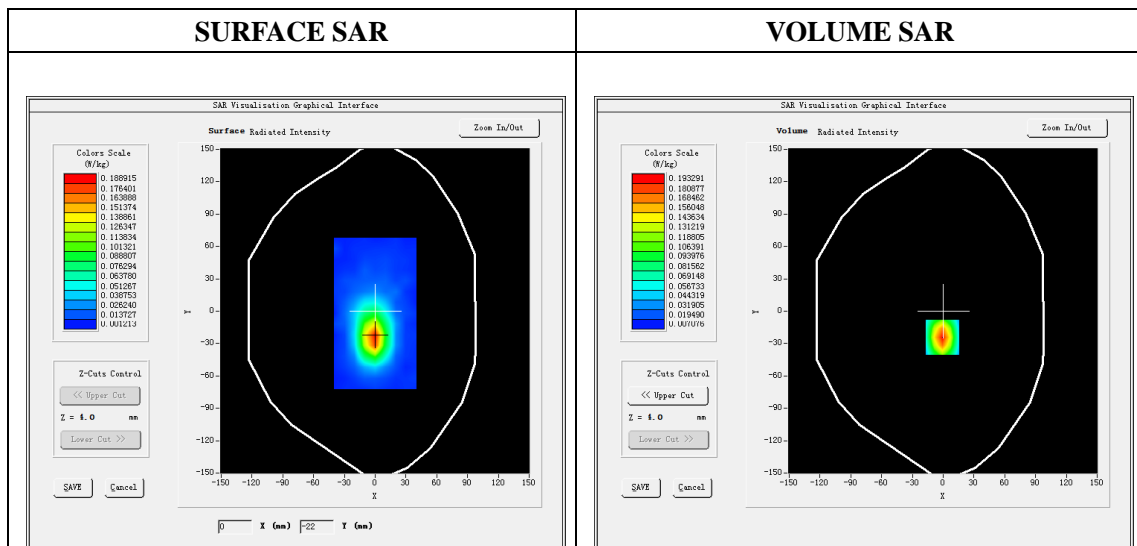
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Edge C
Band	Band2_WCDMA1900
Channels	9400
Signal	WCDMA (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	1880
Relative permittivity (real part)	53.25
Relative permittivity (imaginary)	14.21
Conductivity (S/m)	1.50
Variation (%)	4.41
ConvF:	2.26

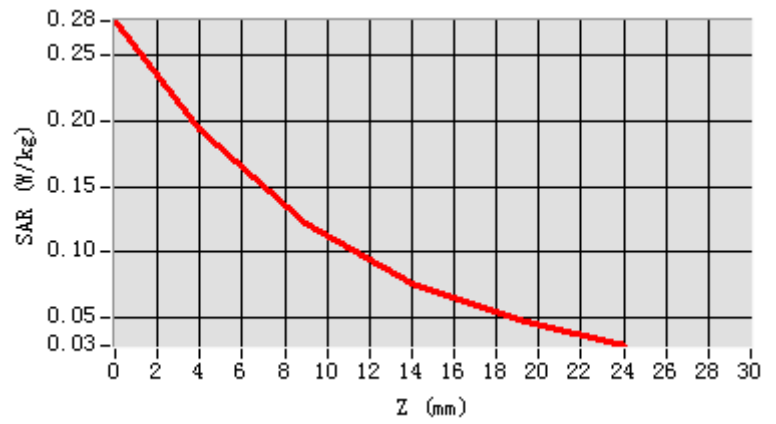


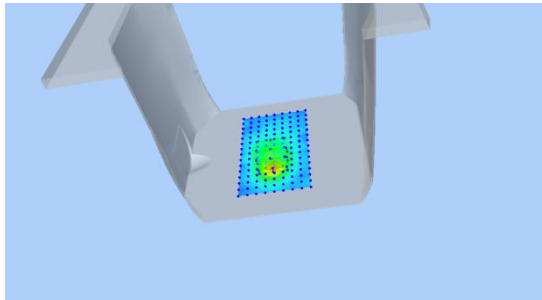
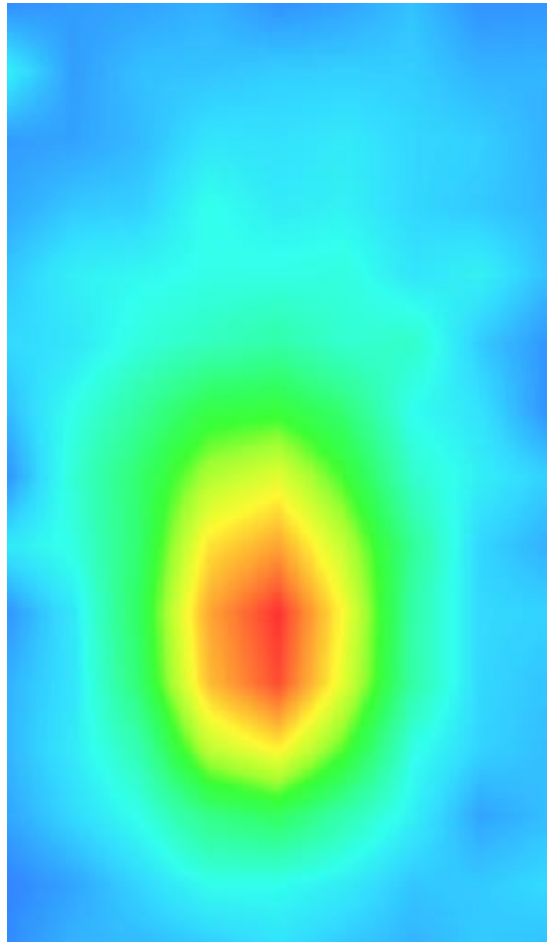
Maximum location: X=-1.00, Y=-24.00

SAR Peak: 0.28W/kg

SAR 10g (W/Kg)	0.096939
SAR 1g (W/Kg)	0.176770

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2760	0.1933	0.1219	0.0765	0.0483



3D screen shot	Hot spot position
	

Plot 9: WCDMA1700, Left Cheek, Middle

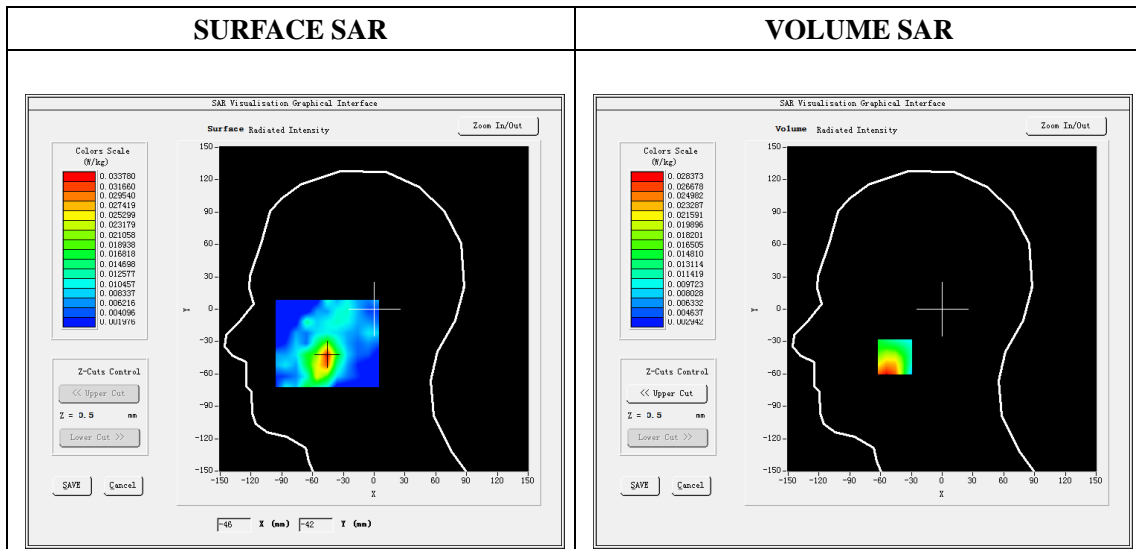
Type: Phone measurement
 Date of measurement: 09/13/2021
 Measurement duration: 22 minutes 06 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Left Cheek
Band	Band2_WCDMA1700
Channels	1413
Signal	WCDMA (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	1732.6
Relative permittivity (real part)	40.48
Relative permittivity (imaginary)	13.90
Conductivity (S/m)	1.39
Variation (%)	-3.21
ConvF:	2.04

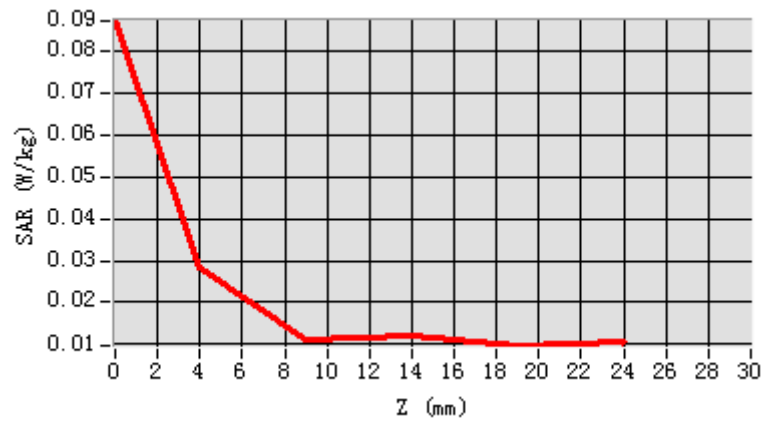


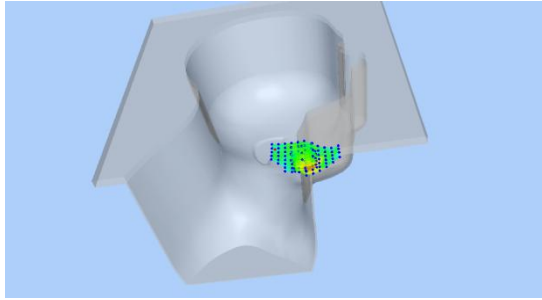
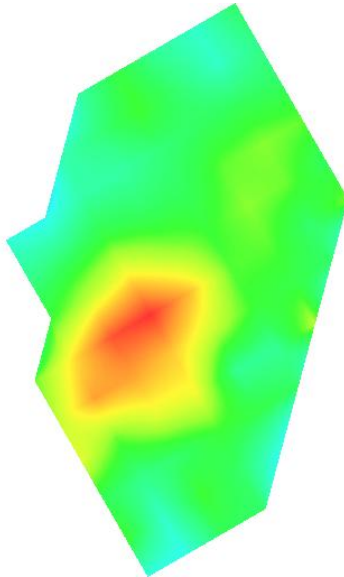
Maximum location: X=-46.00, Y=-44.00

SAR Peak: 0.04W/kg

SAR 10g (W/Kg)	0.017261
SAR 1g (W/Kg)	0.026155

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0873	0.0284	0.0111	0.0119	0.0096



3D screen shot	Hot spot position
	

Plot 10: WCDMA1700, Back, Middle,10mm

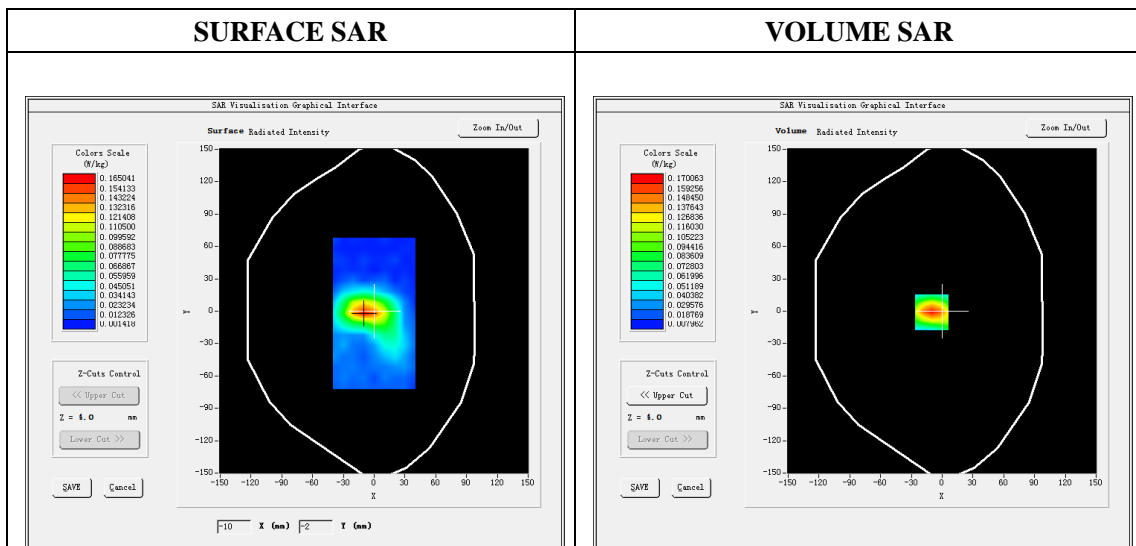
Type: Phone measurement
 Date of measurement: 09/13/2021
 Measurement duration: 22 minutes 09 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	Band2_WCDMA1700
Channels	1413
Signal	WCDMA (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	1732.6
Relative permittivity (real part)	53.27
Relative permittivity (imaginary)	15.10
Conductivity (S/m)	1.51
Variation (%)	-2.83
ConvF:	2.09

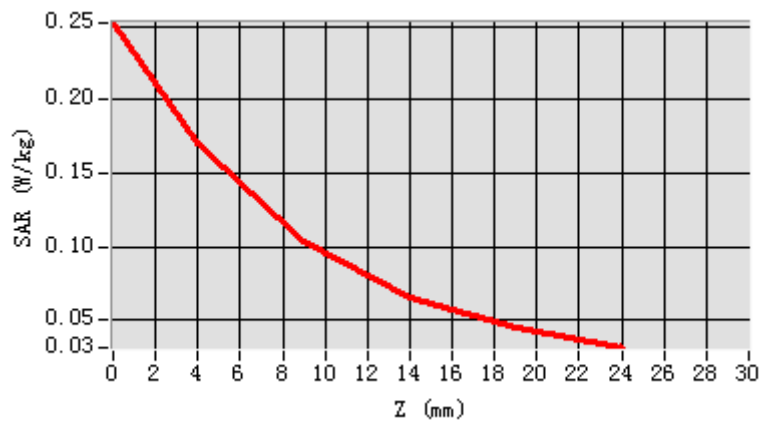


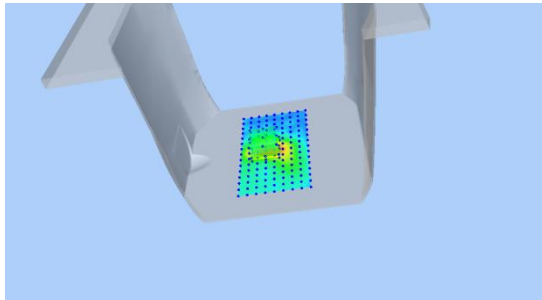
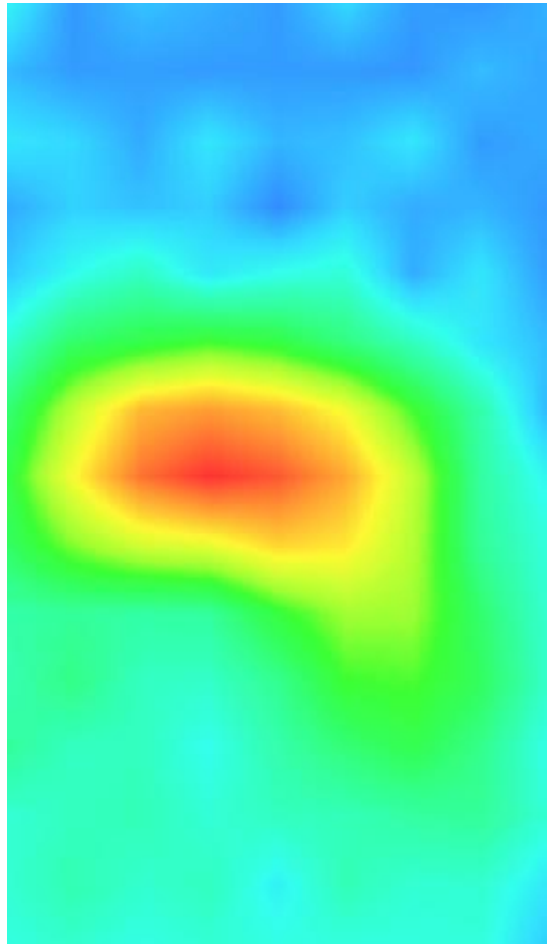
Maximum location: X=-10.00, Y=-1.00

SAR Peak: 0.25W/kg

SAR 10g (W/Kg)	0.091061
SAR 1g (W/Kg)	0.160766

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2521	0.1701	0.1037	0.0657	0.0448



3D screen shot	Hot spot position
	

Plot 11: WCDMA1700, Edge C, Middle,10mm

Type: Phone measurement

Date of measurement: 09/13/2021

Measurement duration: 22 minutes 08 seconds

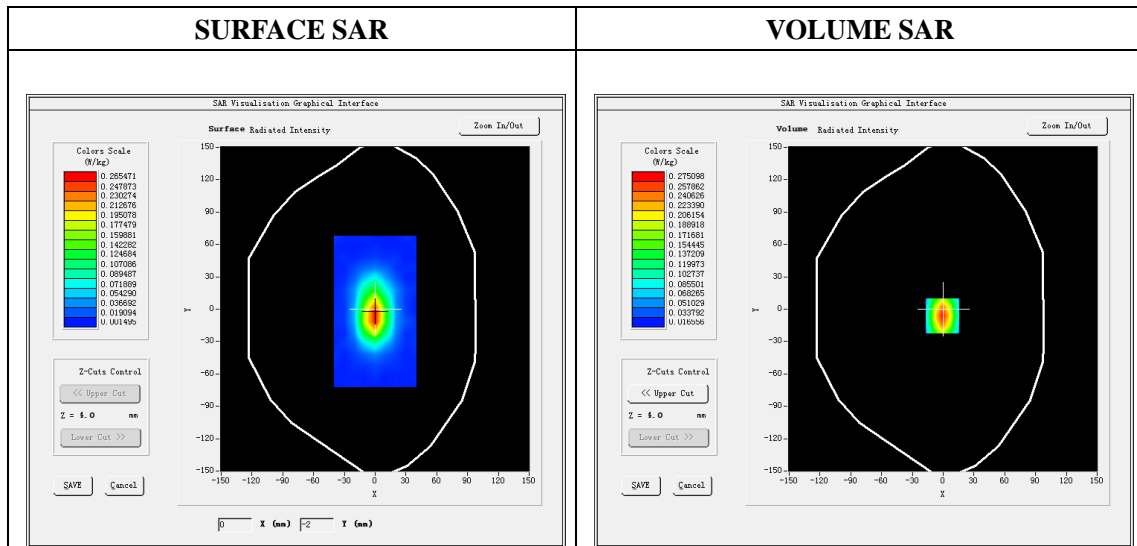
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Edge C
Band	Band2_WCDMA1700
Channels	1413
Signal	WCDMA (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	1732.6
Relative permittivity (real part)	53.27
Relative permittivity (imaginary)	15.10
Conductivity (S/m)	1.51
Variation (%)	-1.08
ConvF:	2.09

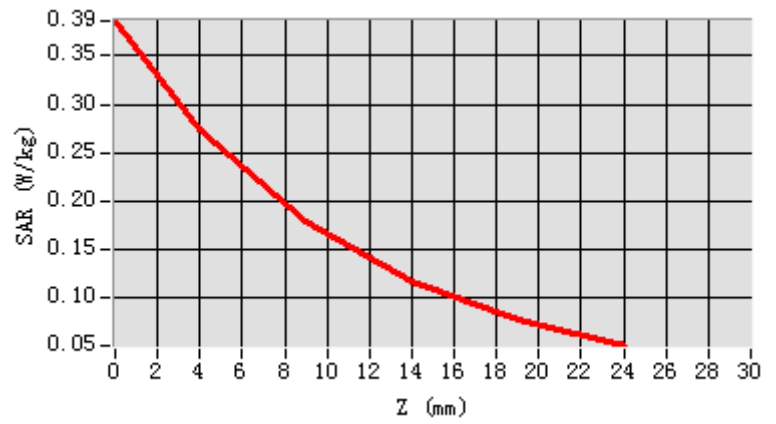


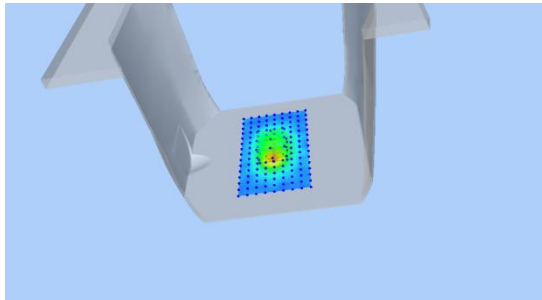
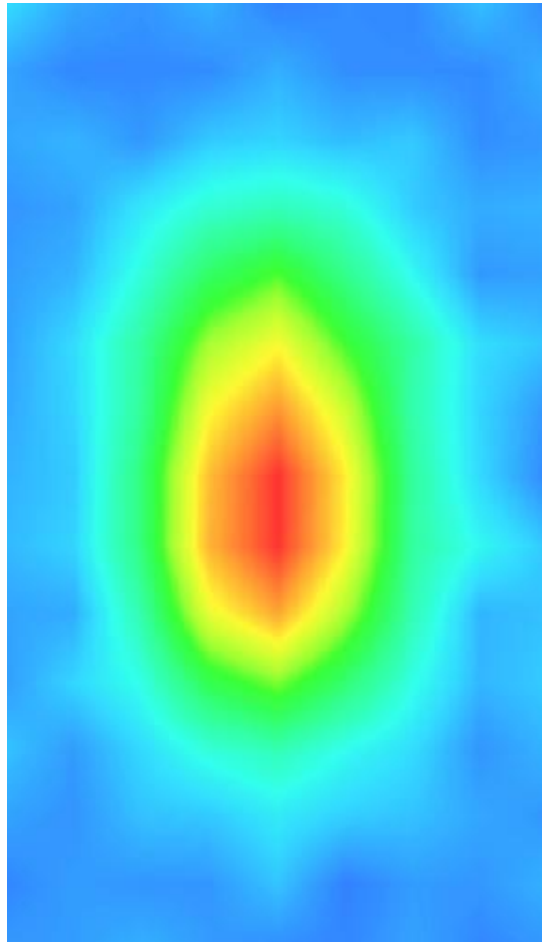
Maximum location: X=-1.00, Y=-6.00

SAR Peak: 0.39W/kg

SAR 10g (W/Kg)	0.146231
SAR 1g (W/Kg)	0.258163

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3857	0.2751	0.1788	0.1172	0.0784



3D screen shot	Hot spot position
	

Plot 12: WCDMA850, Left Cheek, Middle

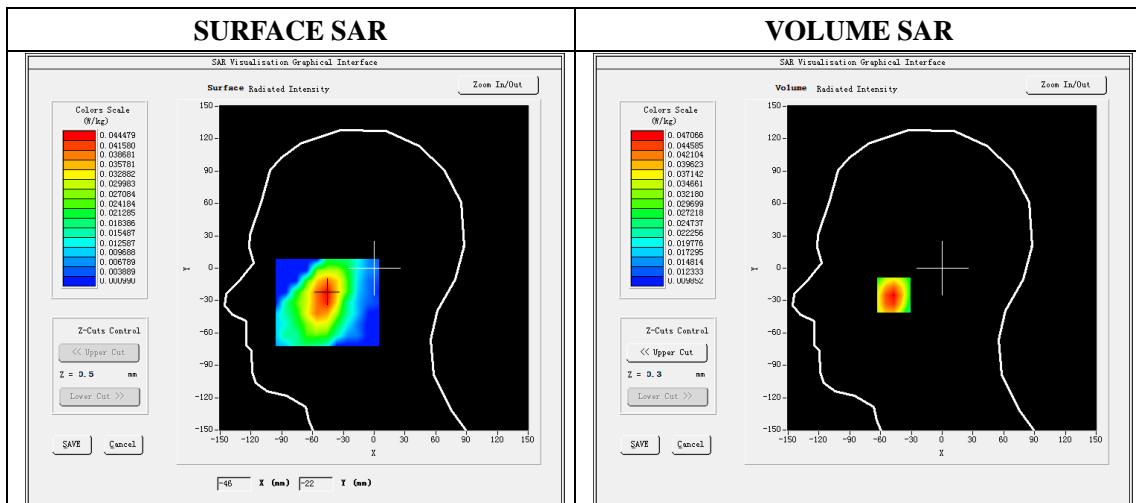
Type: Phone measurement
 Date of measurement: 09/10/2021
 Measurement duration: 22 minutes 10 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Left Cheek
Band	Band5_WCDMA850
Channels	4183
Signal	WCDMA (Duty cycle: 1:1)

B. SAR Measurement Results

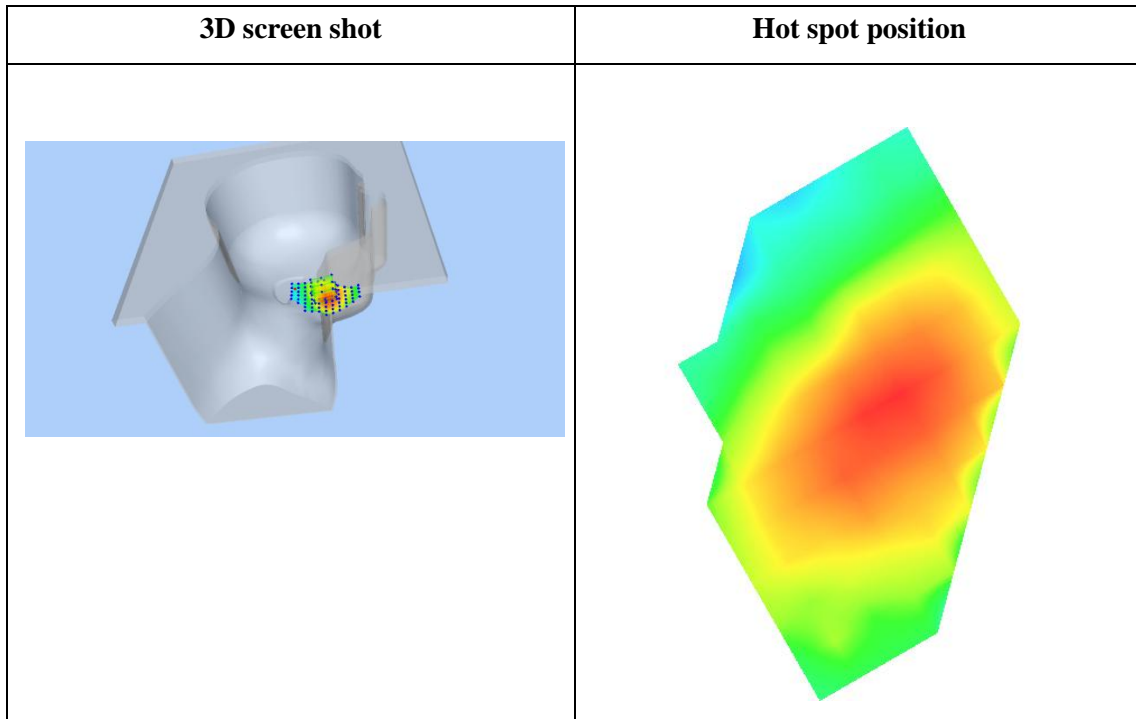
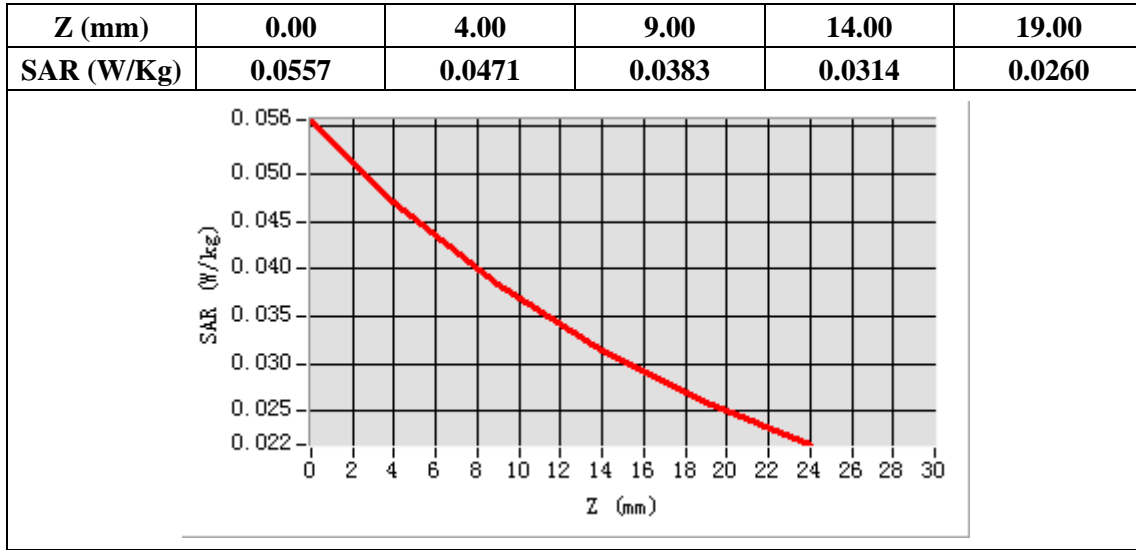
E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	836.6
Relative permittivity (real part)	41.50
Relative permittivity (imaginary)	19.40
Conductivity (S/m)	0.90
Variation (%)	-2.17
ConvF:	1.86



Maximum location: X=-47.00, Y=-25.00

SAR Peak: 0.06W/kg

SAR 10g (W/Kg)	0.033975
SAR 1g (W/Kg)	0.045444



Plot 13: WCDMA850, Face, Middle,10mm

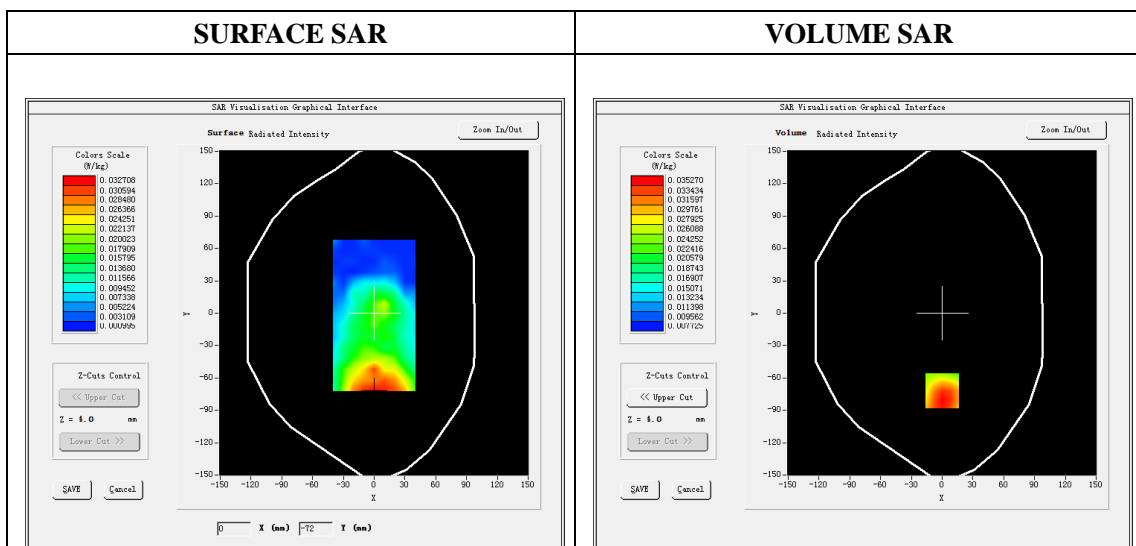
Type: Phone measurement
 Date of measurement: 09/10/2021
 Measurement duration: 22 minutes 12 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Face
Band	Band5_WCDMA850
Channels	4183
Signal	WCDMA (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	836.6
Relative permittivity (real part)	55.18
Relative permittivity (imaginary)	20.69
Conductivity (S/m)	0.96
Variation (%)	-2.41
ConvF:	1.90

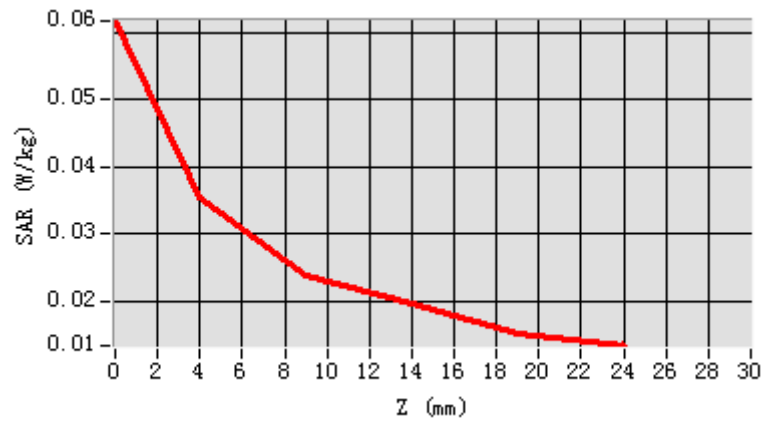


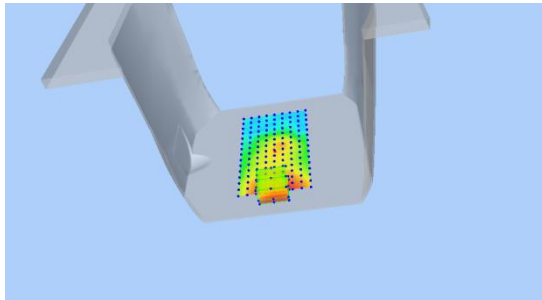
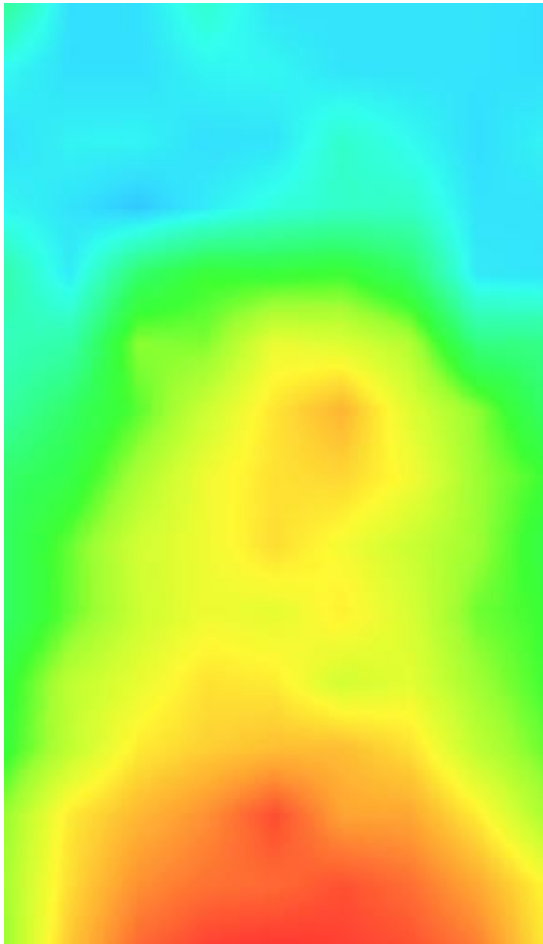
Maximum location: X=0.00, Y=-72.00

SAR Peak: 0.05W/kg

SAR 10g (W/Kg)	0.024632
SAR 1g (W/Kg)	0.034077

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0617	0.0353	0.0237	0.0196	0.0151



3D screen shot	Hot spot position
	

Plot 14: WCDMA850, Edge B, Middle,10mm

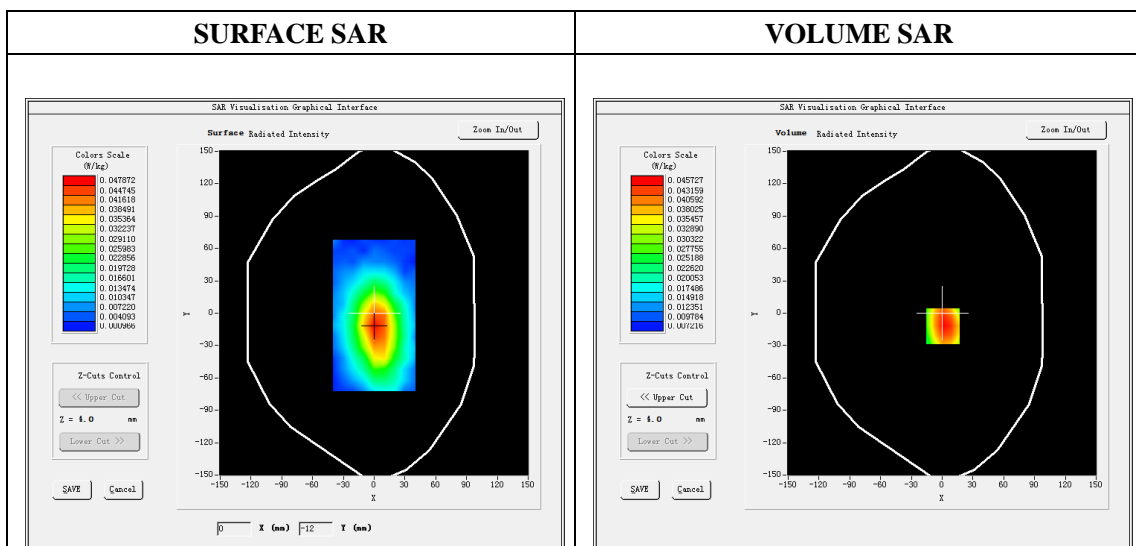
Type: Phone measurement
 Date of measurement: 09/10/2021
 Measurement duration: 22 minutes 13 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Edge B
Band	Band5_WCDMA850
Channels	4183
Signal	WCDMA (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	836.6
Relative permittivity (real part)	55.18
Relative permittivity (imaginary)	20.69
Conductivity (S/m)	0.96
Variation (%)	-2.73
ConvF:	1.90

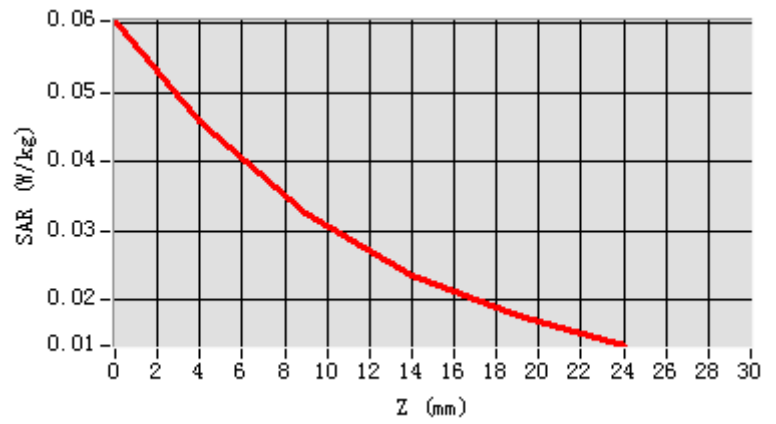


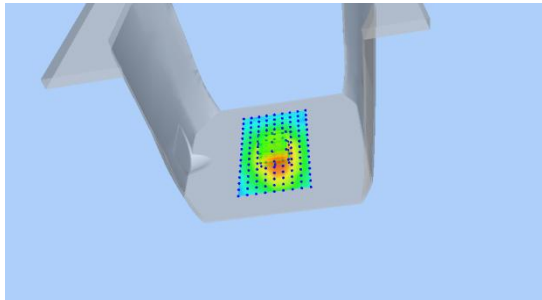
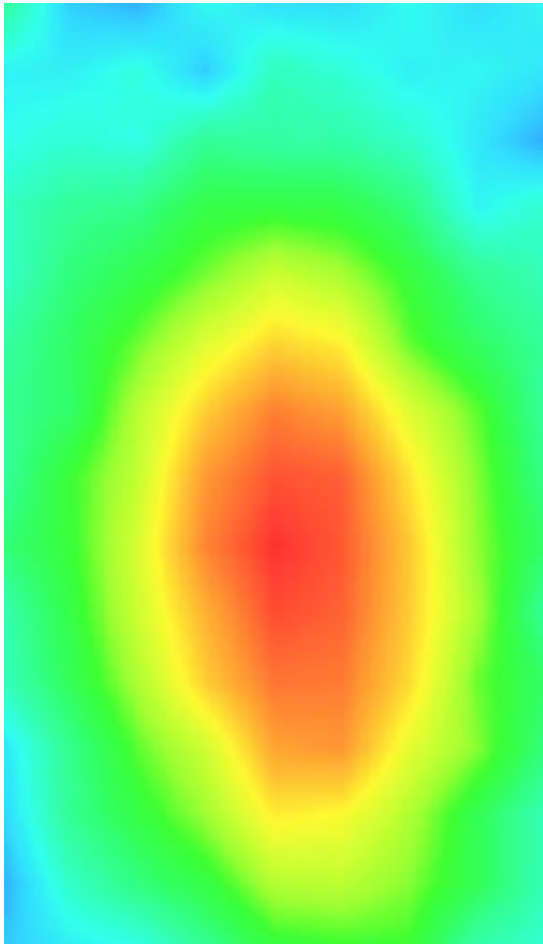
Maximum location: X=1.00, Y=-12.00

SAR Peak: 0.06W/kg

SAR 10g (W/Kg)	0.030243
SAR 1g (W/Kg)	0.043969

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0603	0.0457	0.0325	0.0237	0.0178



3D screen shot	Hot spot position
	

Plot 15: LTE Band2, 20MHz, Right Cheek, Middle

Type: Phone measurement

Date of measurement: 09/20/2021

Measurement duration: 22 minutes 11 seconds

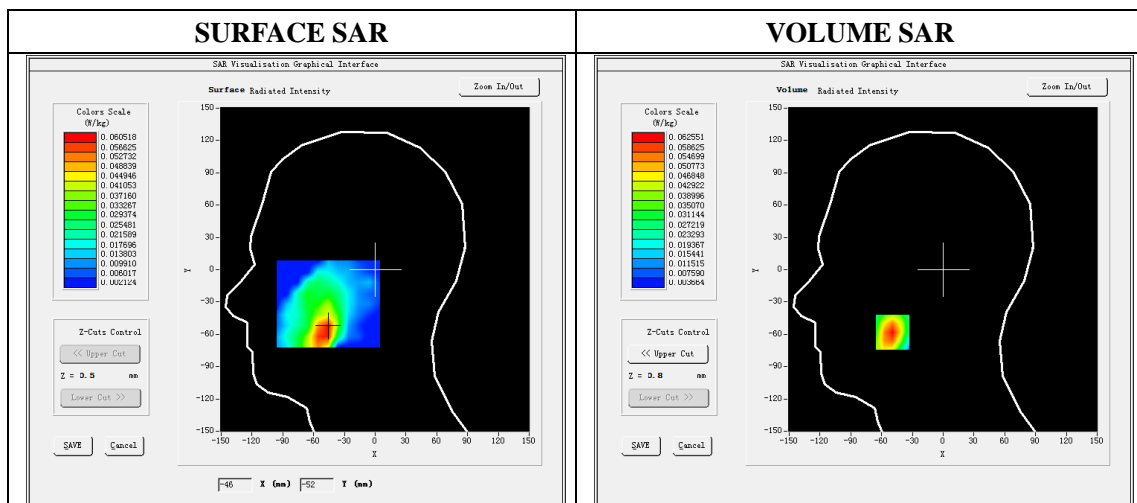
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	1880
Relative permittivity (real part)	40.55
Relative permittivity (imaginary)	13.55
Conductivity (S/m)	1.43
Variation (%)	-3.98
ConvF:	2.20

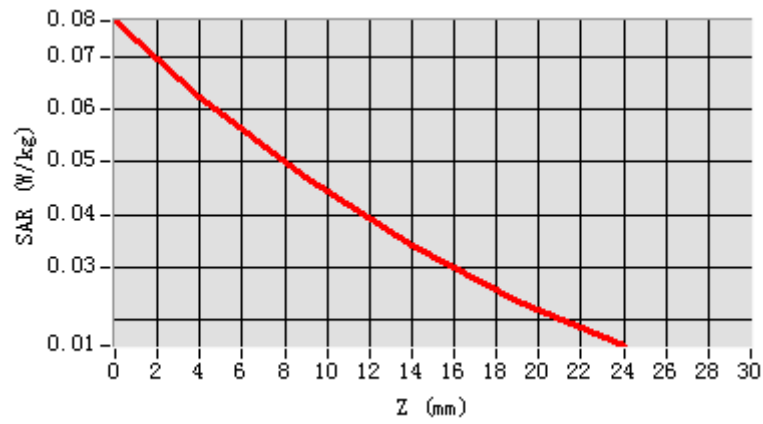


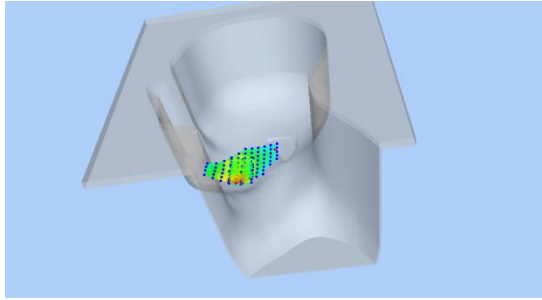
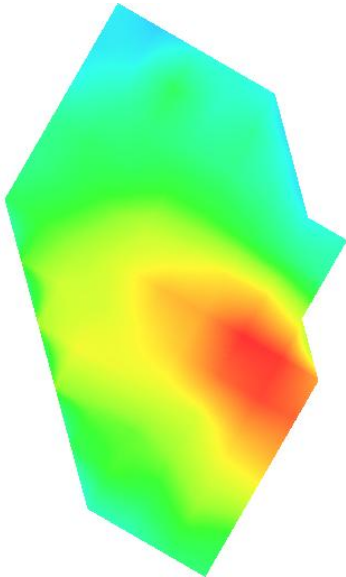
Maximum location: X=-49.00, Y=-58.00

SAR Peak: 0.08 W/kg

SAR 10g (W/Kg)	0.038801
SAR 1g (W/Kg)	0.059066

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0771	0.0626	0.0469	0.0340	0.0234



3D screen shot	Hot spot position
	

Plot 16: LTE Band2, 20MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 09/20/2021

Measurement duration: 22 minutes 14 seconds

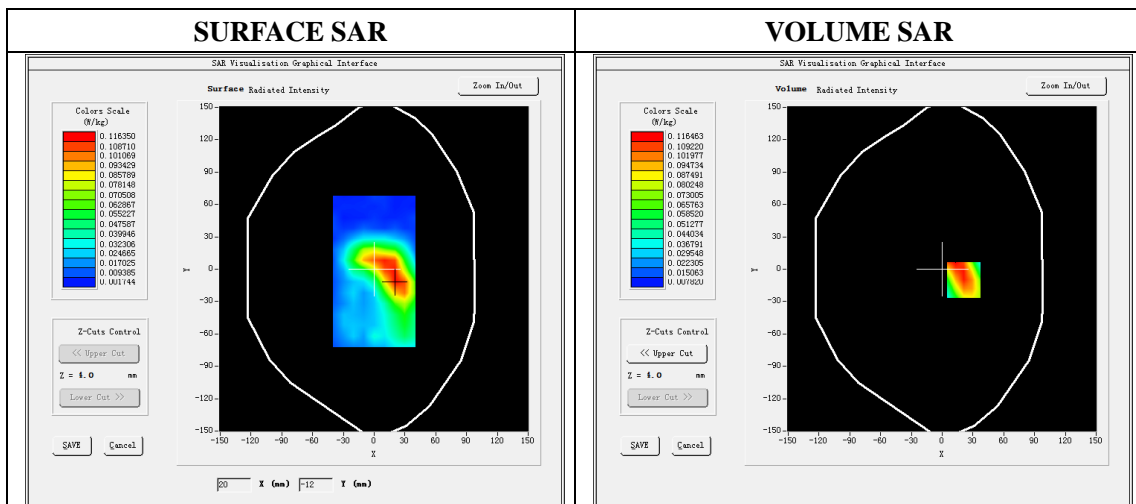
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

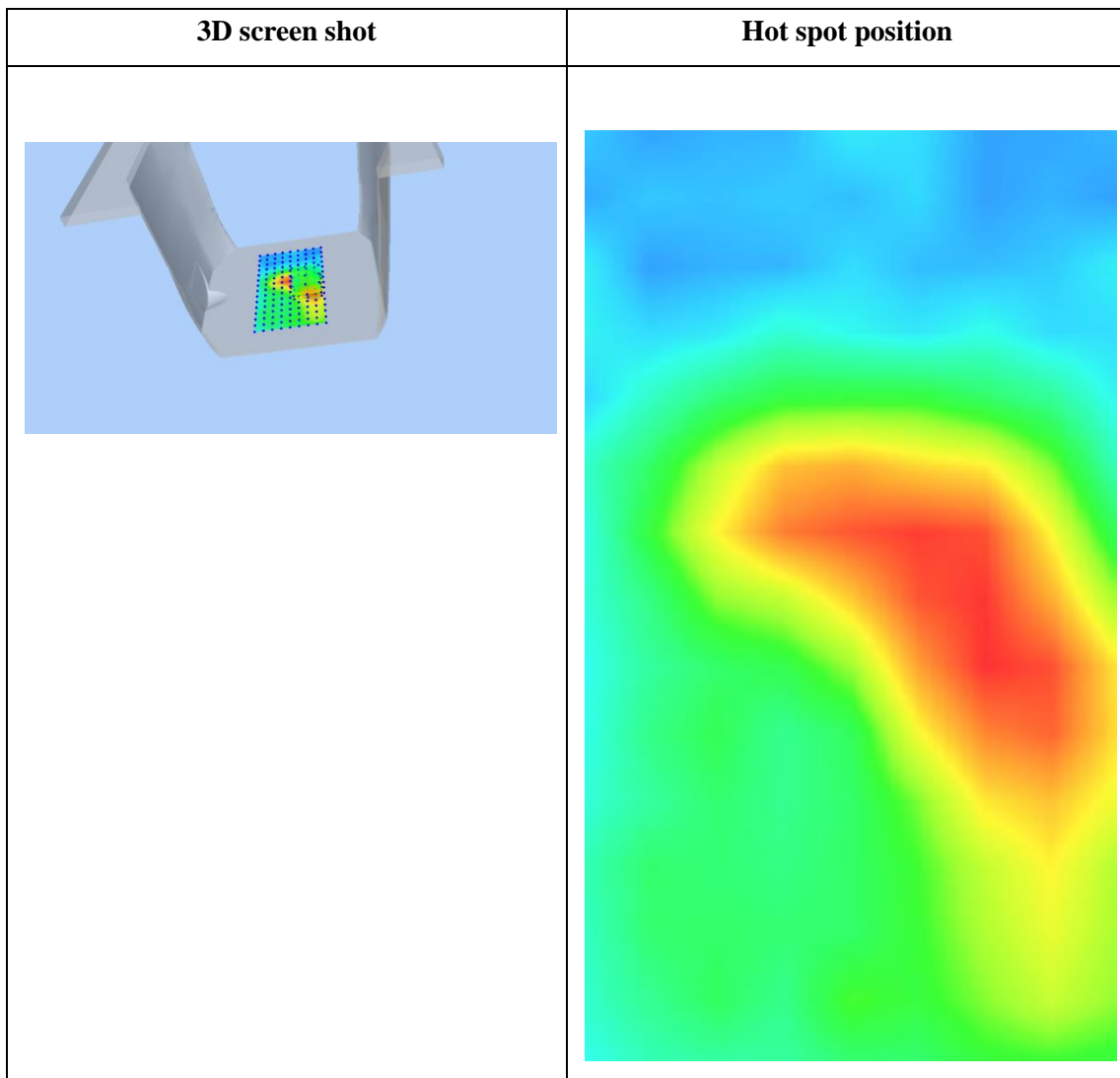
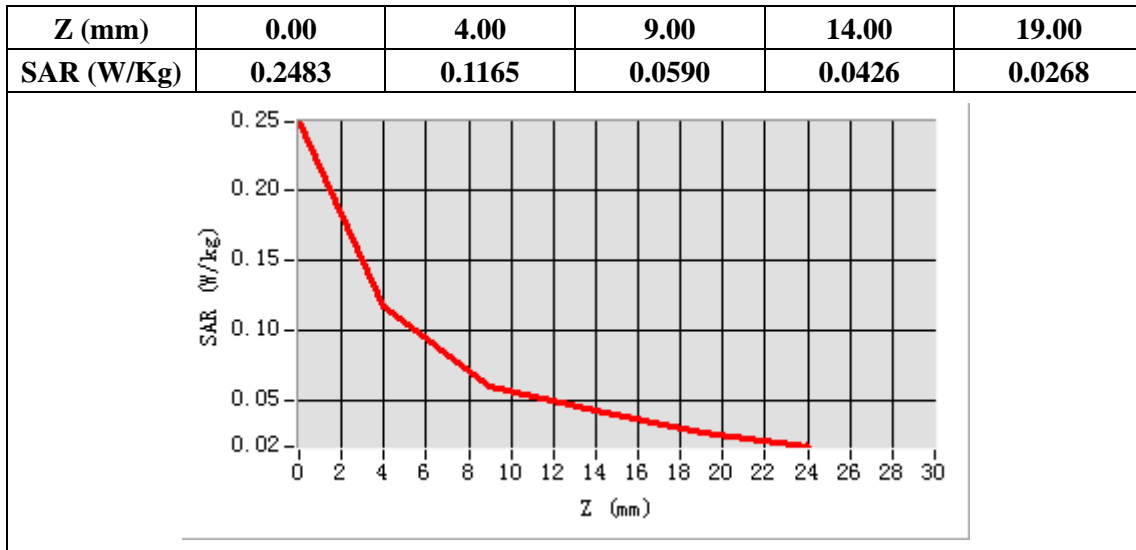
E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	1880
Relative permittivity (real part)	53.25
Relative permittivity (imaginary)	14.21
Conductivity (S/m)	1.50
Variation (%)	-2.51
ConvF:	2.26



Maximum location: X=21.00, Y=-10.00

SAR Peak: 0.17W/kg

SAR 10g (W/Kg)	0.066756
SAR 1g (W/Kg)	0.110744



Plot 17: LTE Band2, 20MHz, Edge C, Middle,10mm

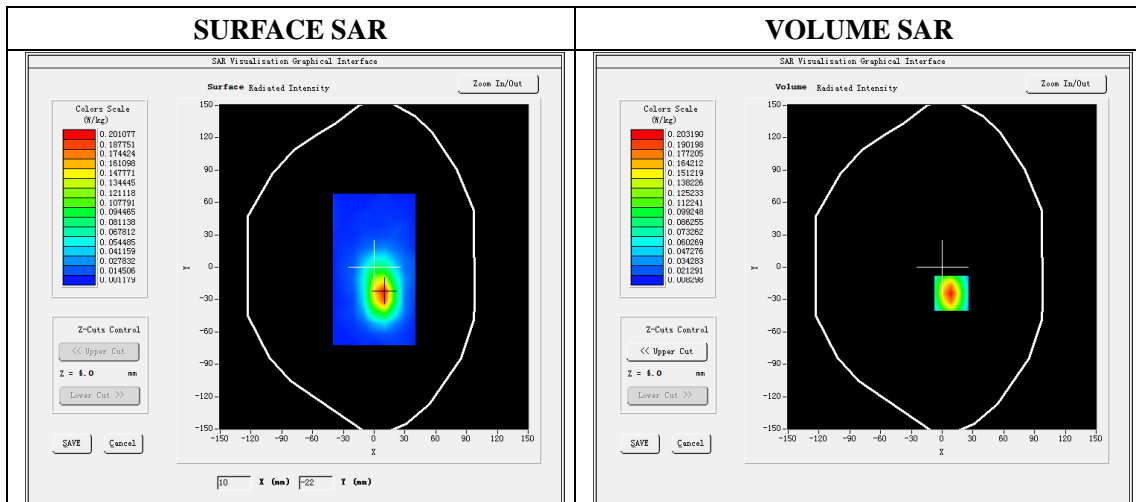
Type: Phone measurement
 Date of measurement: 09/20/2021
 Measurement duration: 22 minutes 17 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

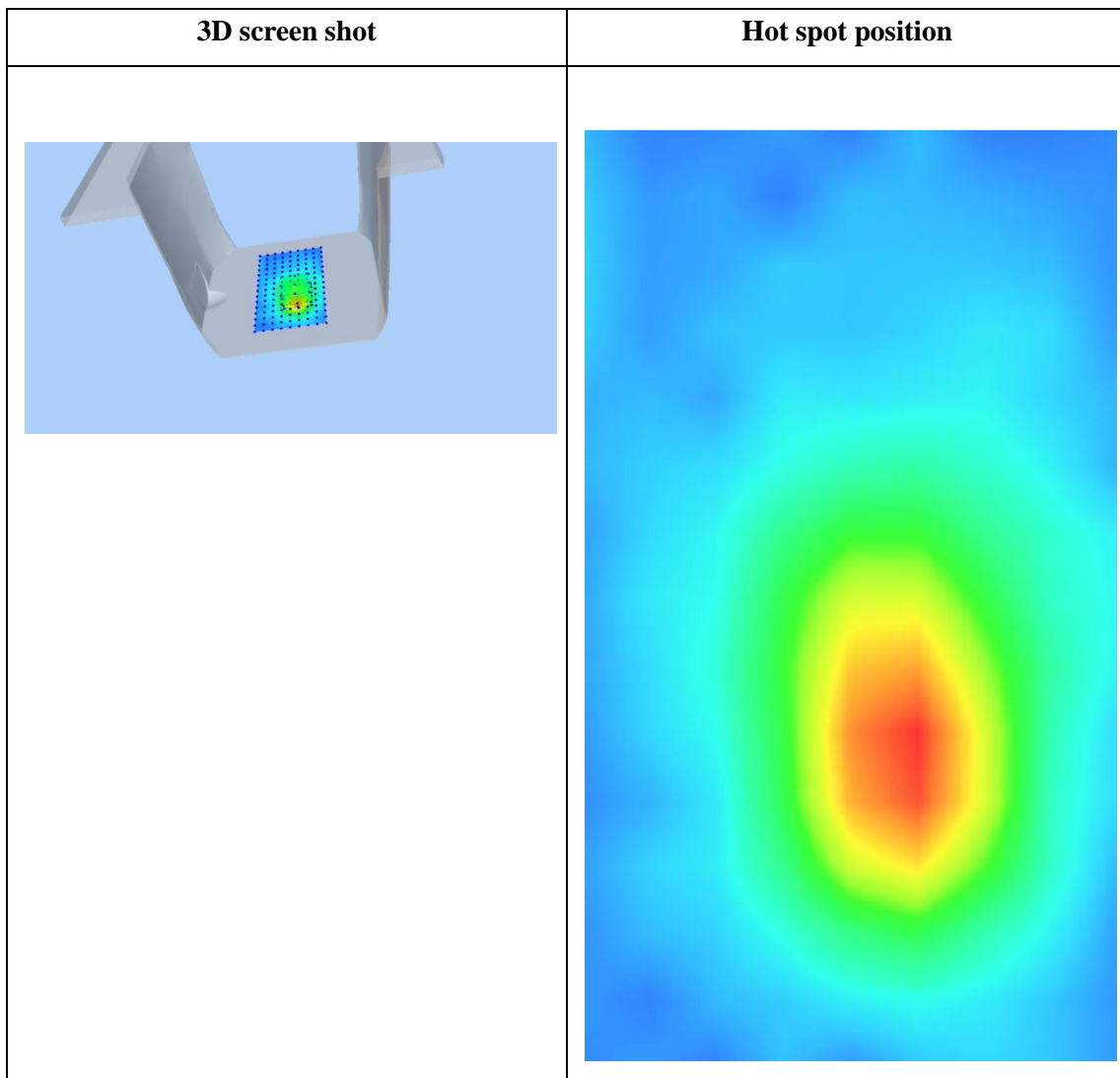
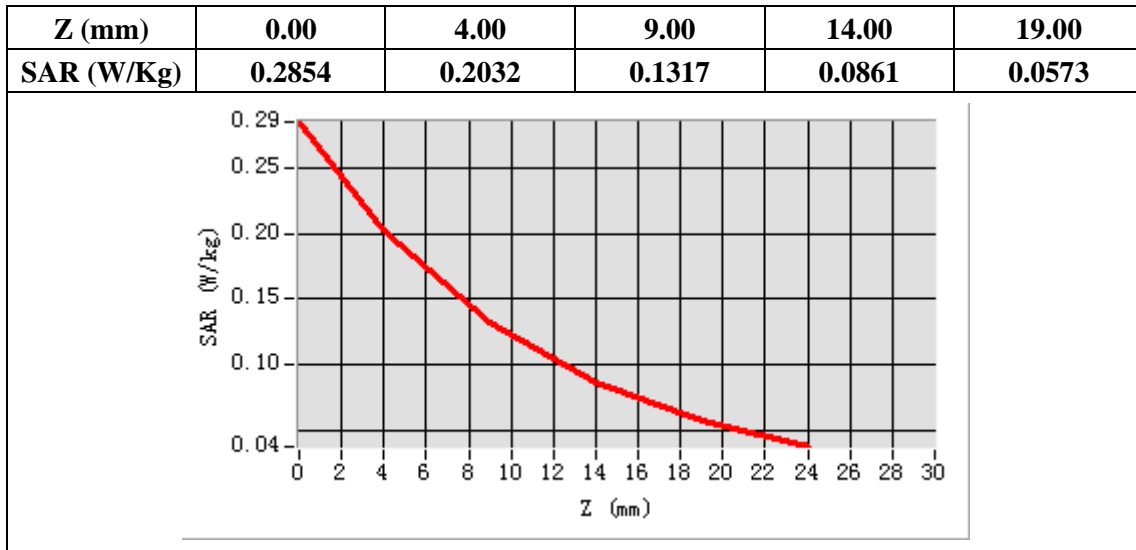
E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	1880
Relative permittivity (real part)	53.25
Relative permittivity (imaginary)	14.21
Conductivity (S/m)	1.50
Variation (%)	-2.66
ConvF:	2.26



Maximum location: X=9.00, Y=-24.00

SAR Peak:0.29W/kg

SAR 10g (W/Kg)	0.105521
SAR 1g (W/Kg)	0.187733



Plot 18: LTE Band4, 20MHz, Left Cheek, Middle

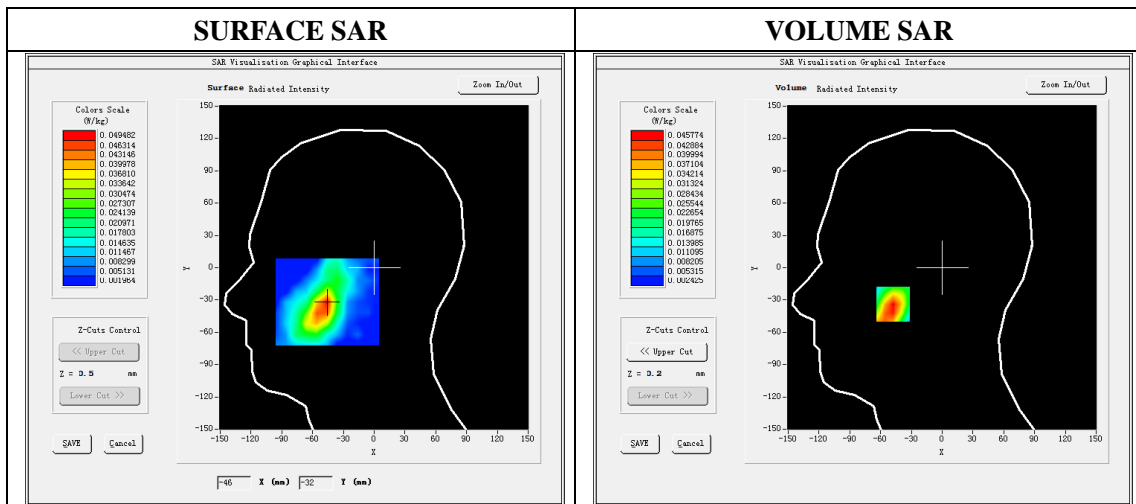
Type: Phone measurement
 Date of measurement: 09/13/2021
 Measurement duration: 22 minutes 15 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	1732.5
Relative permittivity (real part)	40.48
Relative permittivity (imaginary)	13.90
Conductivity (S/m)	1.39
Variation (%)	-3.99
ConvF:	2.04

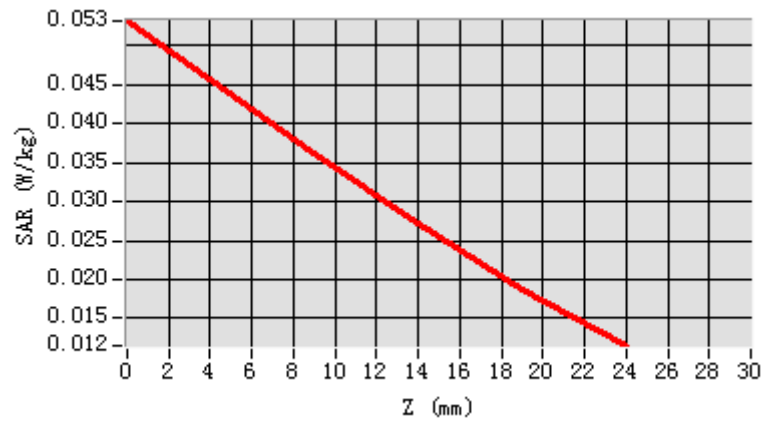


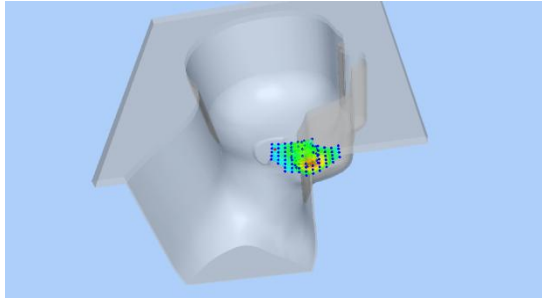
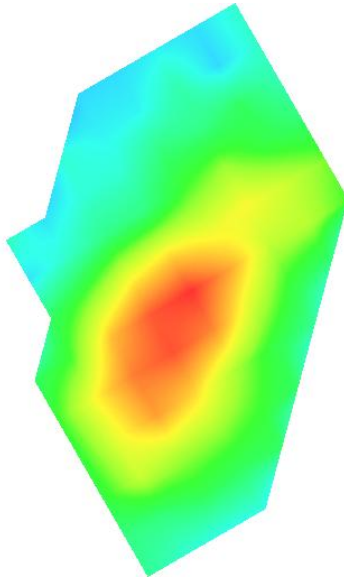
Maximum location: X=-48.00, Y=-34.00

SAR Peak: 0.06 W/kg

SAR 10g (W/Kg)	0.028803
SAR 1g (W/Kg)	0.045278

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0532	0.0458	0.0363	0.0271	0.0186



3D screen shot	Hot spot position
	

Plot 19: LTE Band4, 20MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 09/13/2021

Measurement duration: 22 minutes 18 seconds

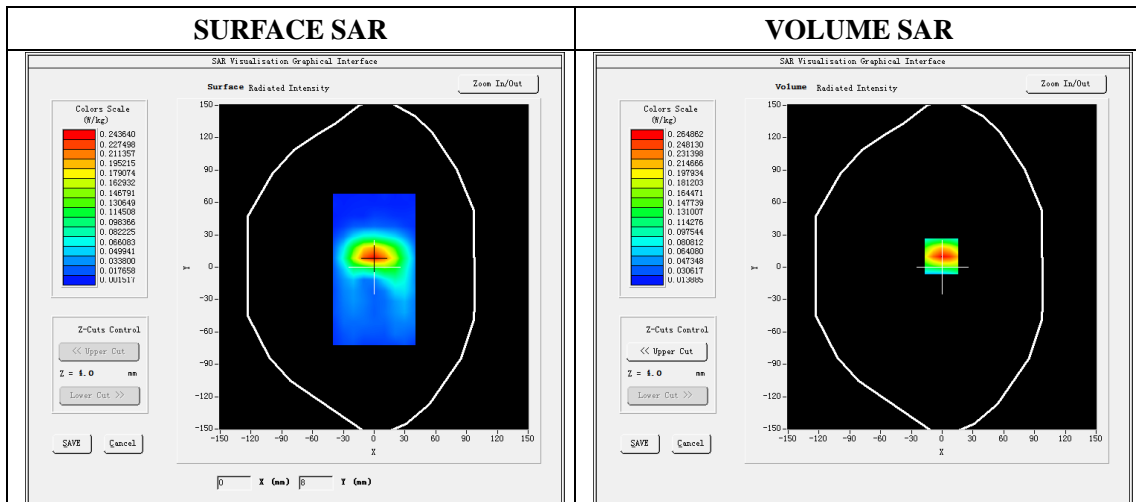
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

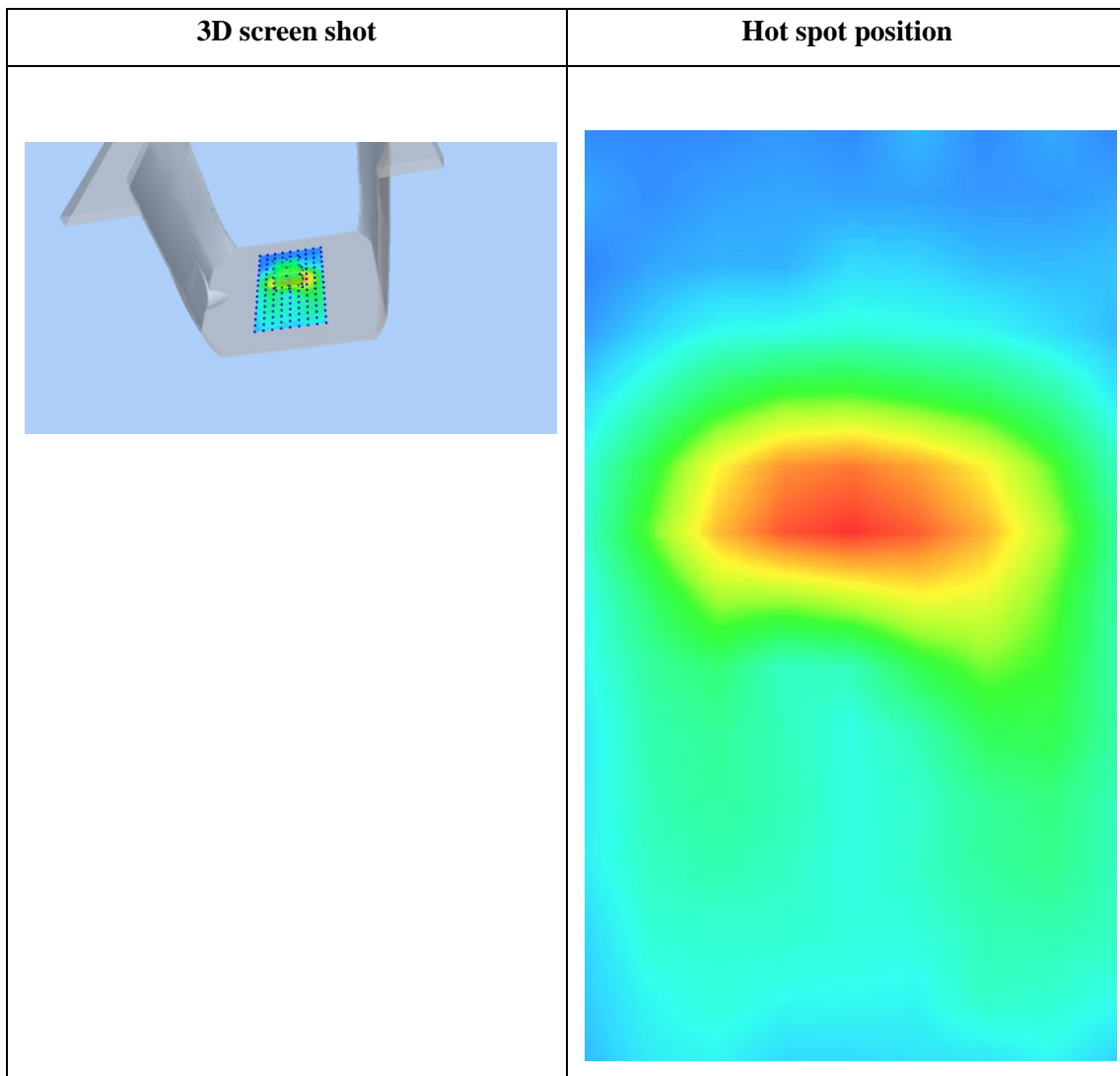
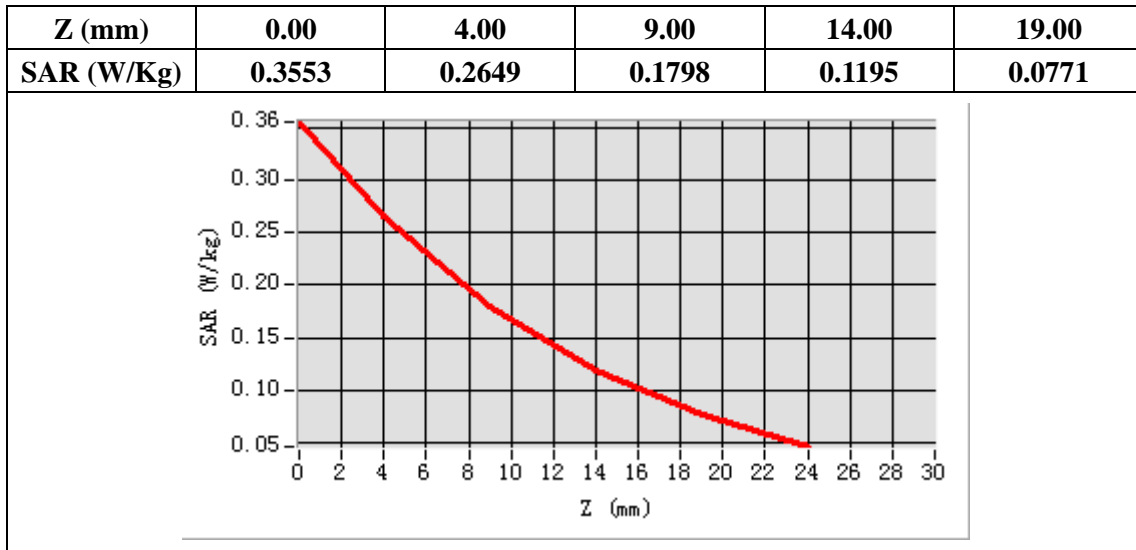
E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	1732.5
Relative permittivity (real part)	53.27
Relative permittivity (imaginary)	15.10
Conductivity (S/m)	1.51
Variation (%)	-0.52
ConvF:	2.09



Maximum location: X=-1.00, Y=10.00

SAR Peak: 0.36W/kg

SAR 10g (W/Kg)	0.146864
SAR 1g (W/Kg)	0.251258



Plot 20: LTE Band4, 20MHz, Edge C, Middle,10mm

Type: Phone measurement

Date of measurement: 09/13/2021

Measurement duration: 22 minutes 19 seconds

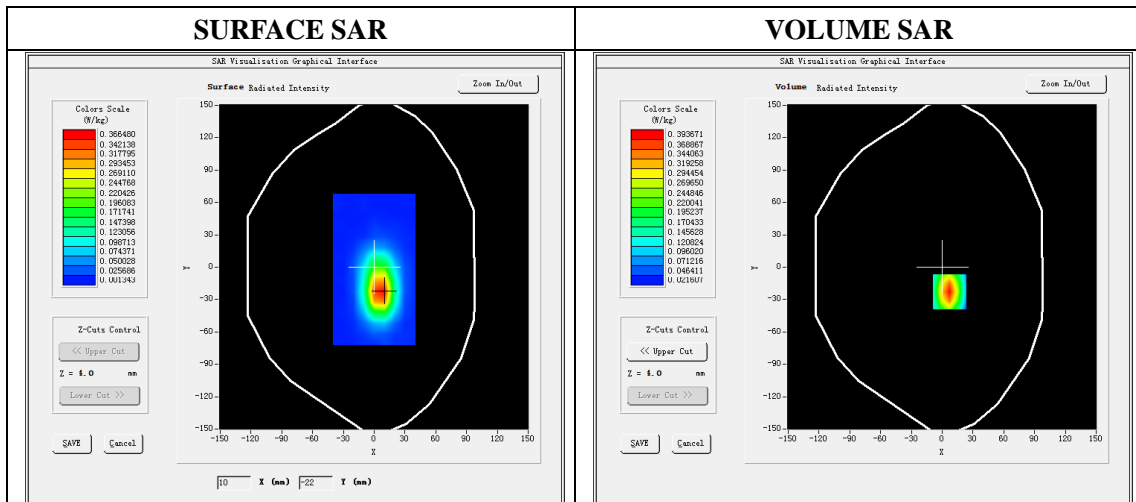
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

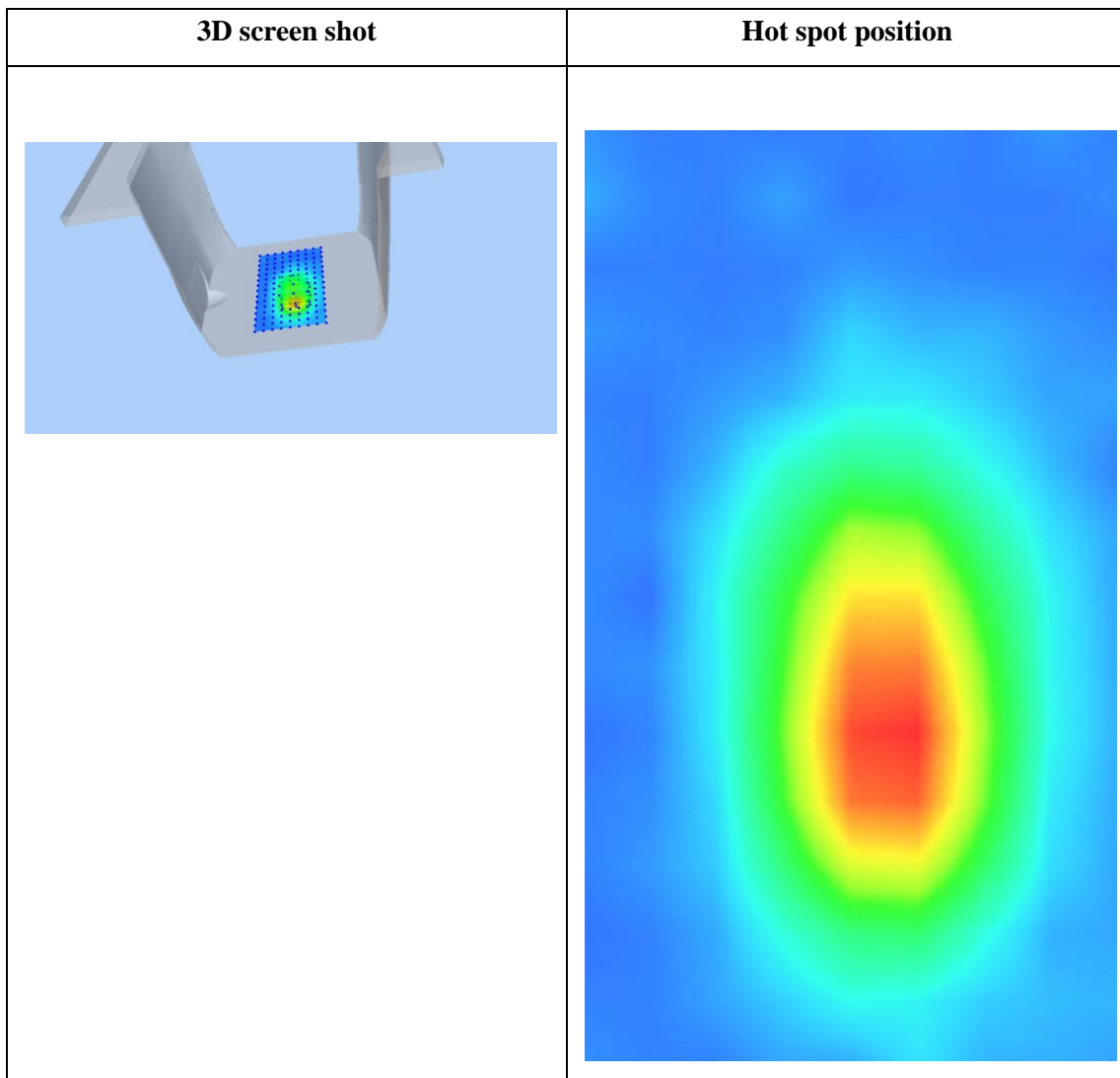
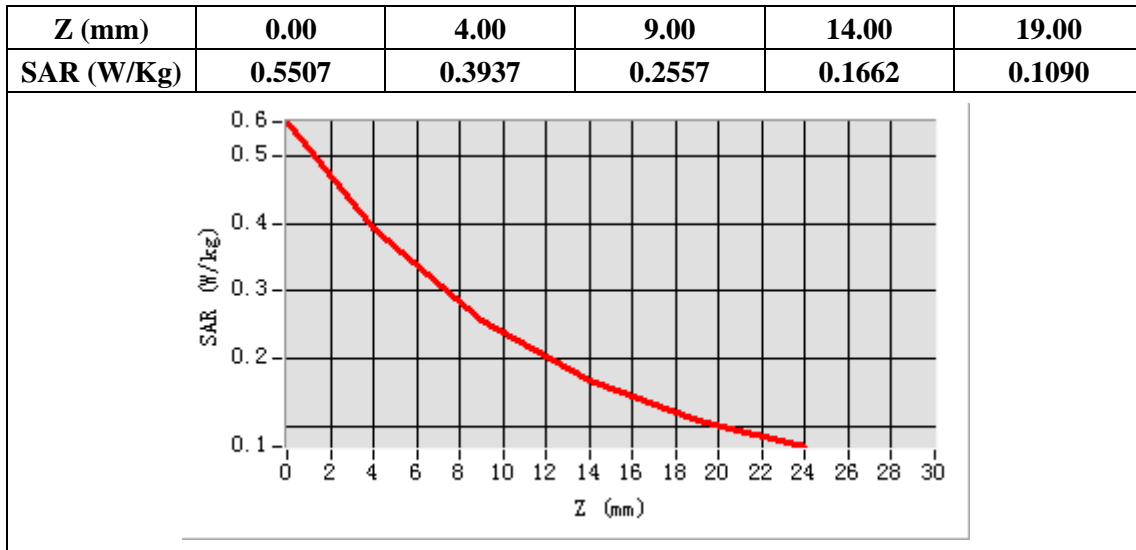
E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	1732.5
Relative permittivity (real part)	53.27
Relative permittivity (imaginary)	15.10
Conductivity (S/m)	1.51
Variation (%)	-4.30
ConvF:	2.09



Maximum location: X=7.00, Y=-23.00

SAR Peak: 0.55W/kg

SAR 10g (W/Kg)	0.208320
SAR 1g (W/Kg)	0.370004



Plot 21: LTE Band5, 10MHz, Left Cheek, Middle

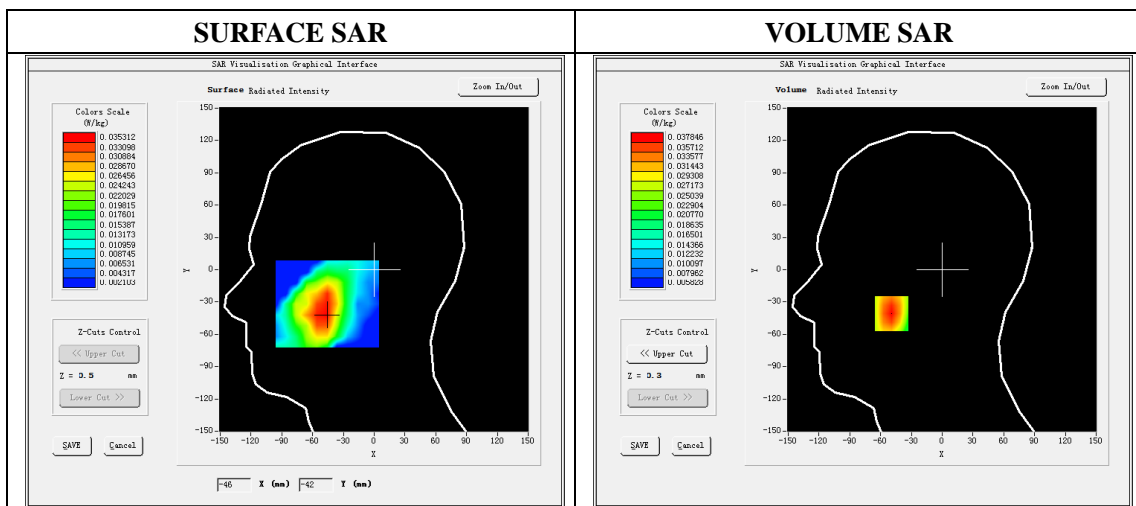
Type: Phone measurement
 Date of measurement: 09/10/2021
 Measurement duration: 22 minutes 16 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

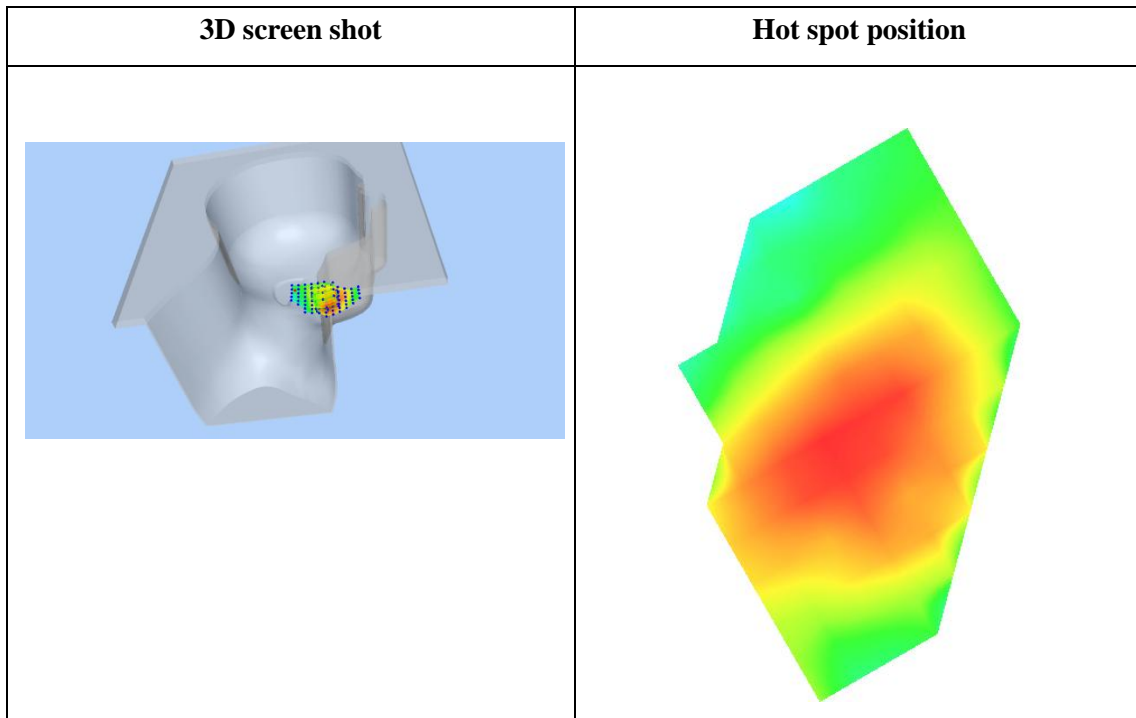
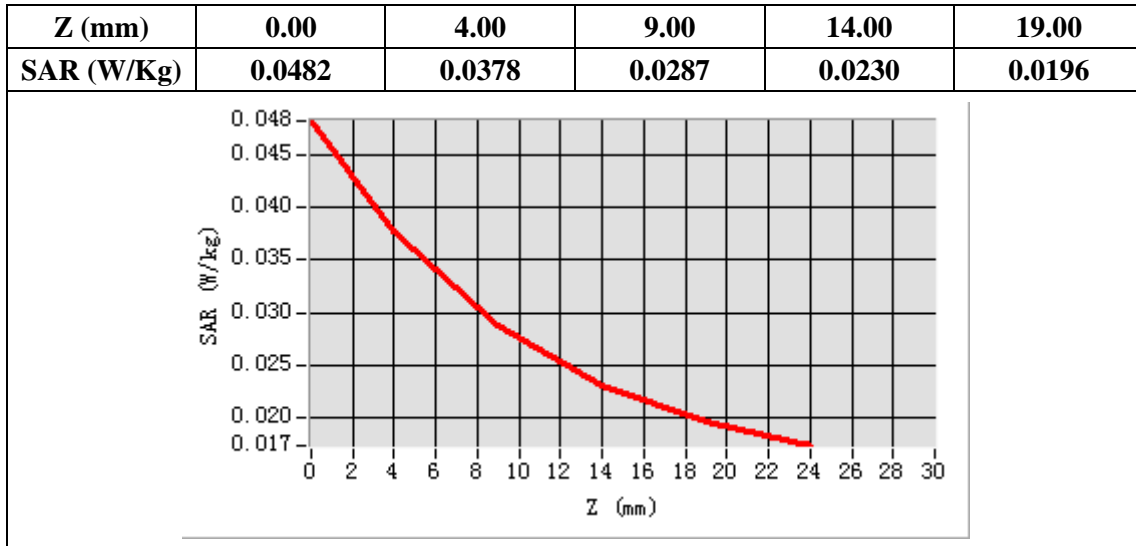
E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	836.5
Relative permittivity (real part)	41.50
Relative permittivity (imaginary)	19.40
Conductivity (S/m)	0.90
Variation (%)	-3.15
ConvF:	1.86



Maximum location: X=-49.00, Y=-41.00

SAR Peak: 0.05 W/kg

SAR 10g (W/Kg)	0.027459
SAR 1g (W/Kg)	0.036488



Plot 22: LTE Band5, 10MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 09/10/2021

Measurement duration: 22 minutes 20 seconds

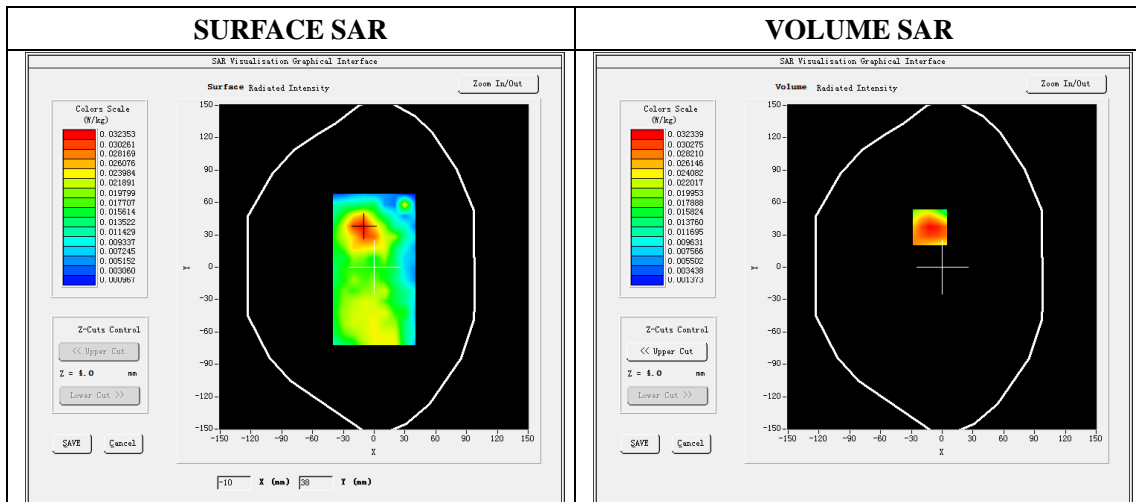
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	836.5
Relative permittivity (real part)	55.18
Relative permittivity (imaginary)	20.69
Conductivity (S/m)	0.96
Variation (%)	-1.75
ConvF:	1.90

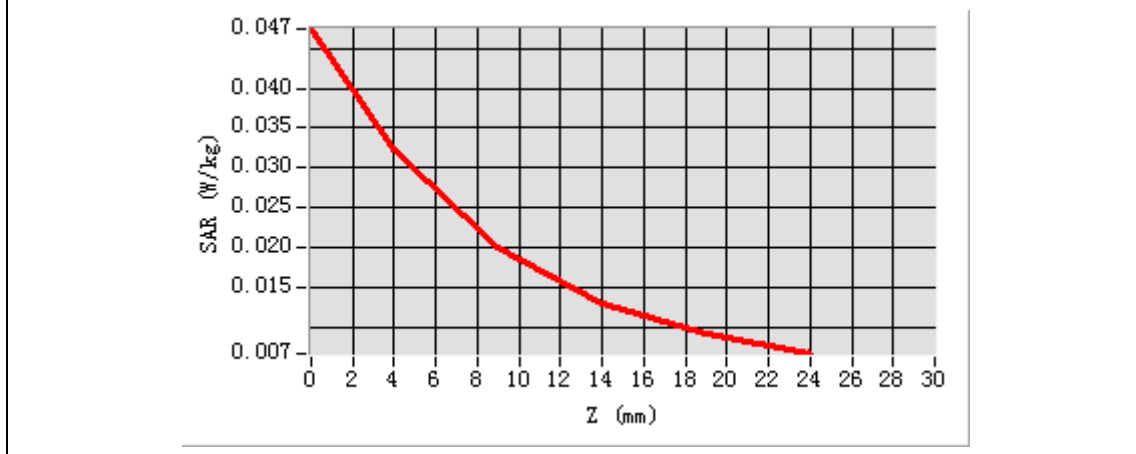


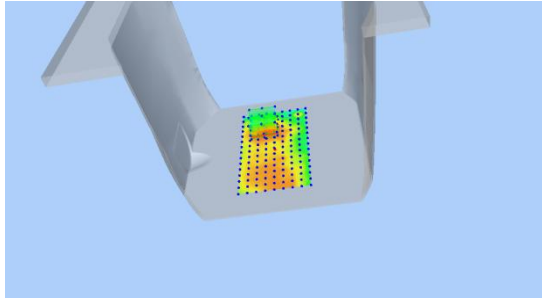
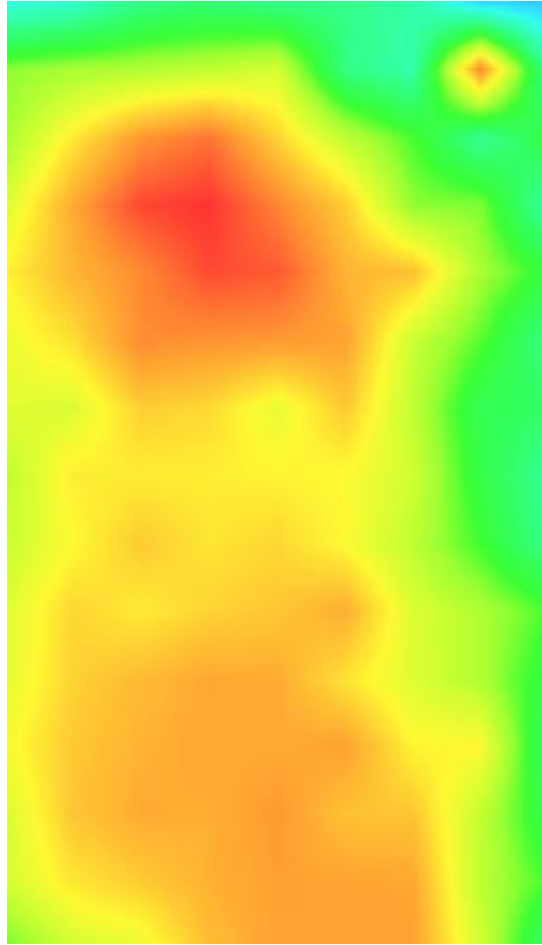
Maximum location: X=-12.00, Y=37.00

SAR Peak: 0.05W/kg

SAR 10g (W/Kg)	0.019943
SAR 1g (W/Kg)	0.030732

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0474	0.0323	0.0201	0.0130	0.0091



3D screen shot	Hot spot position
	

Plot 23: LTE Band7, 20MHz, Left Cheek, Middle

Type: Phone measurement

Date of measurement: 09/16/2021

Measurement duration: 22 minutes 24 seconds

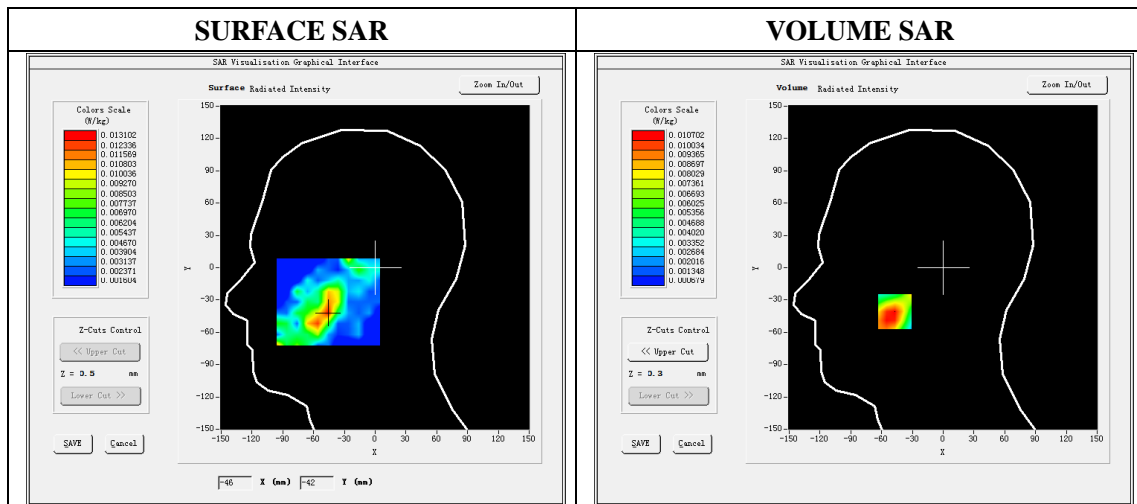
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=5mm,dy=5mm
ZoomScan	7x7x8,dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Left Cheek
Band	LTE Band 7
Channels	21350
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	2560
Relative permittivity (real part)	38.93
Relative permittivity (imaginary)	13.43
Conductivity (S/m)	1.94
Variation (%)	-1.50
ConvF:	2.07

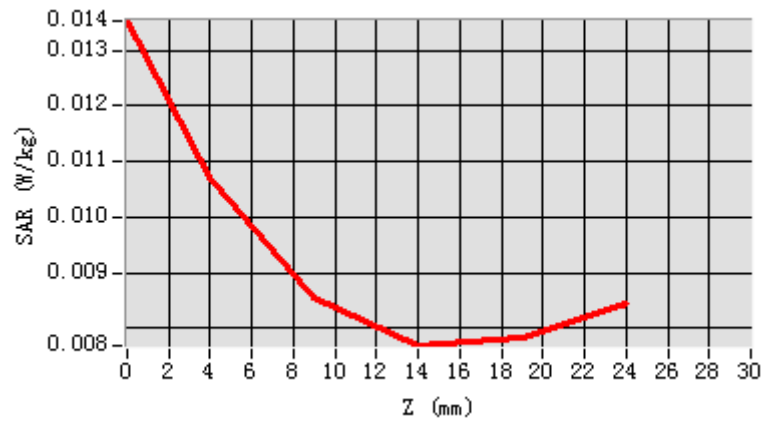


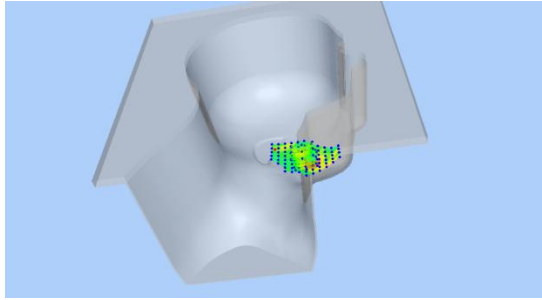
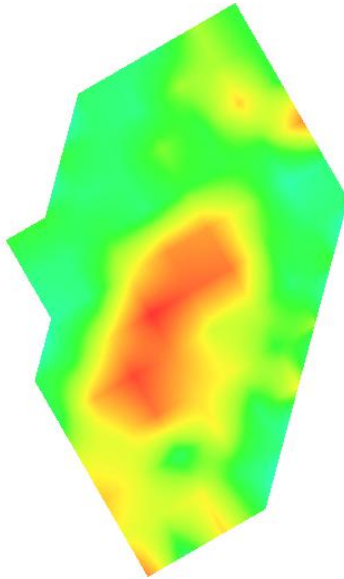
Maximum location: X=-47.00 Y=-41.00

SAR Peak: 0.02W/kg

SAR 10g (W/Kg)	0.007848
SAR 1g (W/Kg)	0.011666

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0135	0.0107	0.0085	0.0077	0.0078



3D screen shot	Hot spot position
	

Plot 24: LTE Band7, 20MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 09/16/2021

Measurement duration: 22 minutes 25 seconds

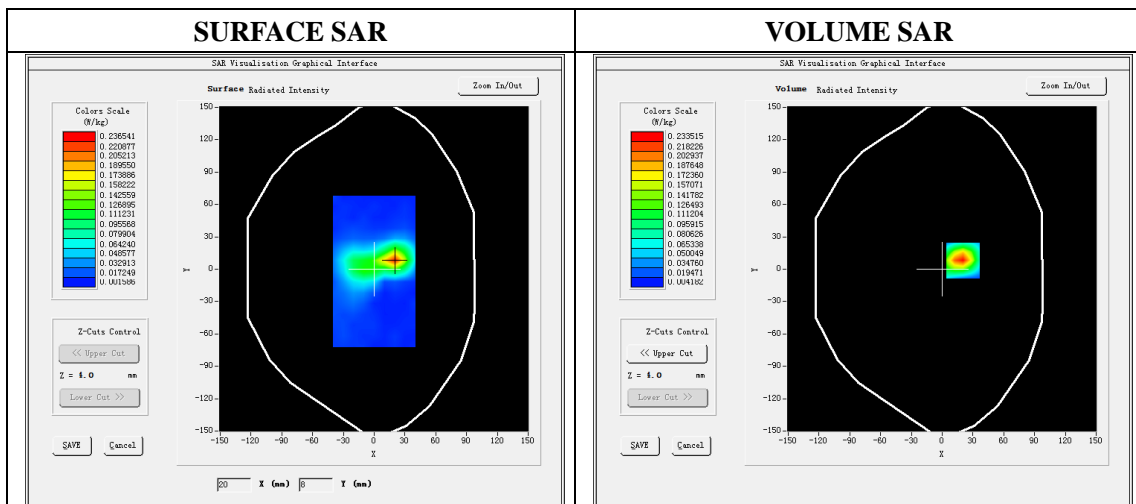
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=5mm,dy=5mm
ZoomScan	7x7x8,dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Back
Band	LTE Band 7
Channels	21350
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	2560
Relative permittivity (real part)	52.53
Relative permittivity (imaginary)	15.02
Conductivity (S/m)	2.17
Variation (%)	-0.11
ConvF:	2.25

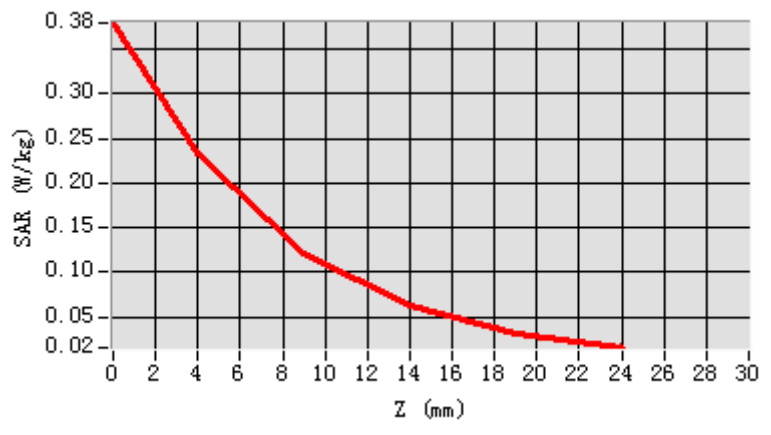


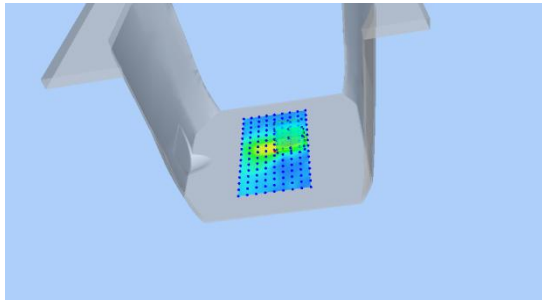
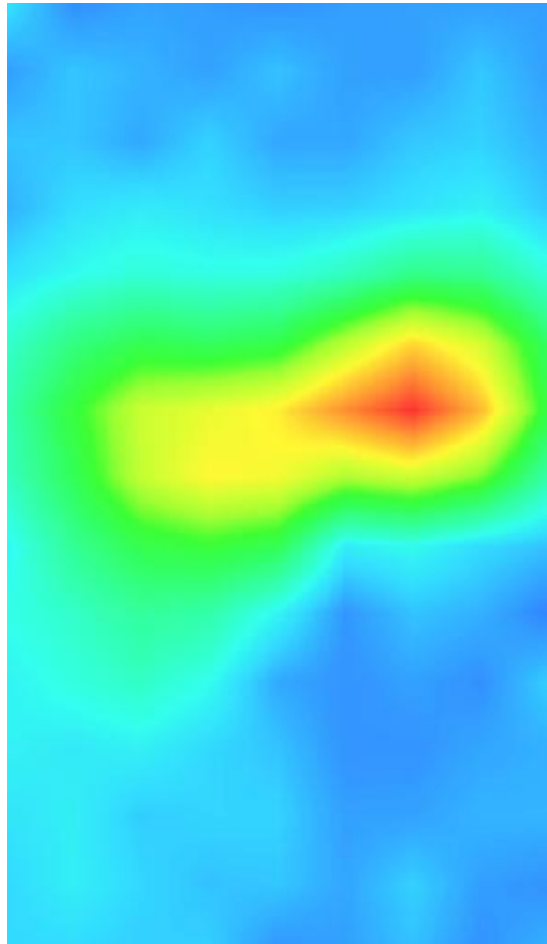
Maximum location: X=20.00 Y=8.00

SAR Peak: 0.39 W/kg

SAR 10g (W/Kg)	0.100447
SAR 1g (W/Kg)	0.214610

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3797	0.2335	0.1217	0.0621	0.0321



3D screen shot	Hot spot position
	

Plot 25: LTE Band7, 20MHz, Edge C, Middle,10mm

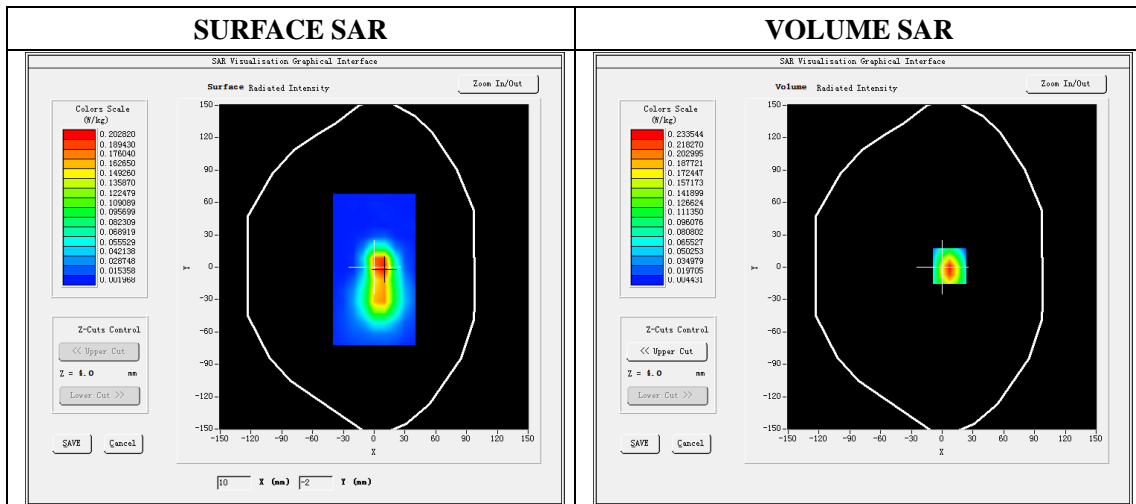
Type: Phone measurement
 Date of measurement: 09/16/2021
 Measurement duration: 22 minutes 22 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=5mm,dy=5mm
ZoomScan	7x7x8,dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Edge C
Band	LTE Band 7
Channels	21350
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	2560
Relative permittivity (real part)	52.53
Relative permittivity (imaginary)	15.02
Conductivity (S/m)	2.17
Variation (%)	-0.67
ConvF:	2.25

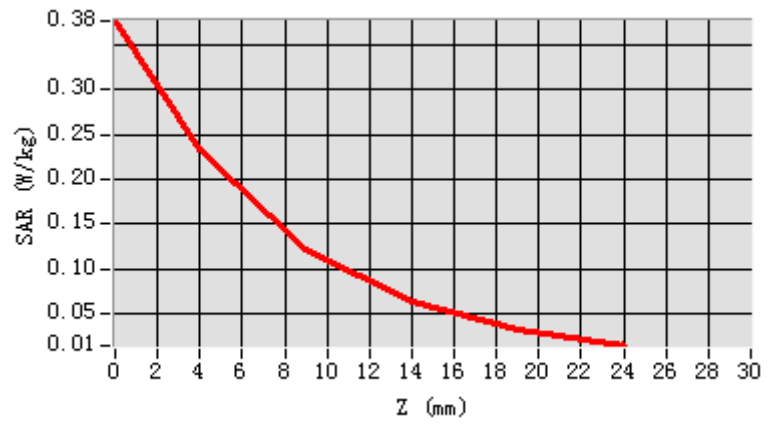


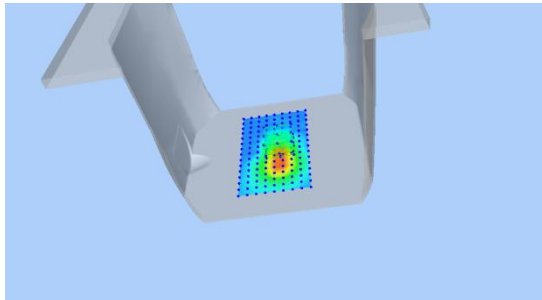
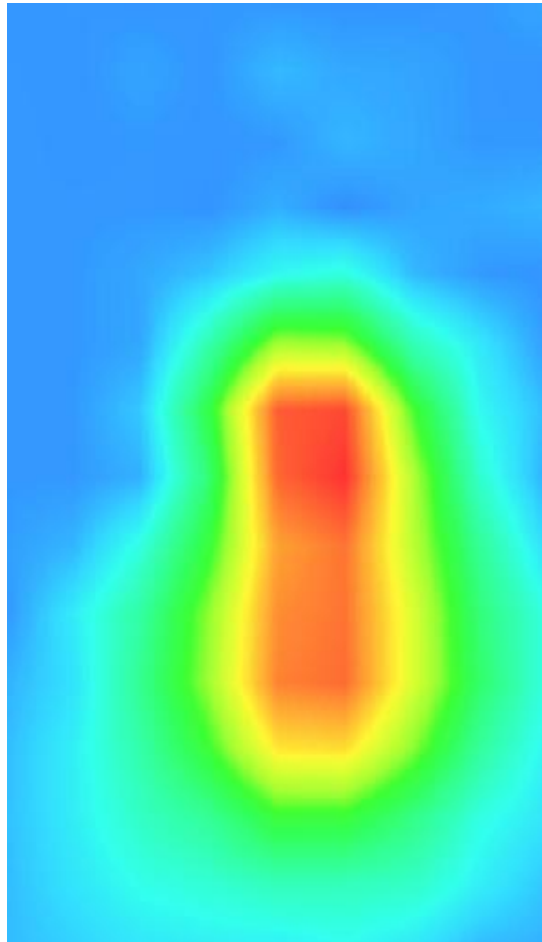
Maximum location: X=7.00 Y=1.00

SAR Peak: 0.38 W/kg

SAR 10g (W/Kg)	0.103817
SAR 1g (W/Kg)	0.215635

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3765	0.2335	0.1228	0.0627	0.0319



3D screen shot	Hot spot position
	

Plot 26: LTE Band12, 10MHz,Left Cheek, Middle

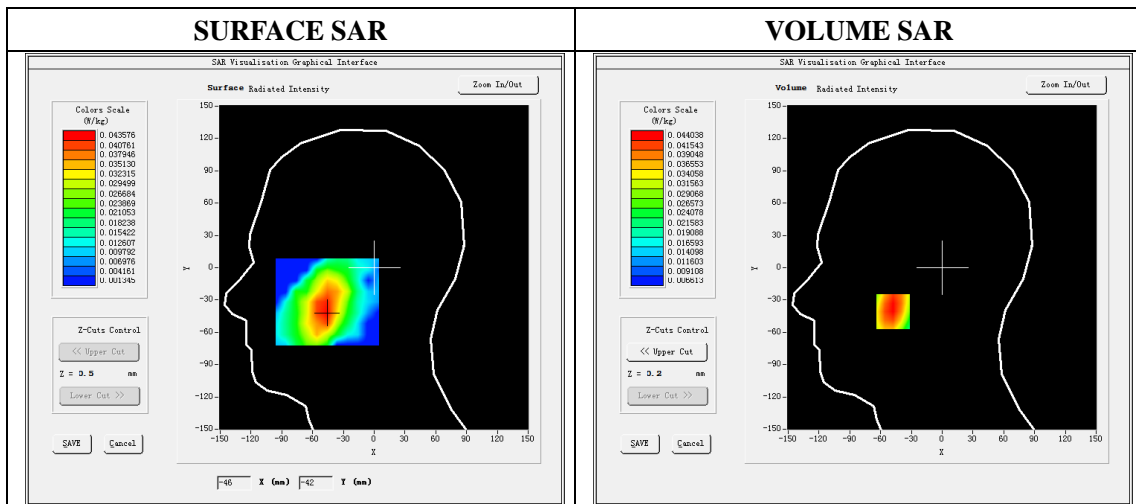
Type: Phone measurement
 Date of measurement: 09/09/2021
 Measurement duration: 22 minutes 23 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	707.5
Relative permittivity (real part)	41.92
Relative permittivity (imaginary)	21.60
Conductivity (S/m)	0.90
Variation (%)	-2.98
ConvF:	1.78

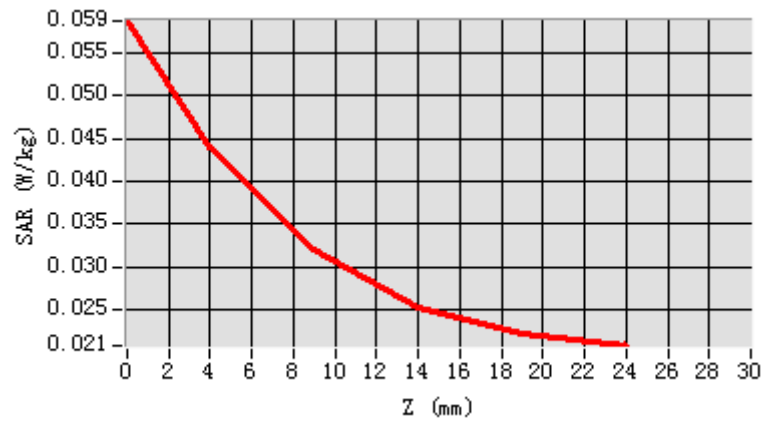


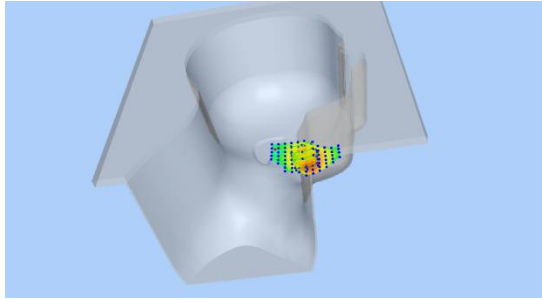
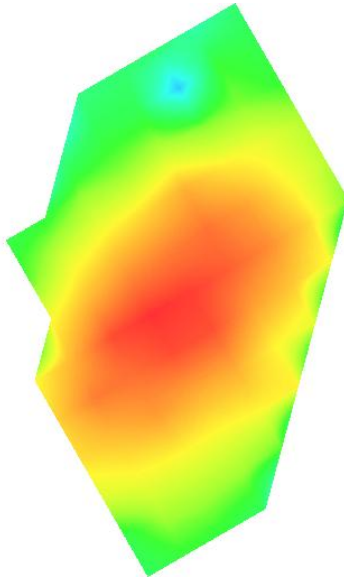
Maximum location: X=-48.00, Y=-41.00

SAR Peak: 0.06 W/kg

SAR 10g (W/Kg)	0.034261
SAR 1g (W/Kg)	0.045407

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0587	0.0440	0.0320	0.0254	0.0223



3D screen shot	Hot spot position
	

Plot 27: LTE Band12, 10MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 09/09/2021

Measurement duration: 22 minutes 26 seconds

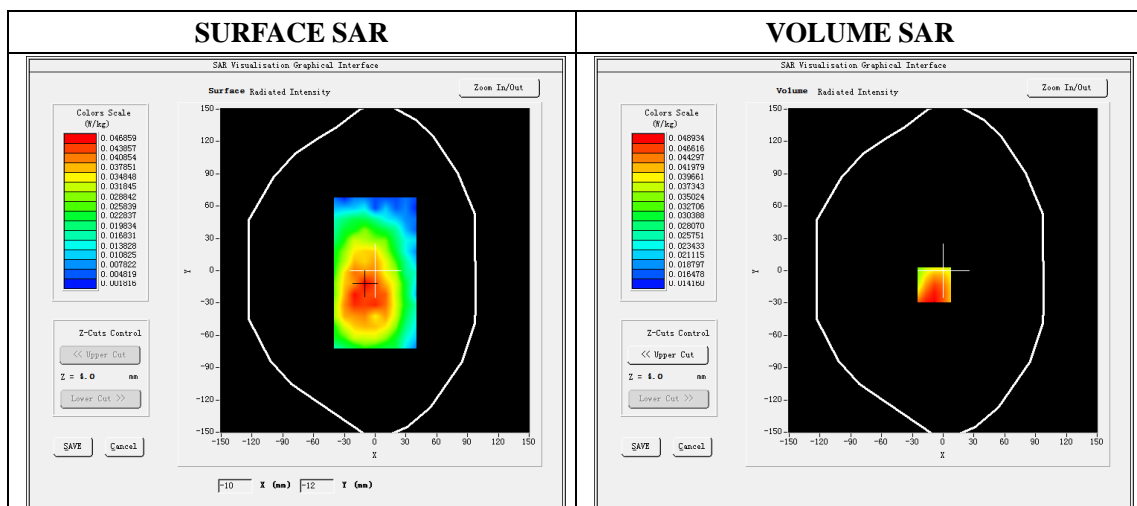
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	707.5
Relative permittivity (real part)	55.53
Relative permittivity (imaginary)	23.28
Conductivity (S/m)	0.97
Variation (%)	-1.05
ConvF:	1.88

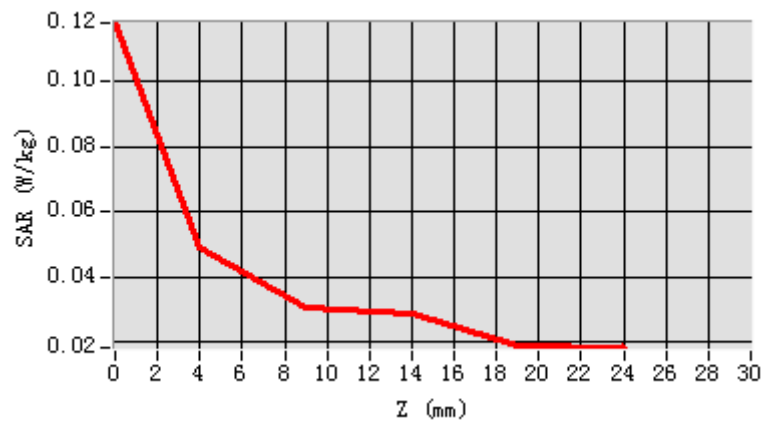


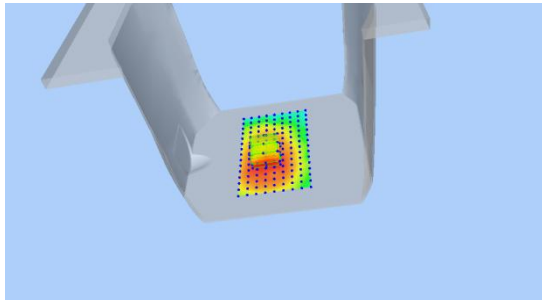
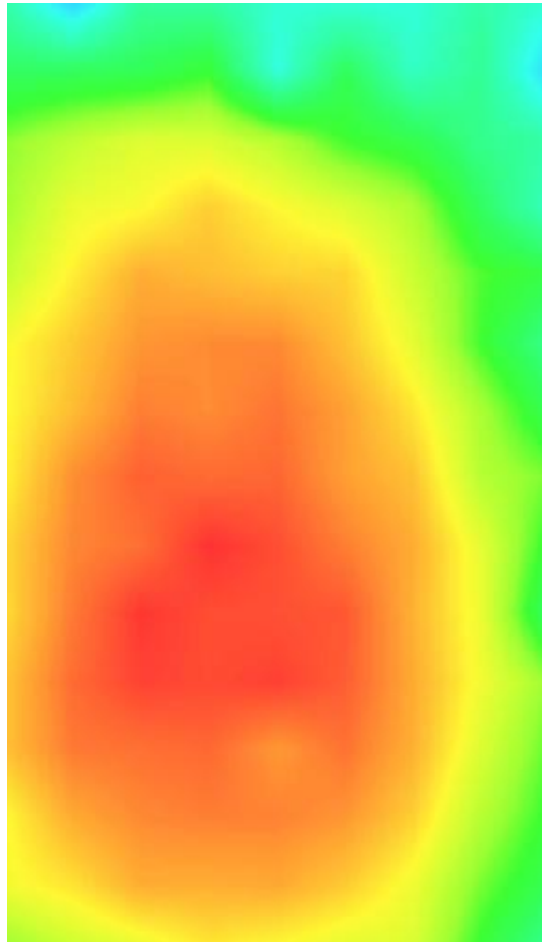
Maximum location: X=-9.00, Y=-13.00

SAR Peak: 0.06W/kg

SAR 10g (W/Kg)	0.035434
SAR 1g (W/Kg)	0.048112

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1178	0.0489	0.0305	0.0285	0.0188



3D screen shot	Hot spot position
	

Plot 28: LTE Band17, 10MHz,Left Check, Middle

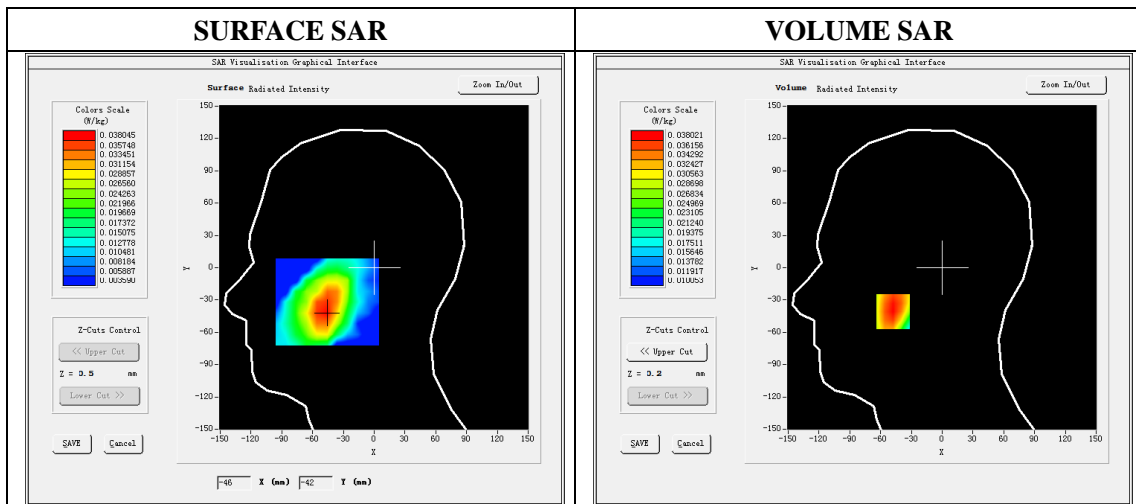
Type: Phone measurement
 Date of measurement: 09/09/2021
 Measurement duration: 22 minutes 28 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Left Check
Band	LTE Band 17
Channels	23790
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

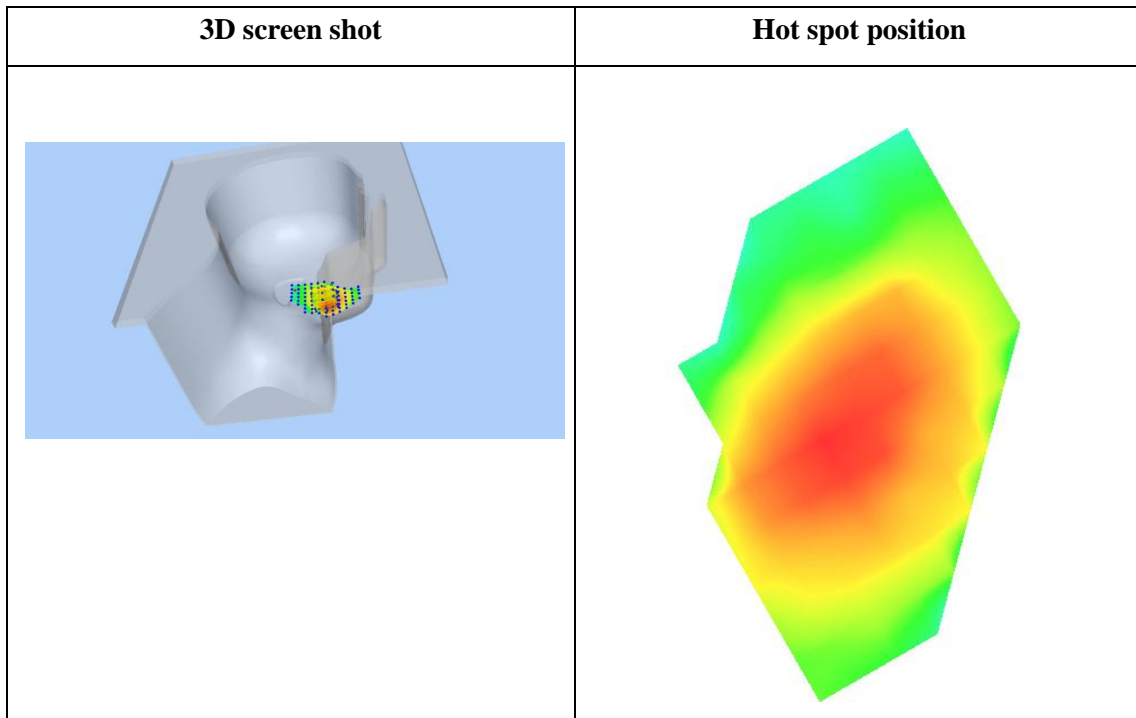
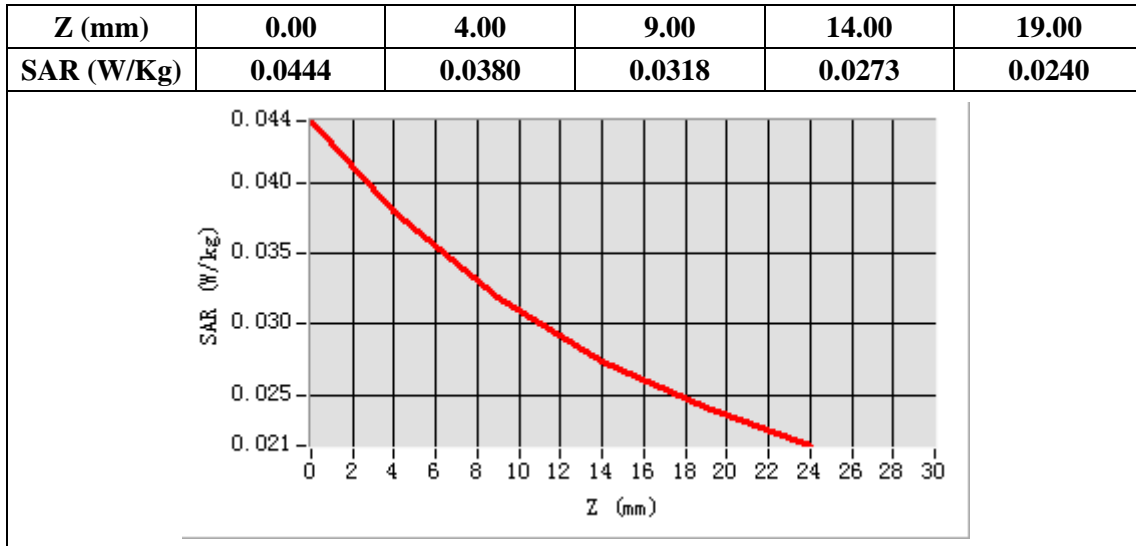
E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	710
Relative permittivity (real part)	41.92
Relative permittivity (imaginary)	21.60
Conductivity (S/m)	0.90
Variation (%)	-4.27
ConvF:	1.78



Maximum location: X=-48.00, Y=-41.00

SAR Peak: 0.04 W/kg

SAR 10g (W/Kg)	0.029757
SAR 1g (W/Kg)	0.036956



Plot 29: LTE Band 17, 10MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 09/09/2021

Measurement duration: 22 minutes 29 seconds

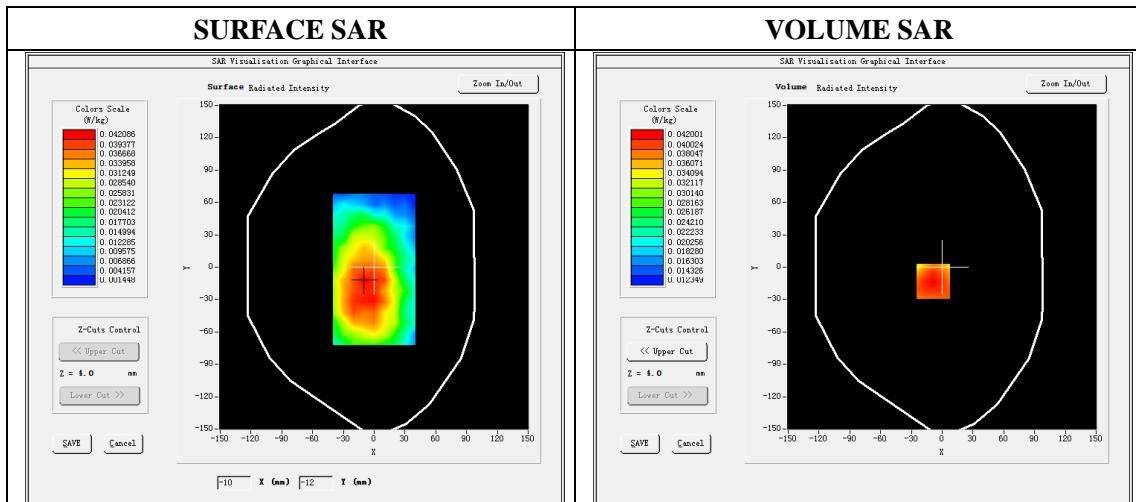
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	LTE Band 17
Channels	23790
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	710
Relative permittivity (real part)	55.53
Relative permittivity (imaginary)	23.28
Conductivity (S/m)	0.97
Variation (%)	-1.93
ConvF:	1.88

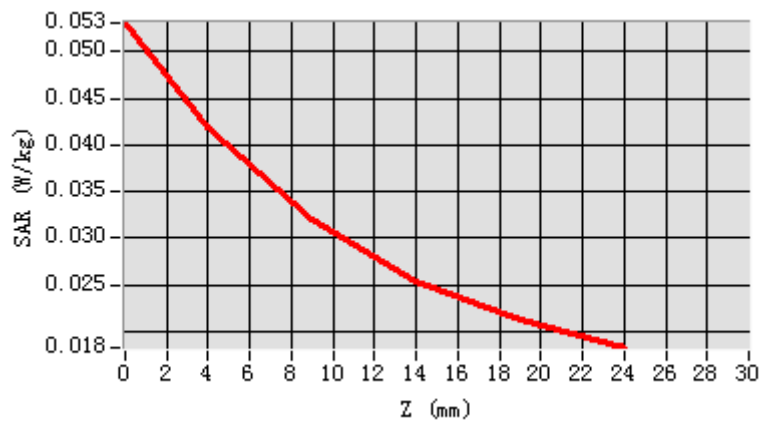


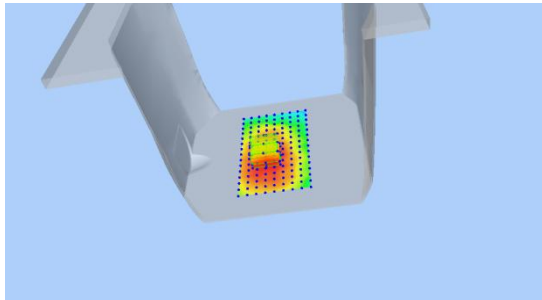
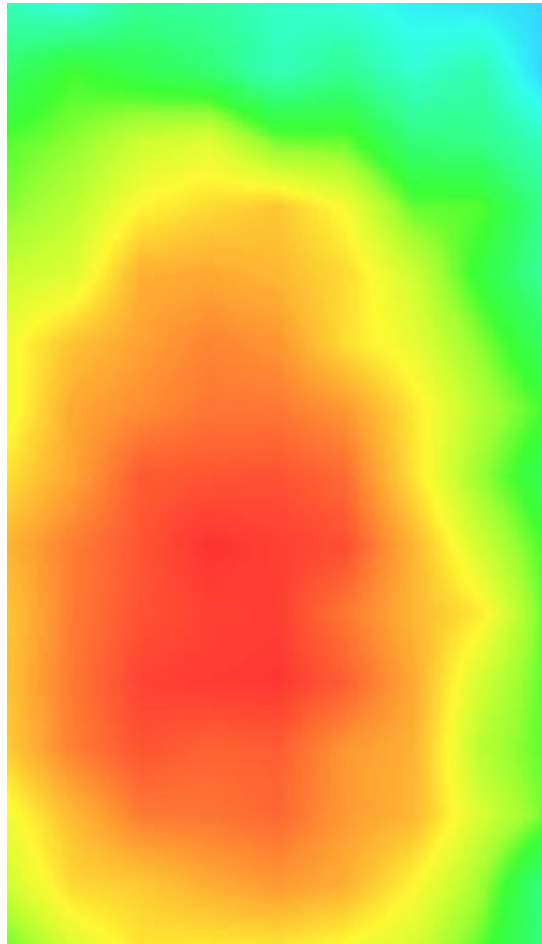
Maximum location: X=-9.00, Y=-13.00

SAR Peak: 0.05W/kg

SAR 10g (W/Kg)	0.031608
SAR 1g (W/Kg)	0.041197

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0531	0.0420	0.0320	0.0254	0.0213



3D screen shot	Hot spot position
	

Plot 30: LTE Band41, 20MHz,Left Cheek, Middle

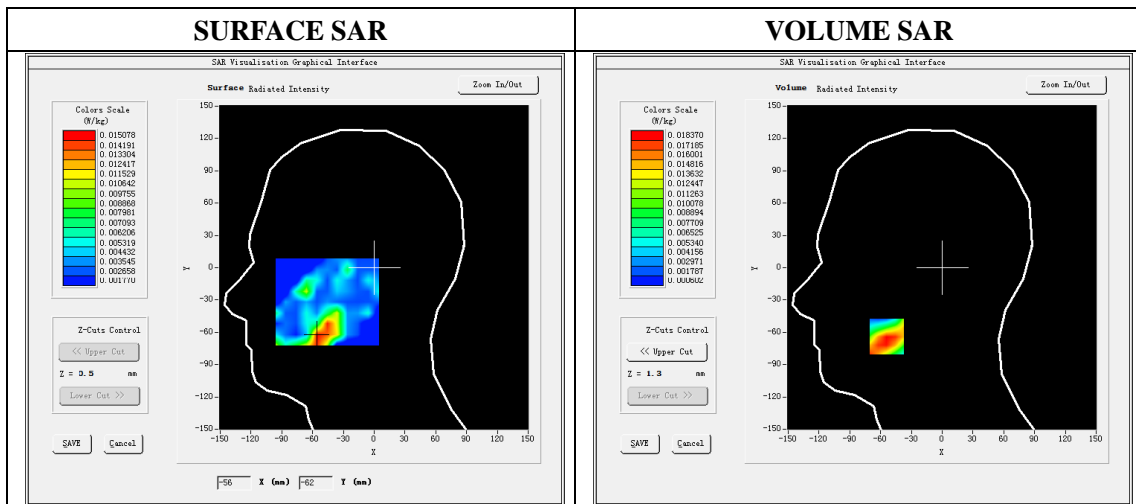
Type: Phone measurement
 Date of measurement: 09/16/2021
 Measurement duration: 22 minutes 37 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Left Cheek
Band	LTE Band 41
Channels	40390
Signal	LTE (Duty cycle: 63.33%)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	2570
Relative permittivity (real part)	38.93
Relative permittivity (imaginary)	13.43
Conductivity (S/m)	1.94
Variation (%)	-2.70
ConvF:	2.07

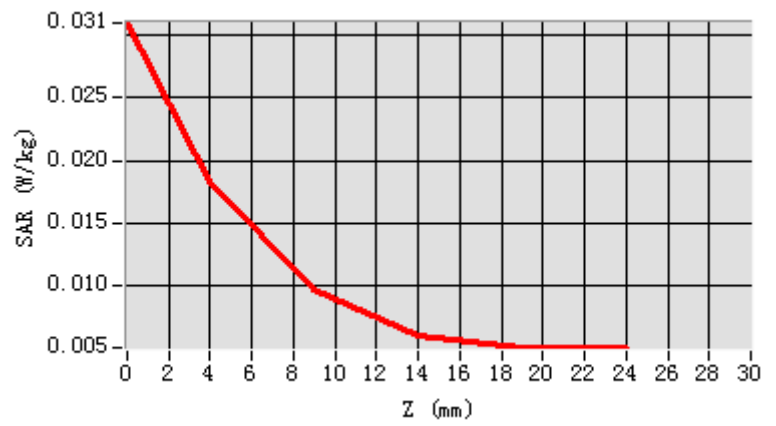


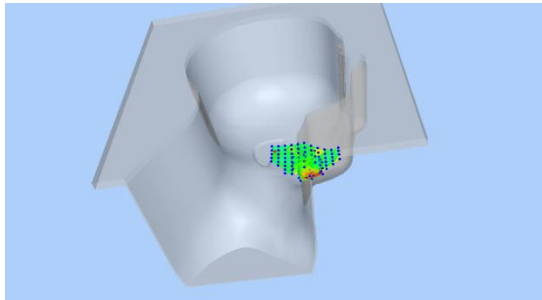
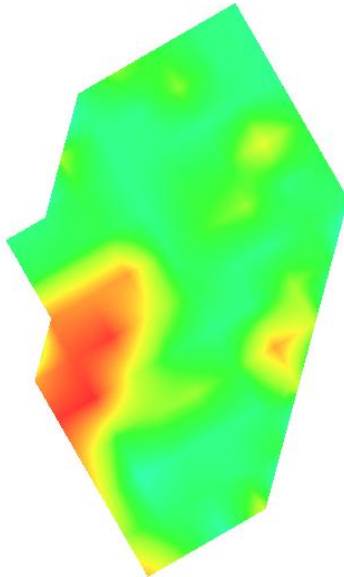
Maximum location: X=-54.00, Y=-64.00

SAR Peak: 0.04W/kg

SAR 10g (W/Kg)	0.010392
SAR 1g (W/Kg)	0.018889

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0309	0.0184	0.0097	0.0061	0.0051



3D screen shot	Hot spot position
	

Plot 31: LTE Band41, 20MHz, Back, Middle,10mm

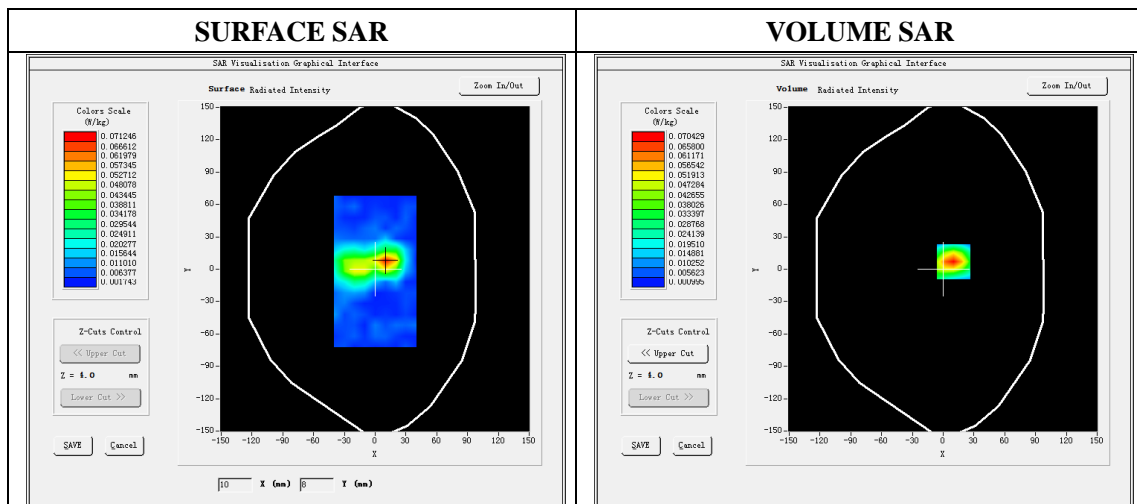
Type: Phone measurement
 Date of measurement: 09/16/2021
 Measurement duration: 22 minutes 40 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	LTE Band 41
Channels	40390
Signal	LTE (Duty cycle: 63.33%)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	2570
Relative permittivity (real part)	52.53
Relative permittivity (imaginary)	15.02
Conductivity (S/m)	2.17
Variation (%)	-1.31
ConvF:	2.25

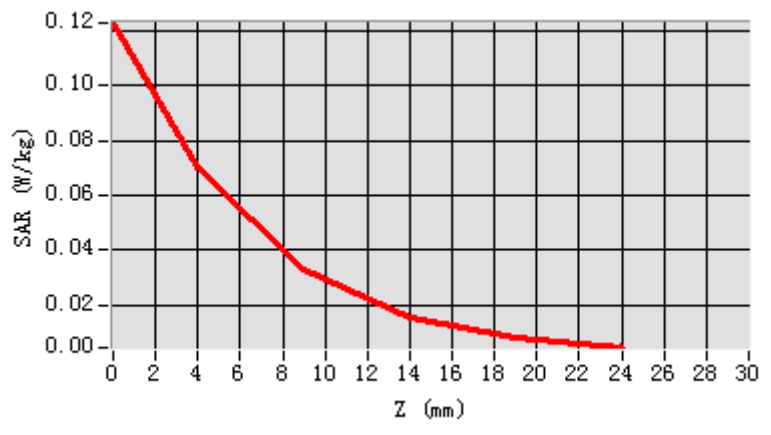


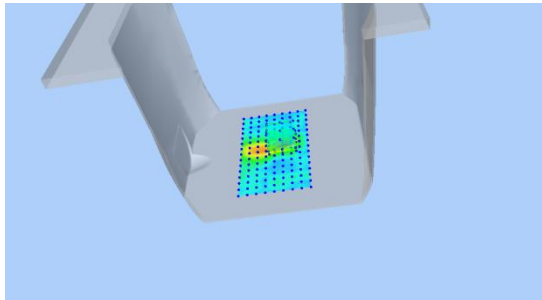
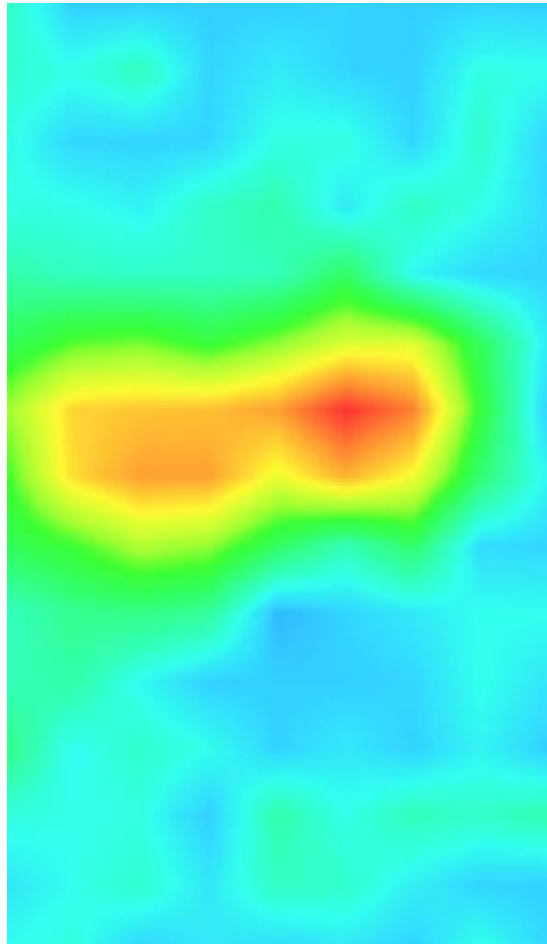
Maximum location: X=10.00, Y=7.00

SAR Peak: 0.12W/kg

SAR 10g (W/Kg)	0.031077
SAR 1g (W/Kg)	0.065840

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1228	0.0704	0.0333	0.0158	0.0083



3D screen shot	Hot spot position
	

Plot 32: LTE Band41, 20MHz, Edge C, Middle,10mm

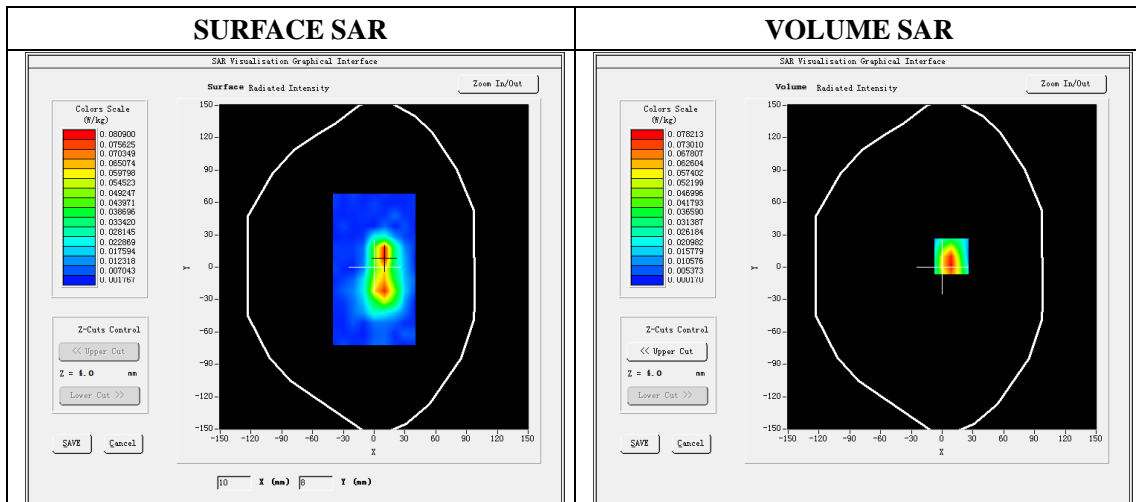
Type: Phone measurement
 Date of measurement: 09/16/2021
 Measurement duration: 22 minutes 40 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Edge C
Band	LTE Band 41
Channels	40390
Signal	LTE (Duty cycle: 63.33%)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	2570
Relative permittivity (real part)	52.53
Relative permittivity (imaginary)	15.02
Conductivity (S/m)	2.17
Variation (%)	-2.02
ConvF:	2.25

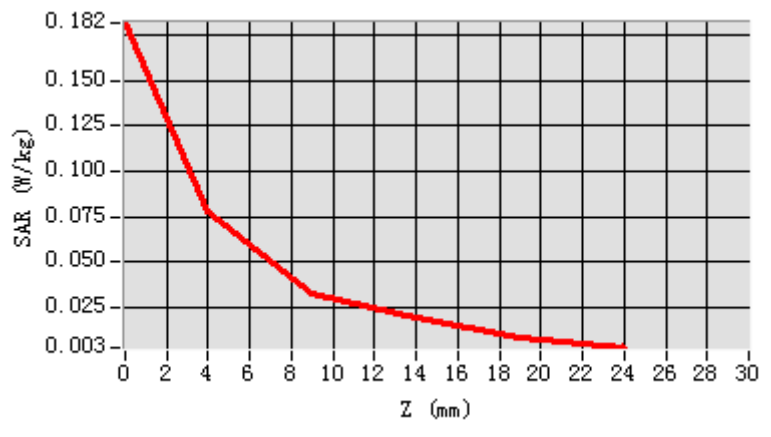


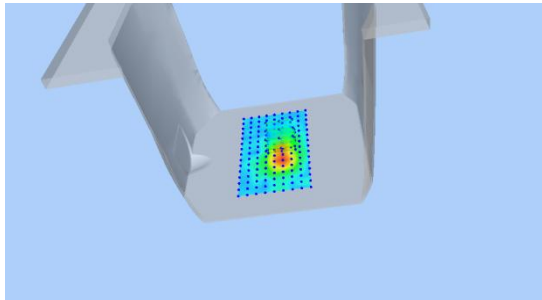
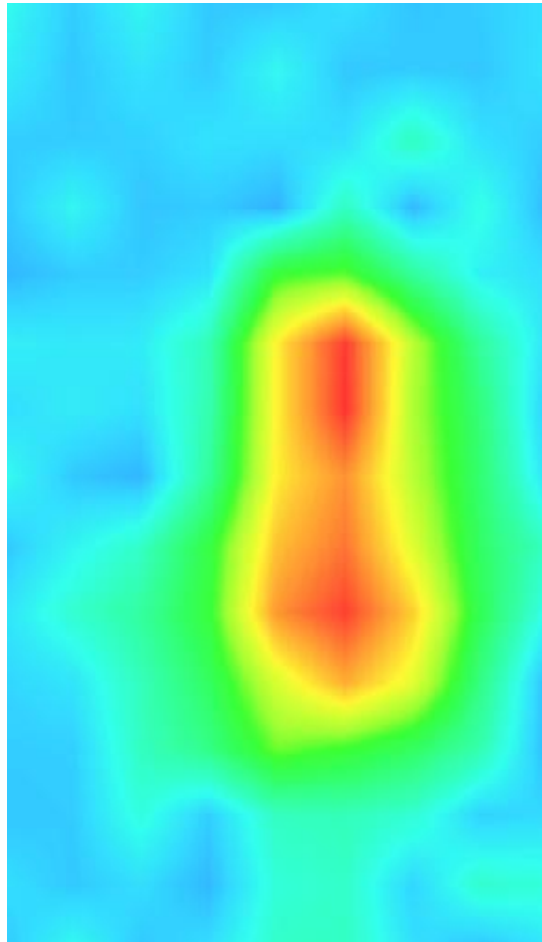
Maximum location: X=9.00, Y=10.00

SAR Peak: 0.14W/kg

SAR 10g (W/Kg)	0.036812
SAR 1g (W/Kg)	0.075077

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1816	0.0782	0.0323	0.0192	0.0079



3D screen shot	Hot spot position
	

Plot 33: LTE Band66, 20MHz, Left Cheek, Middle

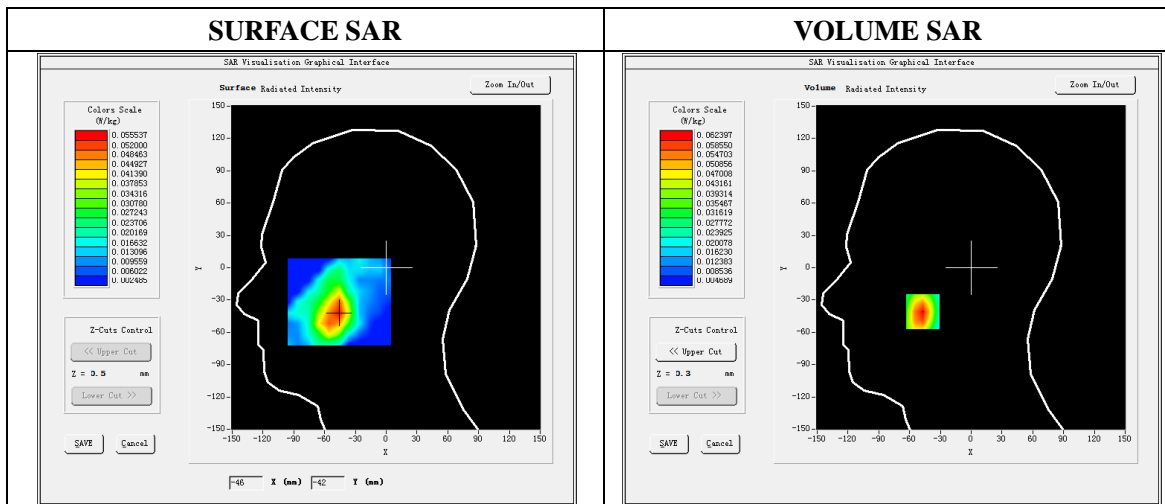
Type: Phone measurement
 Date of measurement: 09/13/2021
 Measurement duration: 22 minutes 26 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Left Cheek
Band	LTE Band 66
Channels	132197
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

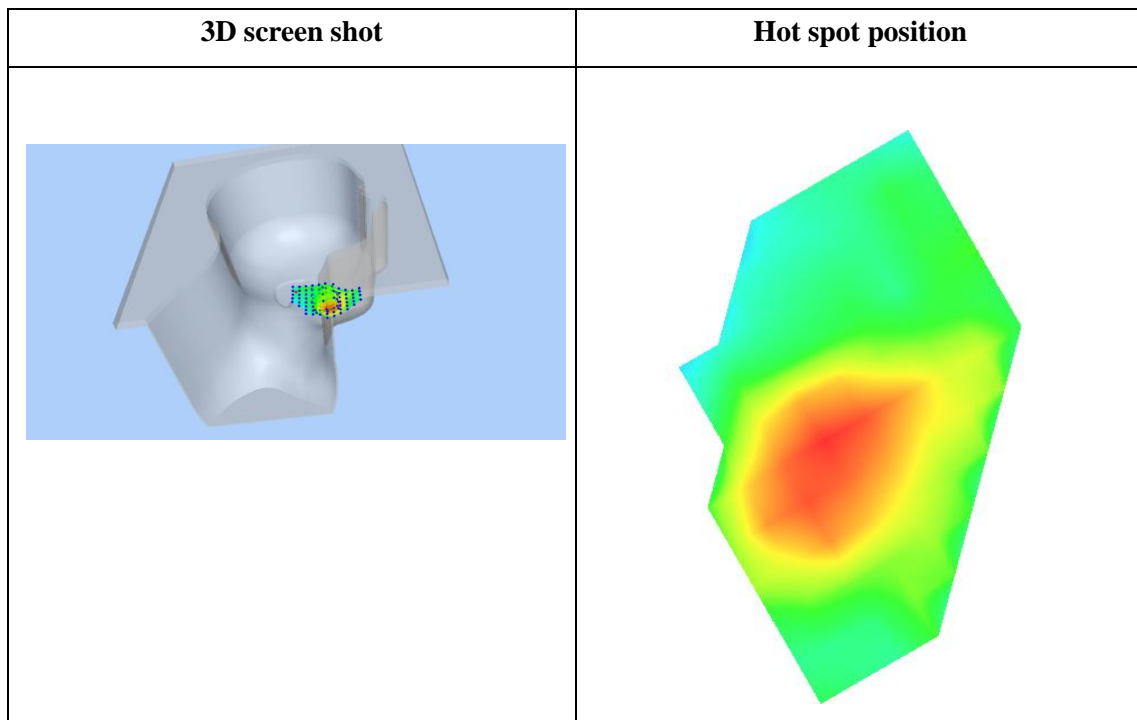
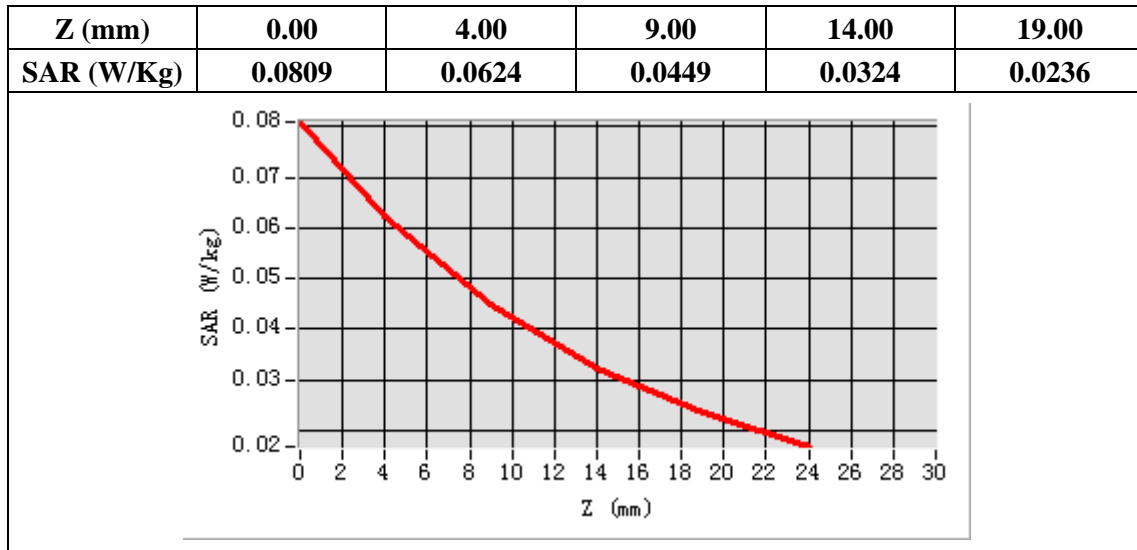
E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	1732.5
Relative permittivity (real part)	40.48
Relative permittivity (imaginary)	13.90
Conductivity (S/m)	1.39
Variation (%)	-3.34
ConvF:	2.04



Maximum location: X=-47.00, Y=-41.00

SAR Peak: 0.08W/kg

SAR 10g (W/Kg)	0.038610
SAR 1g (W/Kg)	0.059967



Plot 34: LTE Band66, 20MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 09/13/2021

Measurement duration: 22 minutes 27 seconds

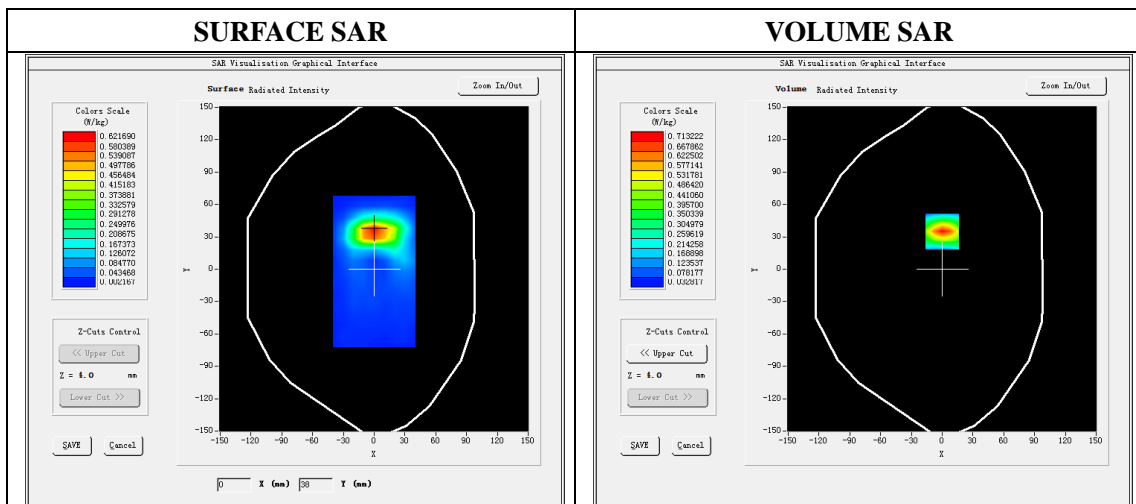
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	LTE Band 66
Channels	132197
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

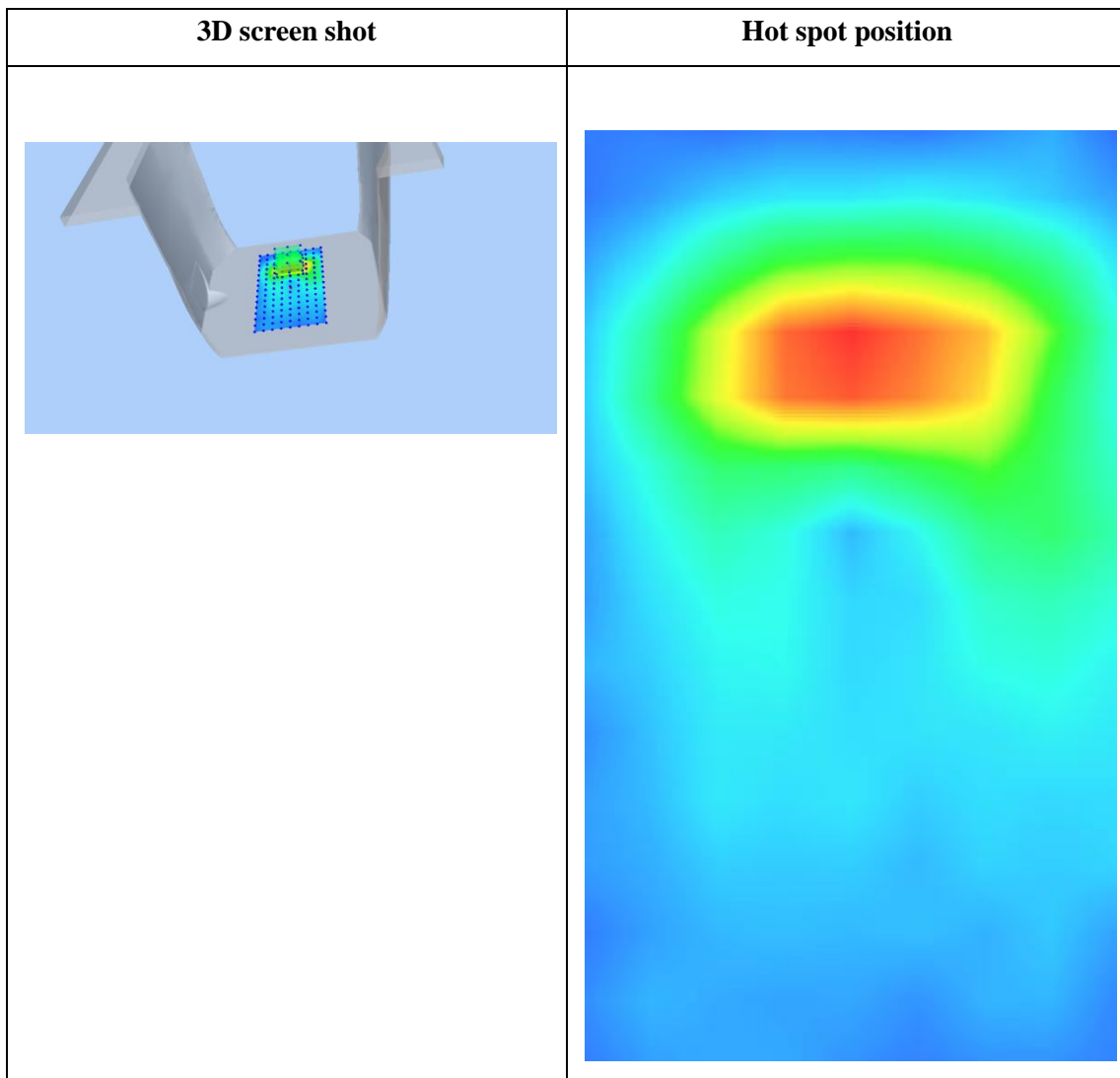
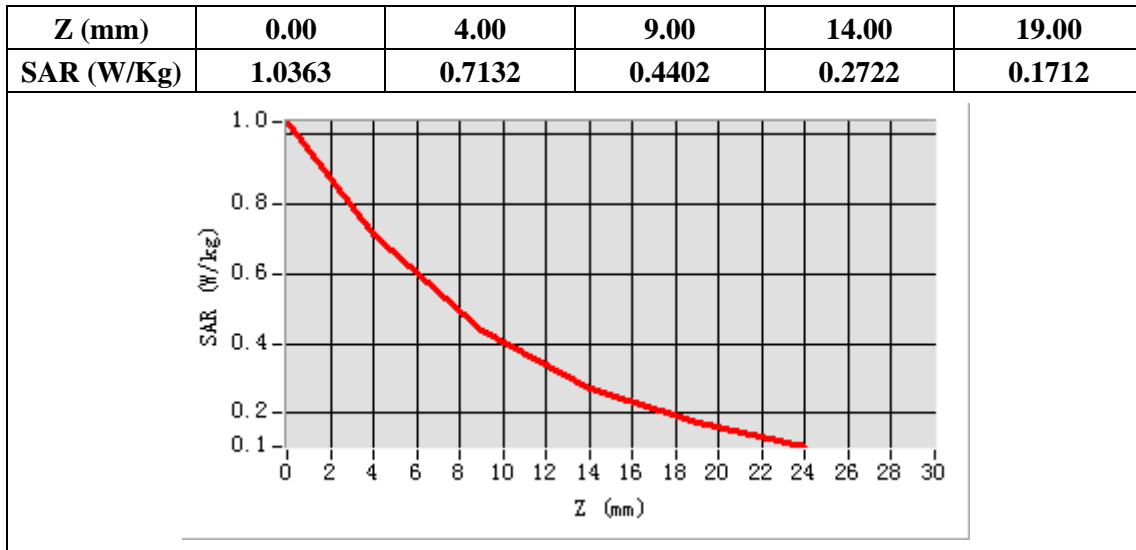
E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	1732.5
Relative permittivity (real part)	53.27
Relative permittivity (imaginary)	15.10
Conductivity (S/m)	1.51
Variation (%)	-1.29
ConvF:	2.09



Maximum location: X=0.00, Y=35.00

SAR Peak: 1.04W/kg

SAR 10g (W/Kg)	0.354505
SAR 1g (W/Kg)	0.660109



Plot 35: Wi-Fi 802.11b ,Right Tilt 15 °, Middle

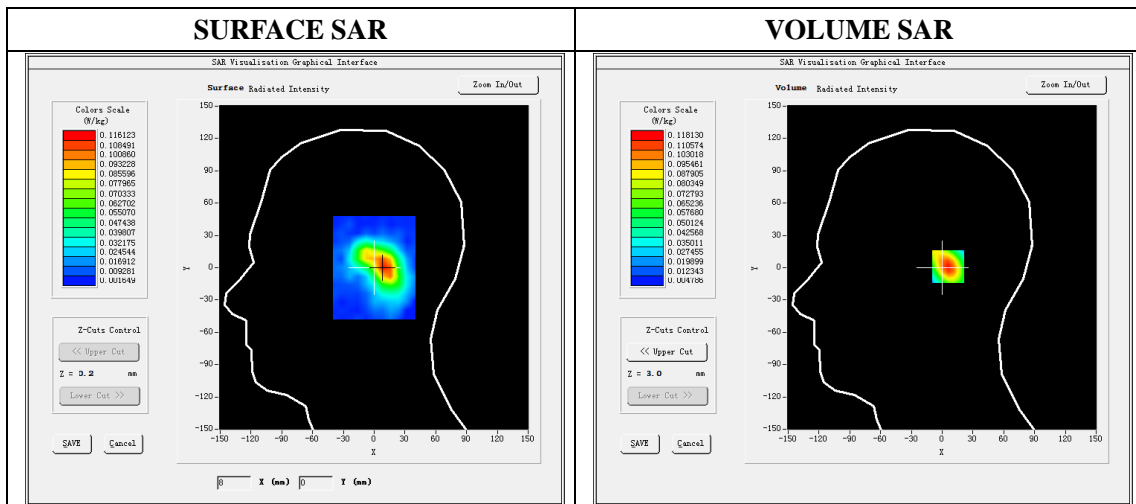
Type: Phone measurement
 Date of measurement: 09/15/2021
 Measurement duration: 22 minutes 27 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=5mm,dy=5mm
ZoomScan	7x7x8,dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Right Tilt 15 °
Band	WIFI
Channels	6
Signal	DSSS (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	2437
Relative permittivity (real part)	39.11
Relative permittivity (imaginary)	12.78
Conductivity (S/m)	1.74
Variation (%)	-1.71
ConvF:	2.18

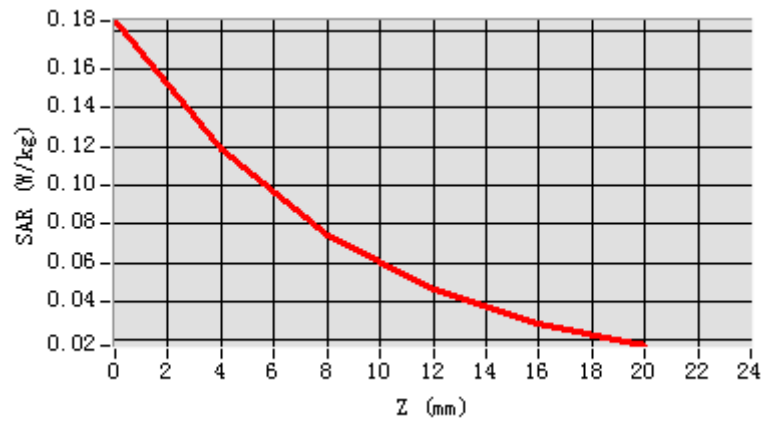


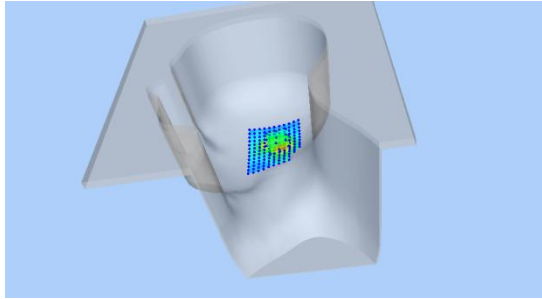
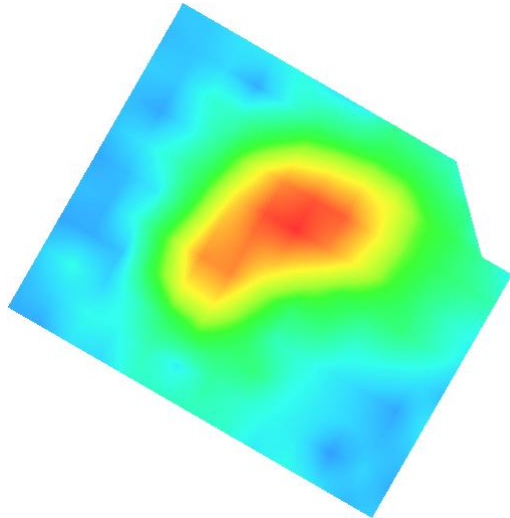
Maximum location: X=9.00 Y=1.00

SAR Peak: 0.18 W/kg

SAR 10g (W/Kg)	0.057804
SAR 1g (W/Kg)	0.107711

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.1848	0.1181	0.0740	0.0461	0.0288



3D screen shot	Hot spot position
	

Plot 36: Wi-Fi 802.11b, Back ,Middle, 10mm

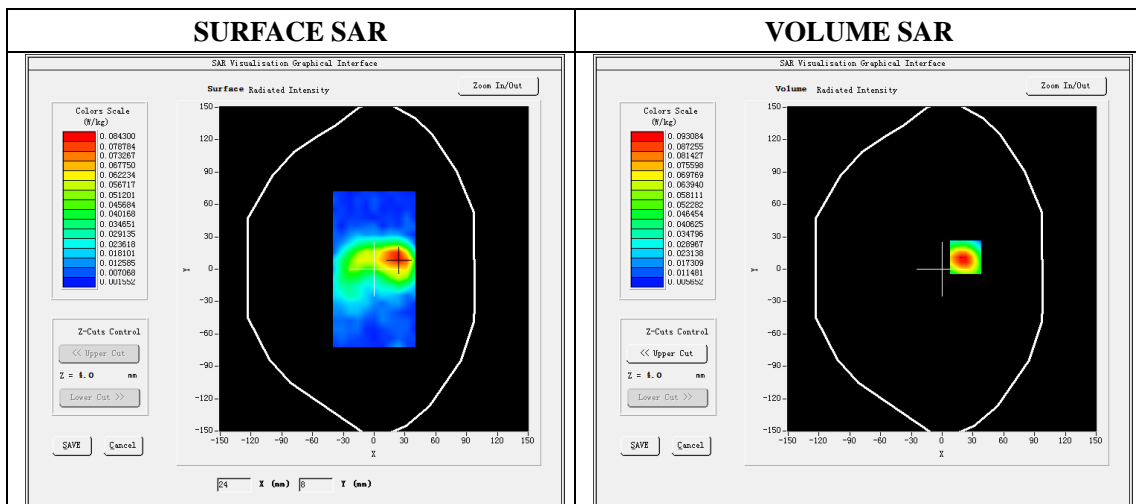
Type: Phone measurement
 Date of measurement: 09/15/2021
 Measurement duration: 22 minutes 30 seconds
 Mobile Phone IMEI number: --

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 SN_36/20_EPGO348
Frequency (MHz)	2437
Relative permittivity (real part)	52.75
Relative permittivity (imaginary)	14.55
Conductivity (S/m)	1.98
Variation (%)	-1.77
ConvF:	2.47

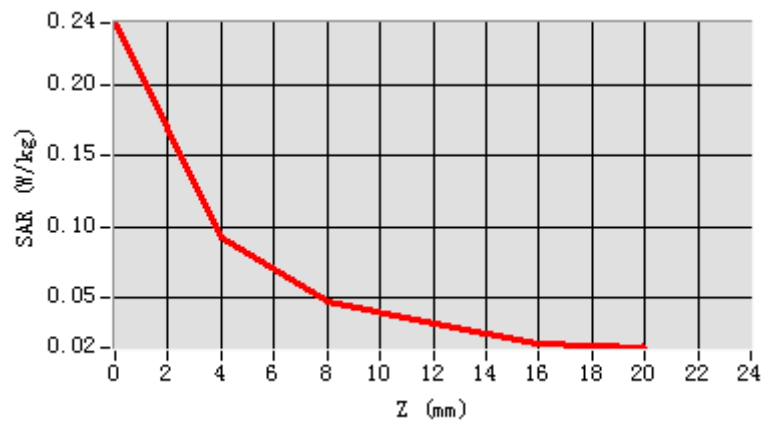


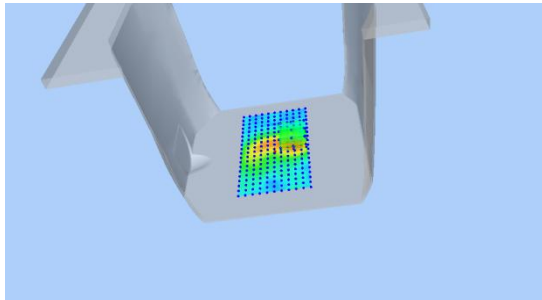
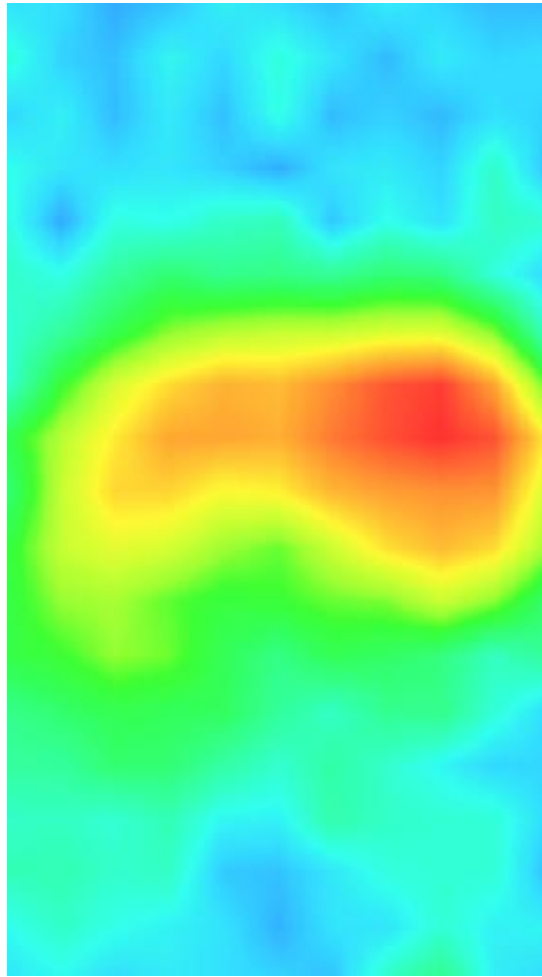
Maximum location: X=23.00 Y=11.00

SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.046179
SAR 1g (W/Kg)	0.087990

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.2432	0.0931	0.0474	0.0327	0.0181



3D screen shot	Hot spot position
	

Plot 37: BT, Left Tilt 15 °, Middle

Type: Phone measurement

Date of measurement: 09/15/2021

Measurement duration: 22 minutes 31 seconds

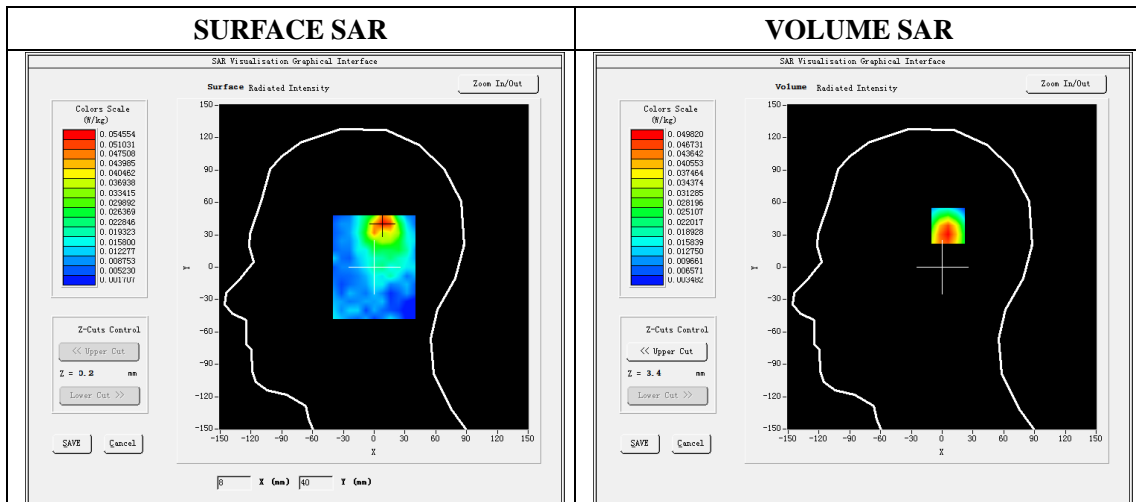
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Left Tilt 15 °
Band	BT
Channels	39
Signal	GFSK (Duty cycle: 1:1)

B. SAR Measurement Results

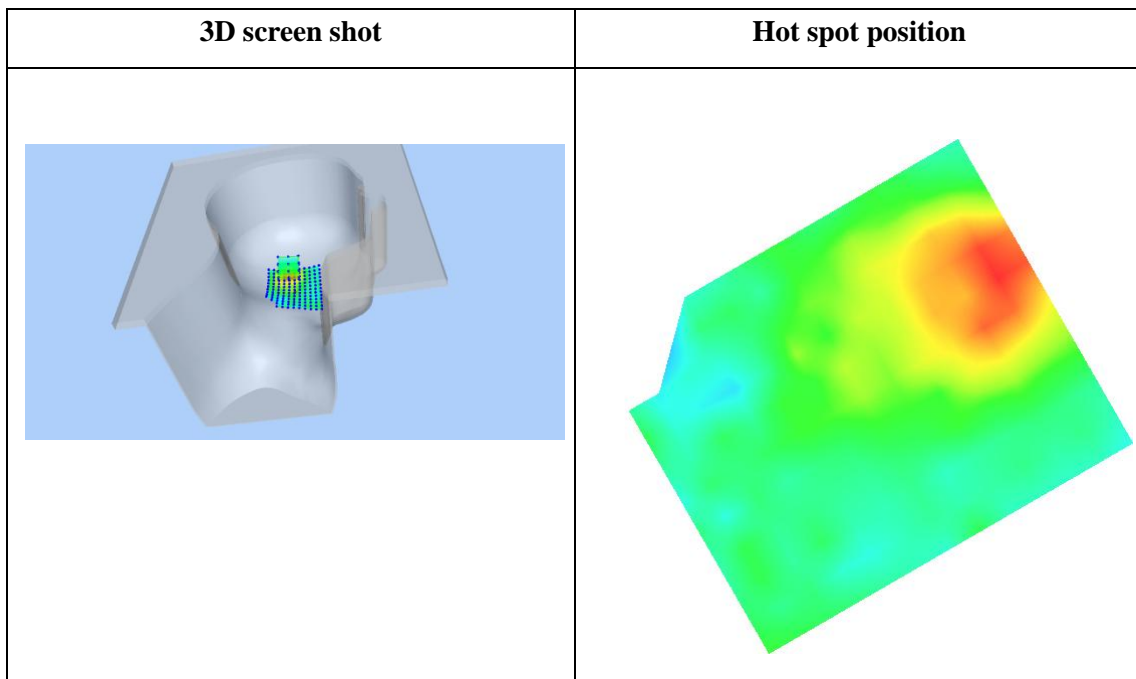
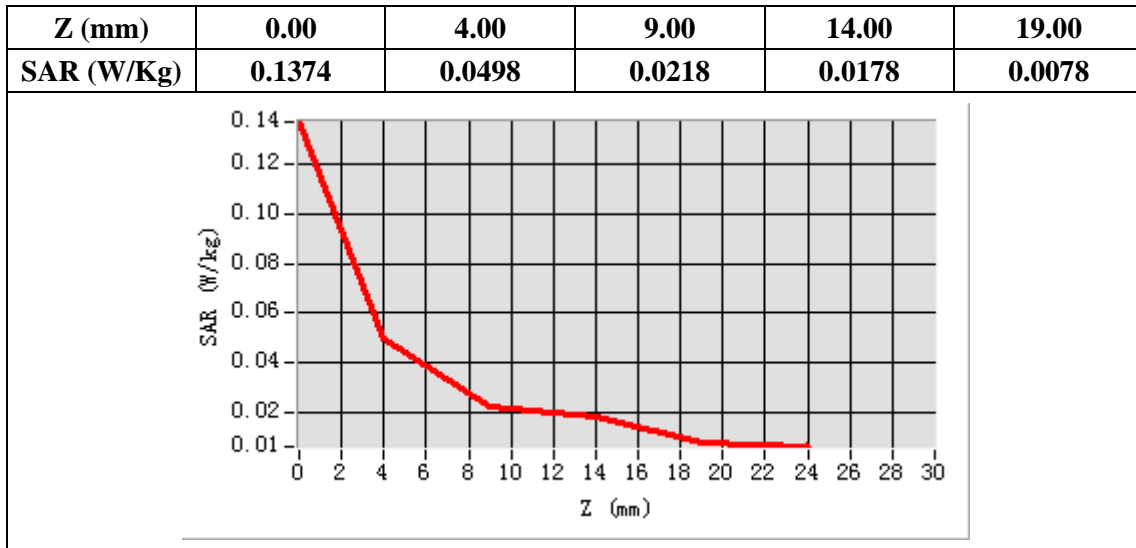
E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	2441
Relative permittivity (real part)	39.11
Relative permittivity (imaginary)	12.78
Conductivity (S/m)	1.74
Variation (%)	-4.28
ConvF:	2.18



Maximum location: X=9.00 Y=42.00

SAR Peak: 0.08 W/kg

SAR 10g (W/Kg)	0.026834
SAR 1g (W/Kg)	0.047777



Plot 38: BT, Back, Middle, 10mm

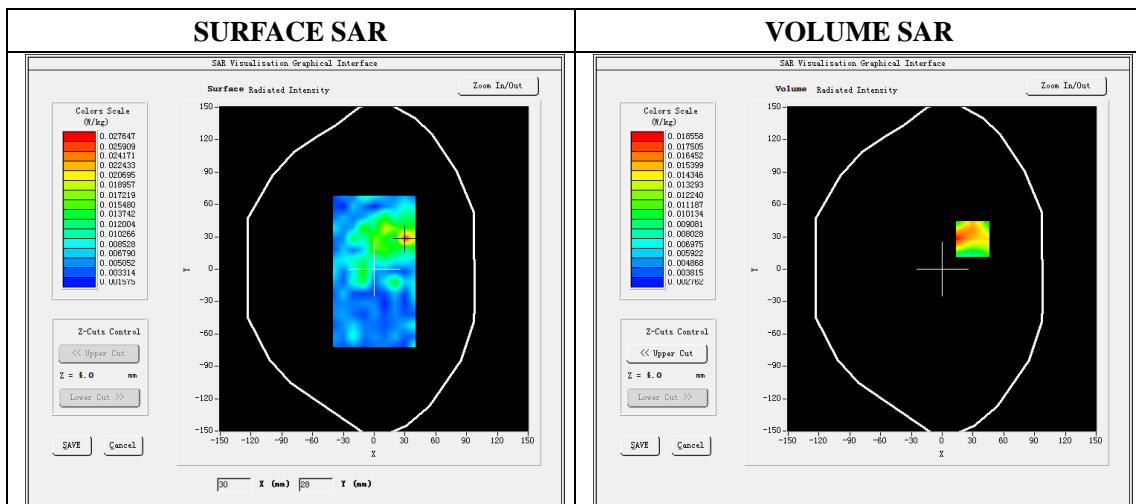
Type: Phone measurement
 Date of measurement: 09/15/2021
 Measurement duration: 22 minutes 33 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	BT3.0
Channels	39
Signal	GFSK (Duty cycle: 1:1)

B. SAR Measurement Results

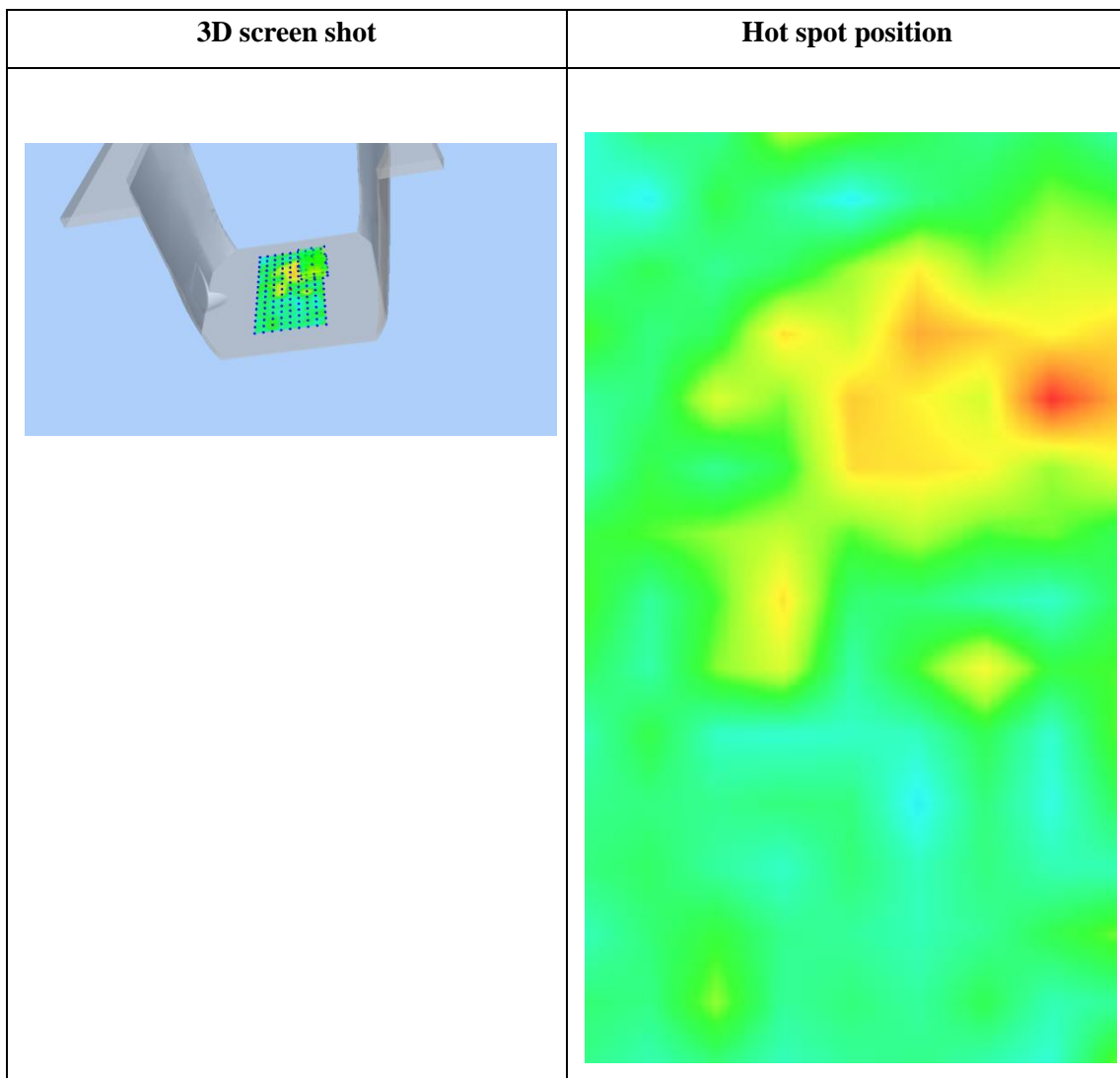
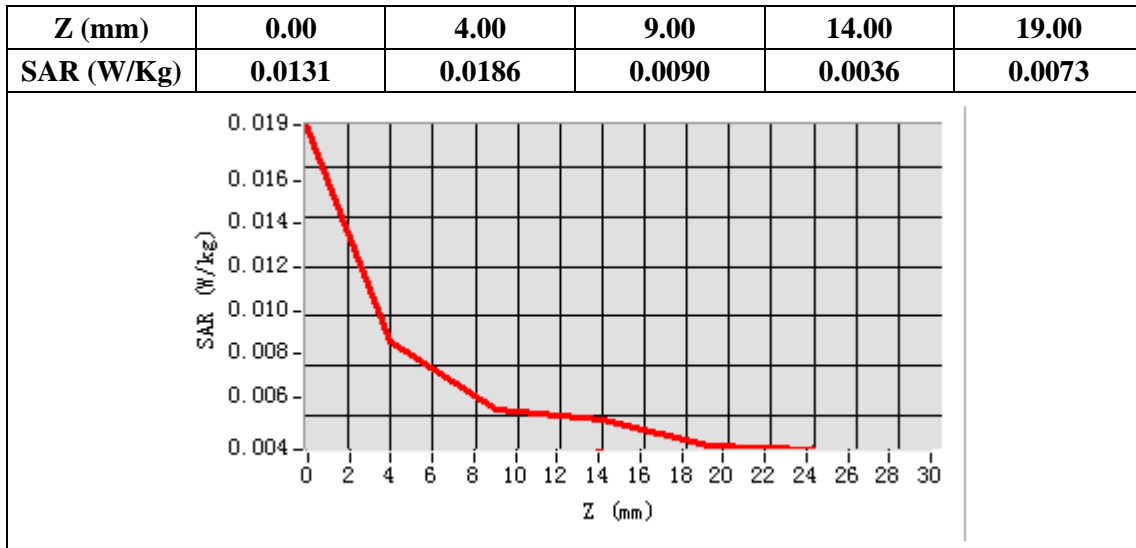
E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	2441
Relative permittivity (real part)	52.75
Relative permittivity (imaginary)	14.55
Conductivity (S/m)	1.98
Variation (%)	-2.59
ConvF:	2.47



Maximum location: X=30.00 Y=28.00

SAR Peak: 0.04 W/kg

SAR 10g (W/Kg)	0.011305
SAR 1g (W/Kg)	0.017657



Plot 39: WIFI 5G 802.11ac(20MHZ), Right Tilt 15 °, Middle

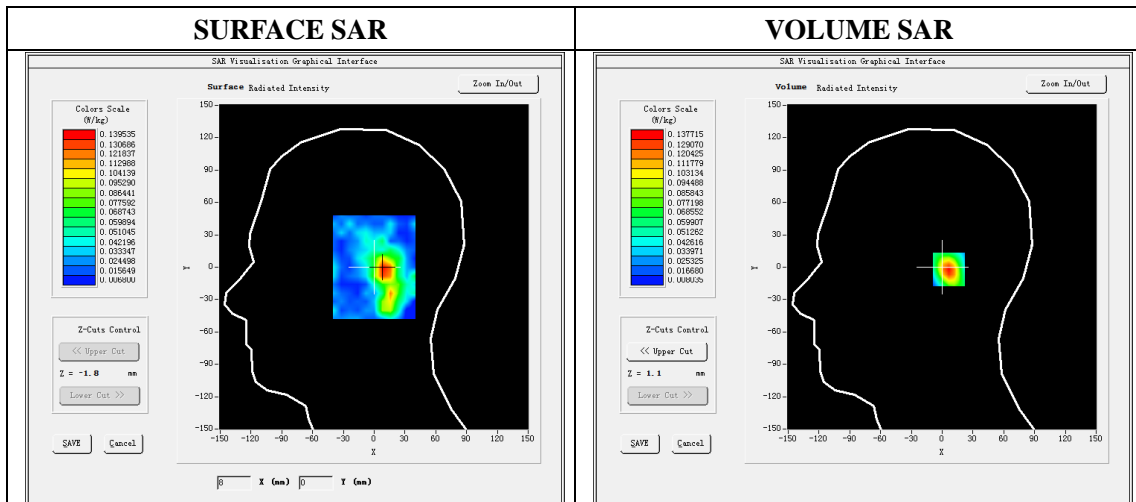
Type: Phone measurement
 Date of measurement: 09/18/2021
 Measurement duration: 22 minutes32 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=4mm,dy=4mm
ZoomScan	7x7x12,dx=4m, dy=4mm, dz=2mm
Phantom	Validation plane
Device Position	Right Tilt 15 °
Band	WIFI 5G
Channels	140
Signal	OFDM (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	5700
Relative permittivity (real part)	35.63
Relative permittivity (imaginary)	16.62
Conductivity (S/m)	5.17
Variation (%)	-3.62
ConvF:	2.28

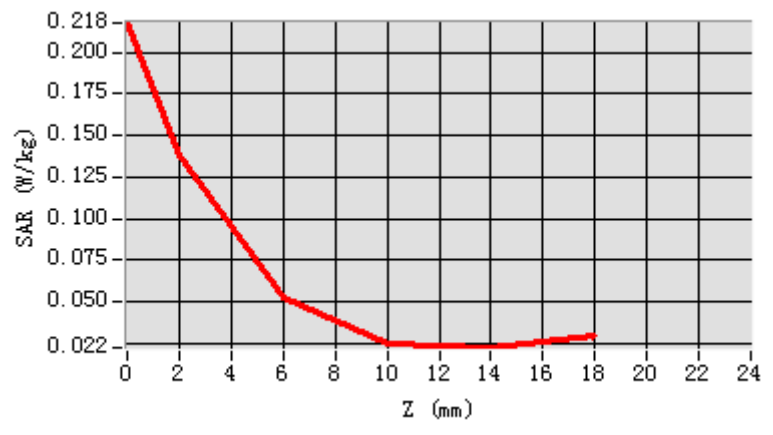


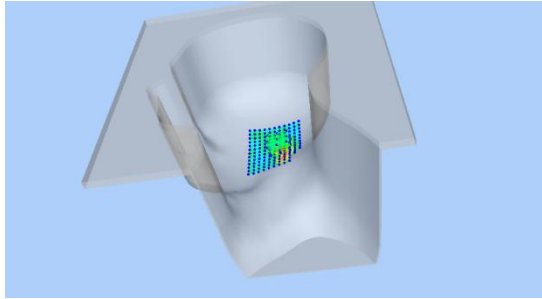
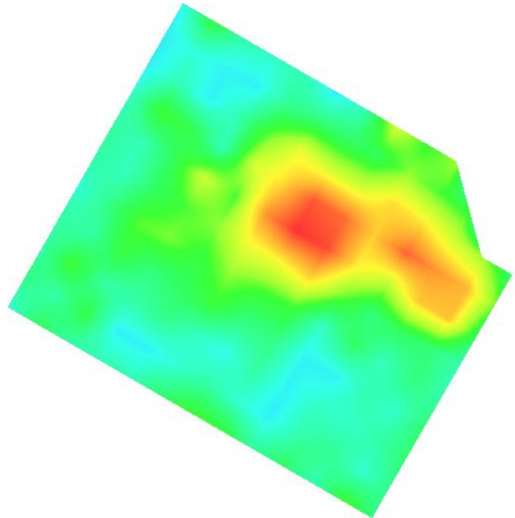
Maximum location: X=10.00 Y=-2.00

SAR Peak: 0.33 W/kg

SAR 10g (W/Kg)	0.061304
SAR 1g (W/Kg)	0.131544

Z (mm)	0.00	2.00	6.00	10.00	14.00
SAR (W/Kg)	0.2175	0.1377	0.0525	0.0252	0.0223



3D screen shot	Hot spot position
	

Plot 40: WIFI 5G 802.11ac(20MHz), Back , Middle,10mm

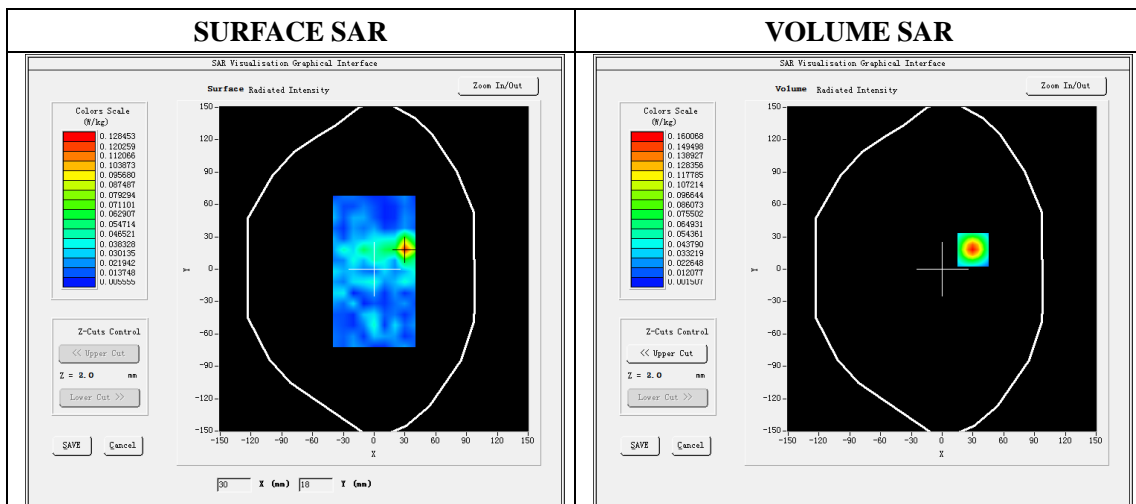
Type: Phone measurement
 Date of measurement: 09/18/2021
 Measurement duration: 22 minutes 34 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=4mm,dy=4mm
ZoomScan	7x7x12,dx=4m, dy=4mm, dz=2mm
Phantom	Validation plane
Device Position	Back
Band	WIFI 5G
Channels	140
Signal	OFDM (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	5700
Relative permittivity (real part)	48.58
Relative permittivity (imaginary)	18.71
Conductivity (S/m)	5.82
Variation (%)	-1.91
ConvF:	2.39

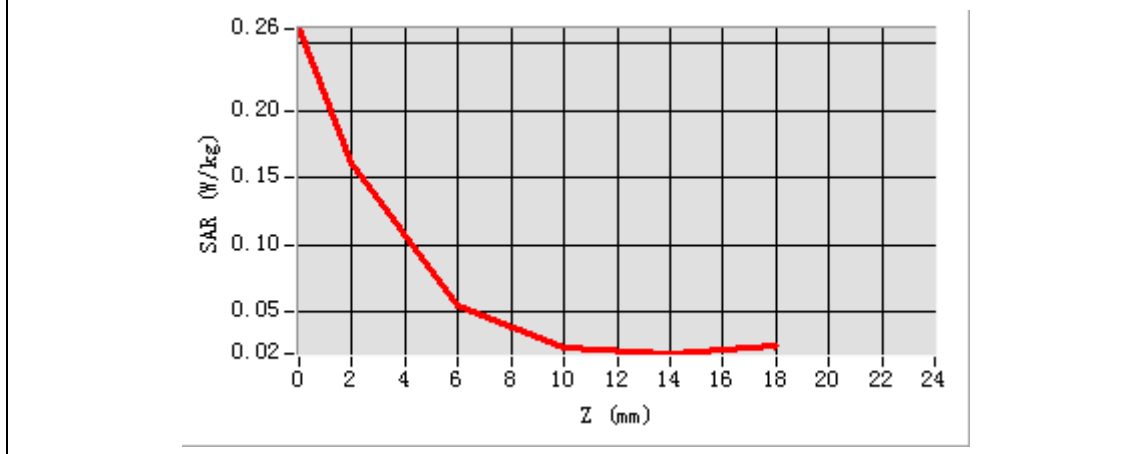


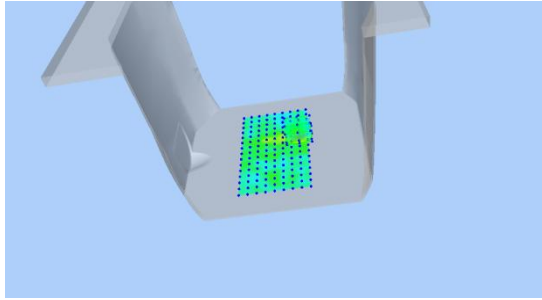
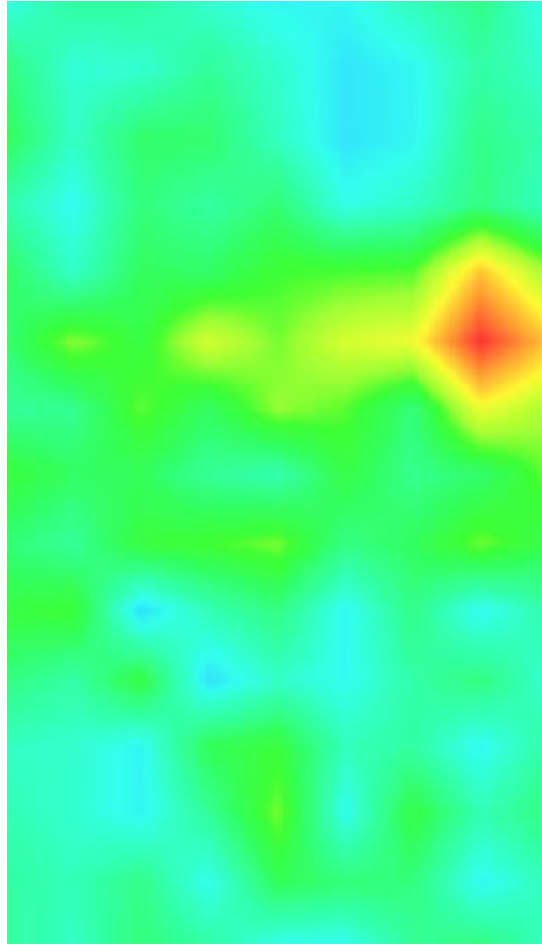
Maximum location: X=30.00 Y=18.00

SAR Peak: 0.27 W/kg

SAR 10g (W/Kg)	0.044005
SAR 1g (W/Kg)	0.093813

Z (mm)	0.00	2.00	6.00	10.00	14.00
SAR (W/Kg)	0.2605	0.1601	0.0553	0.0231	0.0192



3D screen shot	Hot spot position
	

Plot 41: LTE Band71, 20MHz,Left Check, Middle

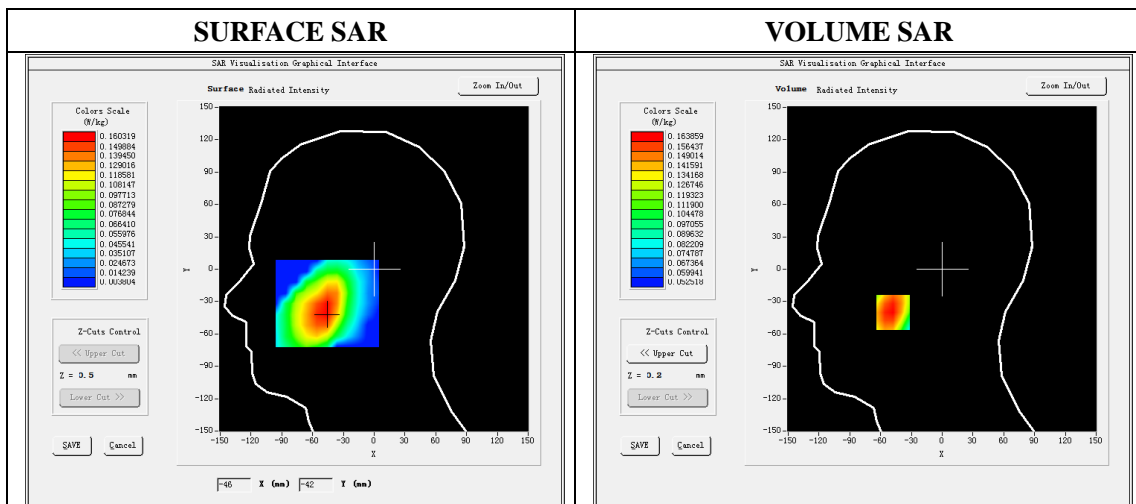
Type: Phone measurement
 Date of measurement: 11/09/2021
 Measurement duration: 22 minutes17 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm,dy=8mm
ZoomScan	5x5x7,dx=8m, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Left Cheek
Band	LTE Band 71
Channels	133322
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	683
Relative permittivity (real part)	42.47
Relative permittivity (imaginary)	24.28
Conductivity (S/m)	0.88
Variation (%)	-4.56
ConvF:	1.97

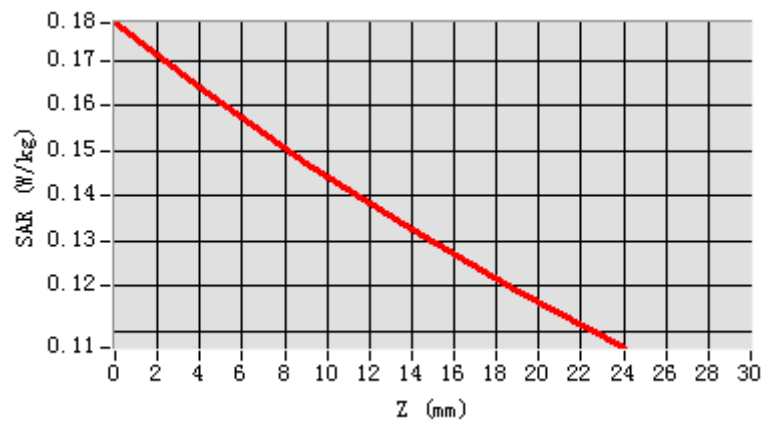


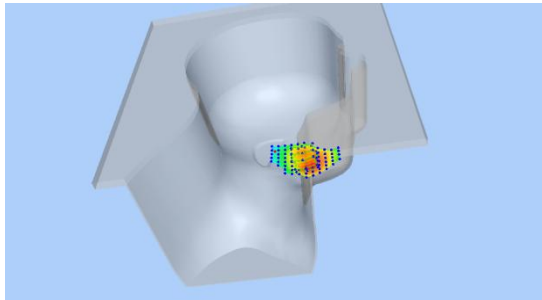
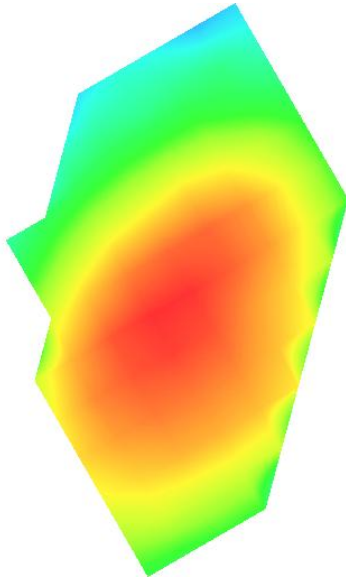
Maximum location: X=-48.00 Y=-40.00

SAR Peak: 0.18 W/kg

SAR 10g (W/Kg)	0.139442
SAR 1g (W/Kg)	0.165917

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1783	0.1639	0.1473	0.1324	0.1188



3D screen shot	Hot spot position
	

Plot 42: LTE Band71, 20MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 11/09/2021

Measurement duration: 22 minutes 24 seconds

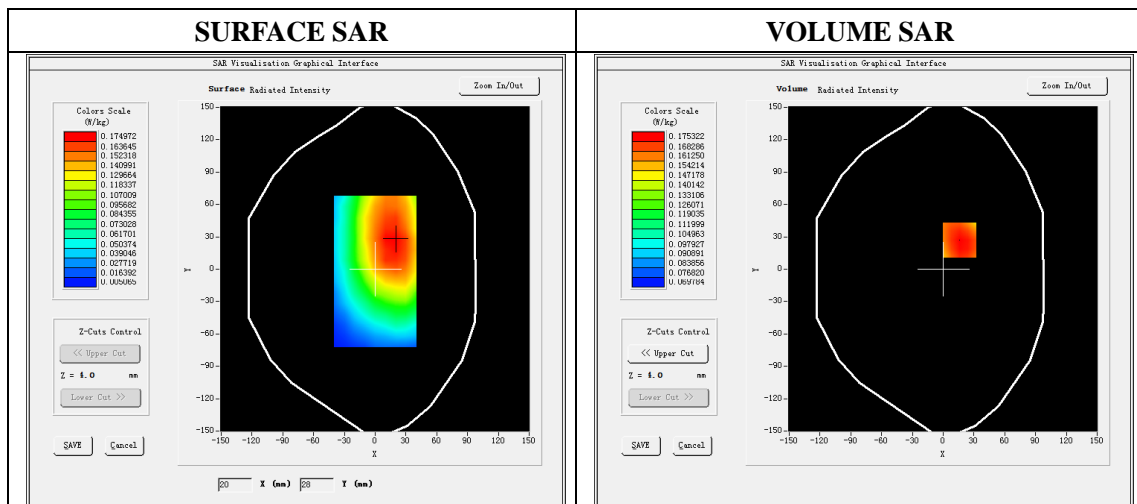
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm,dy=8mm
ZoomScan	5x5x7,dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back
Band	LTE Band 71
Channels	133322
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_36/20_EPGO348
Frequency (MHz)	683
Relative permittivity (real part)	56.14
Relative permittivity (imaginary)	27.62
Conductivity (S/m)	0.92
Variation (%)	-3.09
ConvF:	1.58

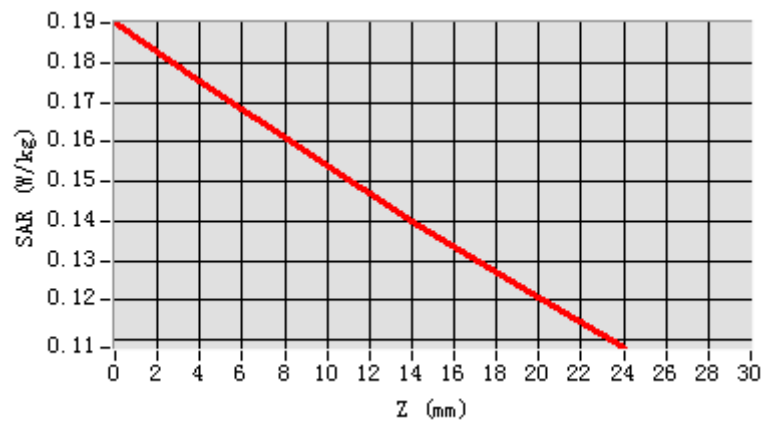


Maximum location: X=16.00 Y=27.00

SAR Peak: 0.20 W/kg

SAR 10g (W/Kg)	0.151138
SAR 1g (W/Kg)	0.178191

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1901	0.1753	0.1574	0.1402	0.1236



3D screen shot	Hot spot position
