

Appendix B: SAR Measurement results Plots

Plot	Frequency/Mode	Testing Position and Channel	Test Date
1	GSM850	Right Cheek Middle	2020/06/16
2	GSM850/GPRS4Tx	Body Back, Middle ,10mm	2020/06/16
3	GSM850/GPRS4Tx	Edge B, Middle ,10mm	2020/06/16
4	GSM1900	Left Cheek Middle	2020/06/19
5	GSM1900/GPRS4Tx	Body Face, Middle ,10mm	2020/06/19
6	GSM1900/GPRS4Tx	Edge C, Middle ,10mm	2020/06/19
7	WCDMA1900	Left Cheek Middle	2020/06/19
8	WCDMA1900	Body Face, Middle ,10mm	2020/06/19
9	WCDMA1900	Edge C, Middle ,10mm	2020/06/19
10	WCDMA850	Right Cheek Middle	2020/06/16
11	WCDMA850	Body Face, Middle ,10mm	2020/06/16
12	WCDMA850	Edge B, Middle ,10mm	2020/06/16
13	LTE Band2	Left Cheek Middle	2020/06/19
14	LTE Band2	Body Face, Middle ,10mm	2020/06/19
15	LTE Band2	Edge C, Middle ,10mm	2020/06/19
16	LTE Band4	Right Cheek Middle	2020/06/18
17	LTE Band4	Body Back, Middle ,10mm	2020/06/18
18	LTE Band4	Edge C, Middle ,10mm	2020/06/18
19	LTE Band5	Left Cheek Middle	2020/06/16
20	LTE Band5	Body Back, Middle ,10mm	2020/06/16
21	LTE Band5	Edge B, Middle ,10mm	2020/06/16
22	LTE Band7	Right Cheek Middle	2020/06/21
23	LTE Band7	Body Face, Middle ,10mm	2020/06/21
24	LTE Band7	Edge C, Middle ,10mm	2020/06/21
25	WIFI 2.4G 802.11b	Left Cheek Middle	2020/06/20
26	WIFI 2.4G 802.11b	Body Face, Middle ,10mm	2020/06/20
27	WIFI 2.4G 802.11b	Edge B, Middle ,10mm	2020/06/20
28	WIFI 5G 802.11n	Right Cheek Middle	2020/07/20
29	WIFI 5G 802.11n	Body Back, Middle ,10mm	2020/07/20

Plot 1: GSM850, Right Cheek, Middle

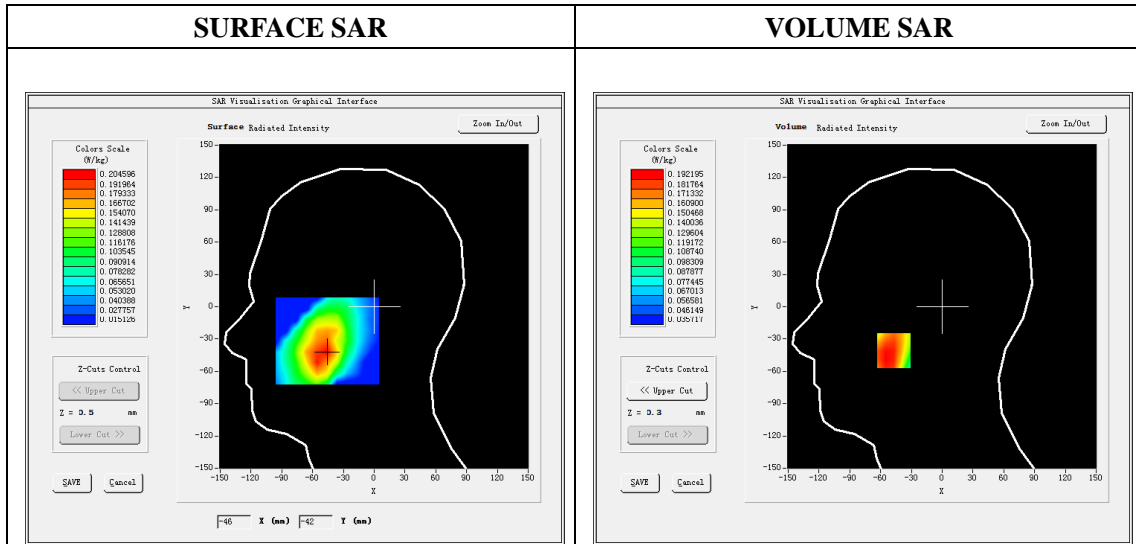
Type: Phone measurement
 Date of measurement: 06/16/2020
 Measurement duration: 22 minutes 10 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	836.6
Relative permittivity (real part)	41.55
Relative permittivity (imaginary part)	20.48
Conductivity (S/m)	0.95
Variation (%)	-1.87
ConvF:	1.60

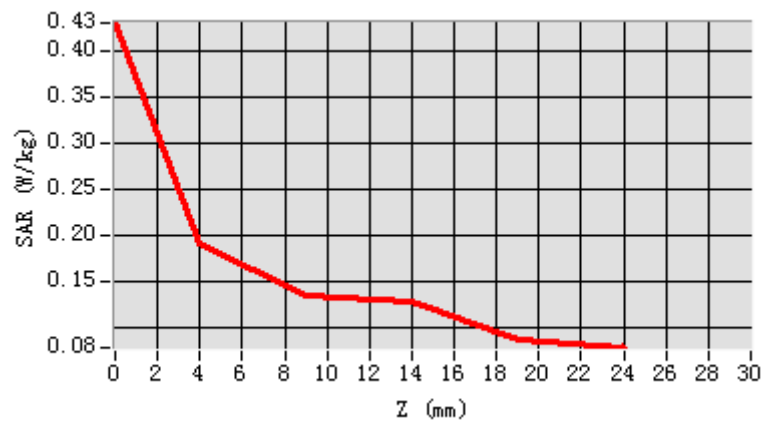


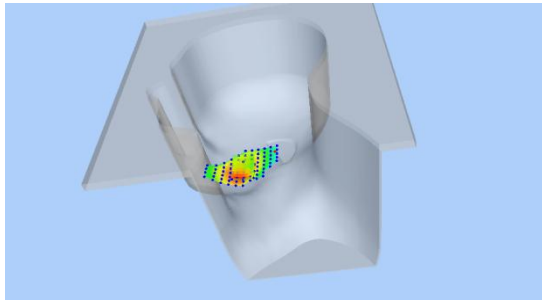
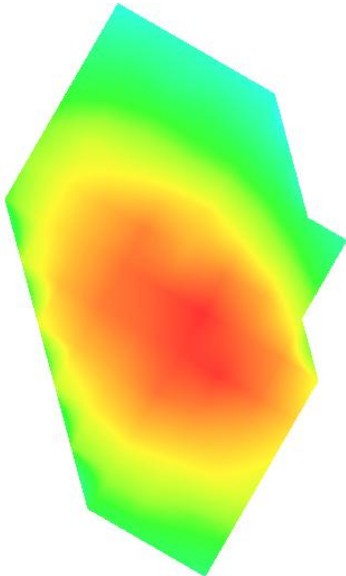
Maximum location: X=-47.00, Y=-41.00

SAR Peak: 0.23W/kg

SAR 10g (W/Kg)	0.145404
SAR 1g (W/Kg)	0.188080

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4299	0.1922	0.1351	0.1286	0.0873



3D screen shot	Hot spot position
	

Plot 2: GPRS850, Back, Middle,10mm

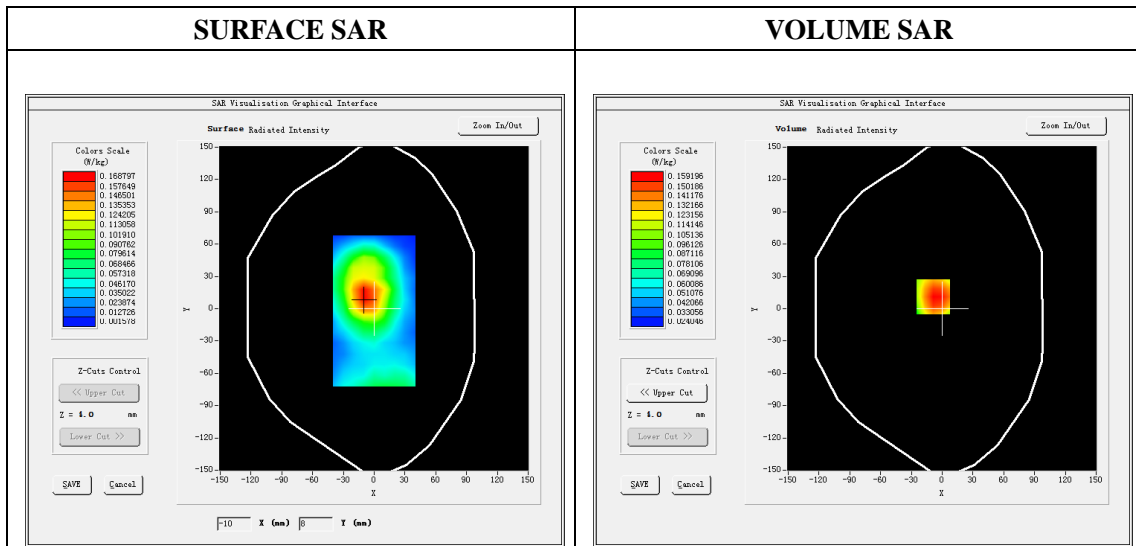
Type: Phone measurement
 Date of measurement: 06/16/2020
 Measurement duration: 22 minutes 30 seconds
 Mobile Phone IMEI number: --

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_41/18_EPG0334
Frequency (MHz)	836.6
Relative permittivity (real part)	55.21
Relative permittivity (imaginary part)	21.13
Conductivity (S/m)	0.98
Variation (%)	3.61
ConvF:	1.64

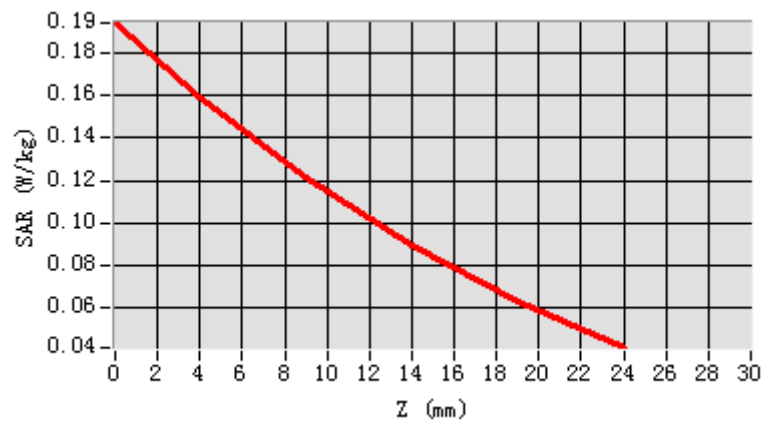


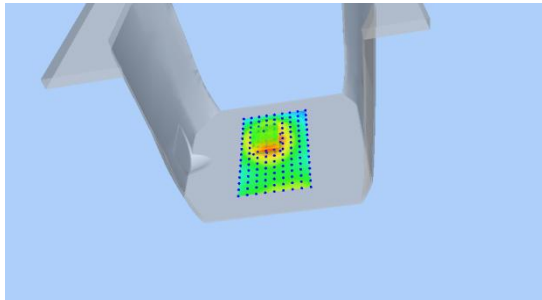
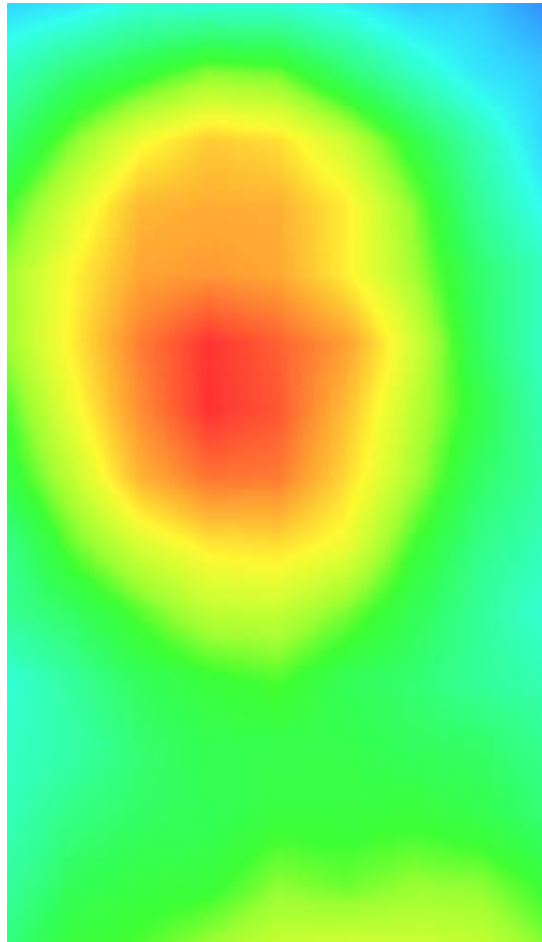
Maximum location: X=-9.00, Y=11.00

SAR Peak: 0.20 W/kg

SAR 10g (W/Kg)	0.106636
SAR 1g (W/Kg)	0.153779

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1943	0.1592	0.1211	0.0891	0.0626



3D screen shot	Hot spot position
	

Plot 3: GPRS850, Edge B, Middle,10mm

Type: Phone measurement

Date of measurement: 06/16/2020

Measurement duration: 22 minutes 12 seconds

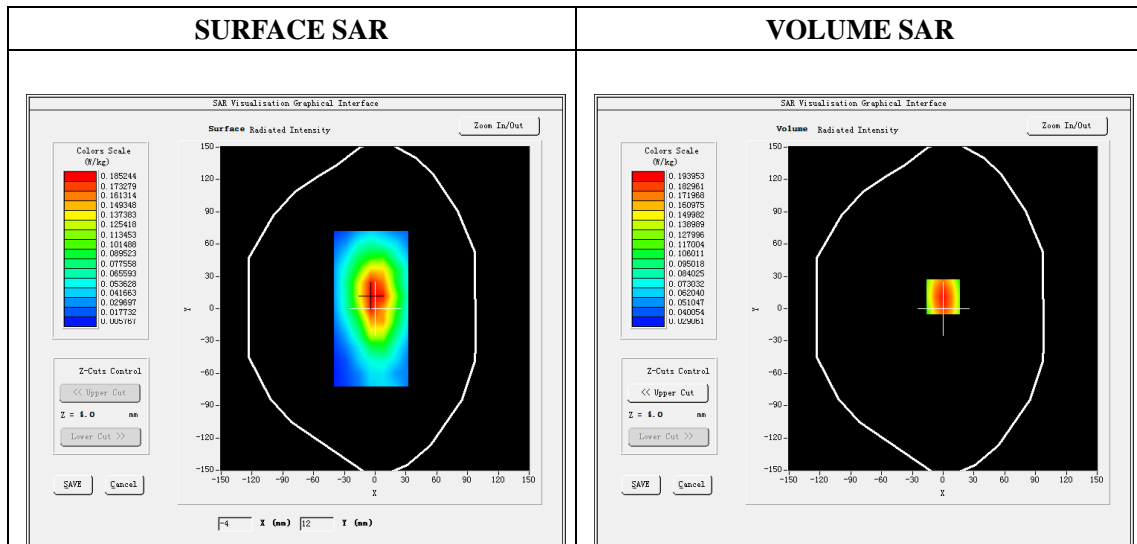
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	836.6
Relative permittivity (real part)	55.21
Relative permittivity (imaginary part)	21.13
Conductivity (S/m)	0.98
Variation (%)	2.20
ConvF:	1.64

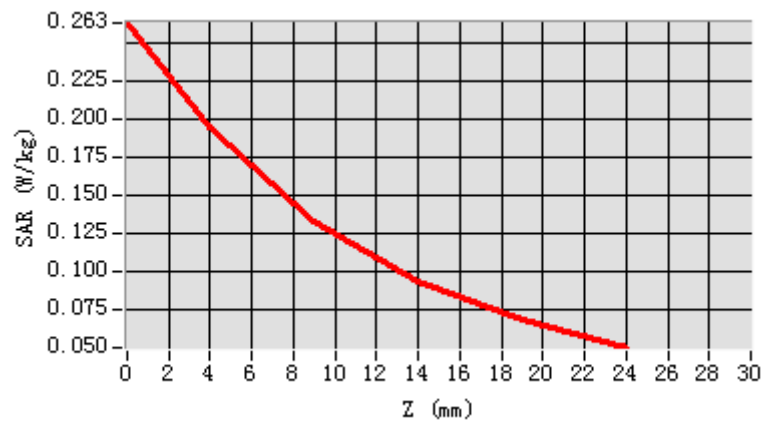


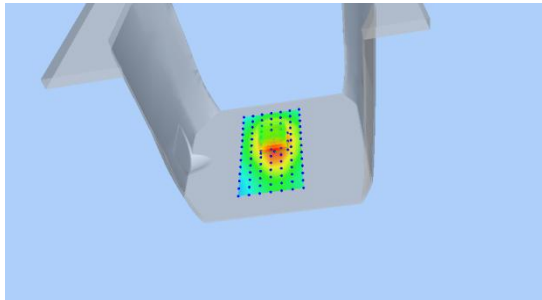
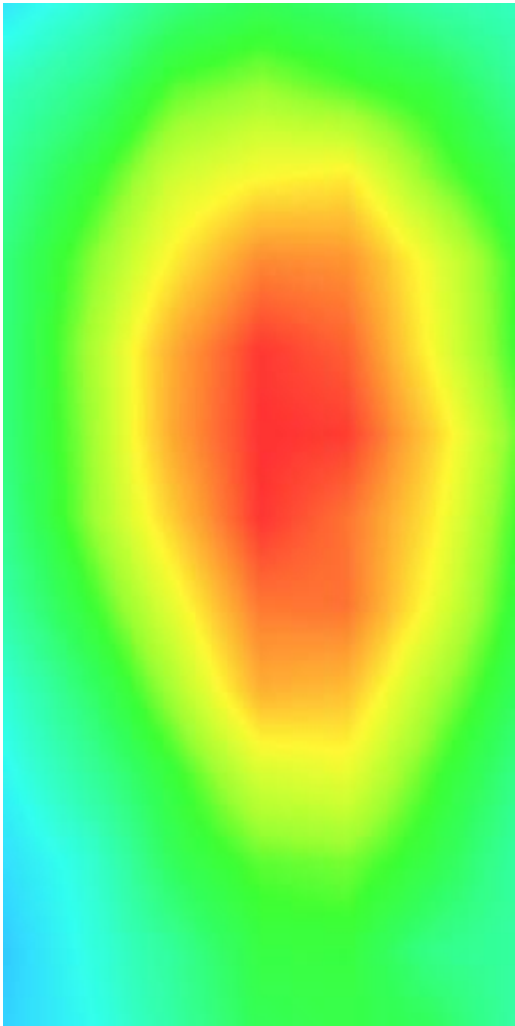
Maximum location: X=0.00, Y=11.00

SAR Peak: 0.26 W/kg

SAR 10g (W/Kg)	0.122837
SAR 1g (W/Kg)	0.184838

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2626	0.1940	0.1332	0.0938	0.0685



3D screen shot	Hot spot position
	

Plot 4: GSM1900, Left Cheek, Middle

Type: Phone measurement

Date of measurement: 06/19/2020

Measurement duration: 22 minutes 18 seconds

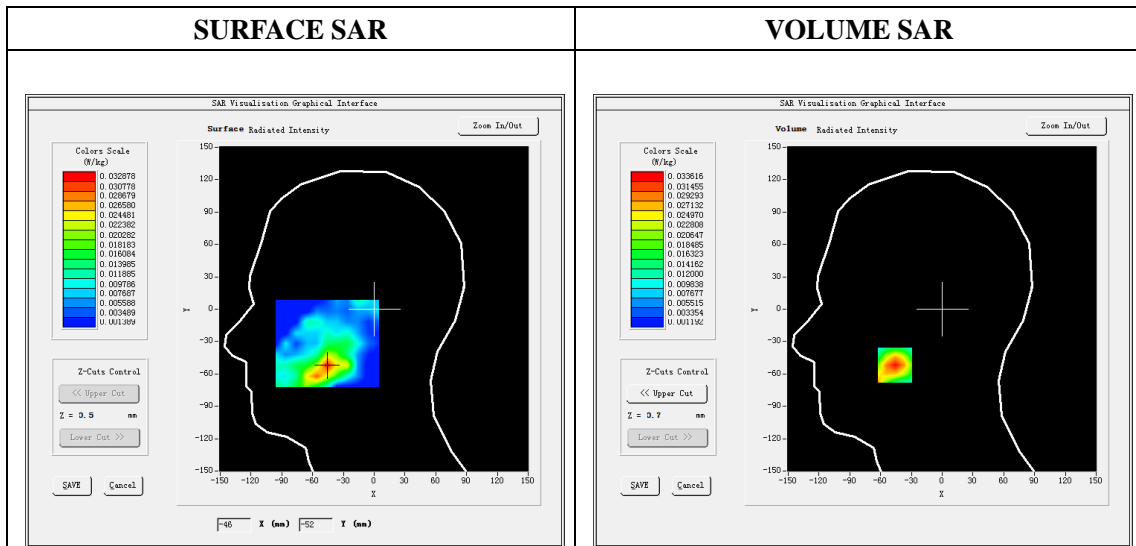
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	1880
Relative permittivity (real part)	40.48
Relative permittivity (imaginary part)	13.07
Conductivity (S/m)	1.38
Variation (%)	-2.51
ConvF:	2.03

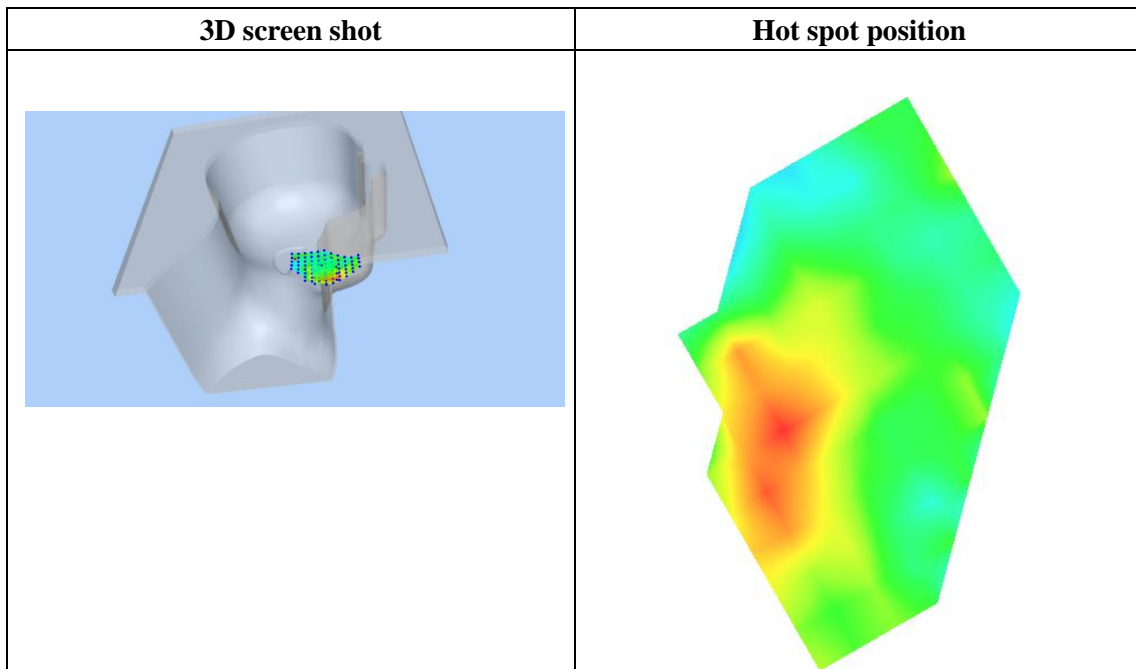
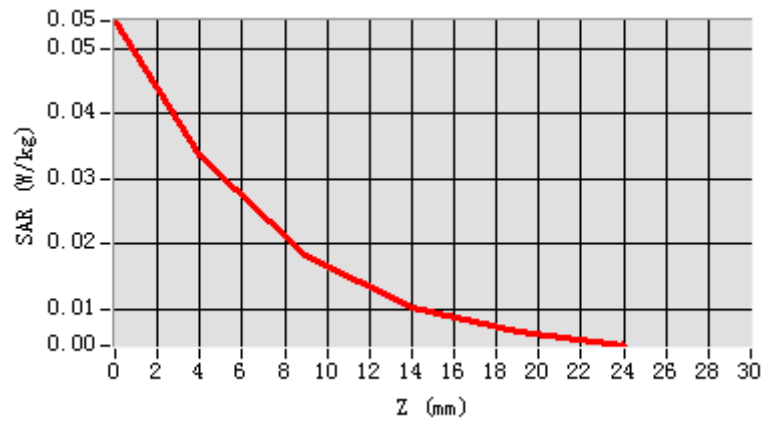


Maximum location: X=-46.00, Y=-52.00

SAR Peak: 0.05 W/kg

SAR 10g (W/Kg)	0.016691
SAR 1g (W/Kg)	0.031313

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0542	0.0336	0.0182	0.0103	0.0066



Plot 5: GPRS1900, Face, Middle ,10mm

Type: Phone measurement

Date of measurement: 06/19/2020

Measurement duration: 22 minutes 32 seconds

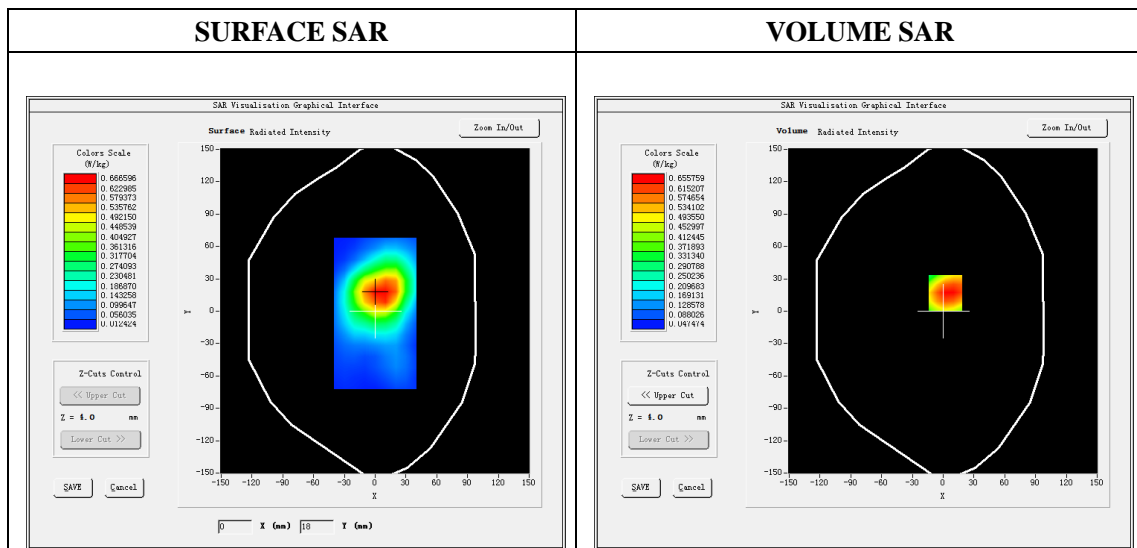
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	1880
Relative permittivity (real part)	5329
Relative permittivity (imaginary part)	14.31
Conductivity (S/m)	1.51
Variation (%)	-3.26
ConvF:	2.08

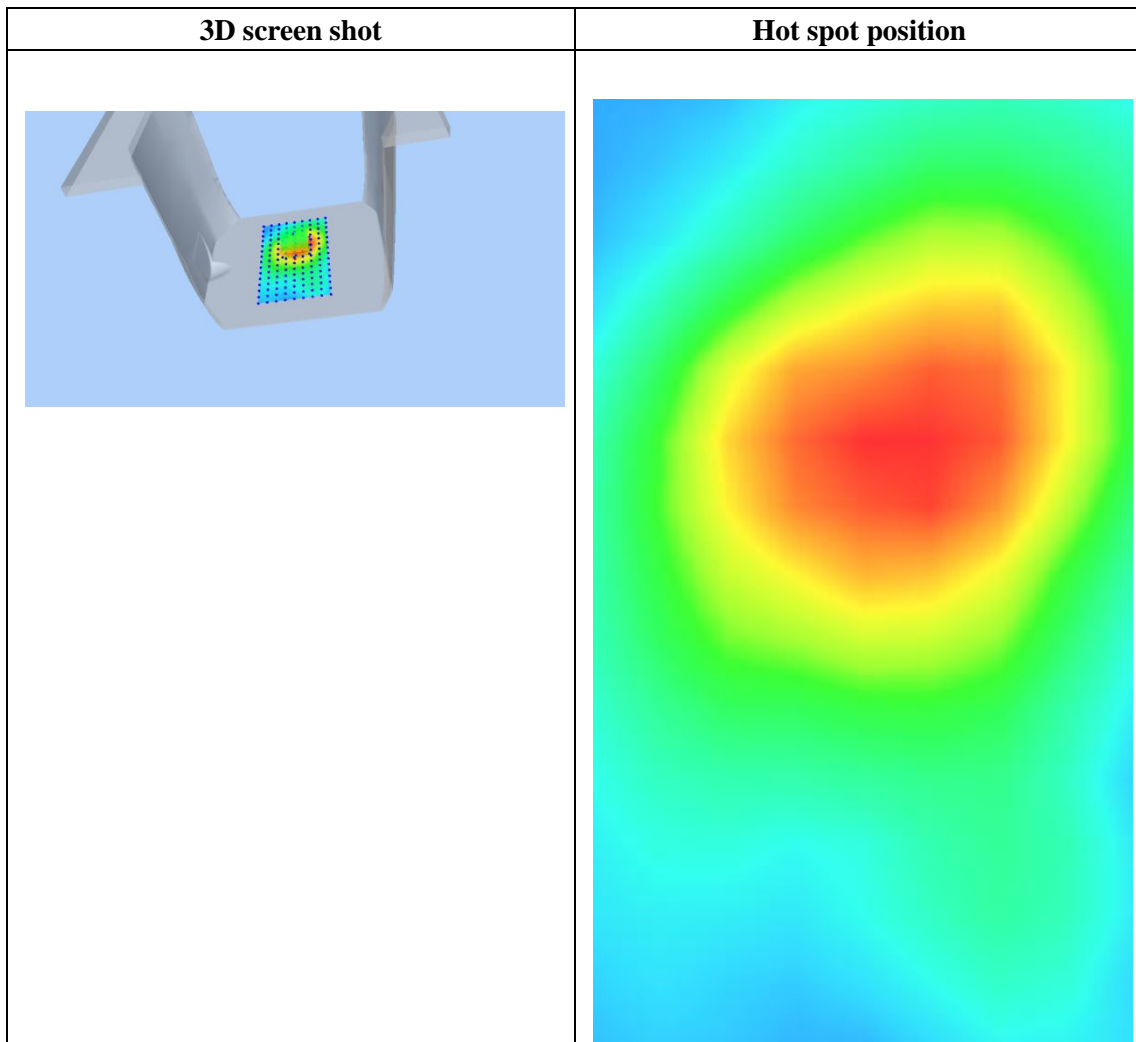
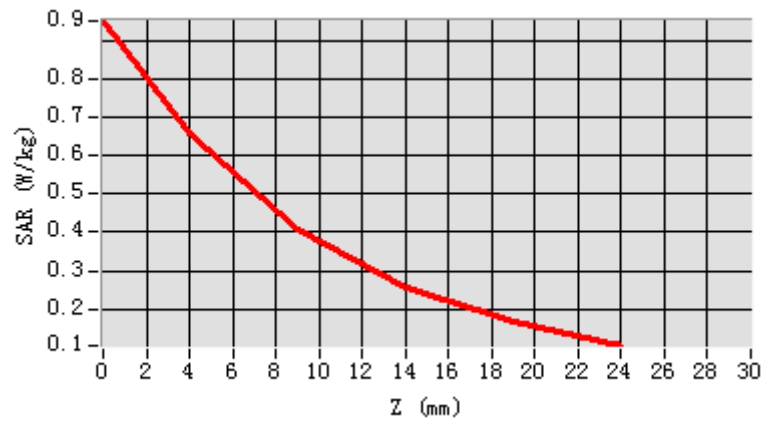


Maximum location: X=2.00, Y=17.00

SAR Peak: 0.96 W/kg

SAR 10g (W/Kg)	0.387128
SAR 1g (W/Kg)	0.628563

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.9498	0.6558	0.4080	0.2563	0.1657



Plot 6: GPRS1900, Edge C, Middle ,10mm

Type: Phone measurement

Date of measurement: 06/19/2020

Measurement duration: 22 minutes 15 seconds

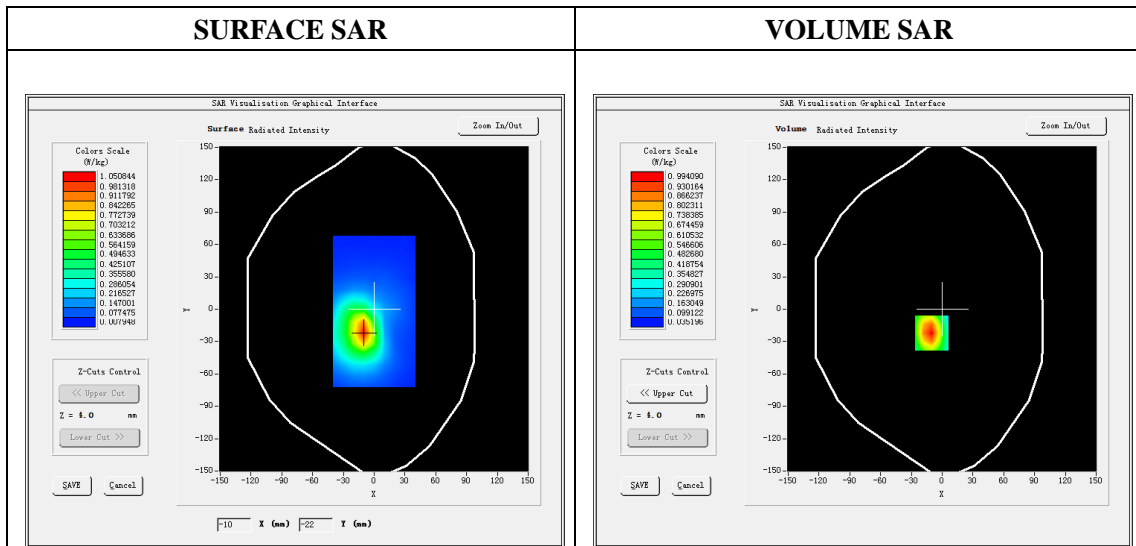
Mobile Phone IMEI number: --

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_41/18_EPG0334
Frequency (MHz)	1880
Relative permittivity (real part)	5329
Relative permittivity (imaginary part)	14.31
Conductivity (S/m)	1.51
Variation (%)	-3.32
ConvF:	2.08

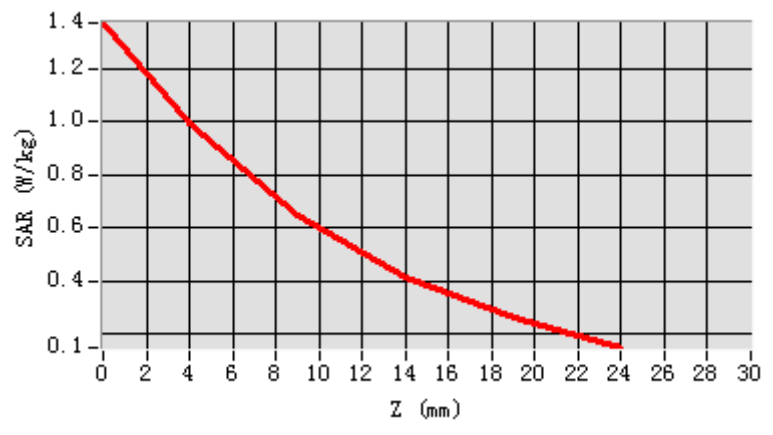


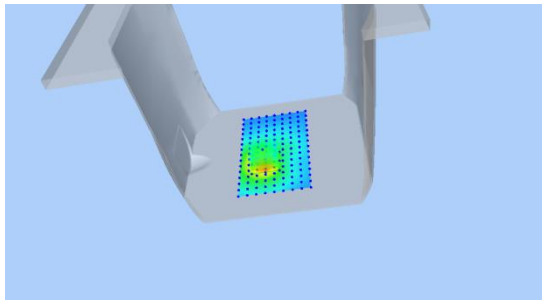
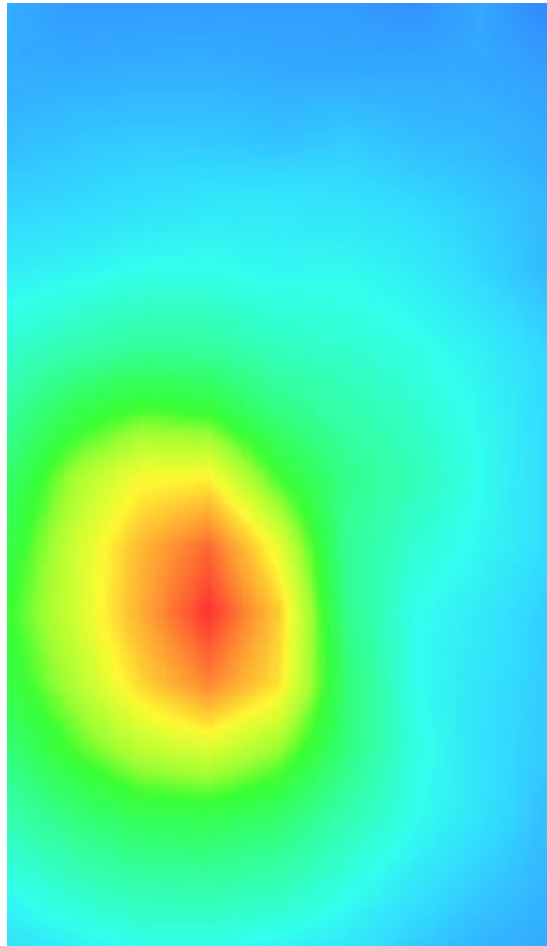
Maximum location: X=-10.00, Y=-22.00

SAR Peak: 1.39 W/kg

SAR 10g (W/Kg)	0.529379
SAR 1g (W/Kg)	0.929049

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.3711	0.9941	0.6505	0.4165	0.2593



3D screen shot	Hot spot position
	

Plot 7: WCDMA1900, Left Cheek, Middle

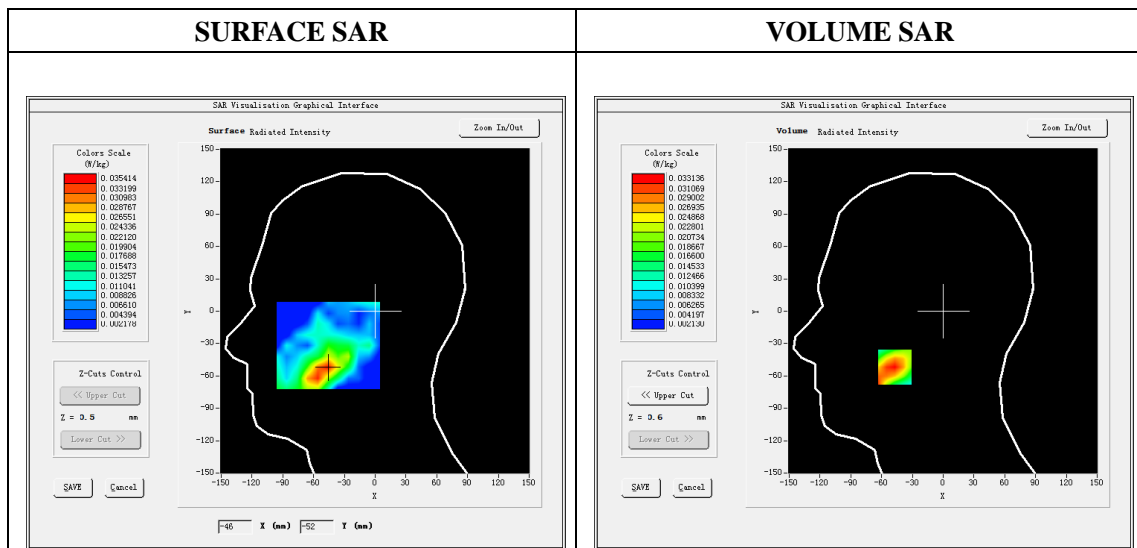
Type: Phone measurement
 Date of measurement: 06/19/2020
 Measurement duration: 22 minutes 13 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	1880
Relative permittivity (real part)	40.48
Relative permittivity (imaginary)	13.07
Conductivity (S/m)	1.38
Variation (%)	-3.30
ConvF:	2.03

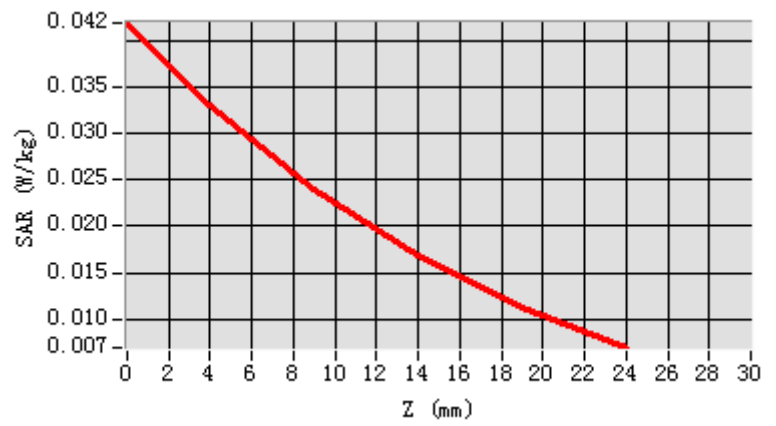


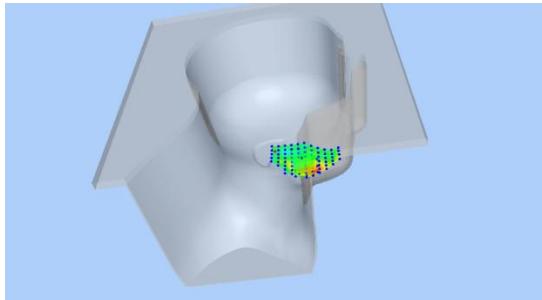
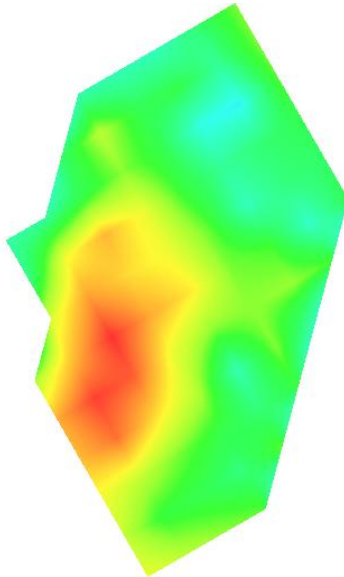
Maximum location: X=-47.00, Y=-52.00

SAR Peak: 0.04W/kg

SAR 10g (W/Kg)	0.019631
SAR 1g (W/Kg)	0.031227

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0420	0.0331	0.0240	0.0168	0.0112



3D screen shot	Hot spot position
	

Plot 8: WCDMA1900, Face, Middle,10mm

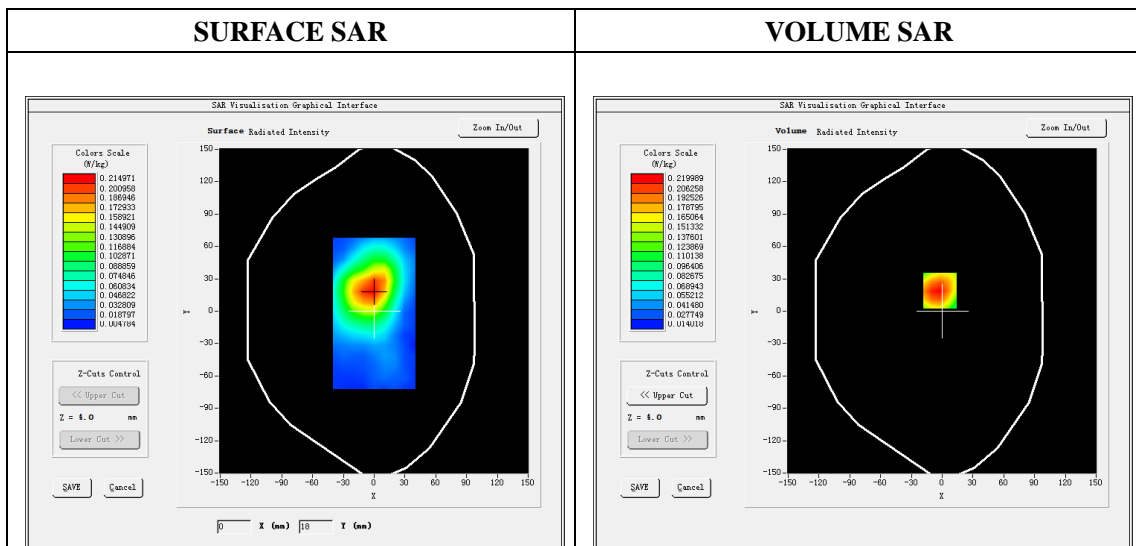
Type: Phone measurement
 Date of measurement: 06/19/2020
 Measurement duration: 22 minutes 31 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	1880
Relative permittivity (real part)	53.29
Relative permittivity (imaginary)	14.31
Conductivity (S/m)	1.51
Variation (%)	-3.91
ConvF:	2.08

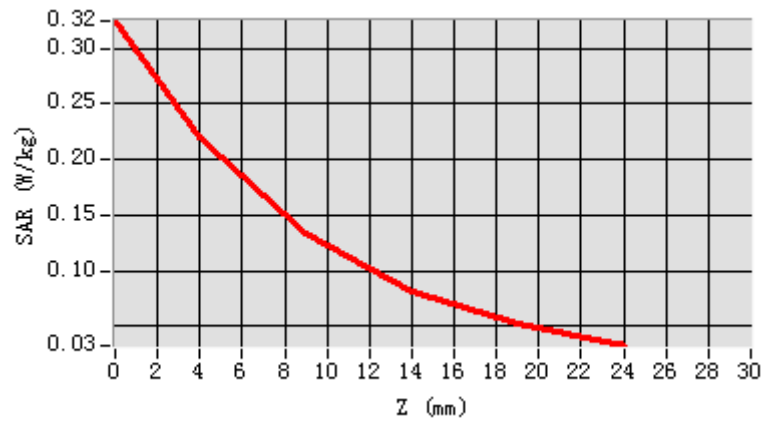


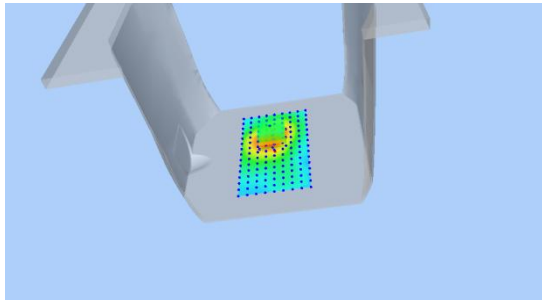
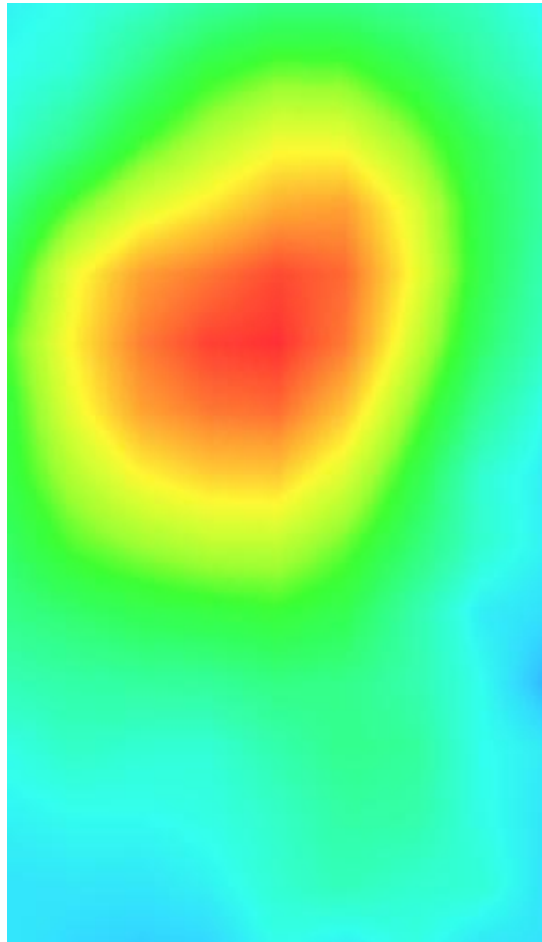
Maximum location: X=-2.00, Y=19.00

SAR Peak: 0.33W/kg

SAR 10g (W/Kg)	0.125693
SAR 1g (W/Kg)	0.209856

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3246	0.2200	0.1334	0.0818	0.0519



3D screen shot	Hot spot position
	

Plot 9: WCDMA1900, Edge C, Middle,10mm

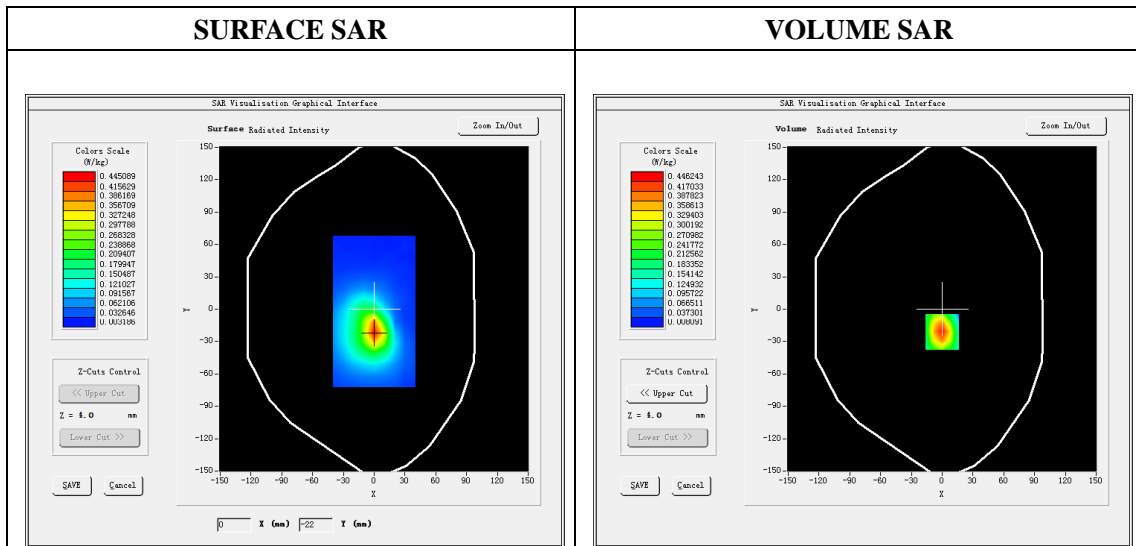
Type: Phone measurement
 Date of measurement: 06/19/2020
 Measurement duration: 22 minutes 16 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	1880
Relative permittivity (real part)	53.29
Relative permittivity (imaginary)	14.31
Conductivity (S/m)	1.51
Variation (%)	-2.86
ConvF:	2.08

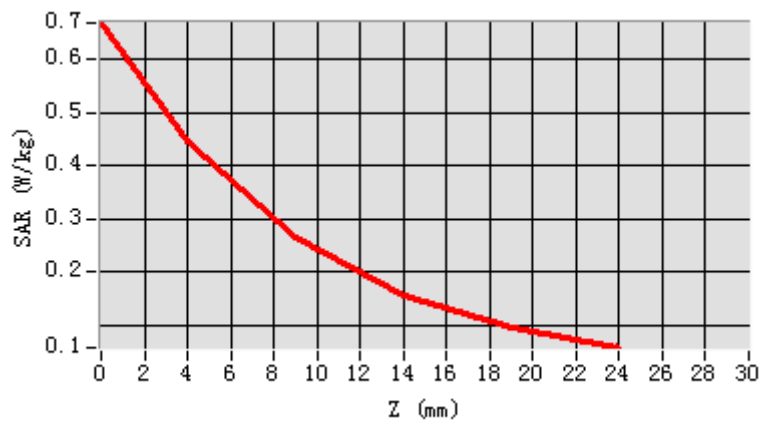


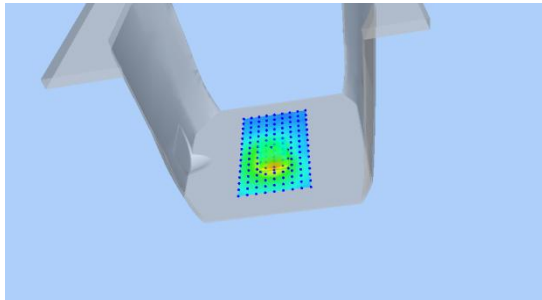
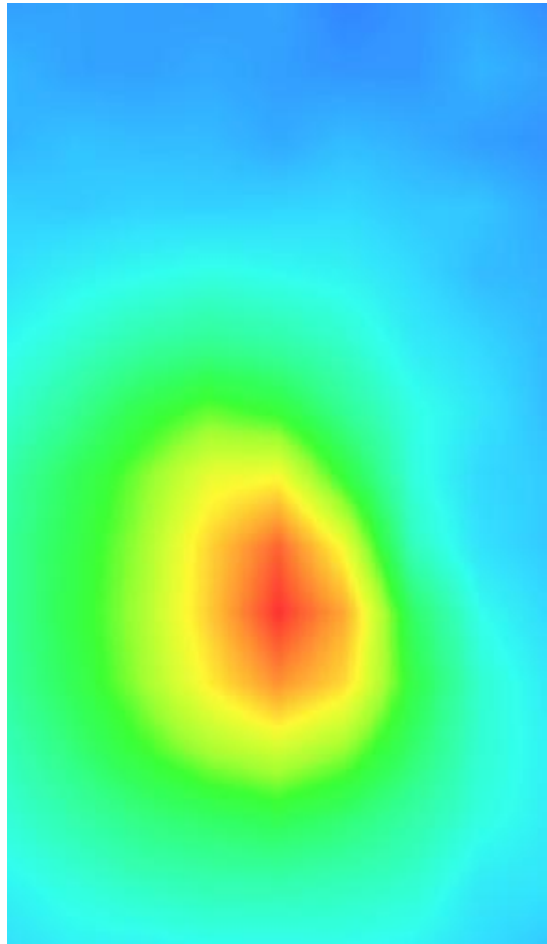
Maximum location: X=0.00, Y=-21.00

SAR Peak: 0.67W/kg

SAR 10g (W/Kg)	0.222061
SAR 1g (W/Kg)	0.413285

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6691	0.4462	0.2639	0.1568	0.0958



3D screen shot	Hot spot position
	

Plot 10: WCDMA850, Right Cheek, Middle

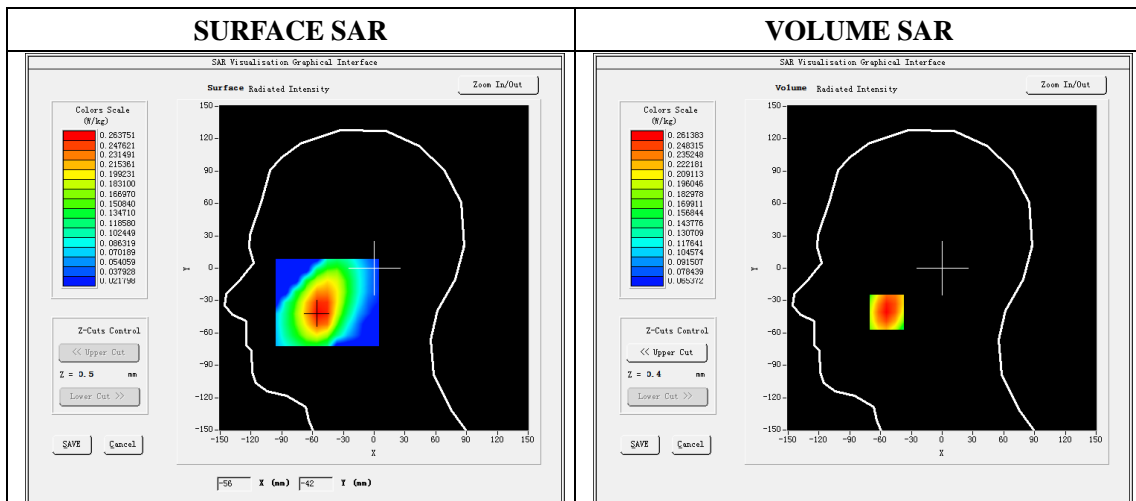
Type: Phone measurement
 Date of measurement: 06/16/2020
 Measurement duration: 22 minutes 14 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

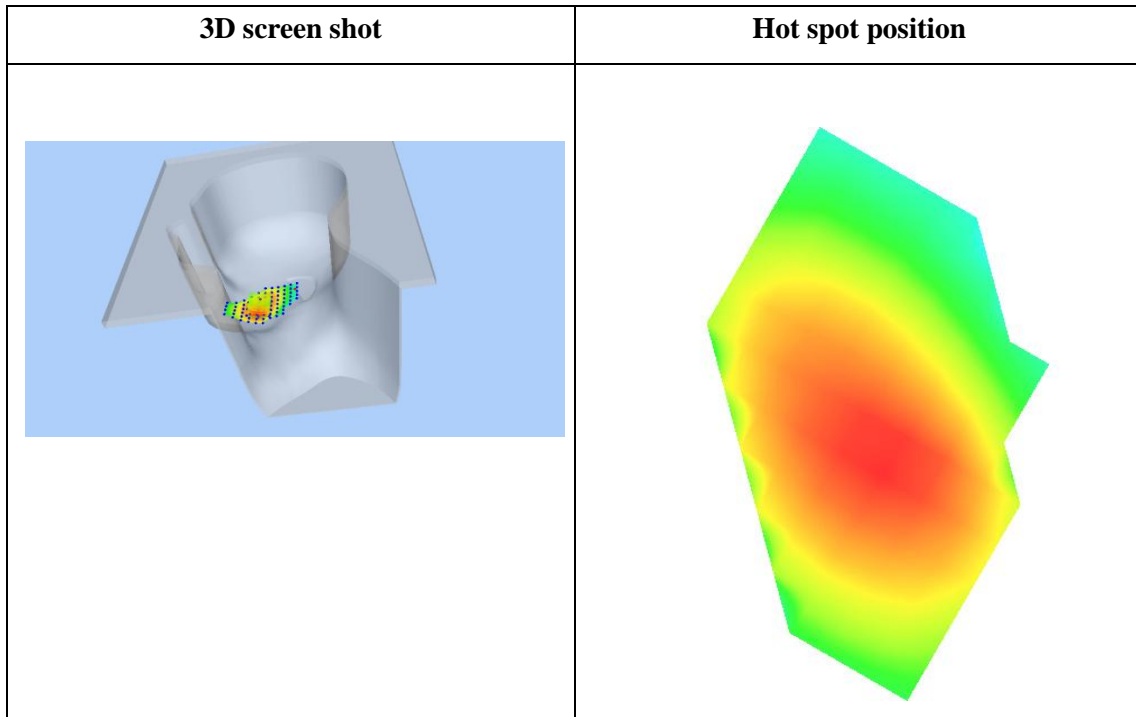
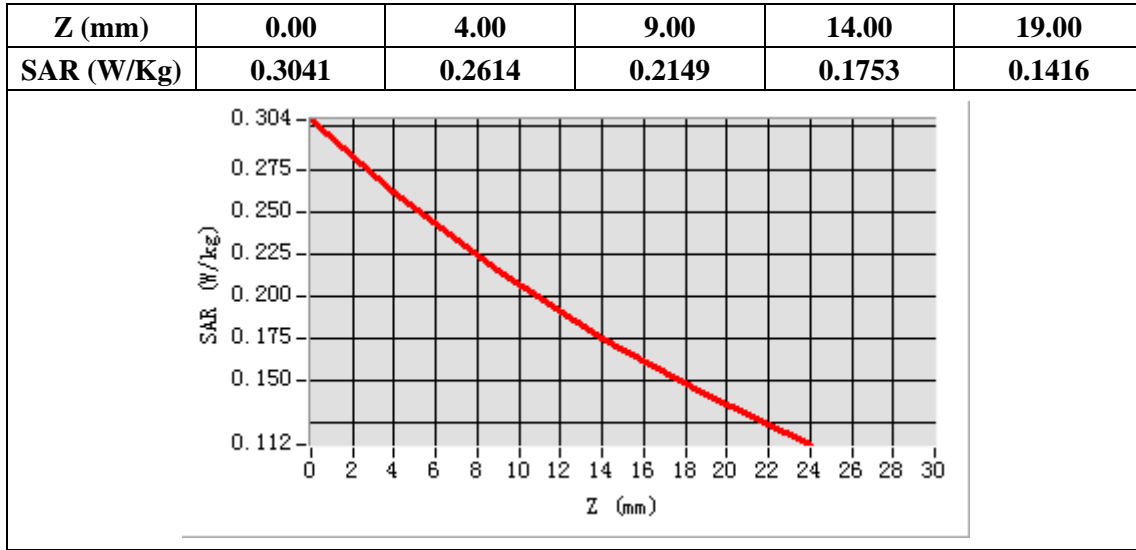
E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	836.6
Relative permittivity (real part)	41.55
Relative permittivity (imaginary)	20.48
Conductivity (S/m)	0.95
Variation (%)	-4.53
ConvF:	1.60



Maximum location: X=-54.00, Y=-41.00

SAR Peak: 0.31W/kg

SAR 10g (W/Kg)	0.193069
SAR 1g (W/Kg)	0.252501



Plot 11: WCDMA850, Face, Middle,10mm

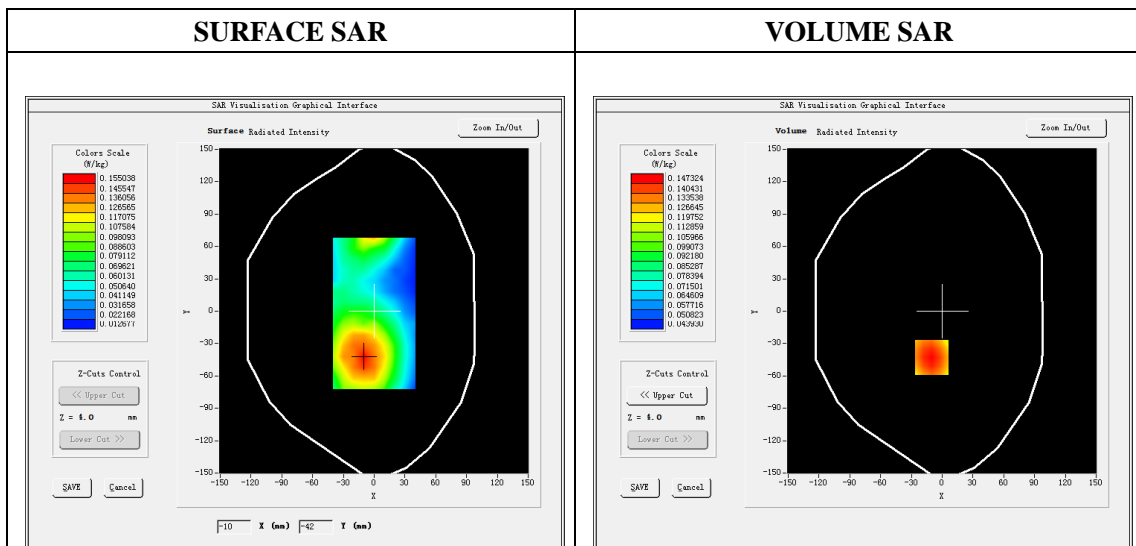
Type: Phone measurement
 Date of measurement: 06/16/2020
 Measurement duration: 22 minutes 36 seconds
 Mobile Phone IMEI number: --

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_41/18_EPG0334
Frequency (MHz)	836.6
Relative permittivity (real part)	55.21
Relative permittivity (imaginary)	21.13
Conductivity (S/m)	0.98
Variation (%)	-3.57
ConvF:	1.64

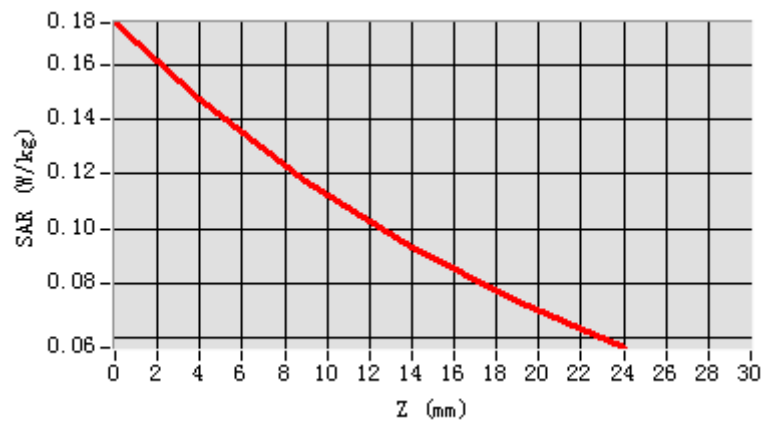


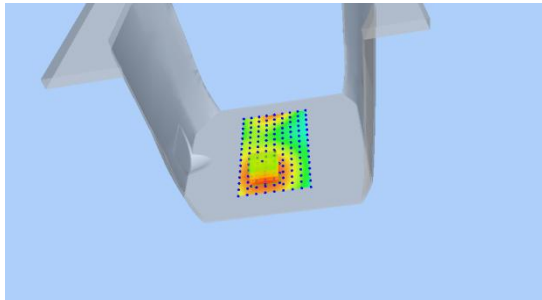
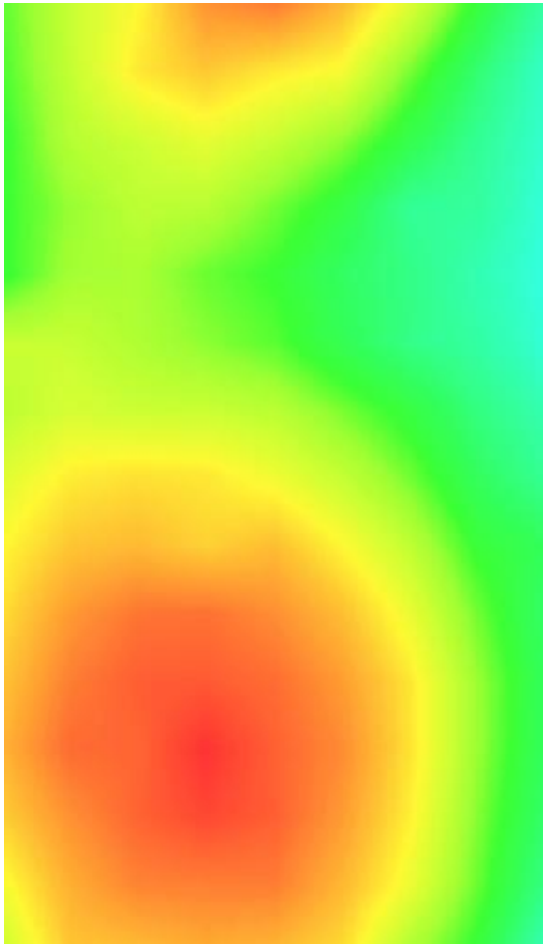
Maximum location: X=-10.00, Y=-43.00

SAR Peak: 0.18W/kg

SAR 10g (W/Kg)	0.108265
SAR 1g (W/Kg)	0.142514

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1754	0.1473	0.1177	0.0934	0.0734



3D screen shot	Hot spot position
	

Plot 12: WCDMA850, Edge B, Middle,10mm

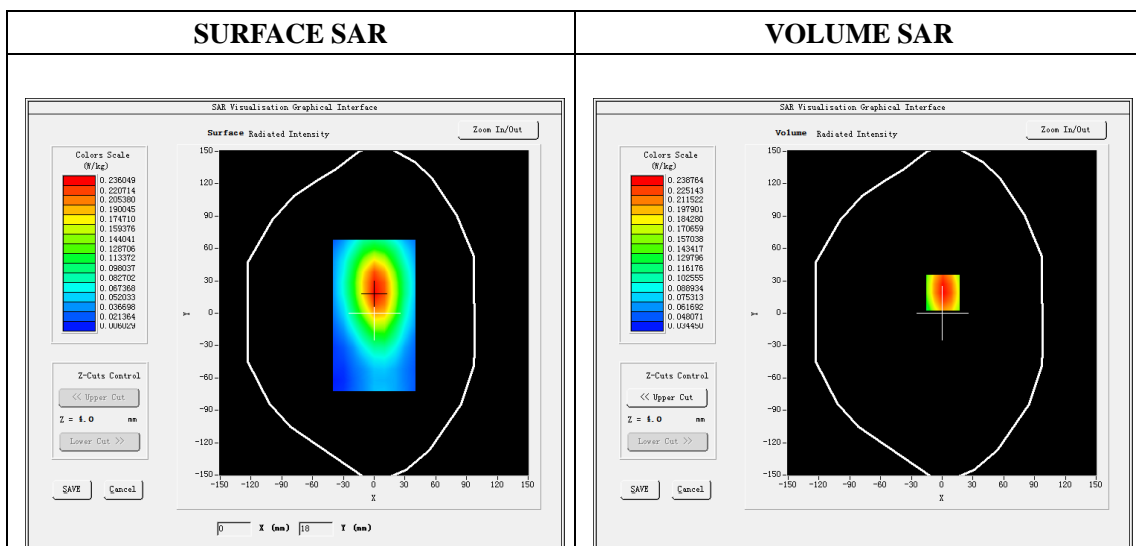
Type: Phone measurement
 Date of measurement: 06/16/2020
 Measurement duration: 22 minutes 17 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	836.6
Relative permittivity (real part)	55.21
Relative permittivity (imaginary)	21.13
Conductivity (S/m)	0.98
Variation (%)	-2.65
ConvF:	1.64

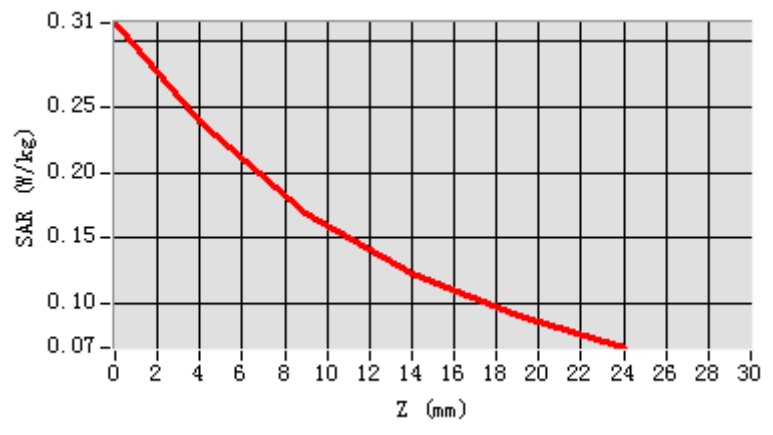


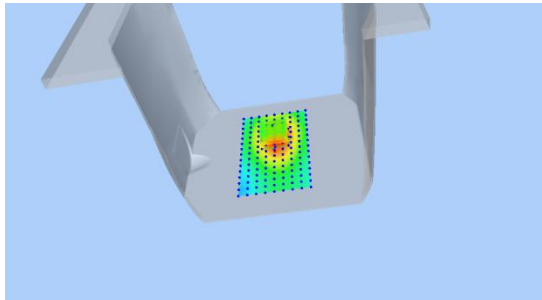
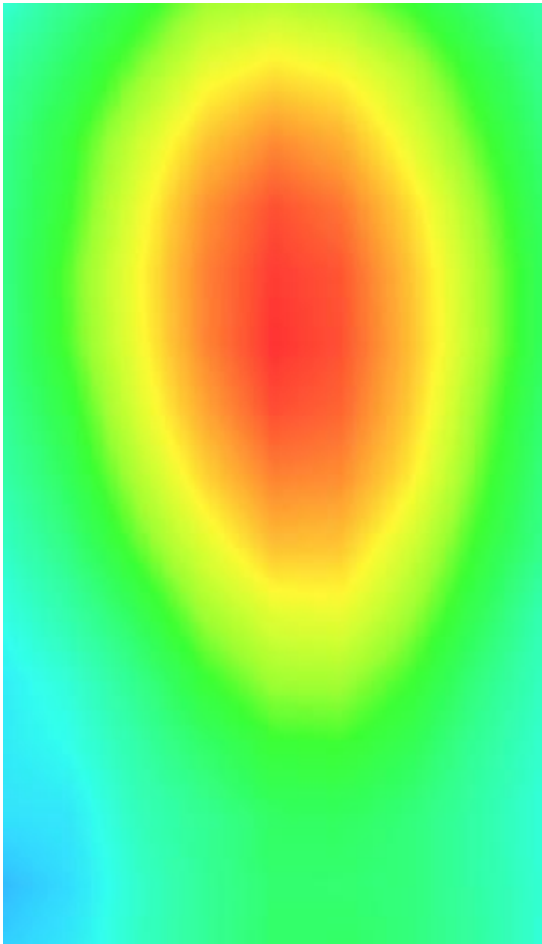
Maximum location: X=1.00, Y=19.00

SAR Peak: 0.32W/kg

SAR 10g (W/Kg)	0.155036
SAR 1g (W/Kg)	0.228533

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3144	0.2388	0.1695	0.1222	0.0901



3D screen shot	Hot spot position
	

Plot 13: LTE Band2, 20MHz, Left Cheek, Middle

Type: Phone measurement

Date of measurement: 06/19/2020

Measurement duration: 22 minutes 11 seconds

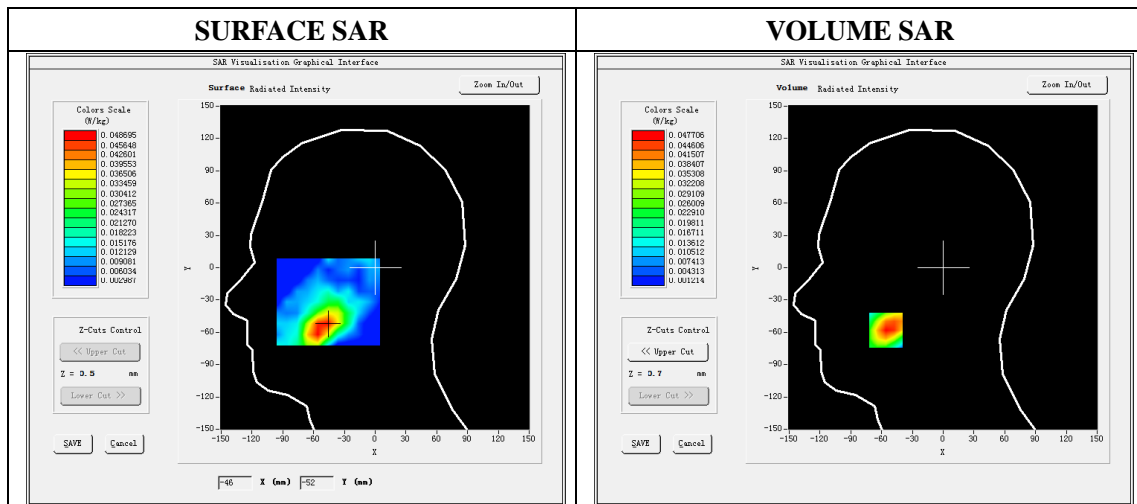
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	1880
Relative permittivity (real part)	40.48
Relative permittivity (imaginary)	13.07
Conductivity (S/m)	1.38
Variation (%)	-3.34
ConvF:	2.03

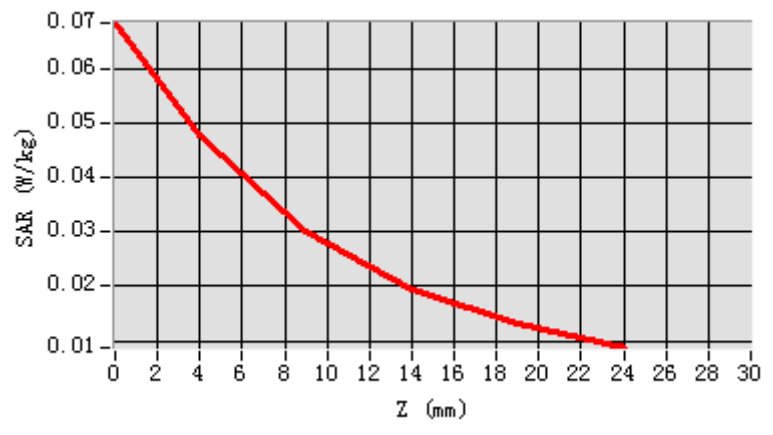


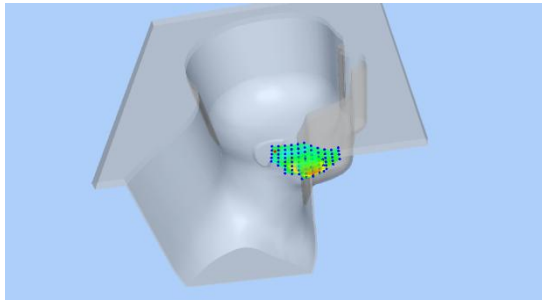
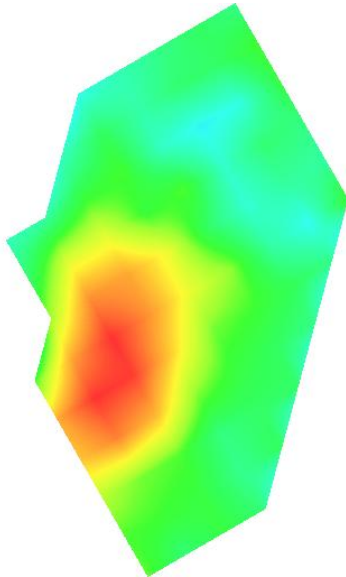
Maximum location: X=-56.00, Y=-58.00

SAR Peak: 0.07 W/kg

SAR 10g (W/Kg)	0.026822
SAR 1g (W/Kg)	0.045287

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0684	0.0477	0.0302	0.0195	0.0131



3D screen shot	Hot spot position
	

Plot 14: LTE Band2, 20MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 06/19/2020

Measurement duration: 22 minutes 33 seconds

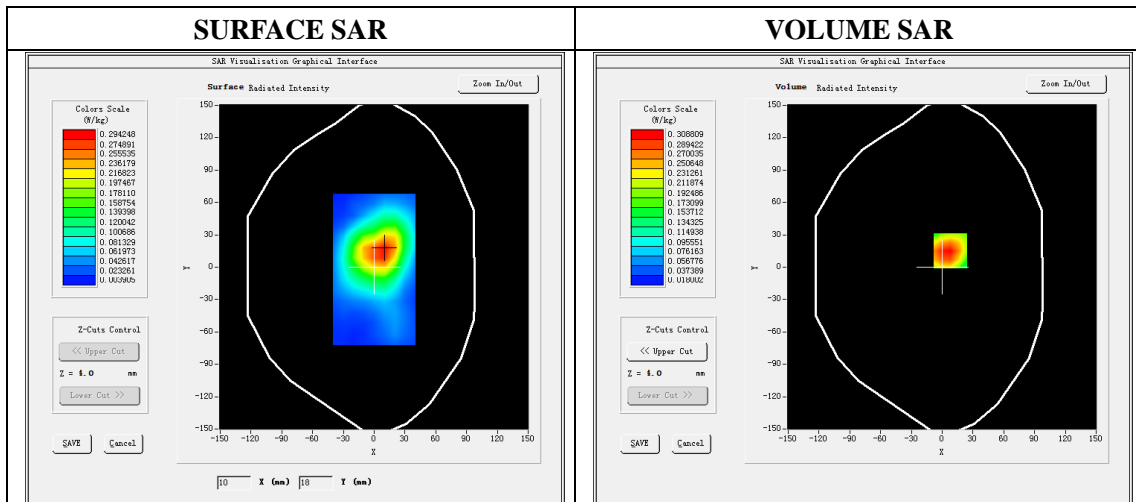
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

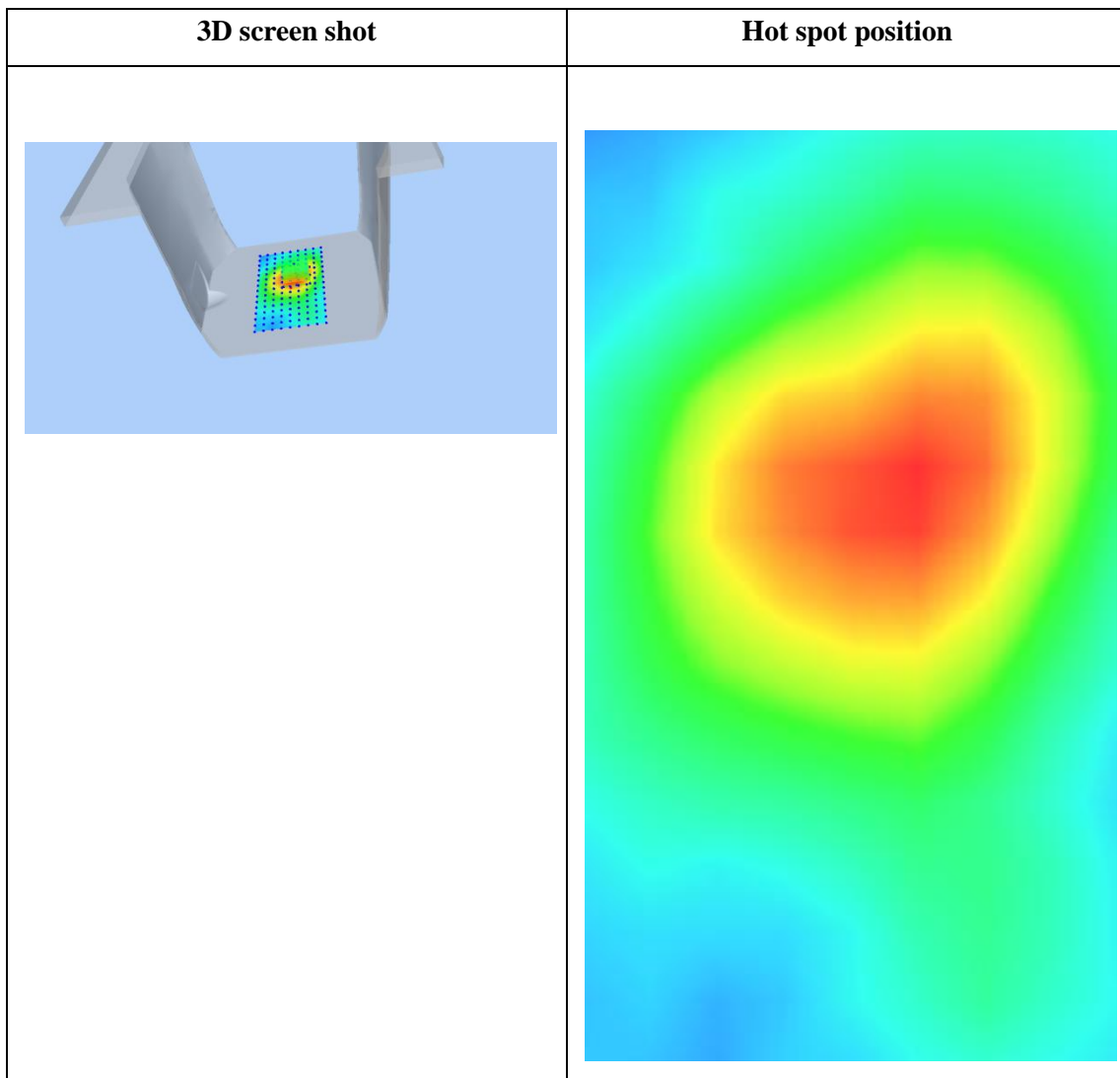
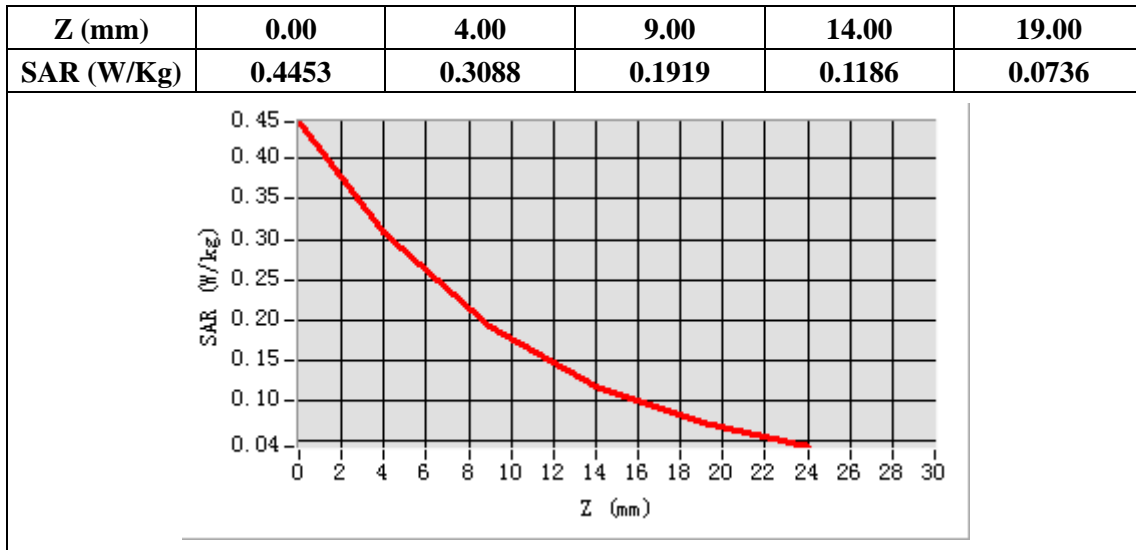
E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	1880
Relative permittivity (real part)	53.29
Relative permittivity (imaginary)	14.31
Conductivity (S/m)	1.51
Variation (%)	-2.61
ConvF:	2.08



Maximum location: X=8.00, Y=15.00

SAR Peak: 0.45W/kg

SAR 10g (W/Kg)	0.175708
SAR 1g (W/Kg)	0.294828



Plot 15: LTE Band2, 20MHz, Edge C, Middle,10mm

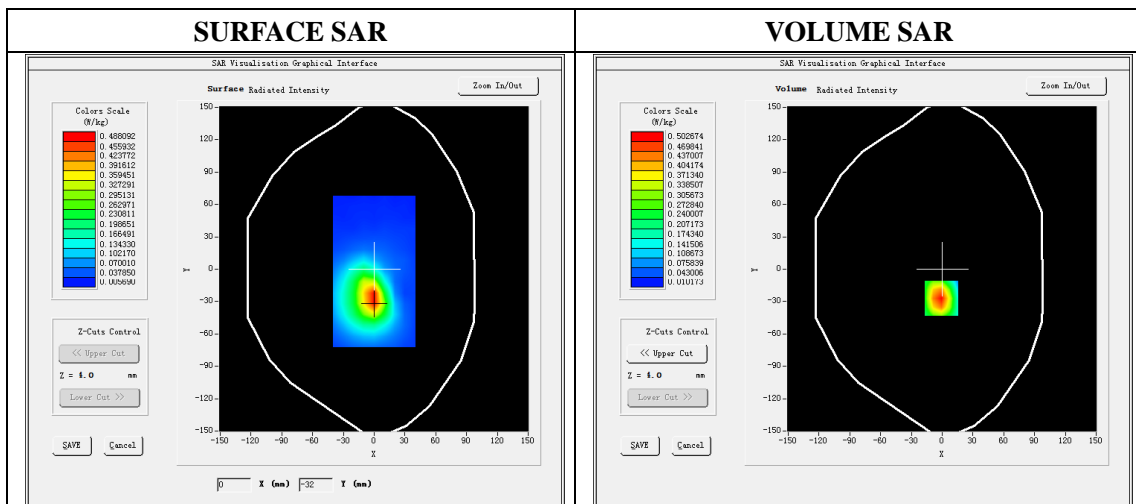
Type: Phone measurement
 Date of measurement: 06/19/2020
 Measurement duration: 22 minutes 19 seconds
 Mobile Phone IMEI number: --

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 2
Channels	18900
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

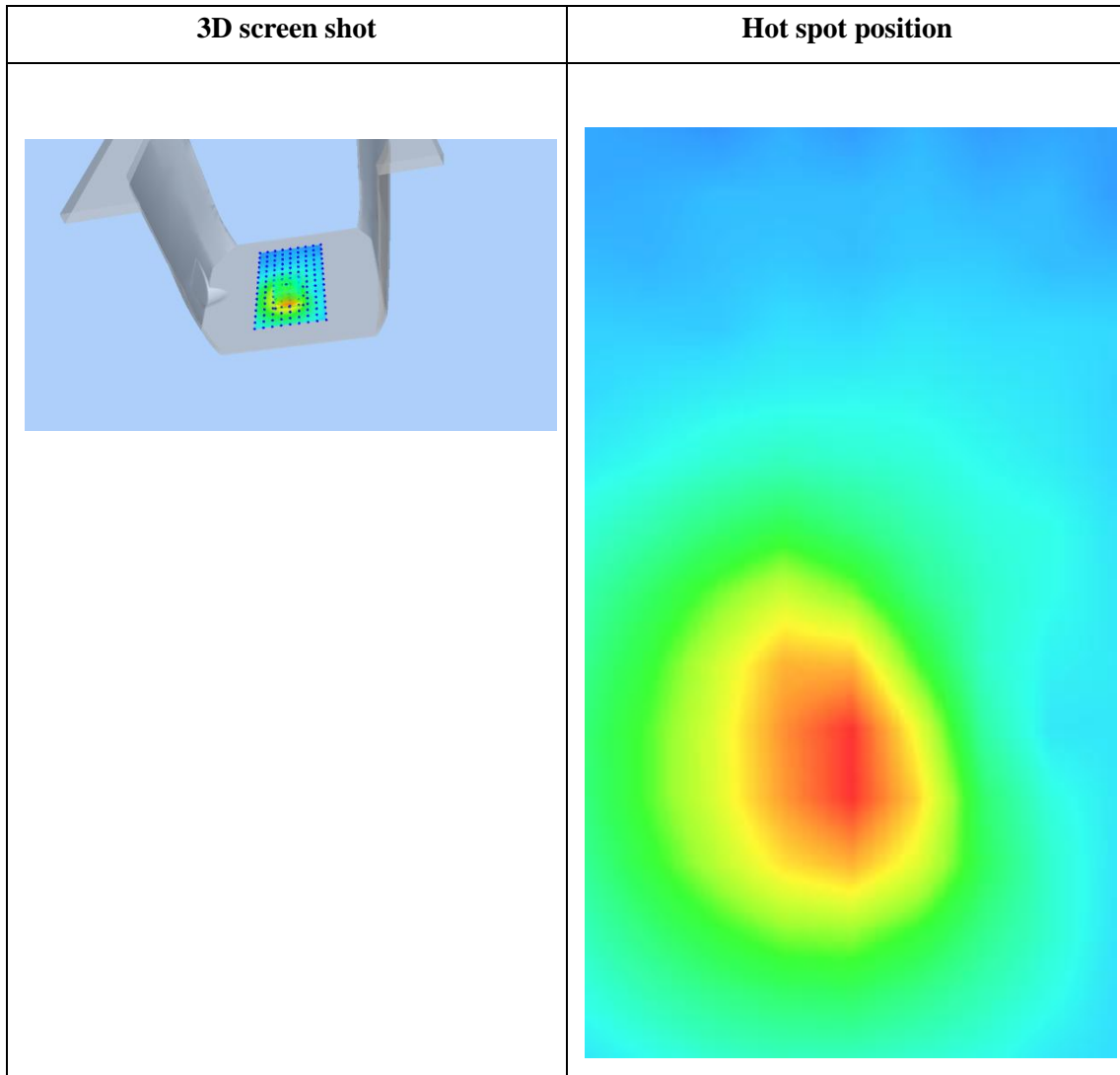
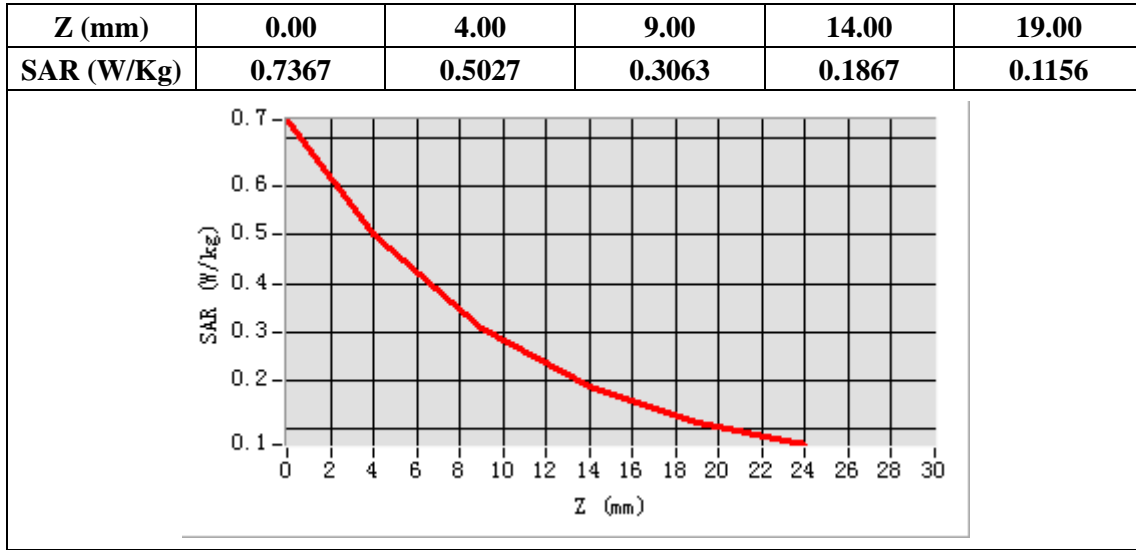
E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	1880
Relative permittivity (real part)	53.29
Relative permittivity (imaginary)	14.31
Conductivity (S/m)	1.51
Variation (%)	-1.93
ConvF:	2.08



Maximum location: X=-1.00, Y=-27.00

SAR Peak: 0.74W/kg

SAR 10g (W/Kg)	0.255889
SAR 1g (W/Kg)	0.468067



Plot 16: LTE Band4, 20MHz, Right Cheek, Middle

Type: Phone measurement

Date of measurement: 06/18/2020

Measurement duration: 22 minutes 21 seconds

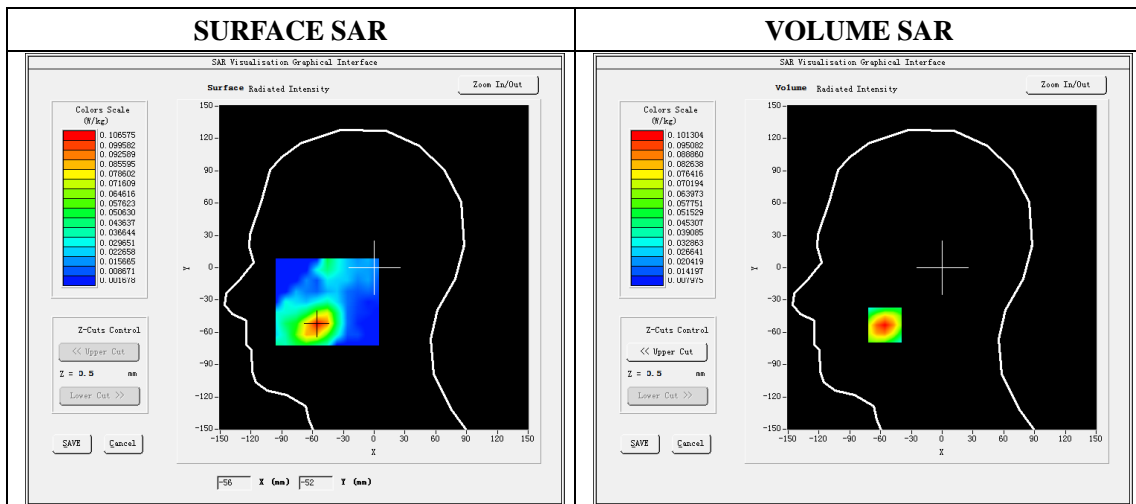
Mobile Phone IMEI number: --

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 4
Channels	20175
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	1732.5
Relative permittivity (real part)	40.54
Relative permittivity (imaginary)	14.40
Conductivity (S/m)	1.44
Variation (%)	-2.49
ConvF:	1.74

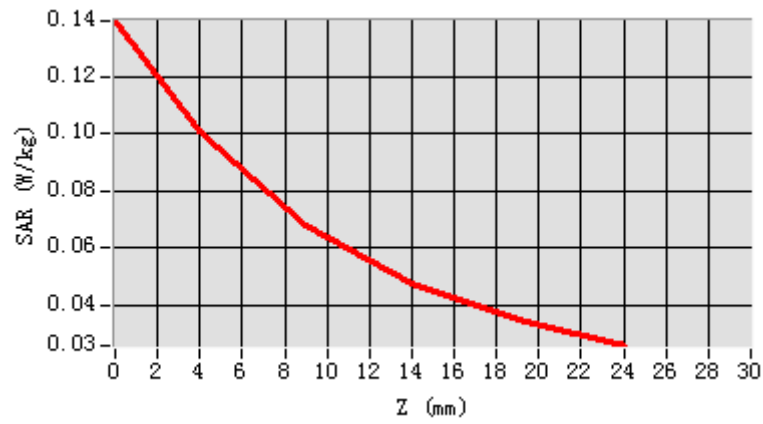


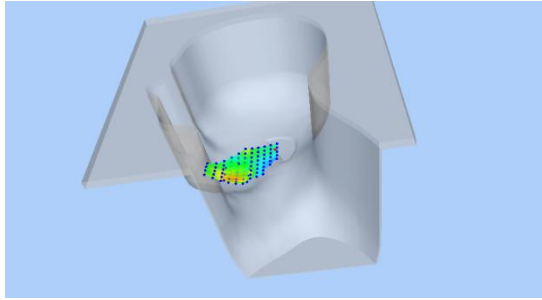
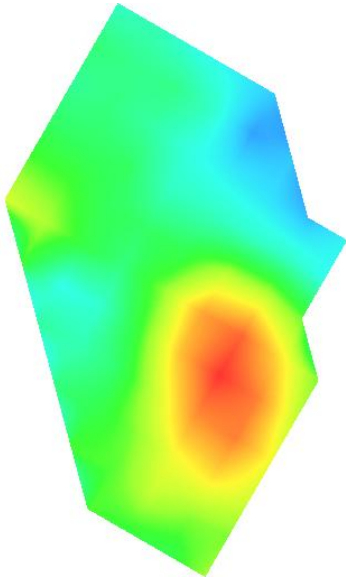
Maximum location: X=-56.00, Y=-53.00

SAR Peak: 0.14 W/kg

SAR 10g (W/Kg)	0.059974
SAR 1g (W/Kg)	0.097169

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1398	0.1013	0.0681	0.0473	0.0345



3D screen shot	Hot spot position
	

Plot 17: LTE Band4, 20MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 06/18/2020

Measurement duration: 22 minutes 34 seconds

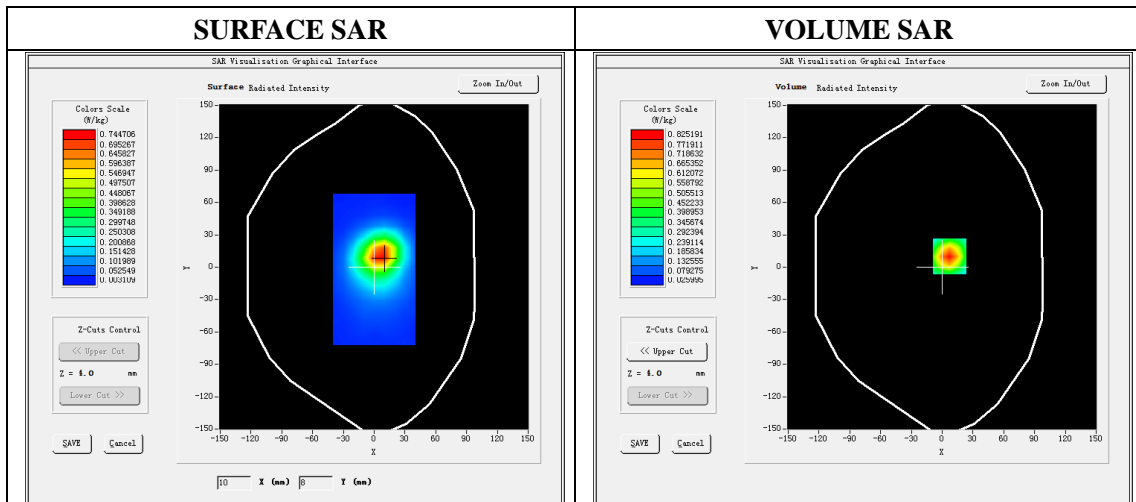
Mobile Phone IMEI number: --

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

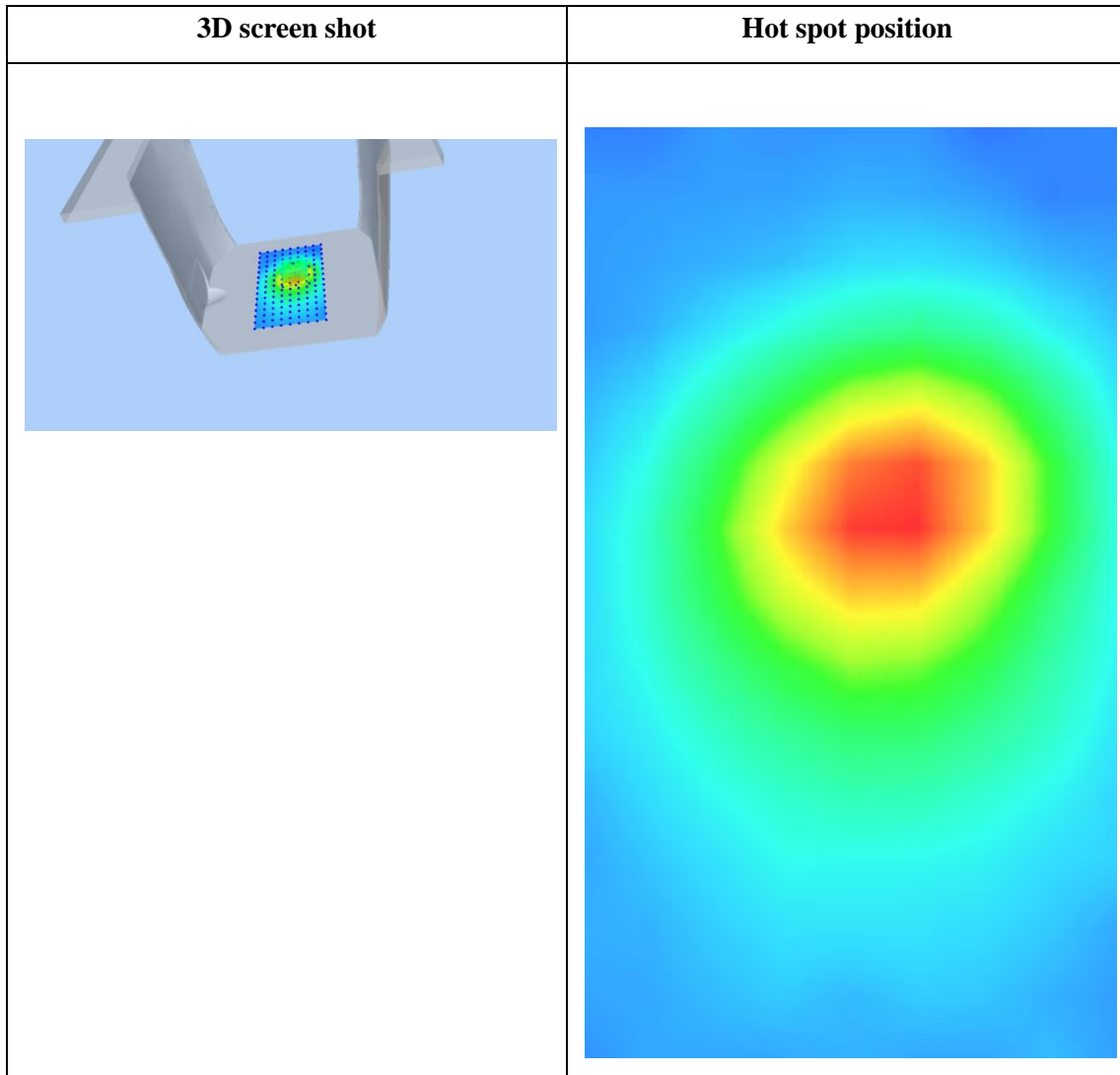
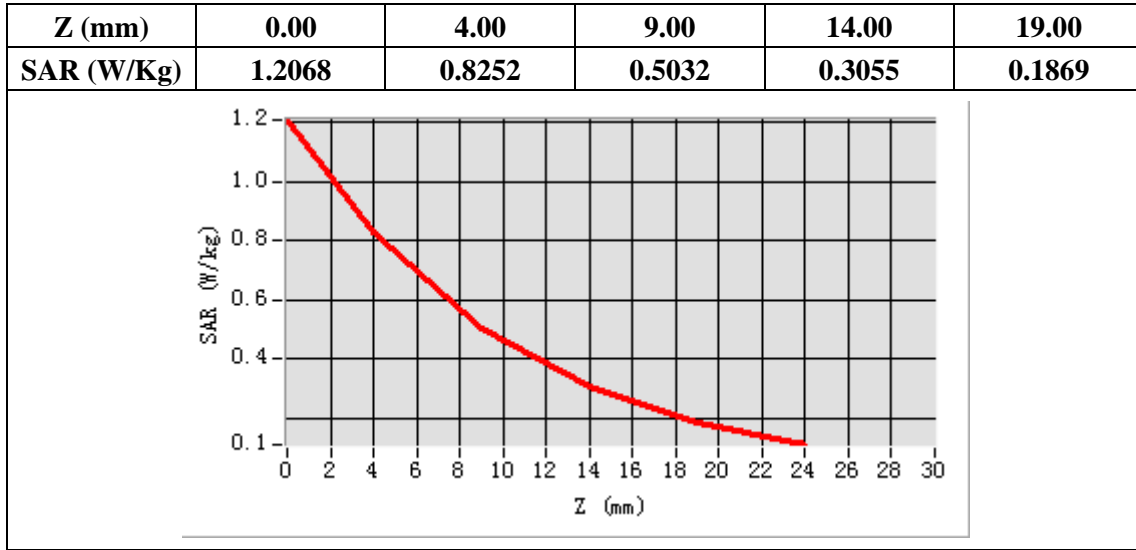
E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	1732.5
Relative permittivity (real part)	53.34
Relative permittivity (imaginary)	15.60
Conductivity (S/m)	1.56
Variation (%)	-3.01
ConvF:	1.81



Maximum location: X=7.00, Y=10.00

SAR Peak: 1.21W/kg

SAR 10g (W/Kg)	0.420336
SAR 1g (W/Kg)	0.778420



Plot 18: LTE Band4, 20MHz, Edge C, Middle,10mm

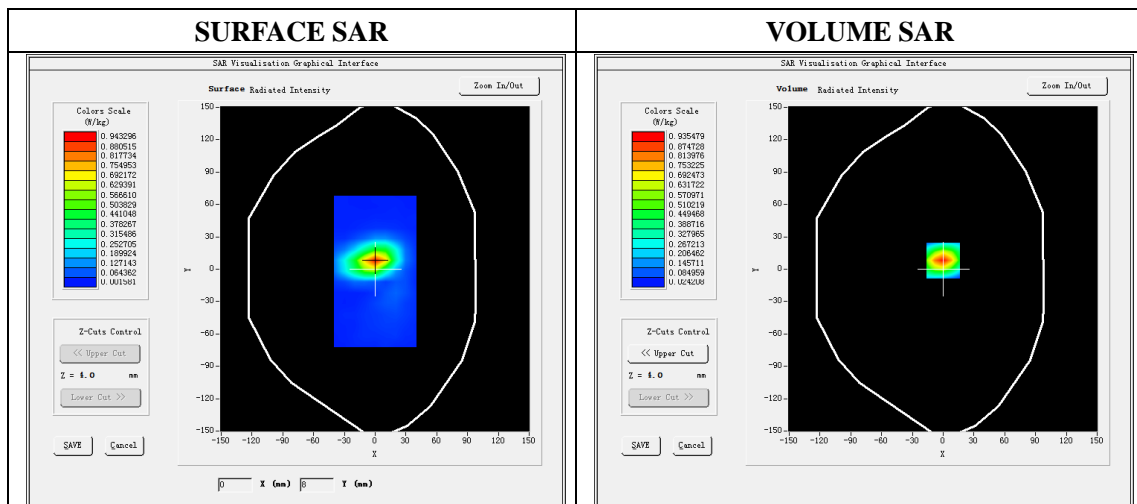
Type: Phone measurement
 Date of measurement: 06/18/2020
 Measurement duration: 22 minutes 20 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

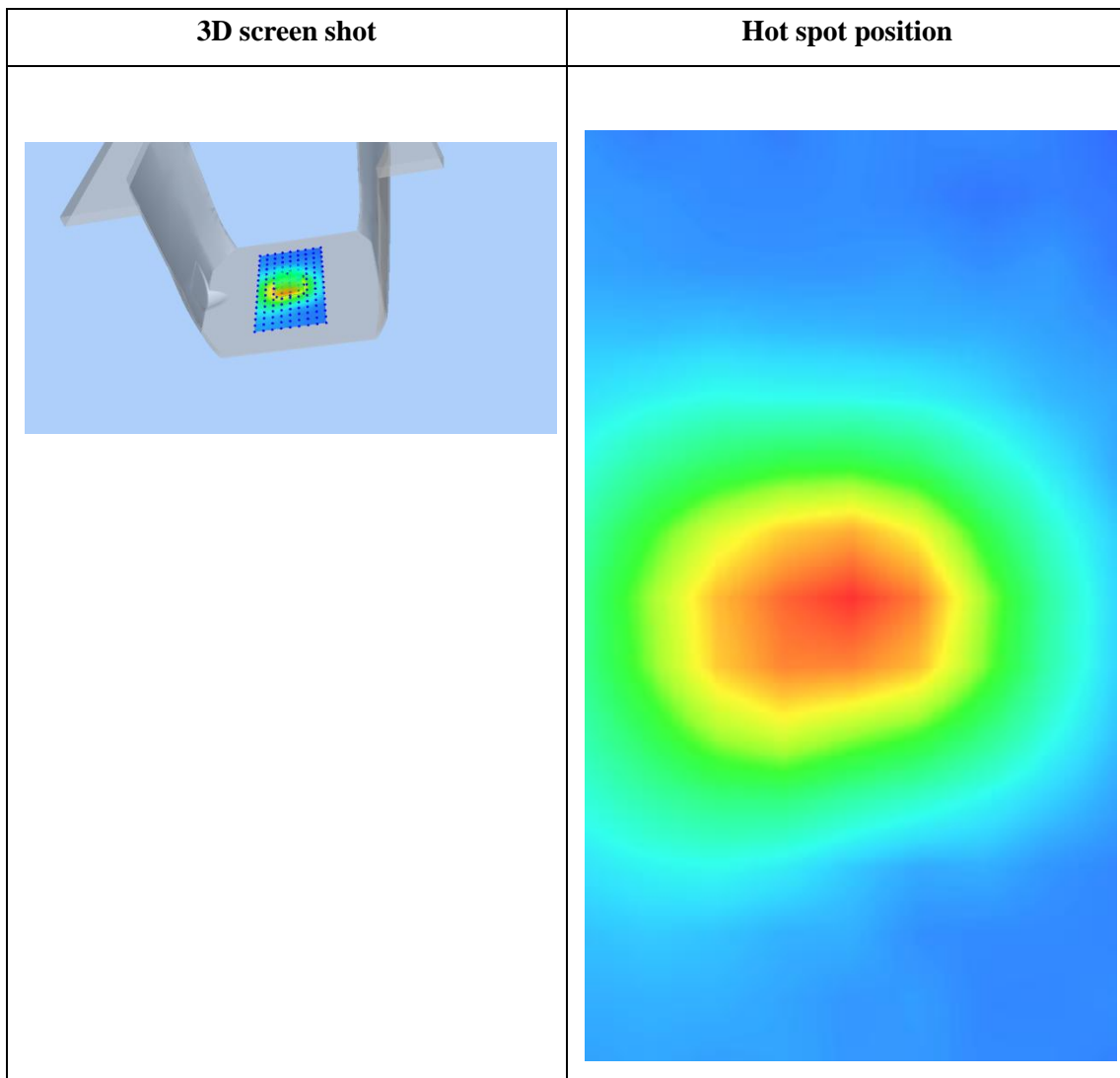
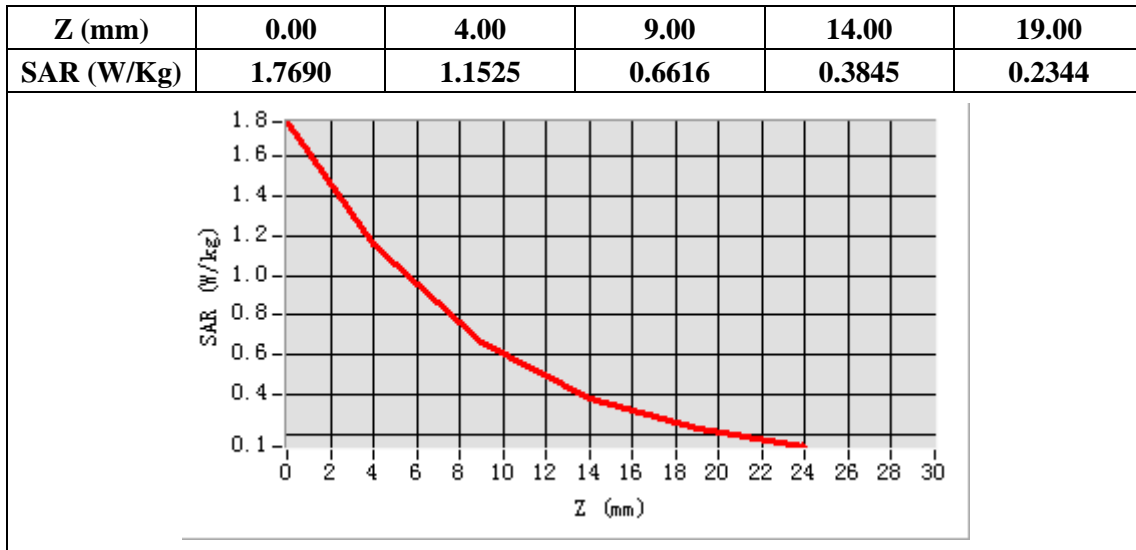
E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	1732.5
Relative permittivity (real part)	53.34
Relative permittivity (imaginary)	15.60
Conductivity (S/m)	1.56
Variation (%)	1.36
ConvF:	1.81



Maximum location: X=0.00, Y=-2.00

SAR Peak: 1.79W/kg

SAR 10g (W/Kg)	0.598857
SAR 1g (W/Kg)	1.097169



Plot 19: LTE Band5, 10MHz, Left Cheek, Middle

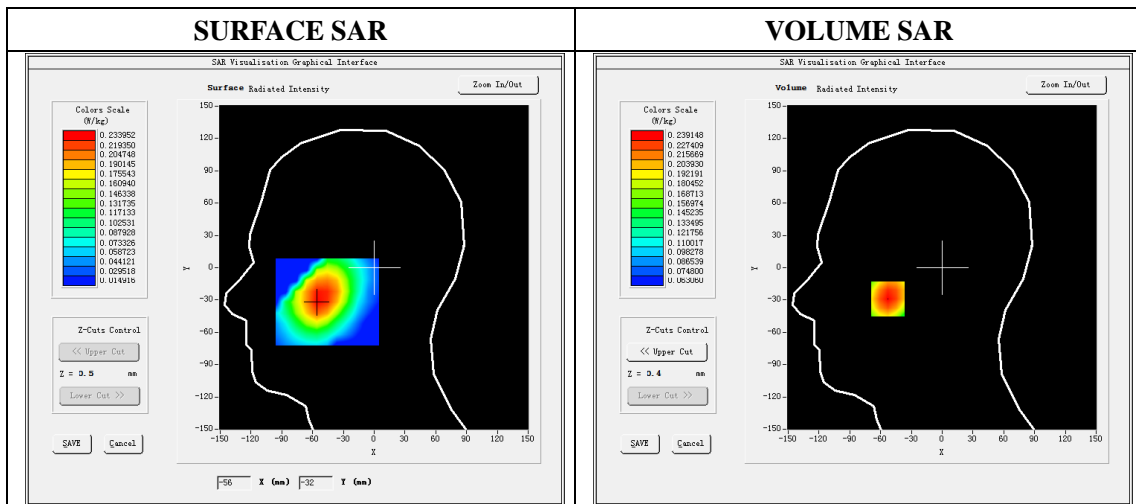
Type: Phone measurement
 Date of measurement: 05/14/2020
 Measurement duration: 22 minutes 24 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	836.5
Relative permittivity (real part)	41.55
Relative permittivity (imaginary)	20.48
Conductivity (S/m)	0.95
Variation (%)	-3.88
ConvF:	1.60

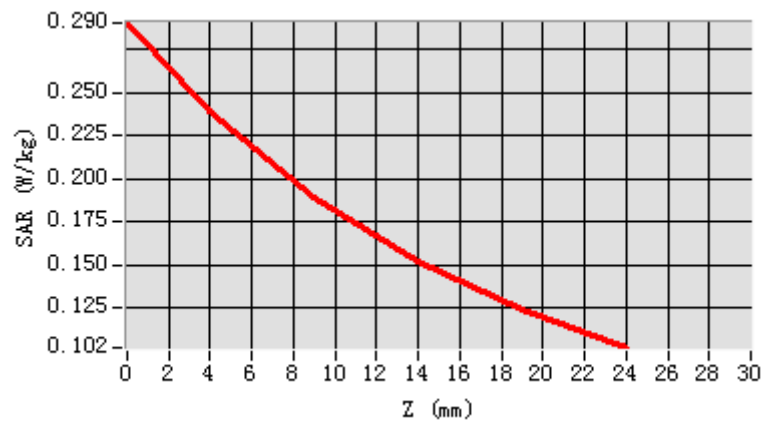


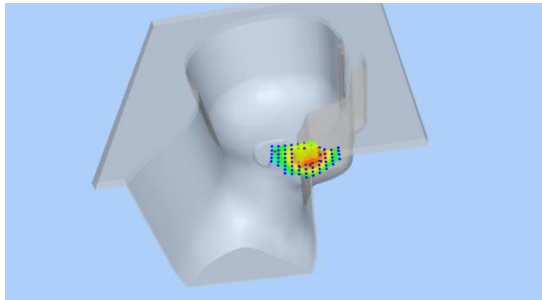
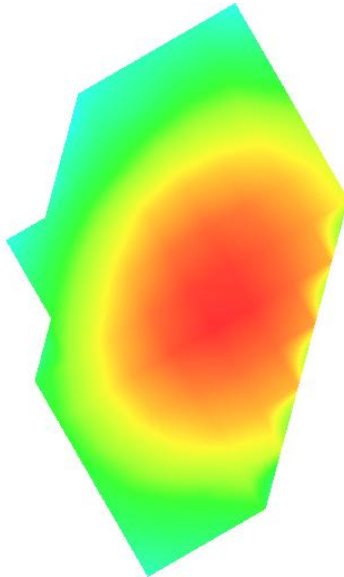
Maximum location: X=-53.00, Y=-29.00

SAR Peak: 0.29 W/kg

SAR 10g (W/Kg)	0.174489
SAR 1g (W/Kg)	0.230651

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2903	0.2391	0.1891	0.1519	0.1244



3D screen shot	Hot spot position
	

Plot 20: LTE Band5, 10MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 06/16/2020

Measurement duration: 22 minutes 35 seconds

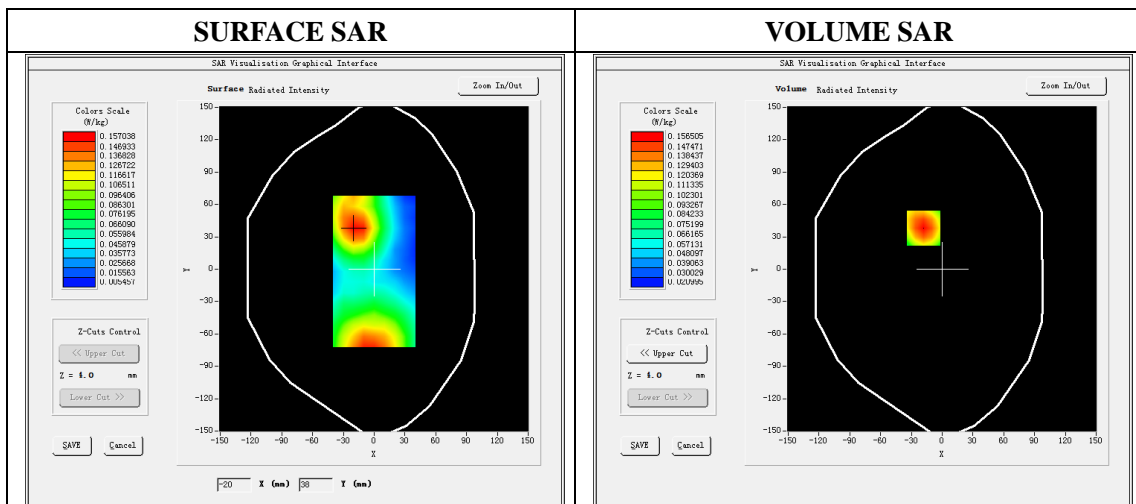
Mobile Phone IMEI number: --

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_41/18_EPG0334
Frequency (MHz)	836.5
Relative permittivity (real part)	55.21
Relative permittivity (imaginary)	21.13
Conductivity (S/m)	0.98
Variation (%)	-1.08
ConvF:	1.64

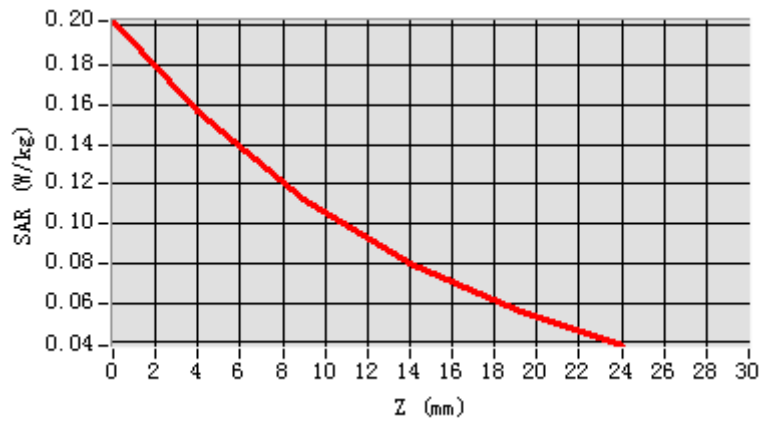


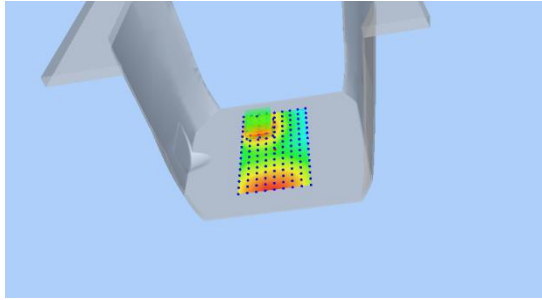
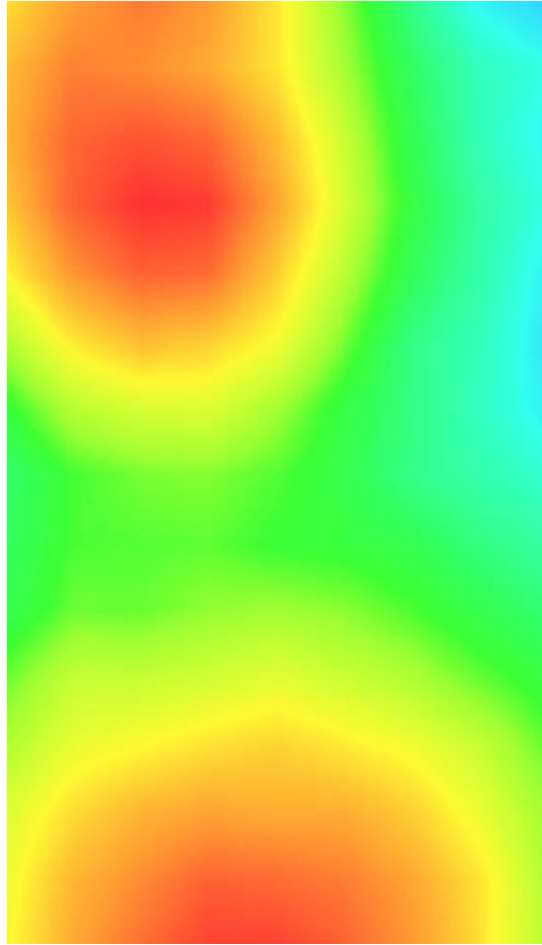
Maximum location: X=-18.00, Y=38.00

SAR Peak: 0.20W/kg

SAR 10g (W/Kg)	0.099470
SAR 1g (W/Kg)	0.148876

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2023	0.1565	0.1124	0.0801	0.0565



3D screen shot	Hot spot position
	

Plot 21: LTE Band5, 10MHz, Edge B, Middle,10mm

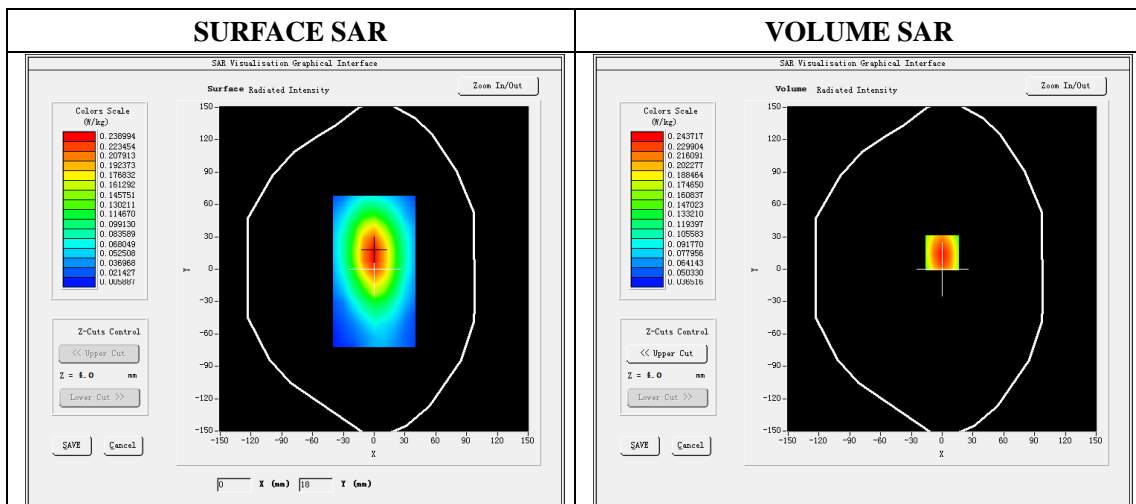
Type: Phone measurement
 Date of measurement: 06/16/2020
 Measurement duration: 22 minutes 23 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	836.5
Relative permittivity (real part)	55.21
Relative permittivity (imaginary)	21.13
Conductivity (S/m)	0.98
Variation (%)	-3.58
ConvF:	1.64

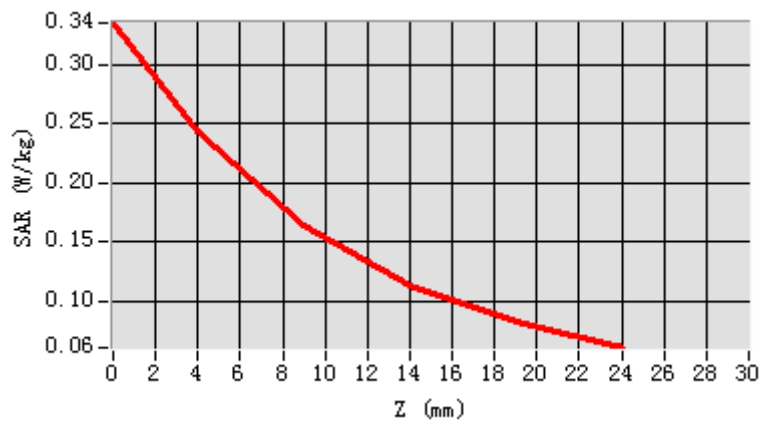


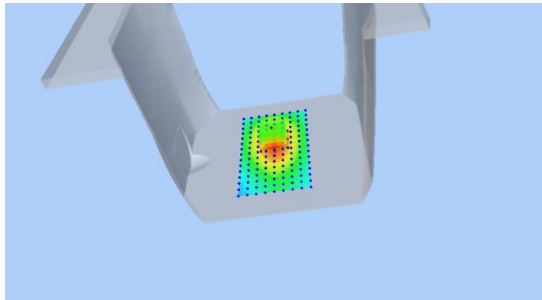
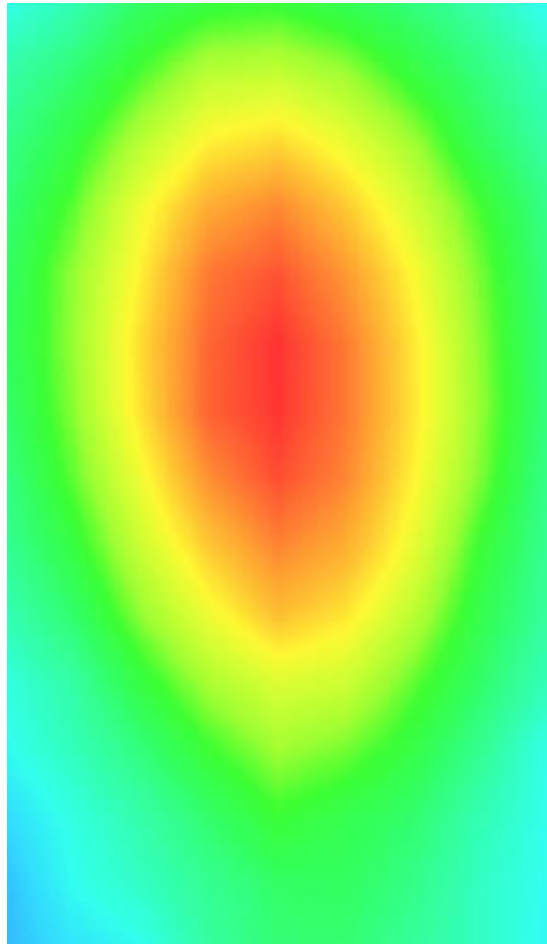
Maximum location: X=0.00, Y=15.00

SAR Peak: 0.34W/kg

SAR 10g (W/Kg)	0.152703
SAR 1g (W/Kg)	0.232389

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3358	0.2437	0.1639	0.1134	0.0822



3D screen shot	Hot spot position
	

Plot 22: LTE Band7, 20MHz, Right Cheek, Middle

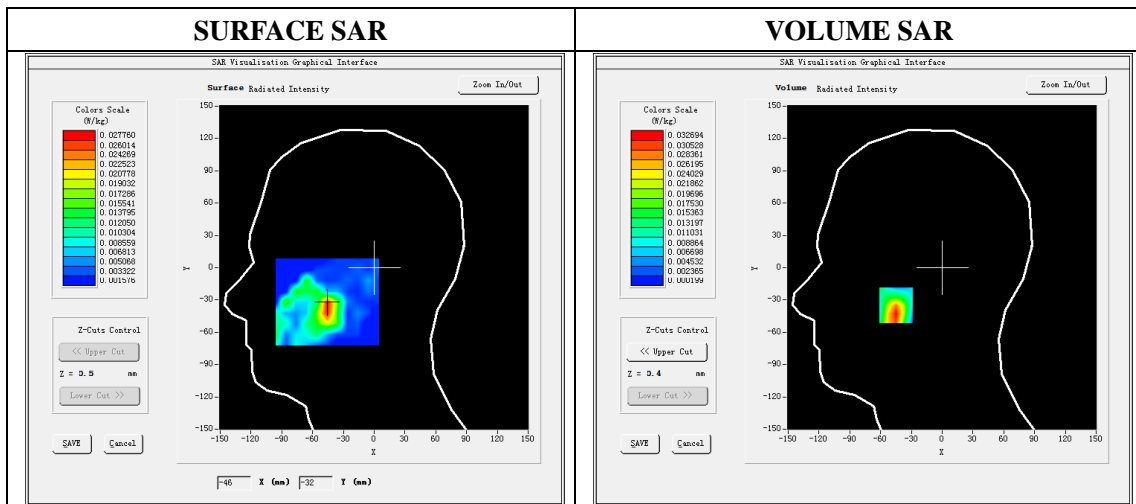
Type: Phone measurement
 Date of measurement: 06/21/2020
 Measurement duration: 22 minutes 26 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=5mm,dy=5mm
ZoomScan	7x7x8,dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Right Cheek
Band	LTE Band 7
Channels	21100
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

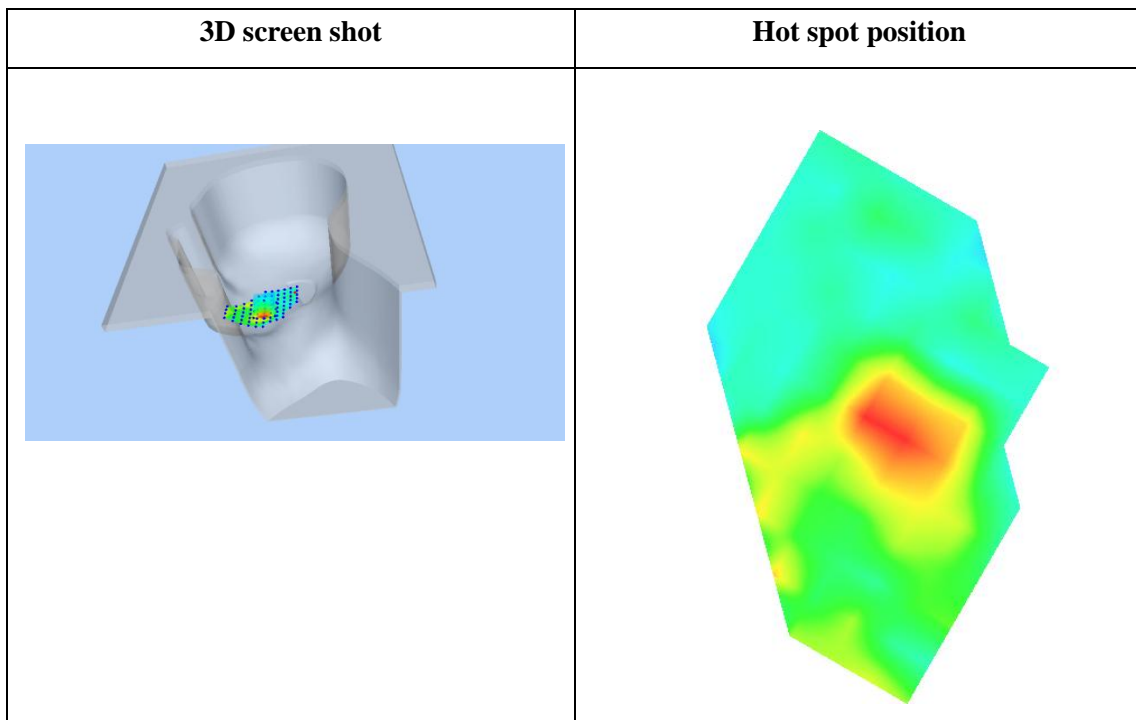
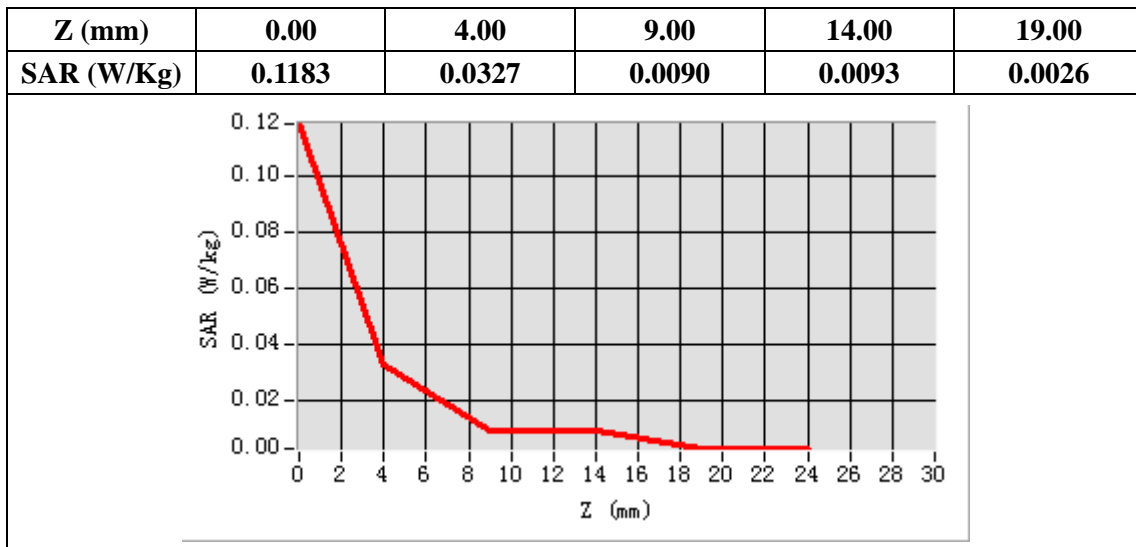
E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	2535
Relative permittivity (real part)	39.04
Relative permittivity (imaginary)	13.85
Conductivity (S/m)	2.00
Variation (%)	4.35
ConvF:	2.35



Maximum location: X=-45.00 Y=-35.00

SAR Peak: 0.05W/kg

SAR 10g (W/Kg)	0.014603
SAR 1g (W/Kg)	0.029784



Plot 23: LTE Band7, 20MHz, Face, Middle,10mm

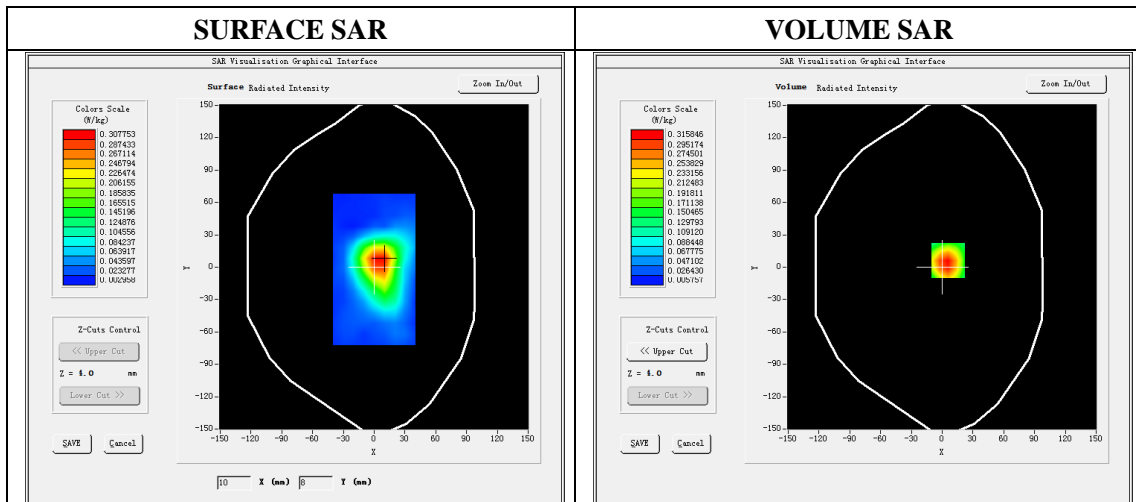
Type: Phone measurement
 Date of measurement: 06/21/2020
 Measurement duration: 22 minutes 38 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=5mm,dy=5mm
ZoomScan	7x7x8,dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Face
Band	LTE Band 7
Channels	21100
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	2535
Relative permittivity (real part)	52.47
Relative permittivity (imaginary)	14.75
Conductivity (S/m)	2.13
Variation (%)	-0.69
ConvF:	2.43

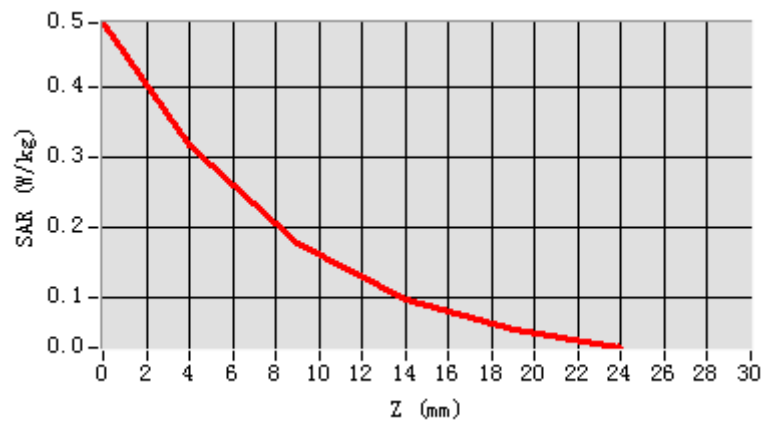


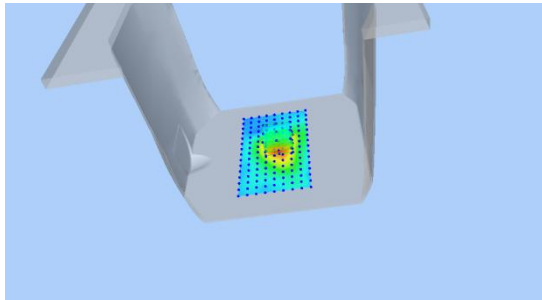
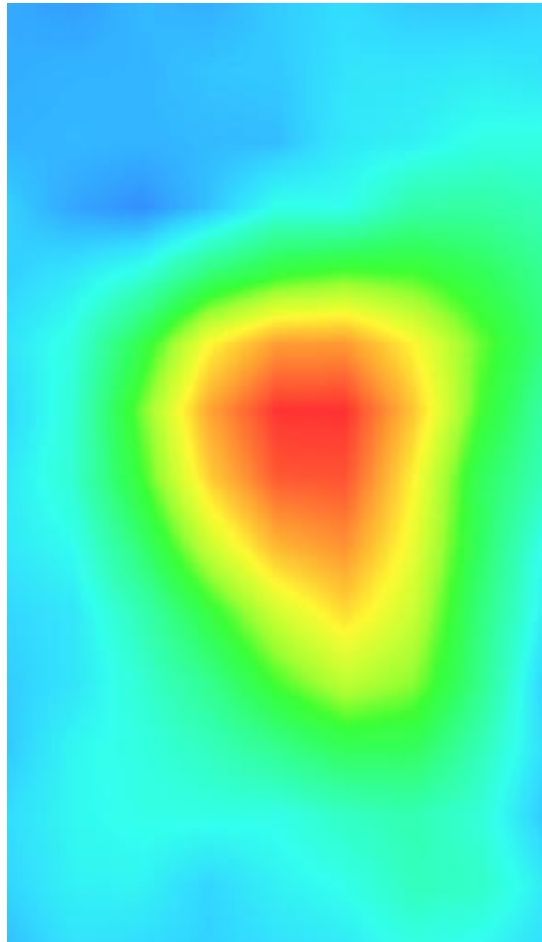
Maximum location: X=6.00 Y=6.00

SAR Peak: 0.50 W/kg

SAR 10g (W/Kg)	0.163154
SAR 1g (W/Kg)	0.301118

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4918	0.3158	0.1757	0.0965	0.0536



3D screen shot	Hot spot position
	

Plot 24: LTE Band7, 20MHz, Edge C, Middle,10mm

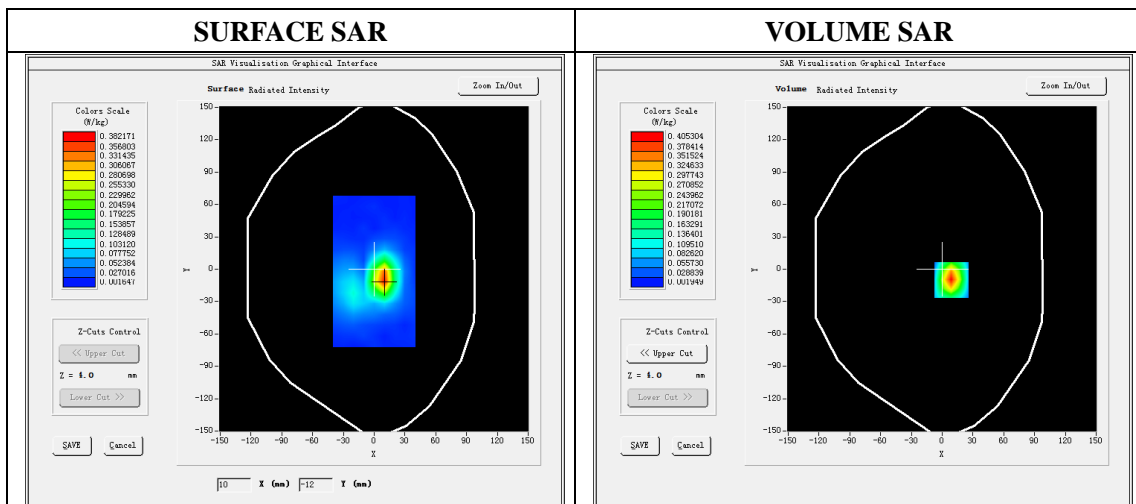
Type: Phone measurement
 Date of measurement: 06/21/2020
 Measurement duration: 22 minutes 22 seconds
 Mobile Phone IMEI number: --

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	21100
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	2535
Relative permittivity (real part)	52.47
Relative permittivity (imaginary)	14.75
Conductivity (S/m)	2.13
Variation (%)	-1.55
ConvF:	2.43

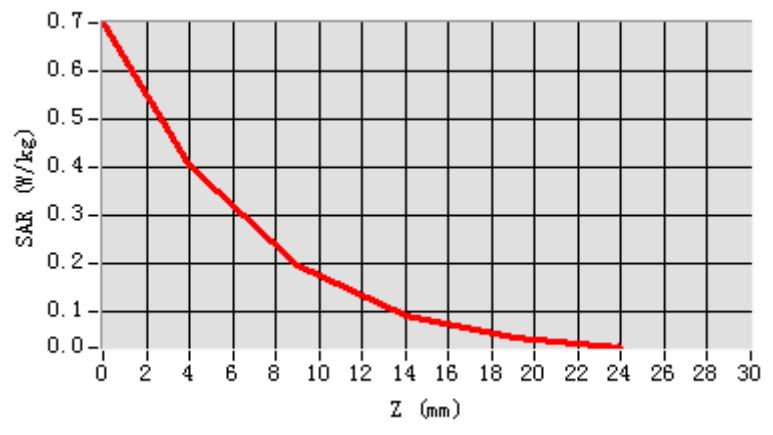


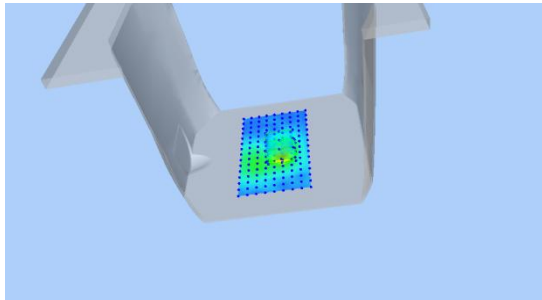
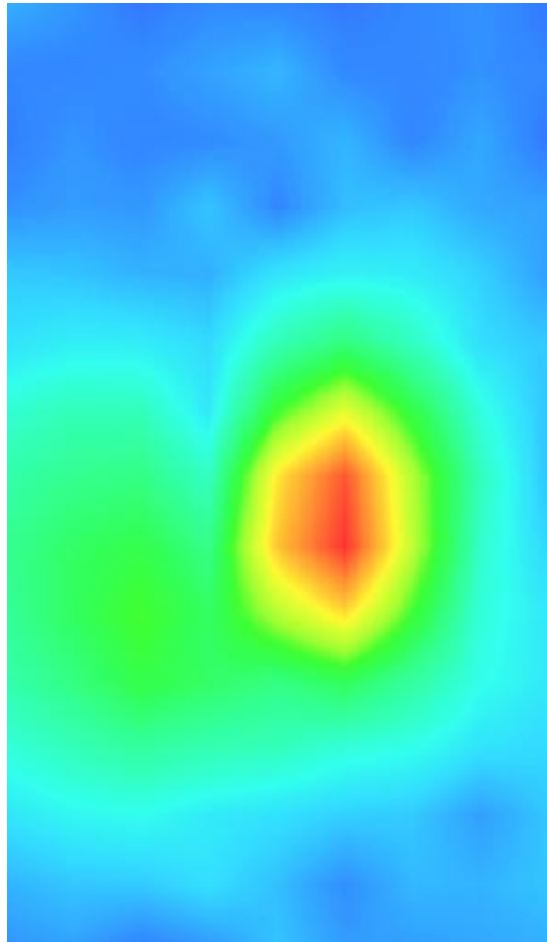
Maximum location: X=9.00 Y=-10.00

SAR Peak: 0.70 W/kg

SAR 10g (W/Kg)	0.166065
SAR 1g (W/Kg)	0.368041

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6991	0.4053	0.1943	0.0926	0.0479



3D screen shot	Hot spot position
	

Plot 25: Wi-Fi 802.11b, Left Cheek, Middle

Type: Phone measurement

Date of measurement: 06/20/2020

Measurement duration: 22 minutes 25 seconds

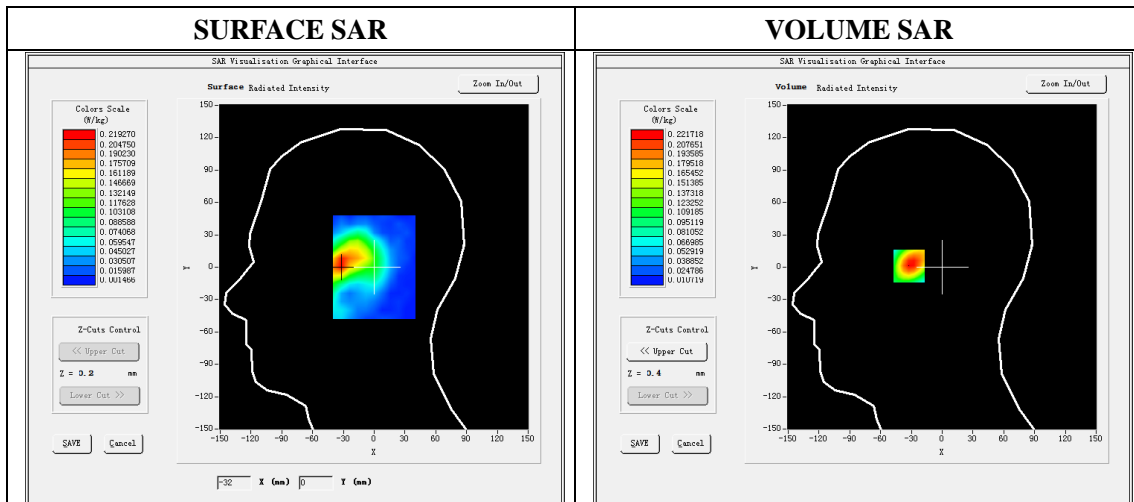
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	2437
Relative permittivity (real part)	39.23
Relative permittivity (imaginary)	13.44
Conductivity (S/m)	1.83
Variation (%)	-4.43
ConvF:	2.05

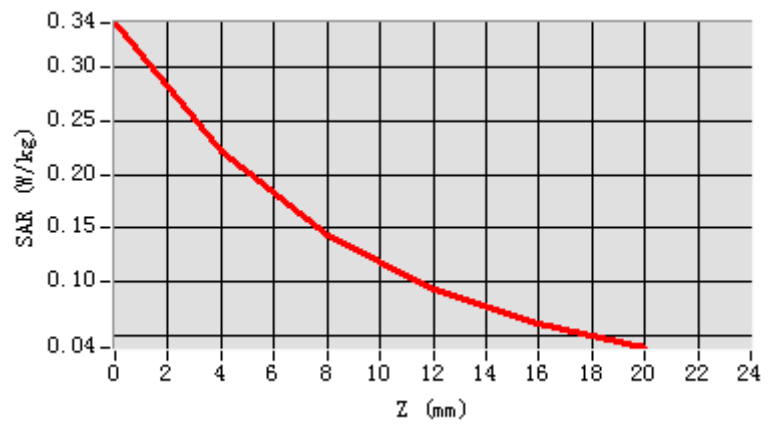


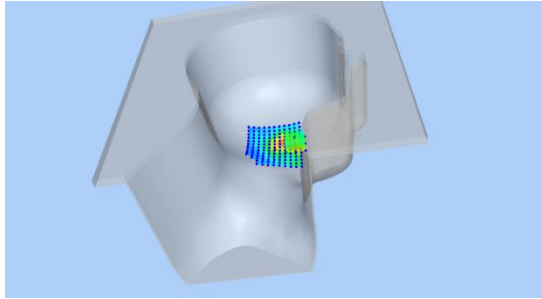
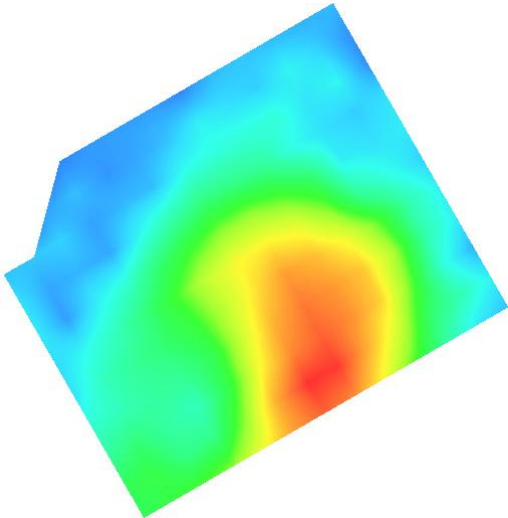
Maximum location: X=-32.00 Y=2.00

SAR Peak:0.34 W/kg

SAR 10g (W/Kg)	0.114165
SAR 1g (W/Kg)	0.208290

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.3400	0.2217	0.1429	0.0927	0.0613



3D screen shot	Hot spot position
	

Plot 26: Wi-Fi 802.11b, Face, Middle, 10mm

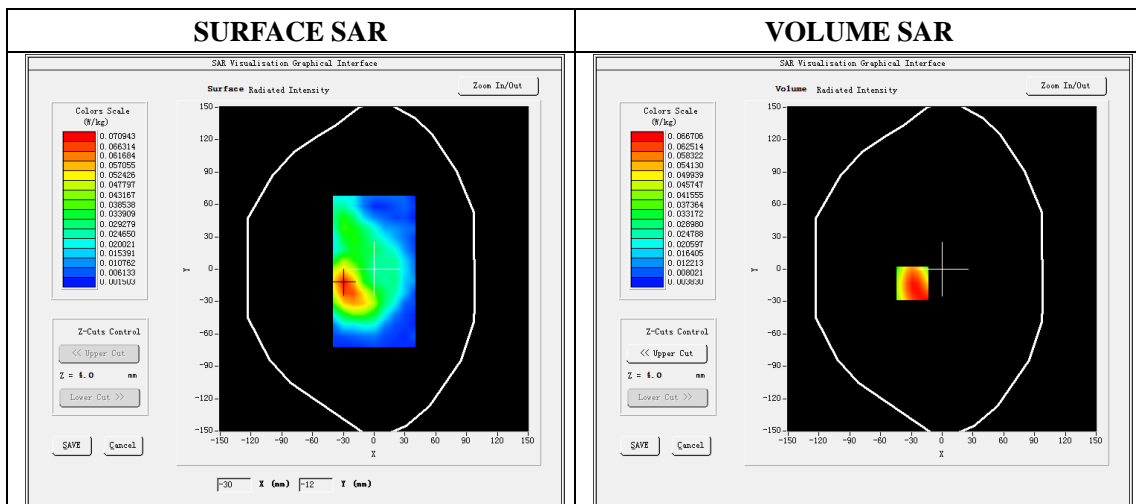
Type: Phone measurement
 Date of measurement: 06/20/2020
 Measurement duration: 22 minutes 26 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

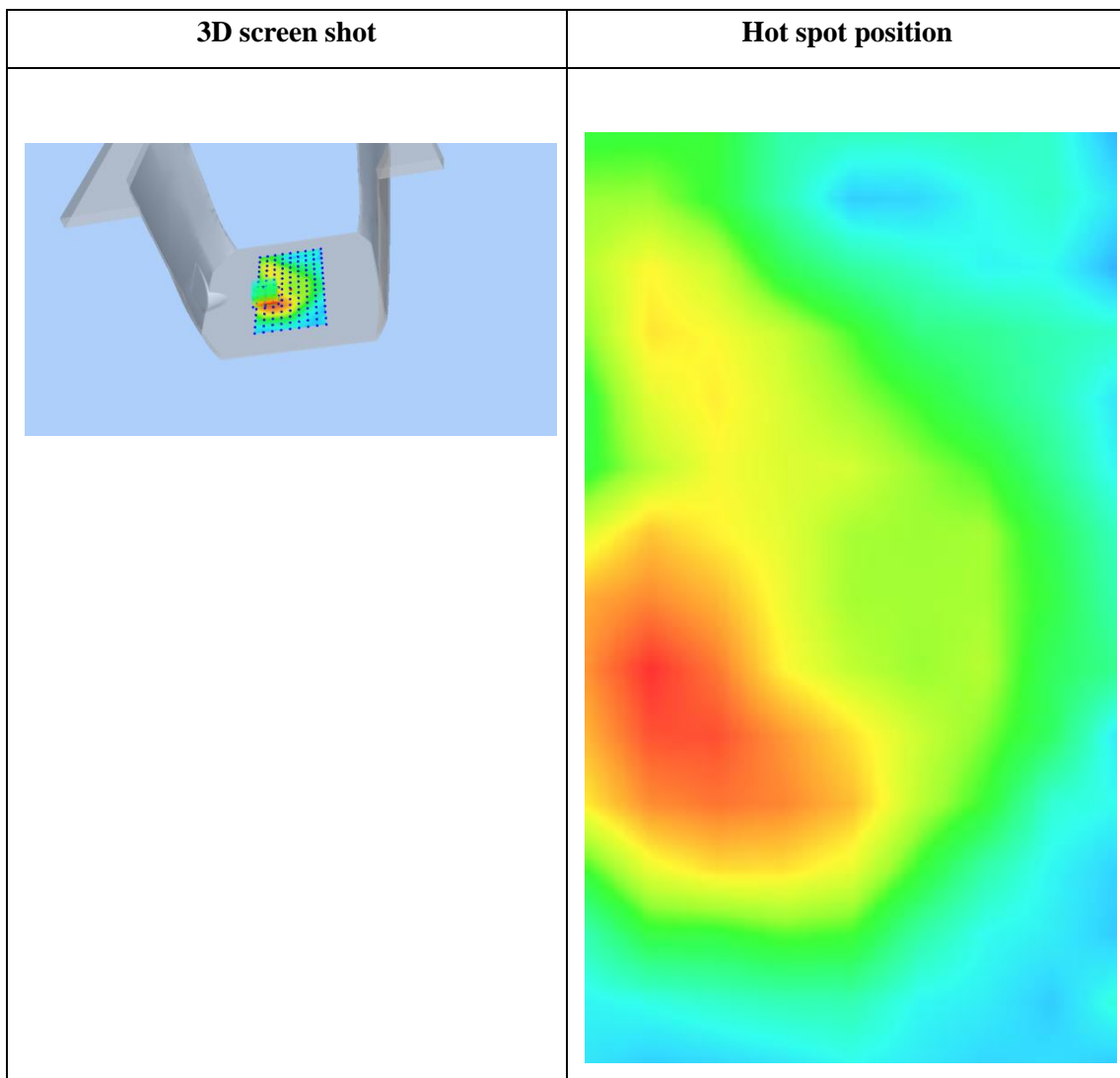
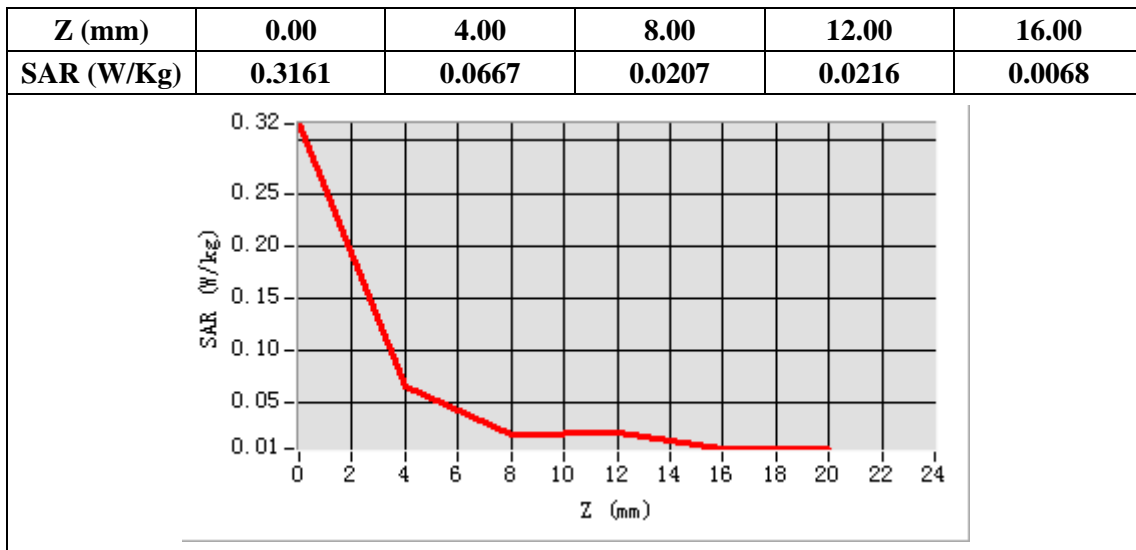
E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	2437
Relative permittivity (real part)	52.71
Relative permittivity (imaginary)	14.40
Conductivity (S/m)	1.96
Variation (%)	1.21
ConvF:	2.12



Maximum location: X=-29.00 Y=-13.00

SAR Peak: 0.11 W/kg

SAR 10g (W/Kg)	0.034747
SAR 1g (W/Kg)	0.061728



Plot 27: Wi-Fi 802.11b, Edge B ,Middle, 10mm

Type: Phone measurement

Date of measurement: 06/20/2020

Measurement duration: 22 minutes 26 seconds

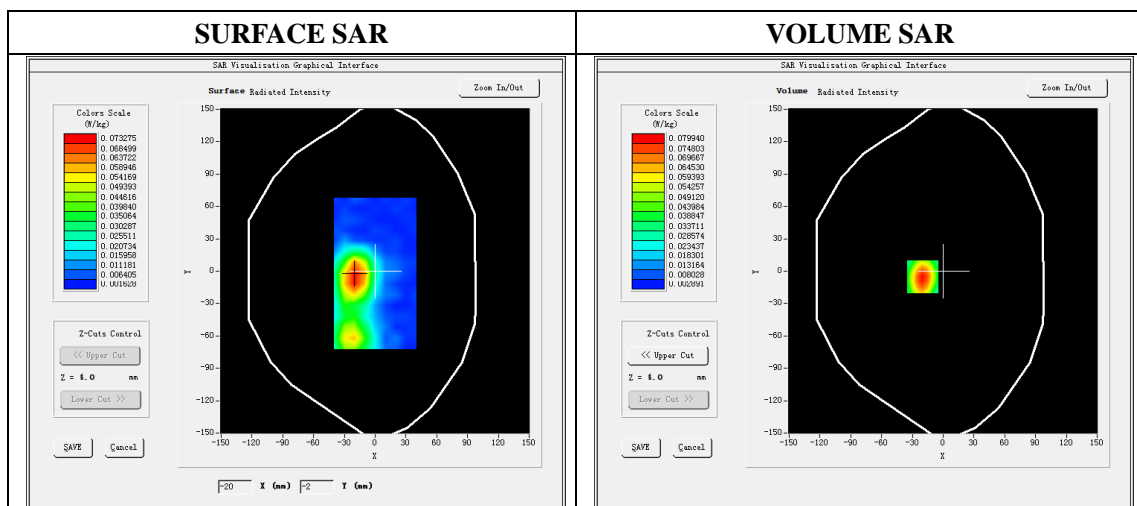
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

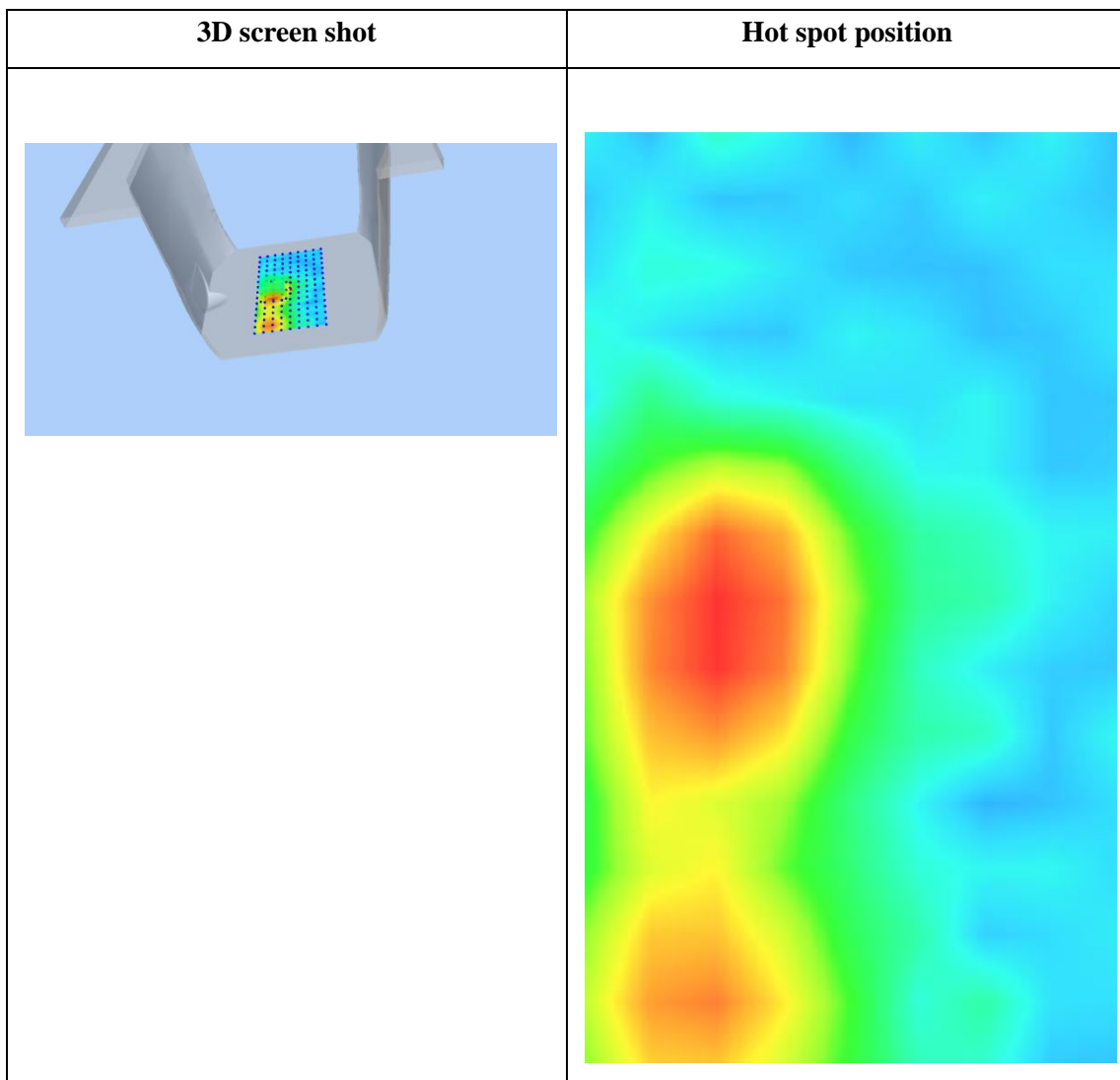
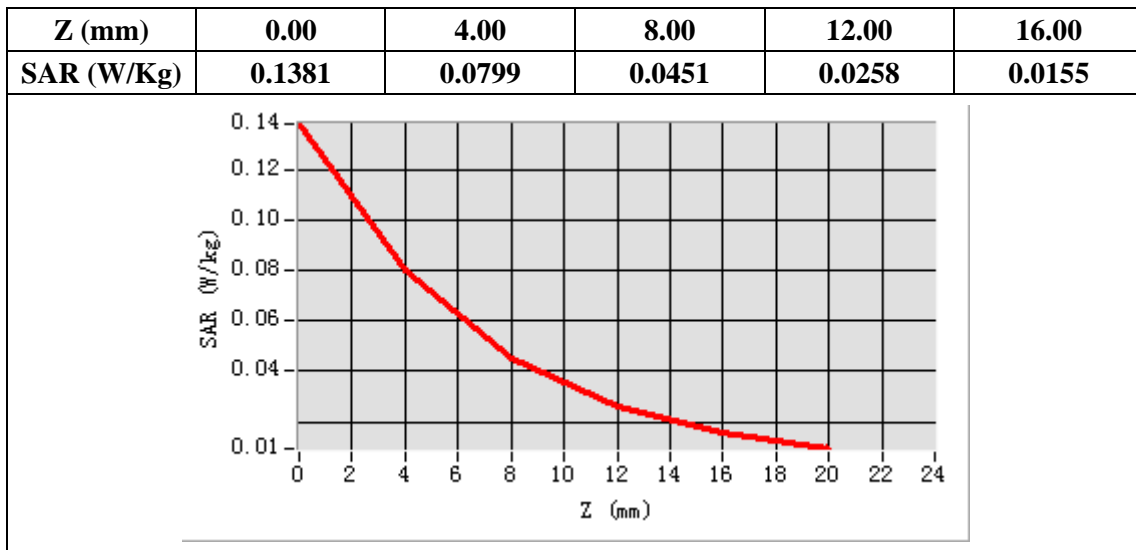
E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	2437
Relative permittivity (real part)	52.71
Relative permittivity (imaginary)	14.40
Conductivity (S/m)	1.96
Variation (%)	0.70
ConvF:	2.12



Maximum location: X=-20.00 Y=-5.00

SAR Peak: 0.14 W/kg

SAR 10g (W/Kg)	0.037914
SAR 1g (W/Kg)	0.074193



Plot 28: WIFI 5G 802.11n(40MHZ), Right Cheek, Middle

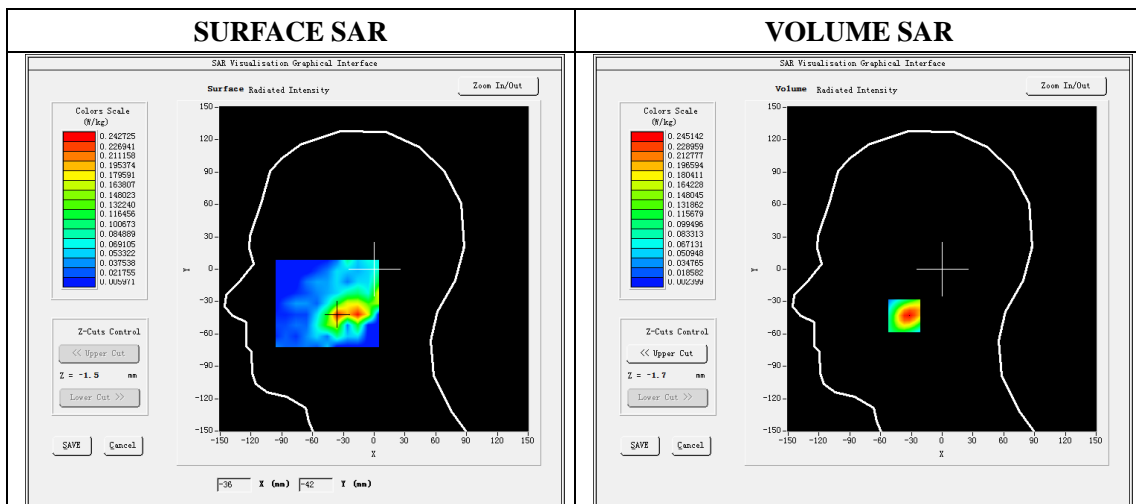
Type: Phone measurement
 Date of measurement: 07/20/2020
 Measurement duration: 22 minutes 27 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=4mm,dy=4mm
ZoomScan	7x7x12,dx=4m, dy=4mm, dz=2mm
Phantom	Validation plane
Device Position	Right Cheek
Band	WIFI 5G
Channels	38
Signal	OFDM (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	5190
Relative permittivity (real part)	36.02
Relative permittivity (imaginary)	16.20
Conductivity (S/m)	4.68
Variation (%)	-4.85
ConvF:	2.15

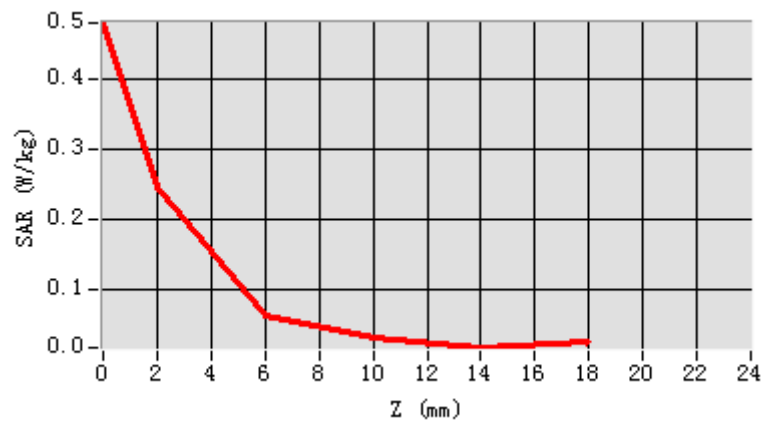


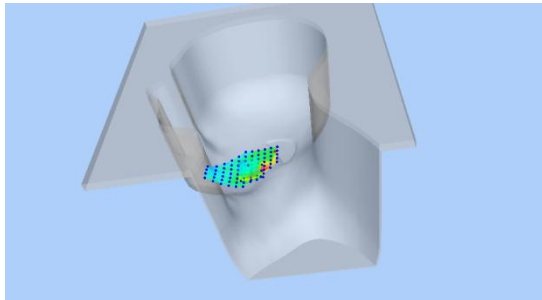
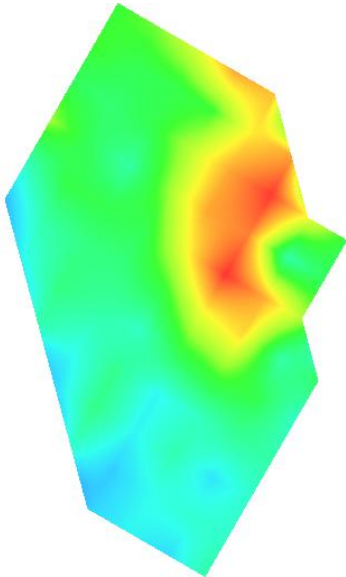
Maximum location: X=-35.00 Y=-43.00

SAR Peak: 0.65 W/kg

SAR 10g (W/Kg)	0.106607
SAR 1g (W/Kg)	0.249920

Z (mm)	0.00	2.00	6.00	10.00	14.00
SAR (W/Kg)	0.4794	0.2451	0.0613	0.0313	0.0158



3D screen shot	Hot spot position
	

Plot 29: WIFI 5G 802.11n(40MHz), Back, Middle,10mm

Type: Phone measurement

Date of measurement: 07/20/2020

Measurement duration: 22 minutes 28 seconds

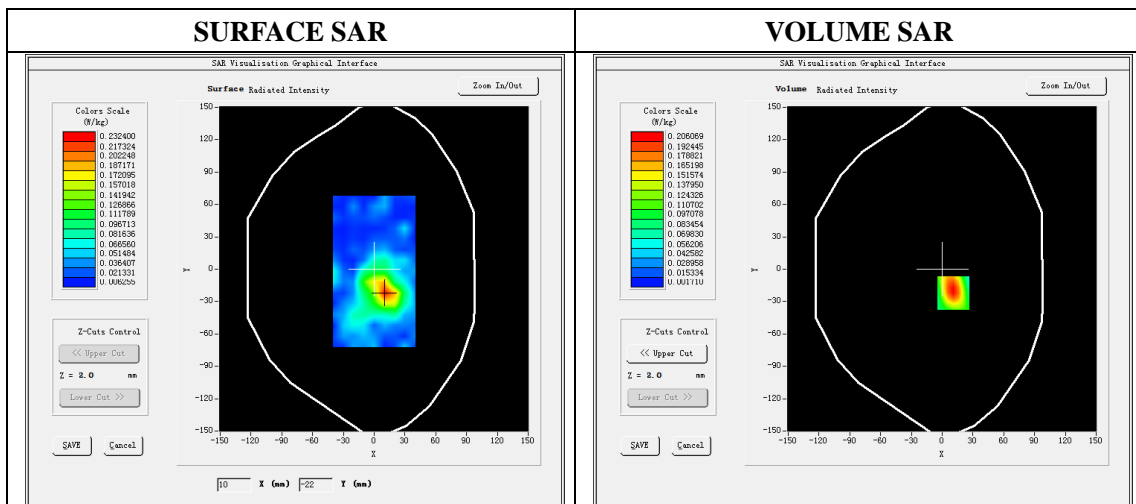
Mobile Phone IMEI number: --

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	38
Signal	OFDM (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_41/18_EPG0334
Frequency (MHz)	5190
Relative permittivity (real part)	19.04
Relative permittivity (imaginary)	18.48
Conductivity (S/m)	5.34
Variation (%)	1.12
ConvF:	2.21

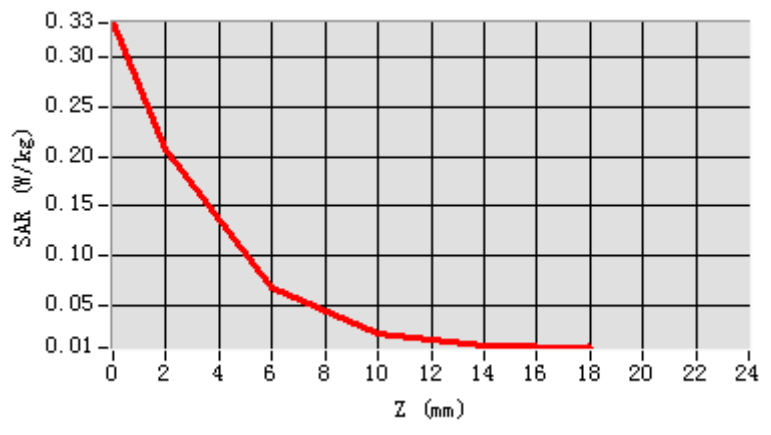


Maximum location: X=11.00 Y=-22.00

SAR Peak: 0.34 W/kg

SAR 10g (W/Kg)	0.052444
SAR 1g (W/Kg)	0.125657

Z (mm)	0.00	2.00	6.00	10.00	14.00
SAR (W/Kg)	0.3332	0.2061	0.0695	0.0229	0.0112



3D screen shot	Hot spot position
