

Appendix B: SAR Measurement results Plots

Plot	Frequency/Mode	Testing Position and Channel	Test Date
1	GSM850	Right Cheek Middle	2019/10/09
2	GSM850/GPRS4Tx	Body Back, Middle ,10mm	2019/10/09
3	GSM1900	Left Cheek Middle	2019/10/11
4	GSM1900/GPRS4Tx	Body Back, Middle ,10mm	2019/10/11
5	WCDMA1900	Left Cheek Middle	2019/10/11
6	WCDMA1900	Body Back, Middle ,10mm	2019/10/11
7	WCDMA850	Right Cheek Middle	2019/10/09
8	WCDMA850	Body Back, Middle ,10mm	2019/10/09
9	LTE Band2	Left Cheek Middle	2019/10/11
10	LTE Band2	Body Back, Middle ,10mm	2019/10/11
11	LTE Band4	Left Cheek Middle	2019/10/10
12	LTE Band4	Body Back, Middle ,10mm	2019/10/10
13	LTE Band5	Right Cheek Middle	2019/10/09
14	LTE Band5	Body Back, Middle ,10mm	2019/10/09
15	LTE Band7	Left Cheek Middle	2019/10/14
16	LTE Band7	Body Back, Middle ,10mm	2019/10/14
17	LTE Band12	Right Cheek Middle	2019/10/08
18	LTE Band12	Body Back, Middle ,10mm	2019/10/08
19	LTE Band17	Right Cheek Middle	2019/10/08
20	LTE Band17	Body Back, Middle ,10mm	2019/10/08
21	LTE Band41	Left Cheek Middle	2019/10/14
22	LTE Band41	Body Back, Middle ,10mm	2019/10/14
23	WIFI 2.4G 802.11b	Left Cheek Middle	2019/10/12
24	WIFI 2.4G 802.11b	Body Back, Middle ,10mm	2019/10/12
25	WIFI 5G 802.11a	Left Cheek Middle	2019/10/15
26	WIFI 5G 802.11a	Body Back, Middle ,10mm	2019/10/15
27	CDMA BC0	Left Cheek Middle	2019/10/09
28	CDMA BC0	Body Back, Middle ,10mm	2019/10/09
29	BT	Left Cheek Middle	2019/10/12
30	BT	Body Back, Middle ,10mm	2019/10/12

Plot 1: GSM850, Right Cheek, Middle

Type: Phone measurement

Date of measurement: 10/09/2019

Measurement duration: 22 minutes 05 seconds

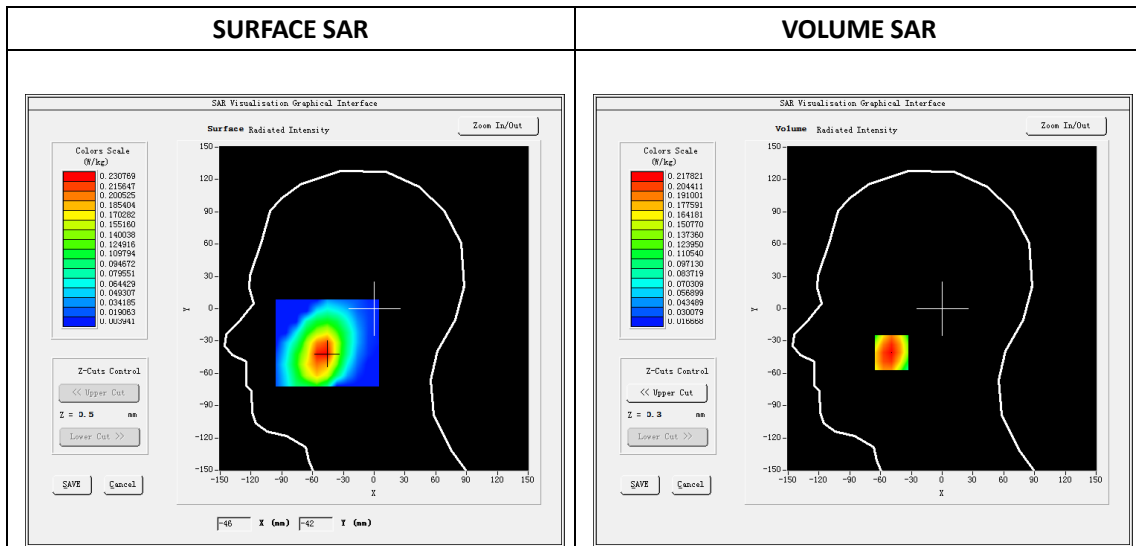
Mobile Phone IMEI number: --

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	GSM850
Channels	190
Signal	GSM (Duty cycle: 1:8.3)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.6
Relative permittivity (real part)	41.67
Relative permittivity (imaginary part)	20.05
Conductivity (S/m)	0.93
Variation (%)	-1.49
ConvF:	1.92

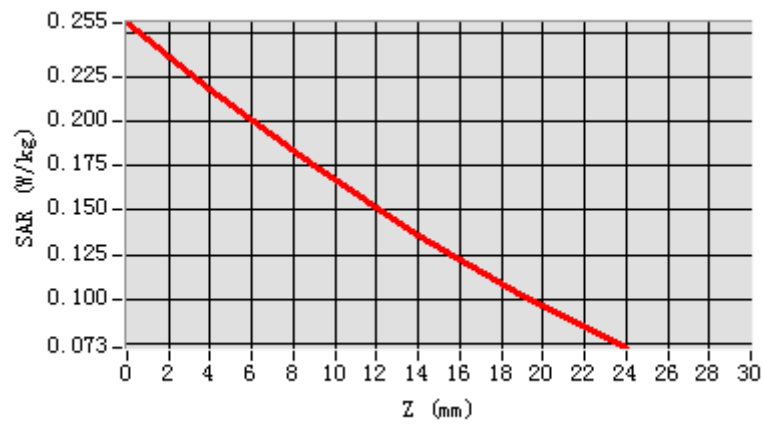


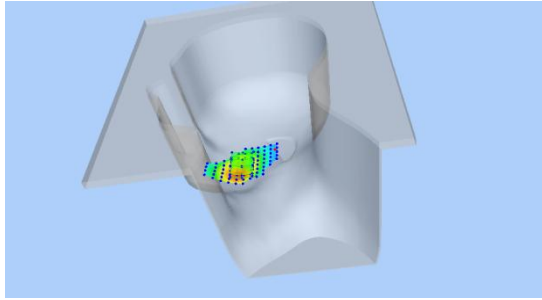
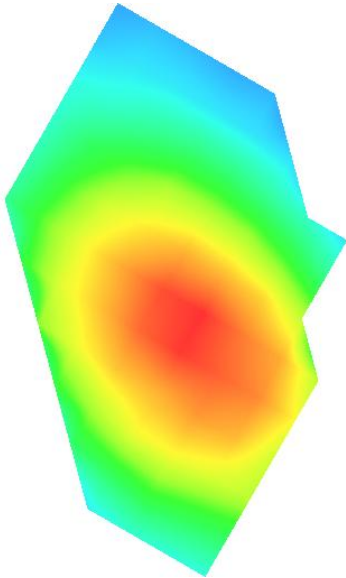
Maximum location: X=-49.00, Y=-41.00

SAR Peak: 0.26W/kg

SAR 10g (W/Kg)	0.151015
SAR 1g (W/Kg)	0.209356

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2552	0.2178	0.1749	0.1362	0.1021



3D screen shot	Hot spot position
	

Plot 2: GPRS850, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 10/09/2019

Measurement duration: 22 minutes 08 seconds

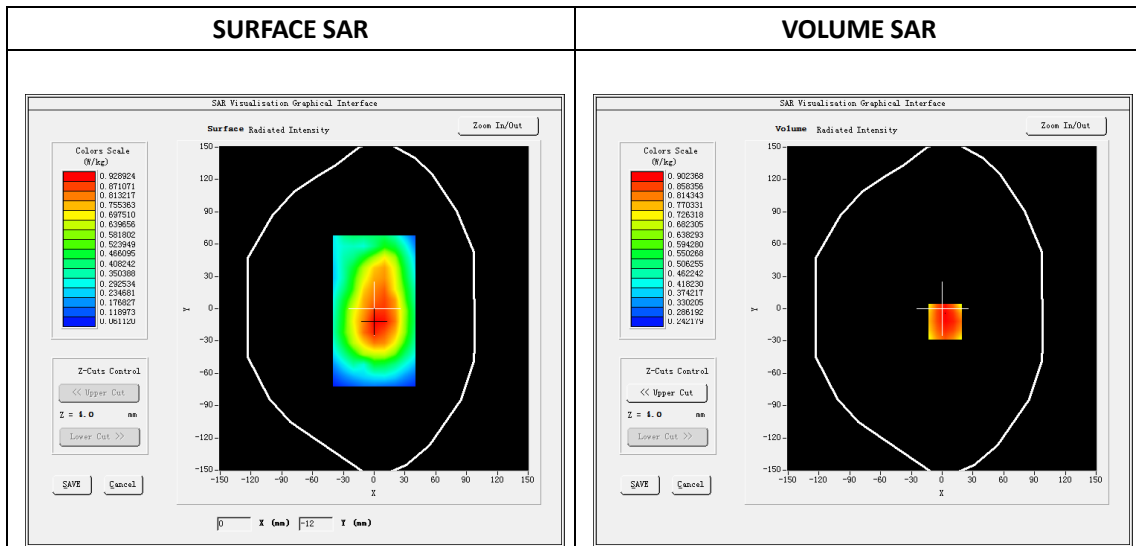
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.6
Relative permittivity (real part)	55.52
Relative permittivity (imaginary part)	21.34
Conductivity (S/m)	0.99
Variation (%)	-1.10
ConvF:	1.99

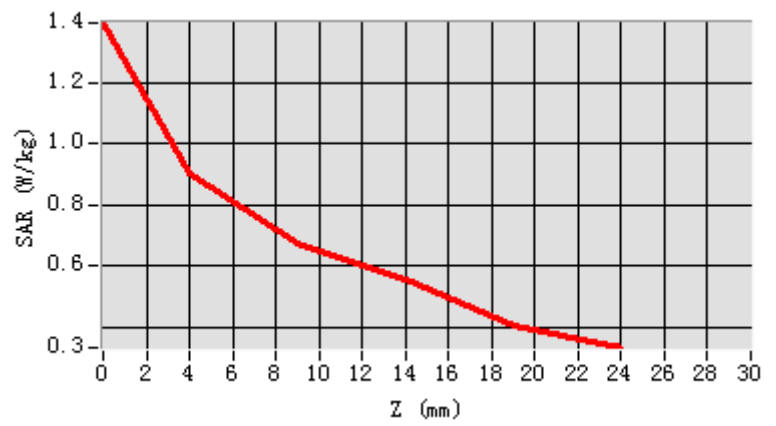


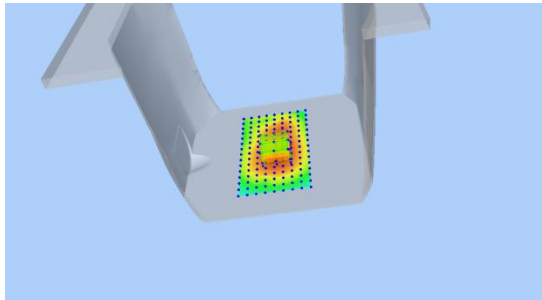
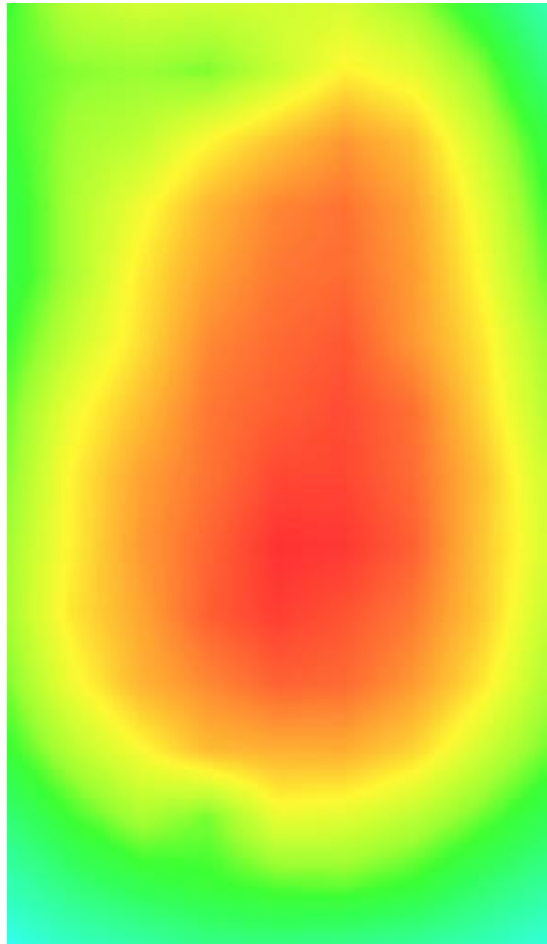
Maximum location: X=3.00, Y=-12.00

SAR Peak: 1.10 W/kg

SAR 10g (W/Kg)	0.669481
SAR 1g (W/Kg)	0.890599

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.3969	0.9024	0.6757	0.5540	0.4058



3D screen shot	Hot spot position
	

Plot 3: GSM1900, Left Cheek, Middle

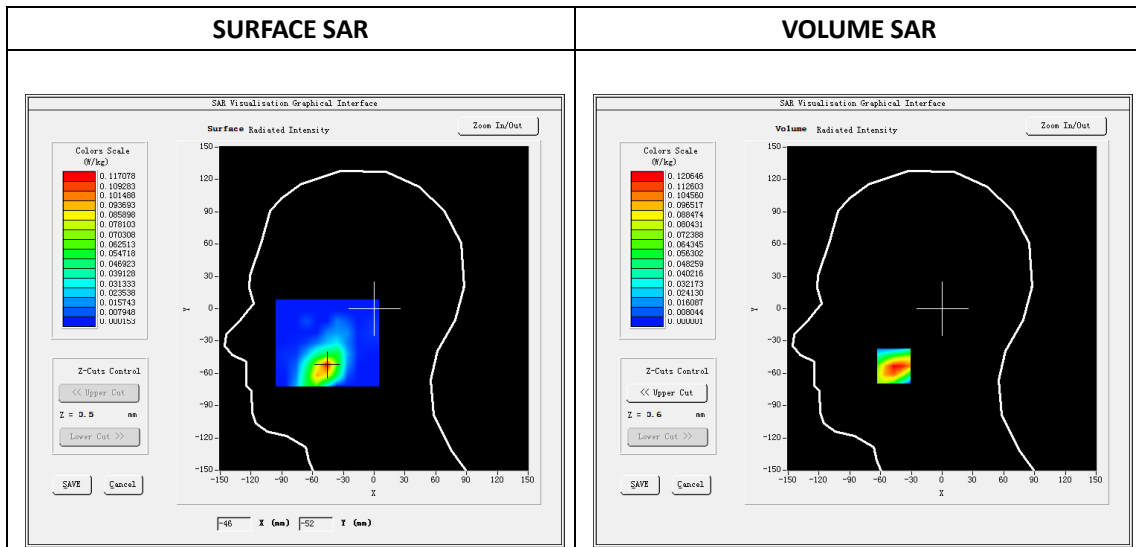
Type: Phone measurement
 Date of measurement: 10/11/2019
 Measurement duration: 22 minutes 06 seconds
 Mobile Phone IMEI number: --

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_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	40.65
Relative permittivity (imaginary part)	13.64
Conductivity (S/m)	1.44
Variation (%)	-3.96
ConvF:	2.34

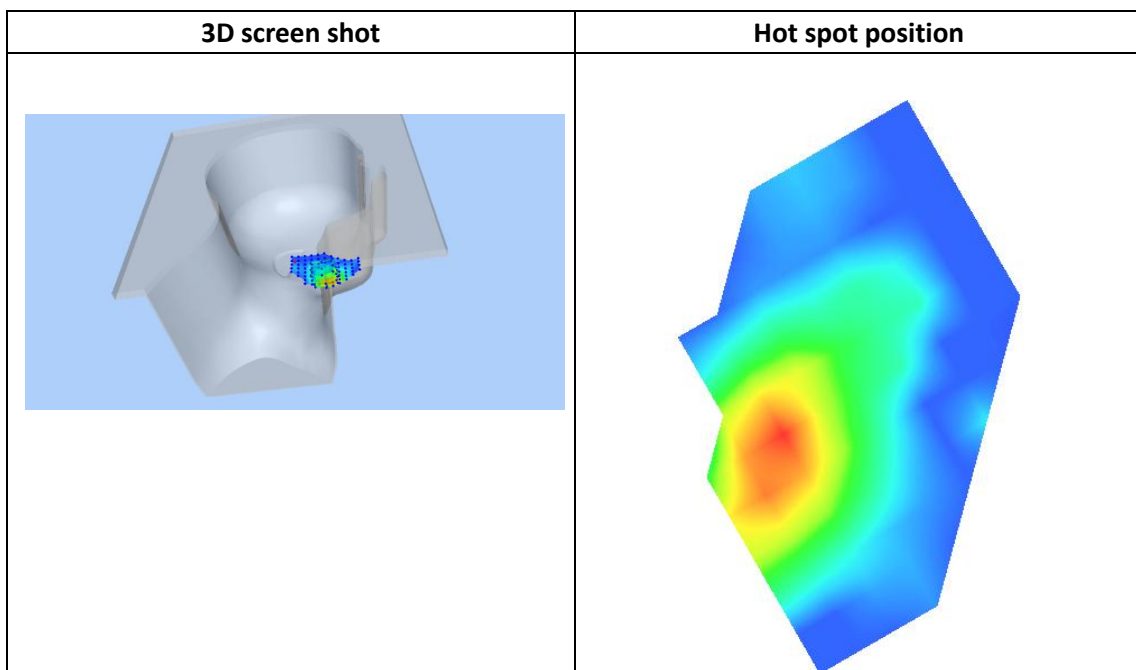
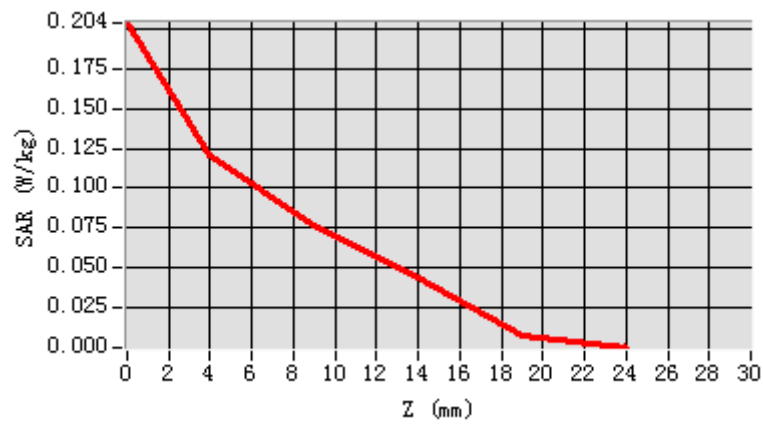


Maximum location: X=-47.00, Y=-53.00

SAR Peak: 0.26 W/kg

SAR 10g (W/Kg)	0.063015
SAR 1g (W/Kg)	0.126917

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2036	0.1206	0.0772	0.0446	0.0081



Plot 4: GPRS1900, Back, Middle ,10mm

Type: Phone measurement

Date of measurement: 10/11/2019

Measurement duration: 22 minutes 02 seconds

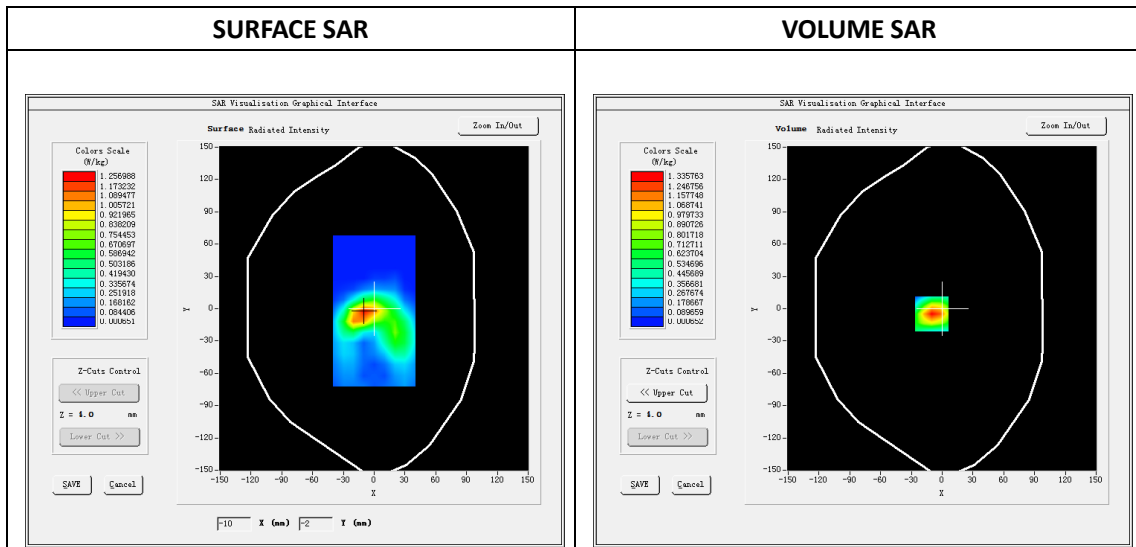
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.64
Relative permittivity (imaginary part)	14.87
Conductivity (S/m)	1.57
Variation (%)	-1.98
ConvF:	2.39

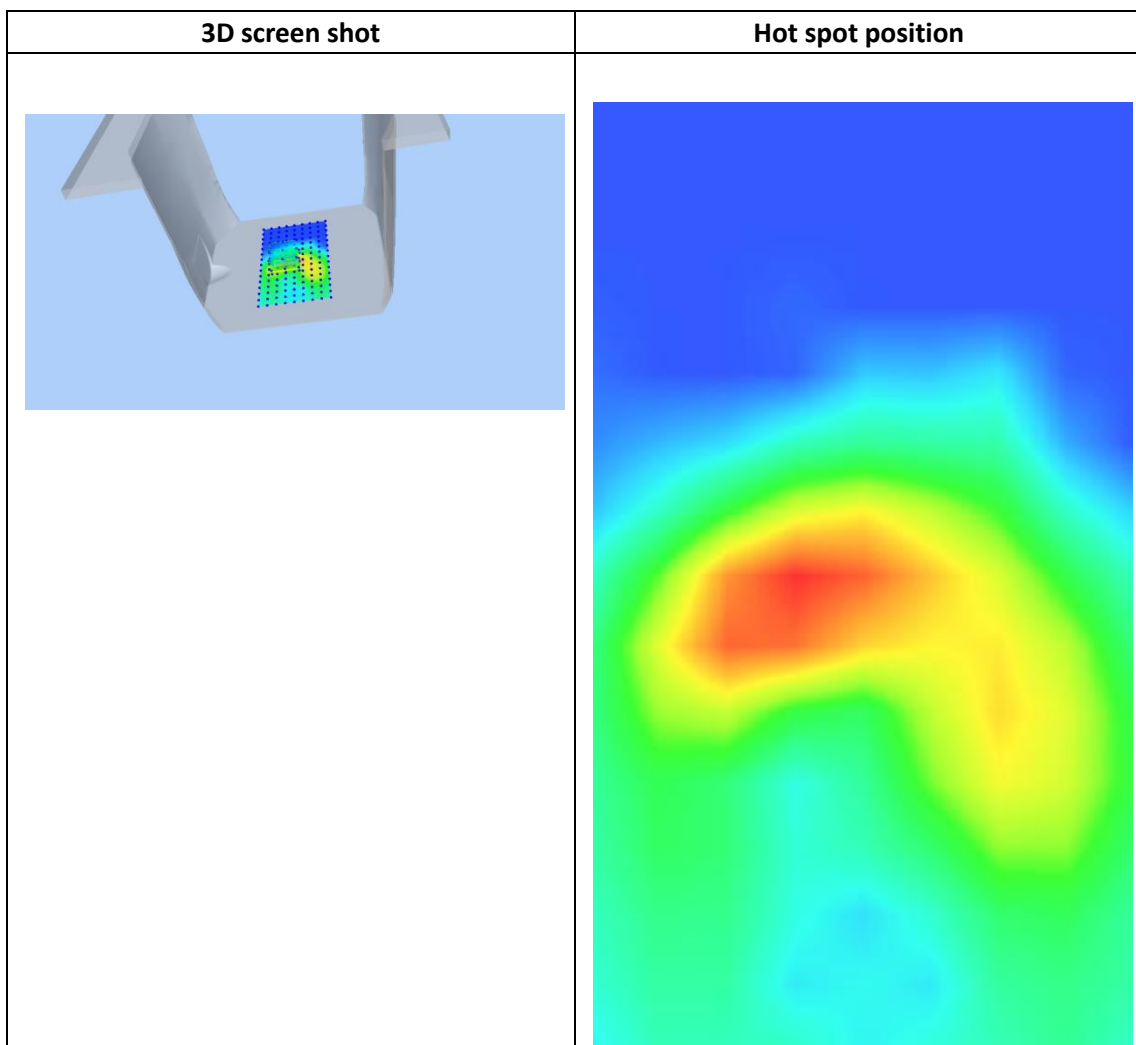
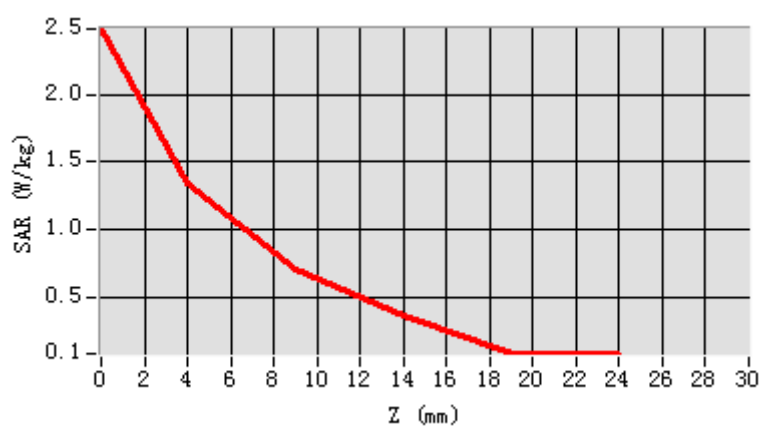


Maximum location: X=-10.00, Y=-5.00

SAR Peak: 2.19W/kg

SAR 10g (W/Kg)	0.591139
SAR 1g (W/Kg)	1.132083

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	2.4891	1.3358	0.6979	0.3536	0.0769



Plot 5: WCDMA1900, Left Cheek, Middle,10mm

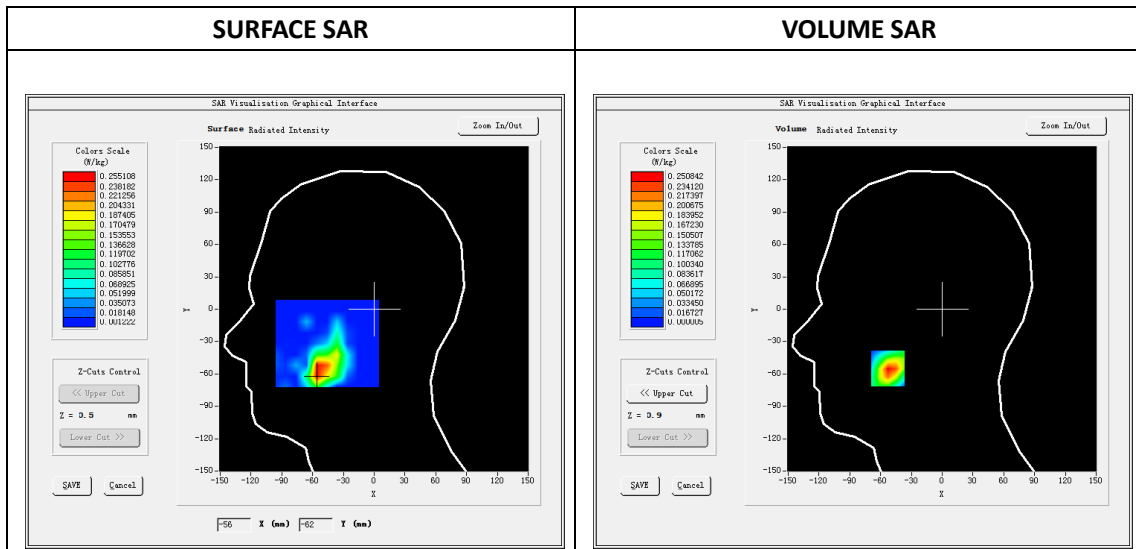
Type: Phone measurement
 Date of measurement: 10/11/2019
 Measurement duration: 22 minutes 12 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

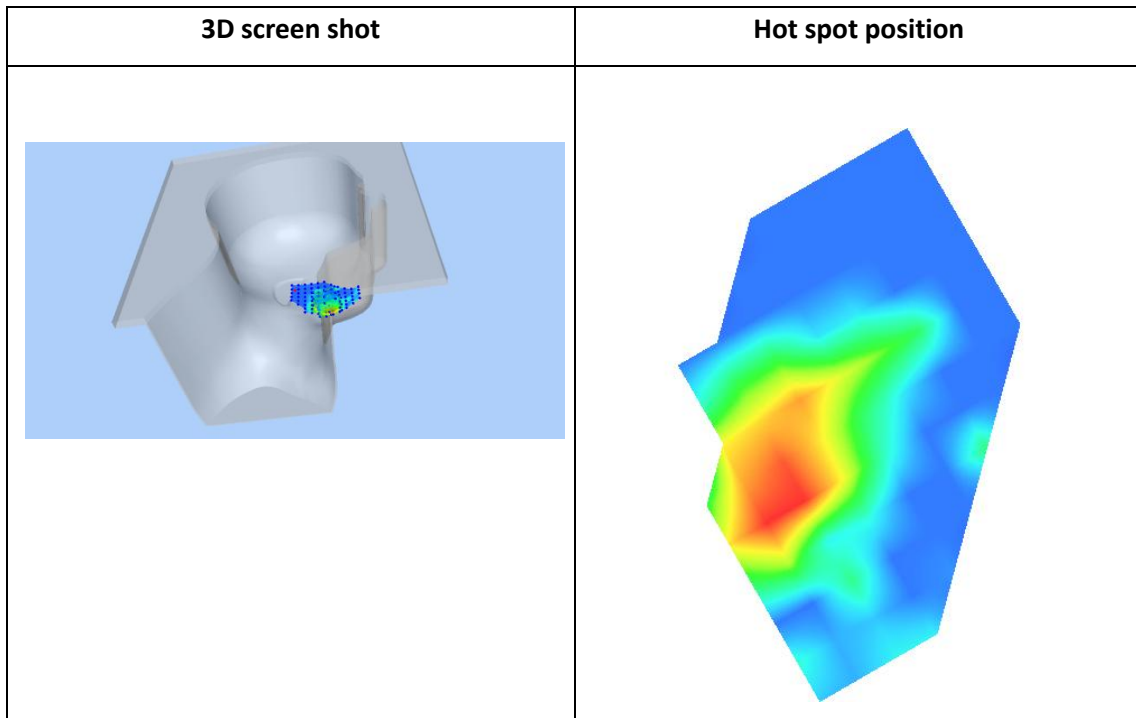
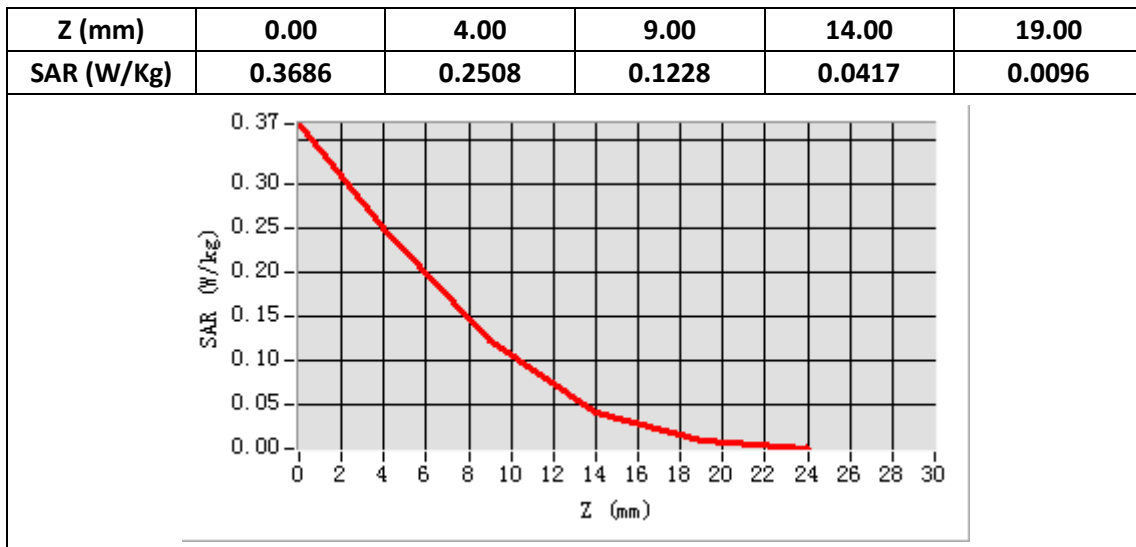
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	40.65
Relative permittivity (imaginary part)	13.64
Conductivity (S/m)	1.44
Variation (%)	1.11
ConvF:	2.34



Maximum location: X=-53.00, Y=-55.00

SAR Peak: 0.42W/kg

SAR 10g (W/Kg)	0.104884
SAR 1g (W/Kg)	0.234072



Plot 6: WCDMA1900, Back, Middle,10mm

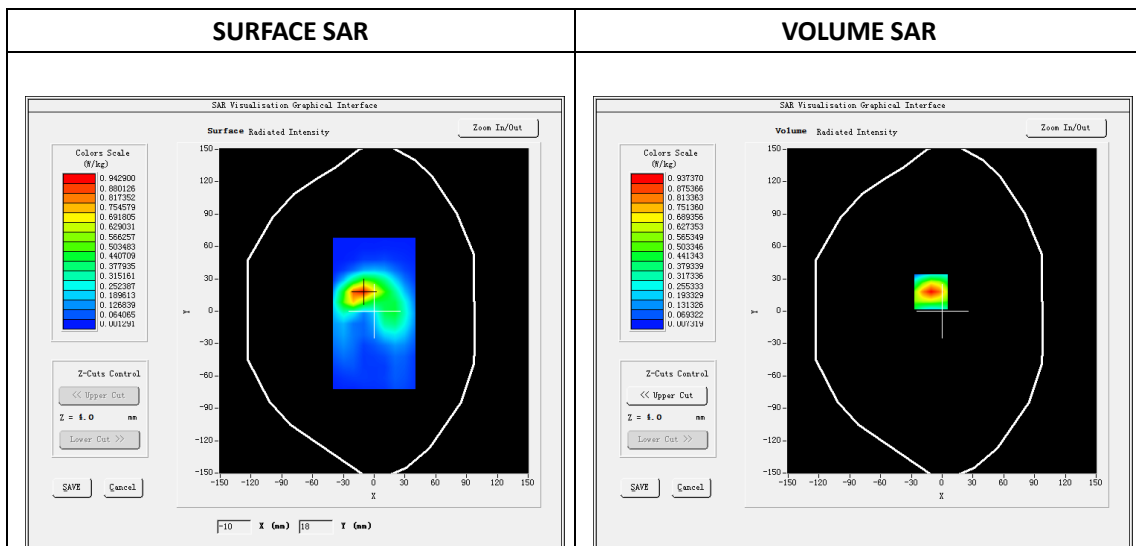
Type: Phone measurement
 Date of measurement: 10/11/2019
 Measurement duration: 22 minutes 16 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

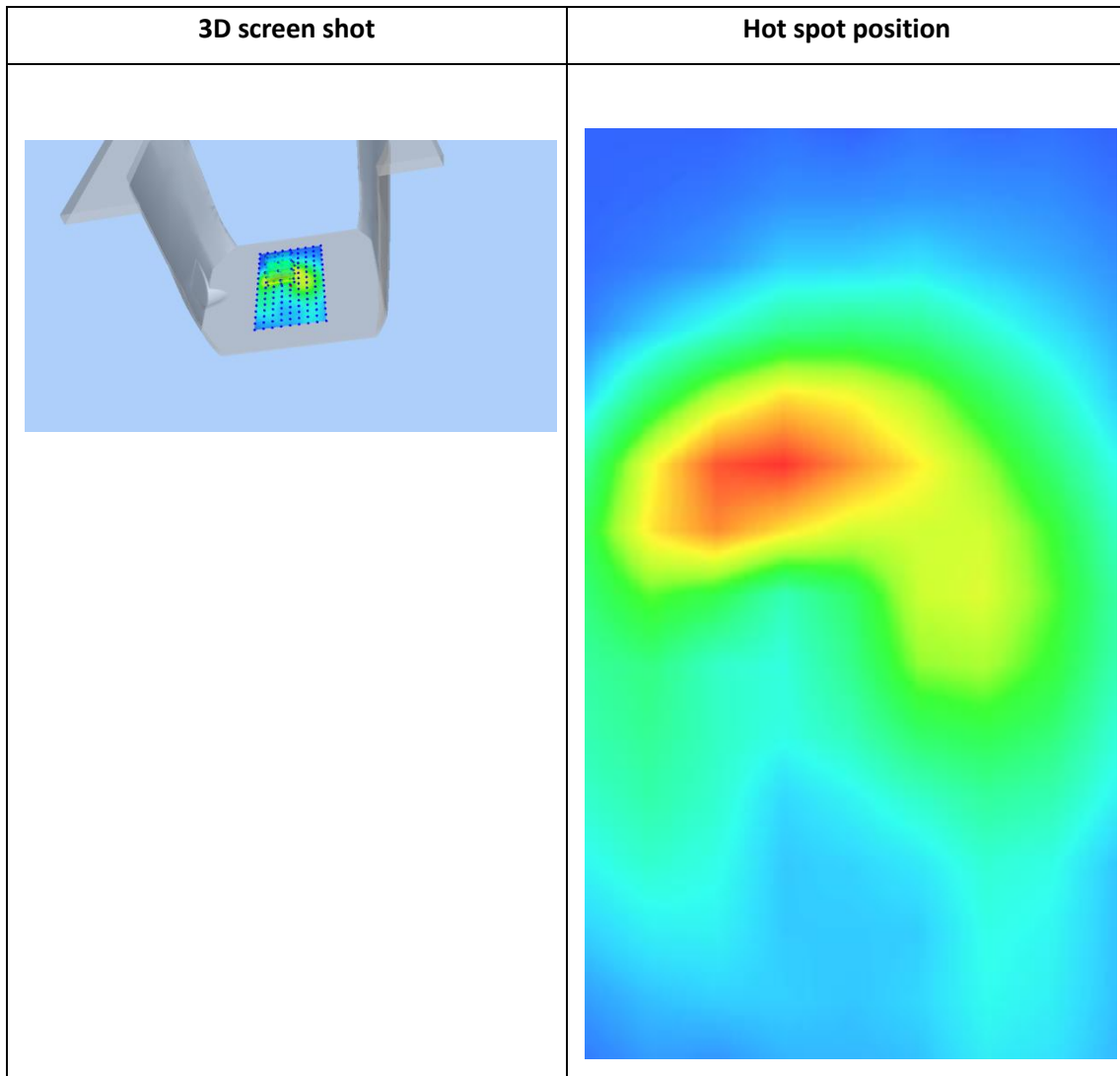
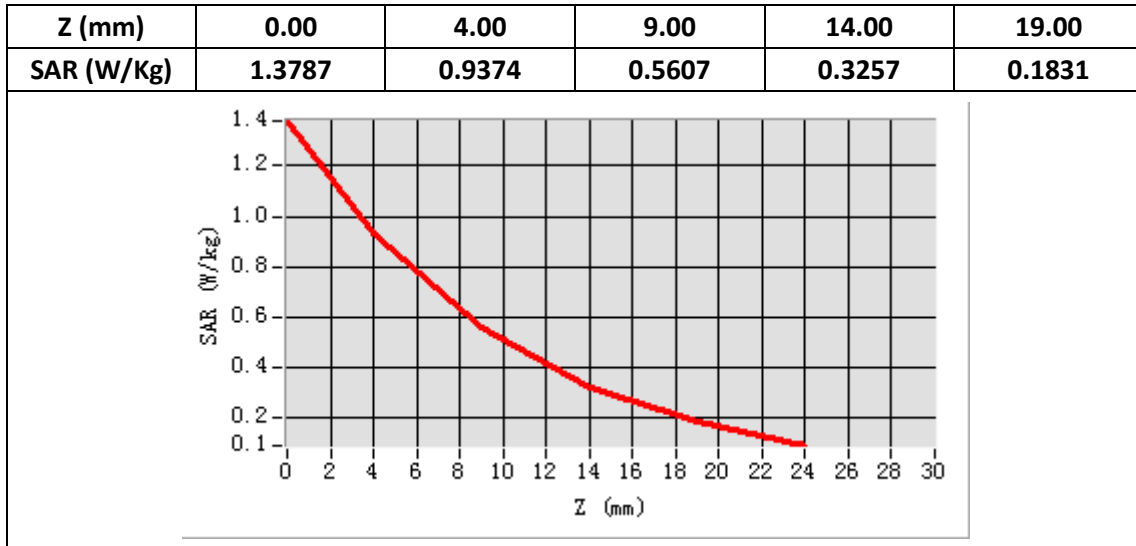
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.64
Relative permittivity (imaginary part)	14.87
Conductivity (S/m)	1.57
Variation (%)	-2.03
ConvF:	2.39



Maximum location: X=-11.00, Y=18.00

SAR Peak: 1.39W/kg

SAR 10g (W/Kg)	0.445900
SAR 1g (W/Kg)	0.856360



Plot 7: WCDMA850, Right Cheek, Middle

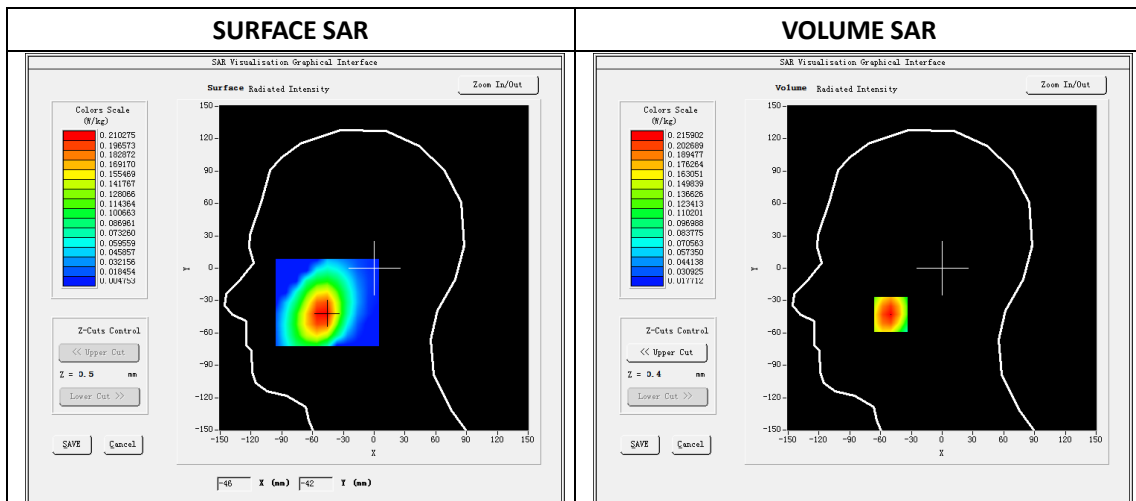
Type: Phone measurement
 Date of measurement: 10/09/2019
 Measurement duration: 22 minutes 17 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Cheek
Band	Band5_WCDMA850
Channels	4132
Signal	WCDMA (Duty cycle: 1:1)

B. SAR Measurement Results

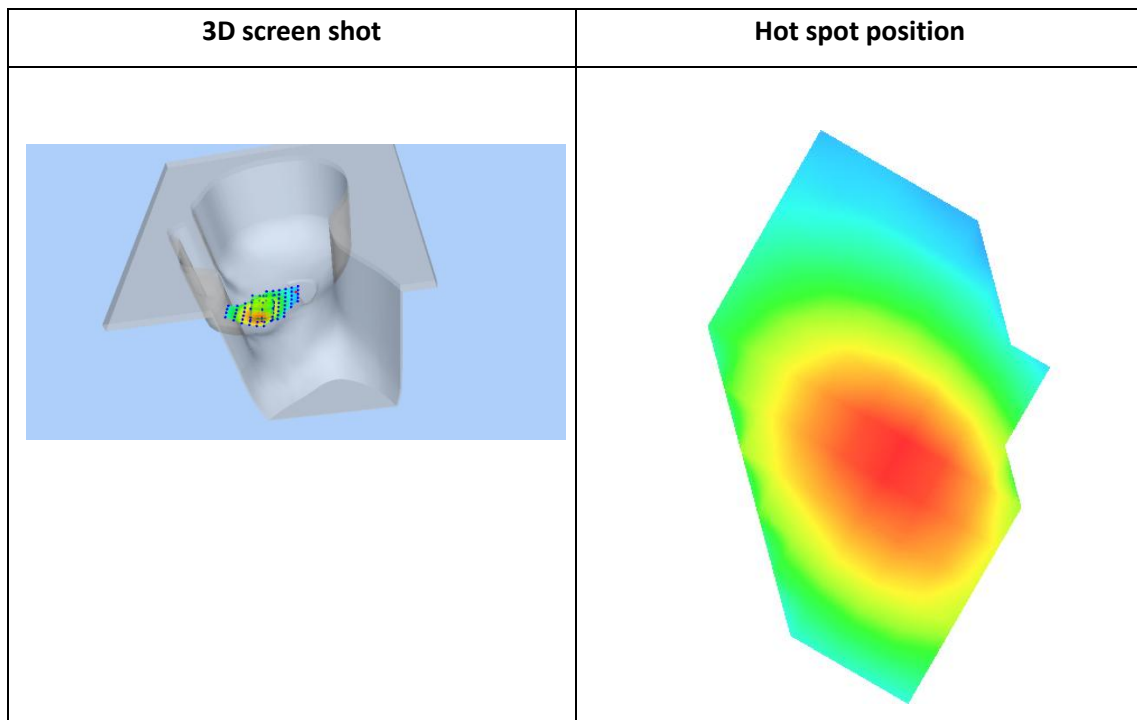
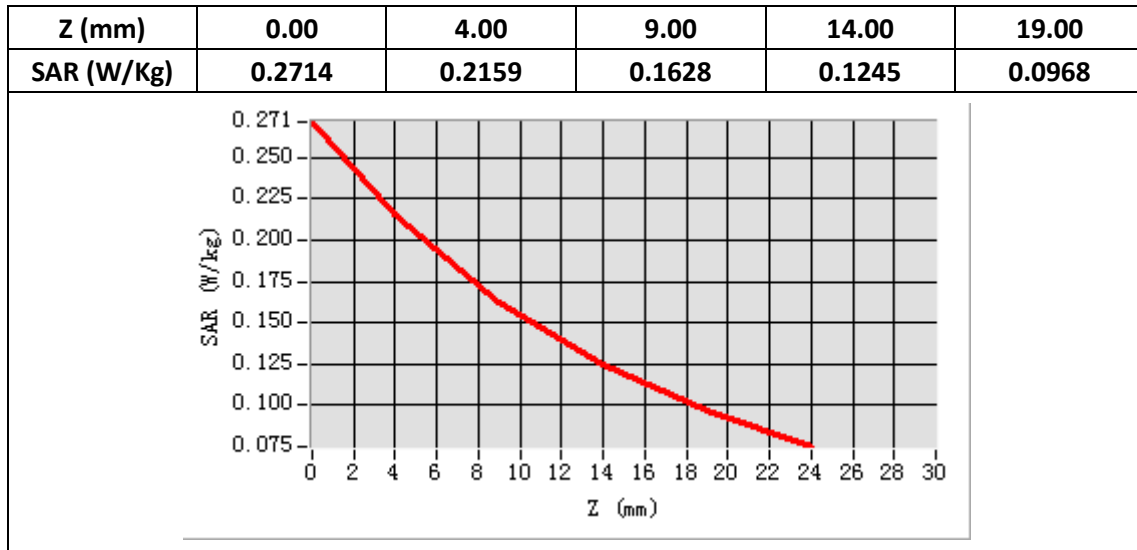
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	826.4
Relative permittivity (real part)	41.67
Relative permittivity (imaginary part)	20.05
Conductivity (S/m)	0.93
Variation (%)	-4.78
ConvF:	1.92



Maximum location: X=-50.00, Y=-43.00

SAR Peak: 0.27W/kg

SAR 10g (W/Kg)	0.146226
SAR 1g (W/Kg)	0.206859



Plot 8: WCDMA850, Back, Middle,10mm

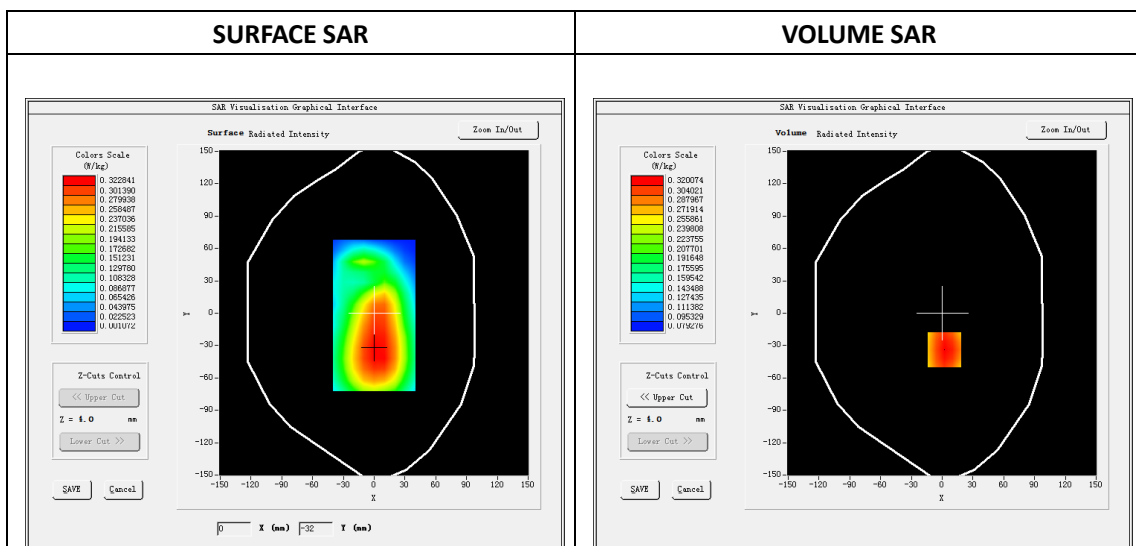
Type: Phone measurement
 Date of measurement: 10/09/2019
 Measurement duration: 22 minutes 19 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	Band5_WCDMA850
Channels	4132
Signal	WCDMA (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	826.4
Relative permittivity (real part)	55.52
Relative permittivity (imaginary part)	21.34
Conductivity (S/m)	0.99
Variation (%)	-2.08
ConvF:	1.99

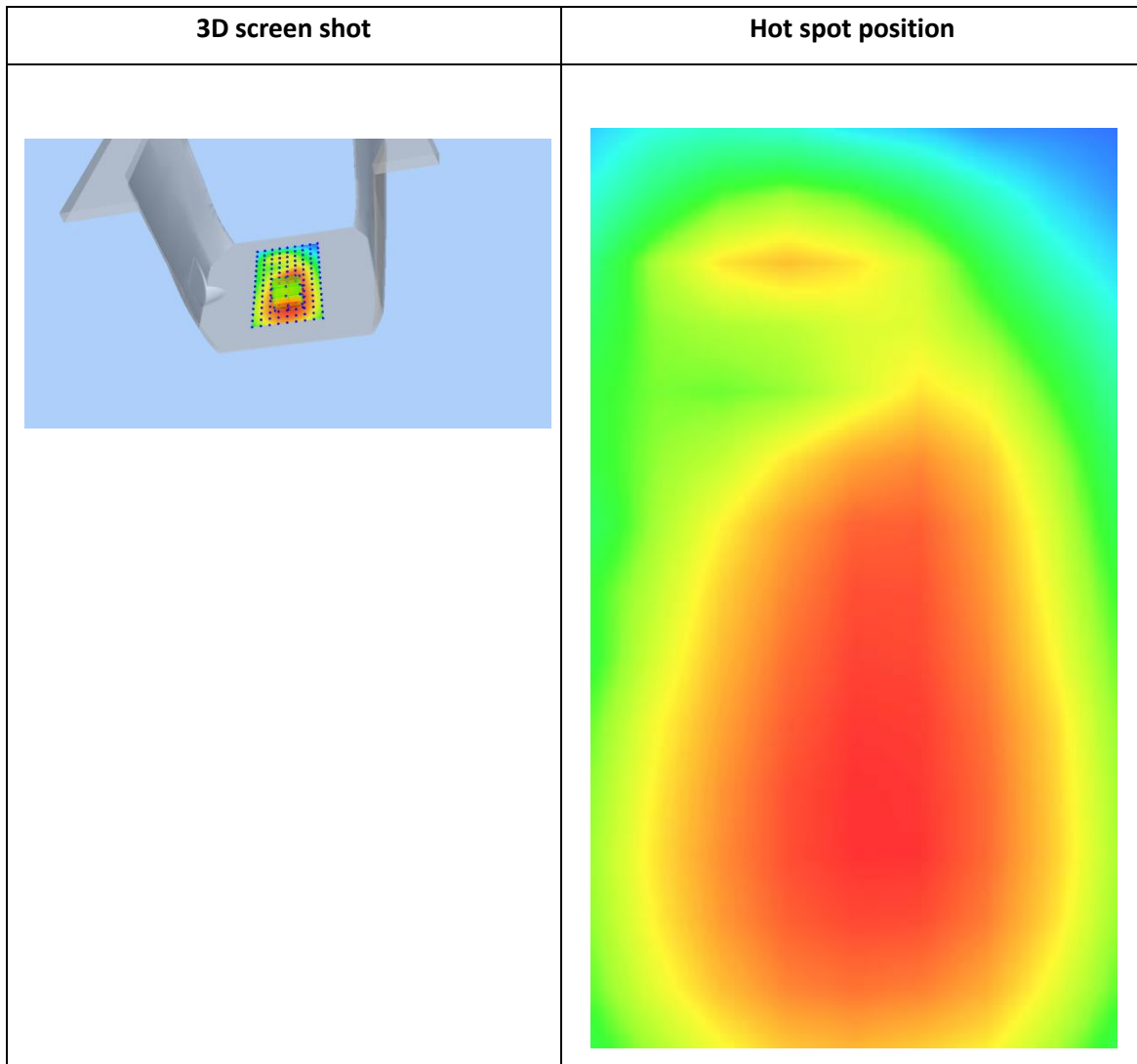
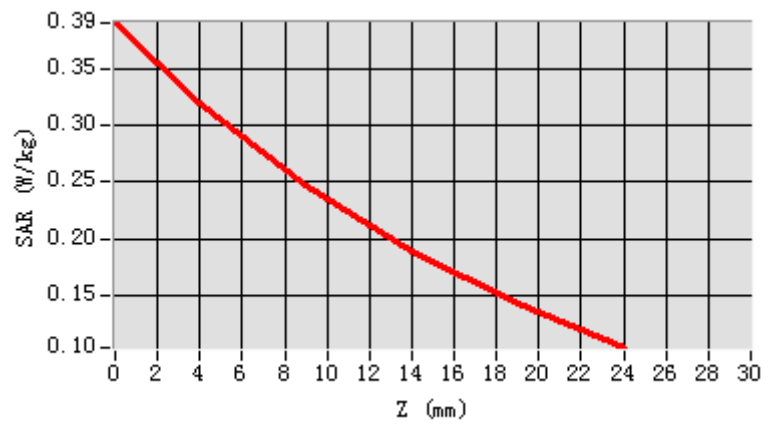


Maximum location: X=2.00, Y=-34.00

SAR Peak: 0.40W/kg

SAR 10g (W/Kg)	0.231878
SAR 1g (W/Kg)	0.315471

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3904	0.3201	0.2473	0.1891	0.1426



Plot 9: LTE Band2, 20MHz, Left Cheek, Middle

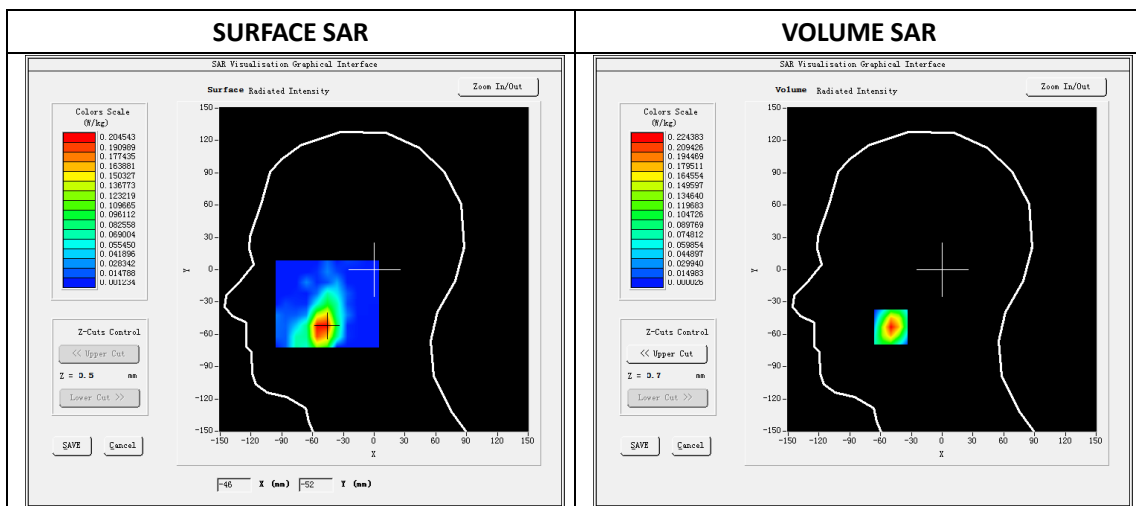
Type: Phone measurement
 Date of measurement: 10/11/2019
 Measurement duration: 22 minutes 20 econds
 Mobile Phone IMEI number: --

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

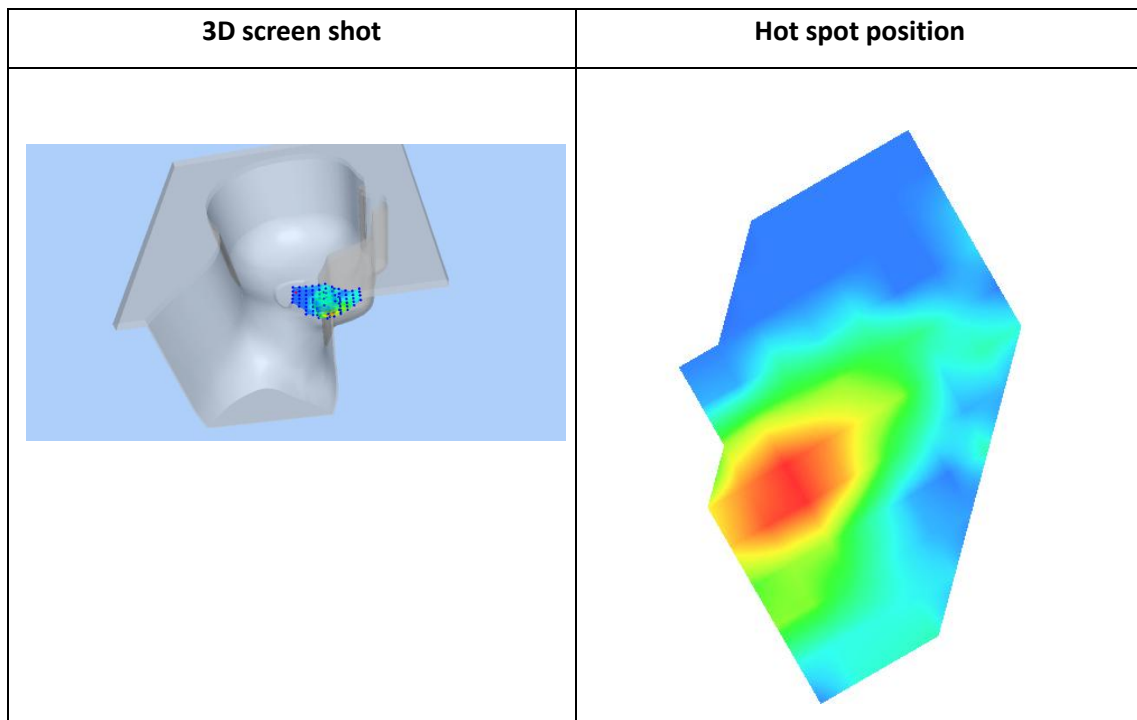
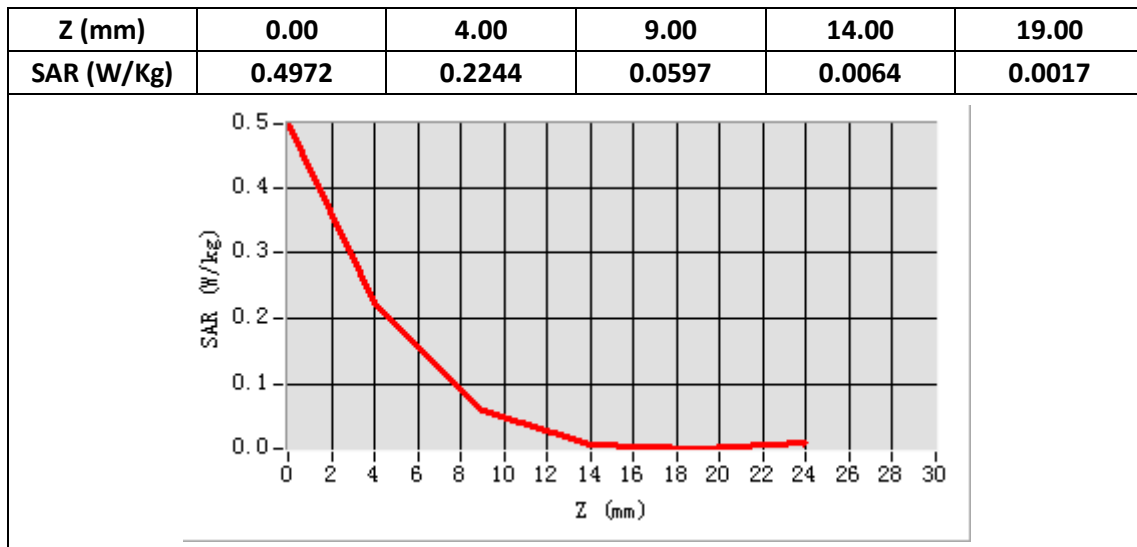
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	40.65
Relative permittivity (imaginary part)	13.64
Conductivity (S/m)	1.44
Variation (%)	2.22
ConvF:	2.34



Maximum location: X=-50.00, Y=-53.00

SAR Peak: 0.54 W/kg

SAR 10g (W/Kg)	0.092671
SAR 1g (W/Kg)	0.222256



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

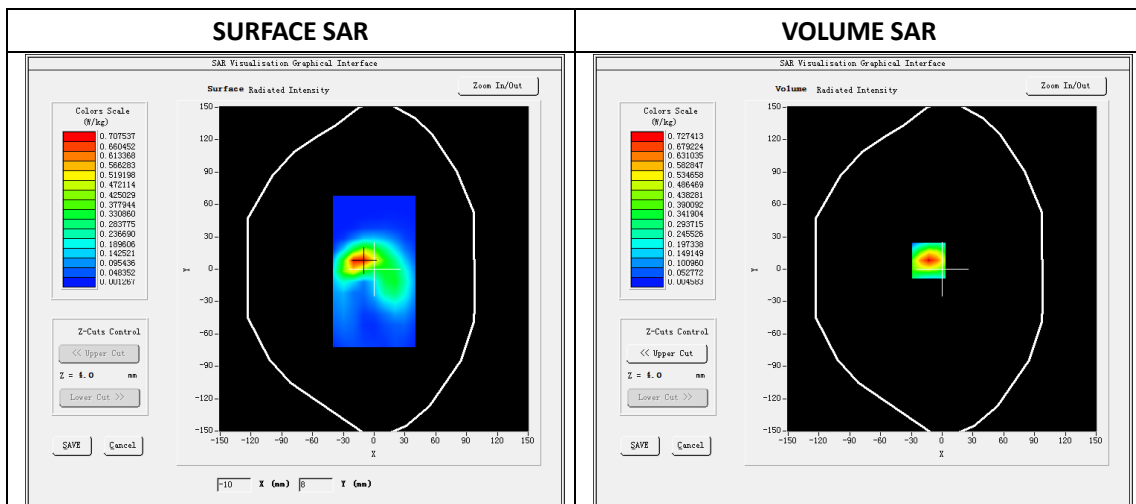
Type: Phone measurement
 Date of measurement: 10/11/2019
 Measurement duration: 22 minutes 21 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

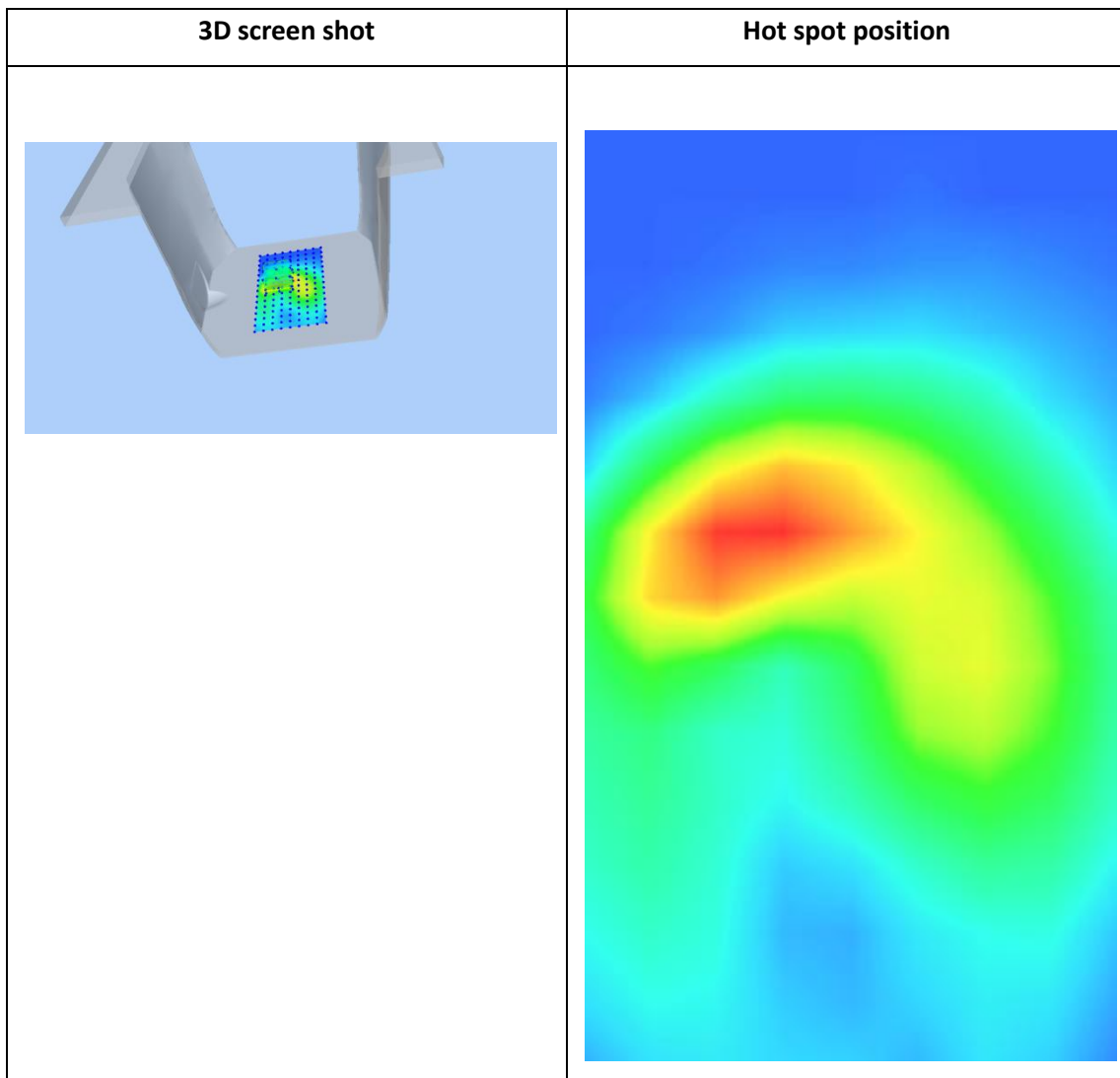
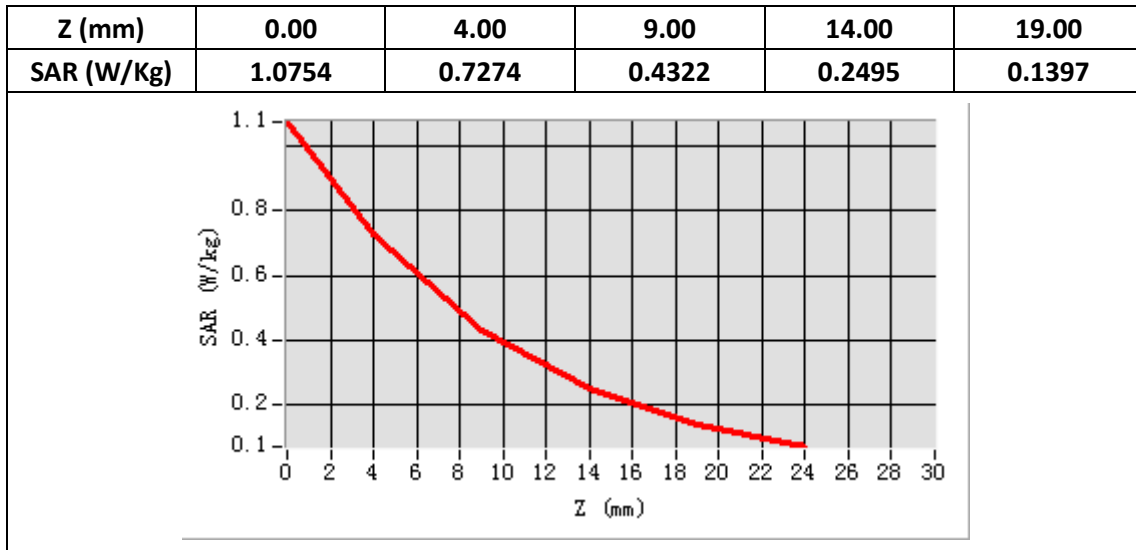
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.64
Relative permittivity (imaginary part)	14.87
Conductivity (S/m)	1.57
Variation (%)	2.43
ConvF:	2.39



Maximum location: X=-13.00, Y=8.00

SAR Peak: 1.08W/kg

SAR 10g (W/Kg)	0.342405
SAR 1g (W/Kg)	0.662925



Plot 11: LTE Band4, 20MHz, Left Cheek, Middle

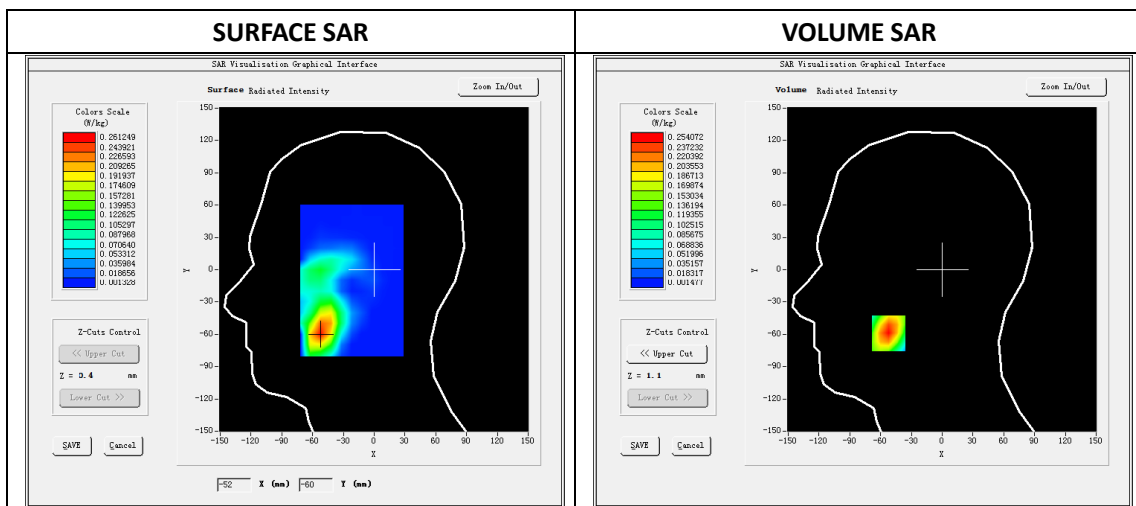
Type: Phone measurement
 Date of measurement: 10/10/2019
 Measurement duration: 22 minutes 26 econds
 Mobile Phone IMEI number: --

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_27/15_EPG0261
Frequency (MHz)	1732.5
Relative permittivity (real part)	40.84
Relative permittivity (imaginary part)	14.20
Conductivity (S/m)	1.42
Variation (%)	-4.40
ConvF:	2.14

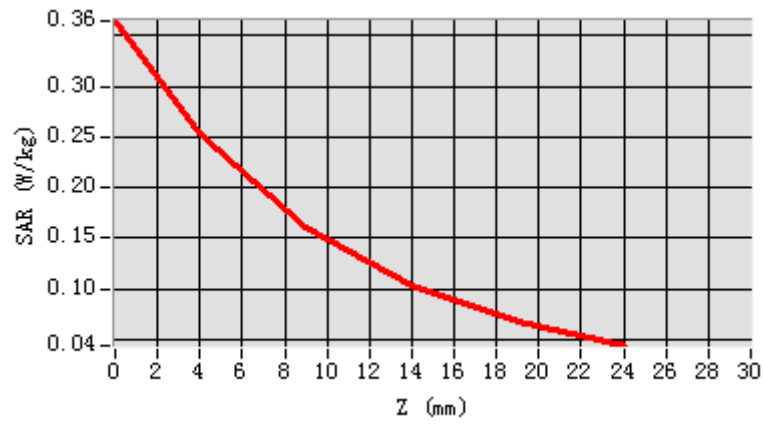


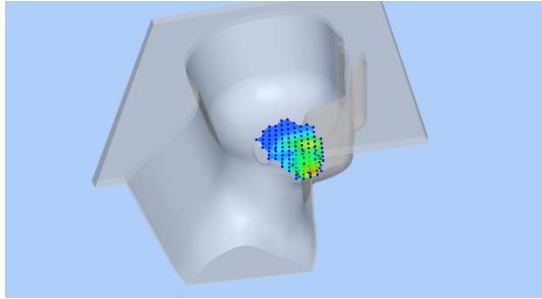
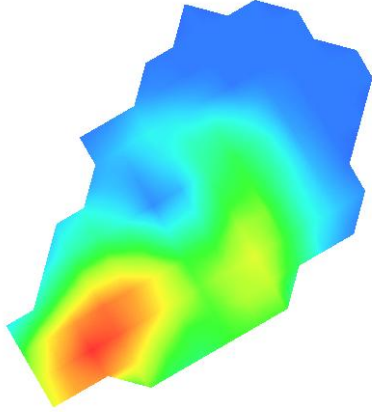
Maximum location: X=-52.00, Y=-59.00

SAR Peak: 0.37 W/kg

SAR 10g (W/Kg)	0.141562
SAR 1g (W/Kg)	0.242859

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3644	0.2541	0.1603	0.1024	0.0673



3D screen shot	Hot spot position
	

Plot 12: LTE Band4, 20MHz, Back, Middle,10mm

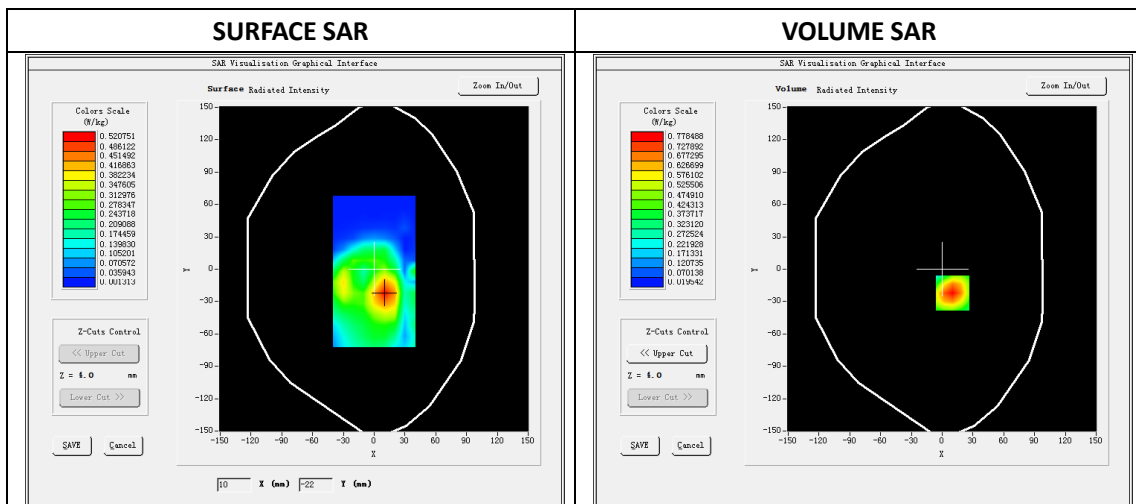
Type: Phone measurement
 Date of measurement: 10/11/2019
 Measurement duration: 22 minutes 24 seconds
 Mobile Phone IMEI number: --

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

B. SAR Measurement Results

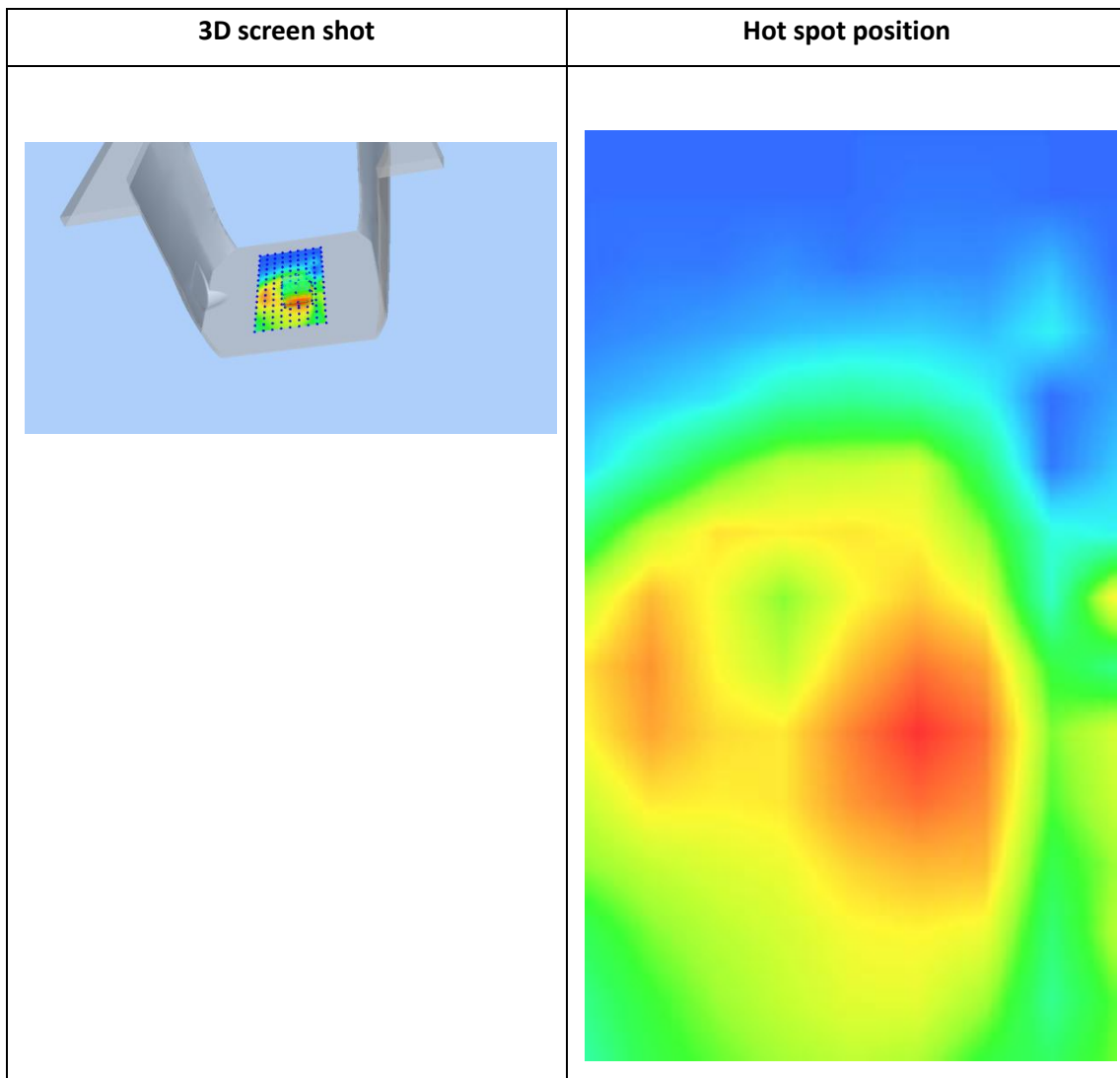
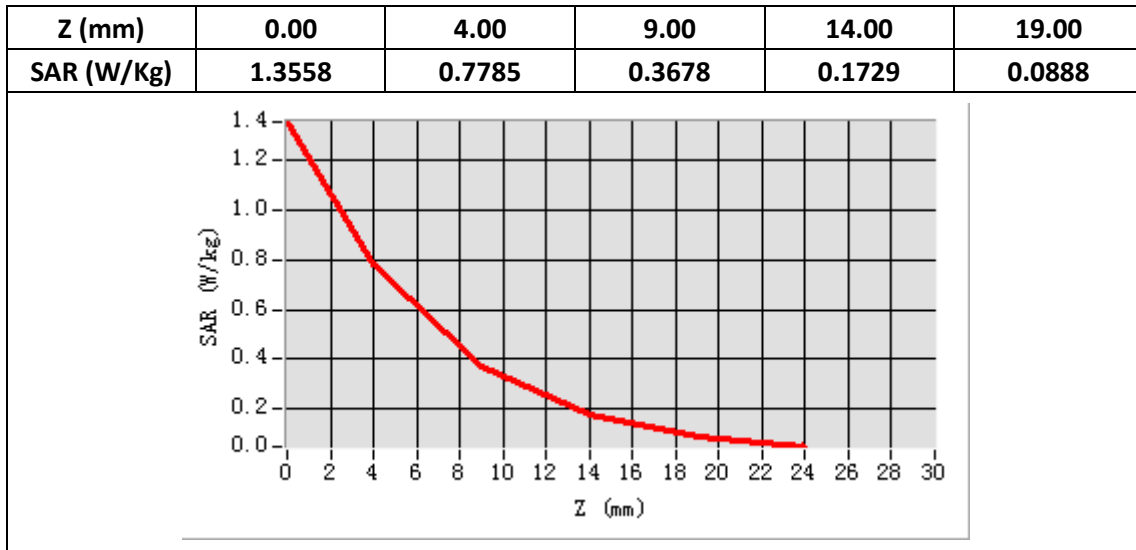
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.5
Relative permittivity (real part)	53.81
Relative permittivity (imaginary part)	15.50
Conductivity (S/m)	1.55
Variation (%)	-4.17
ConvF:	2.22



Maximum location: X=10.00, Y=-22.00

SAR Peak: 1.36W/kg

SAR 10g (W/Kg)	0.394340
SAR 1g (W/Kg)	0.736031



Plot 13: LTE Band5, 10MHz,Right Cheek, Middle

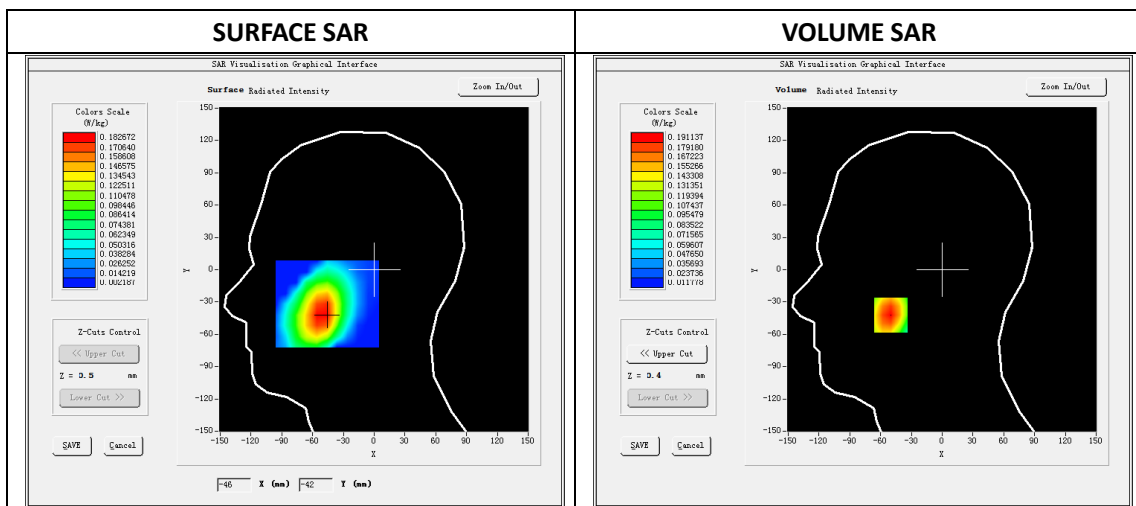
Type: Phone measurement
 Date of measurement: 10/09/2019
 Measurement duration: 22 minutes 27 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.5
Relative permittivity (real part)	41.67
Relative permittivity (imaginary part)	20.05
Conductivity (S/m)	0.93
Variation (%)	-2.47
ConvF:	1.92

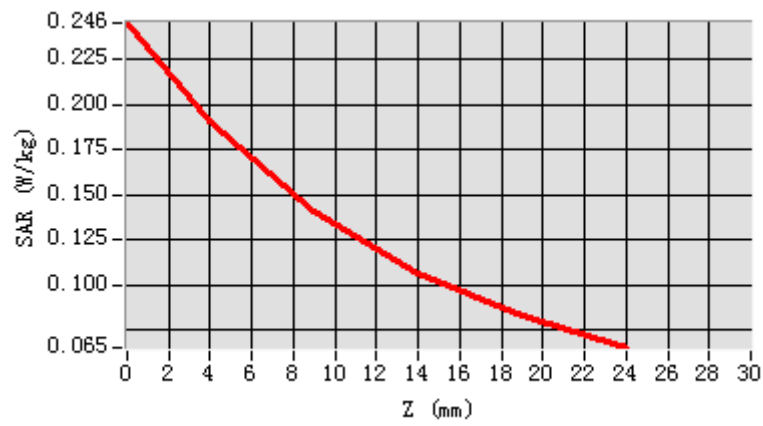


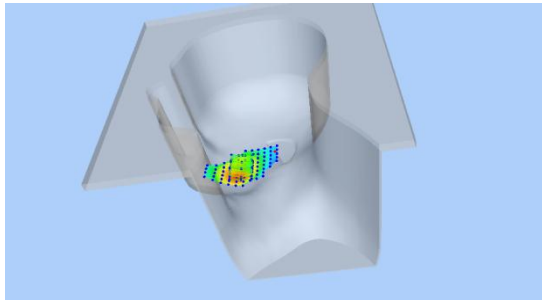
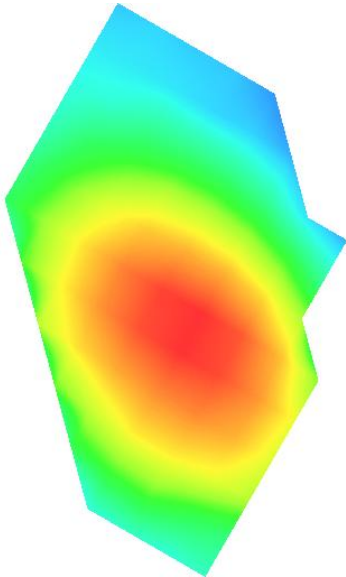
Maximum location: X=-50.00, Y=-42.00

SAR Peak: 0.25 W/kg

SAR 10g (W/Kg)	0.128485
SAR 1g (W/Kg)	0.183212

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2455	0.1911	0.1409	0.1065	0.0830



3D screen shot	Hot spot position
	

Plot 14: LTE Band5, 10MHz, Back, Middle,10mm

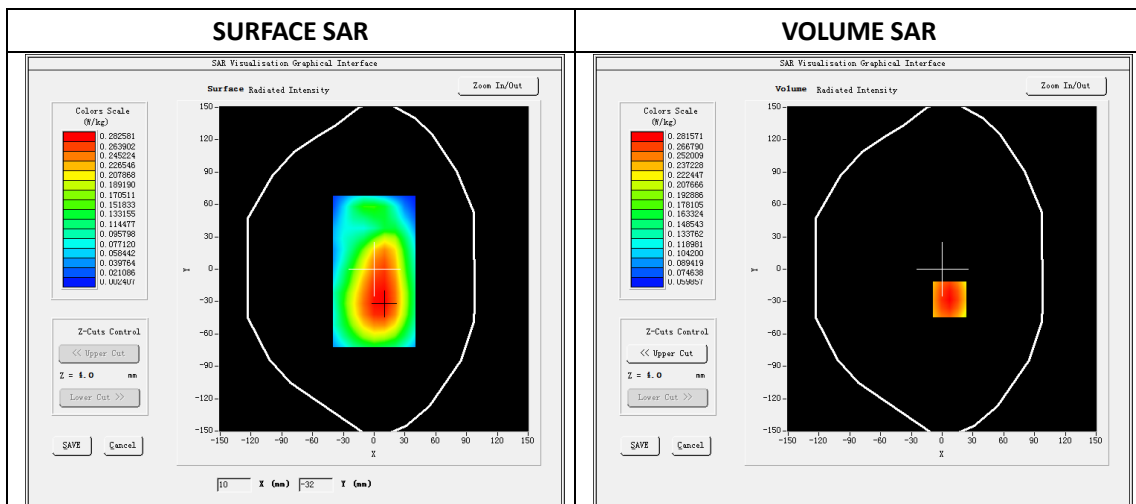
Type: Phone measurement
 Date of measurement: 10/09/2019
 Measurement duration: 22 minutes 28 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.5
Relative permittivity (real part)	55.52
Relative permittivity (imaginary part)	21.34
Conductivity (S/m)	0.99
Variation (%)	-3.28
ConvF:	1.99

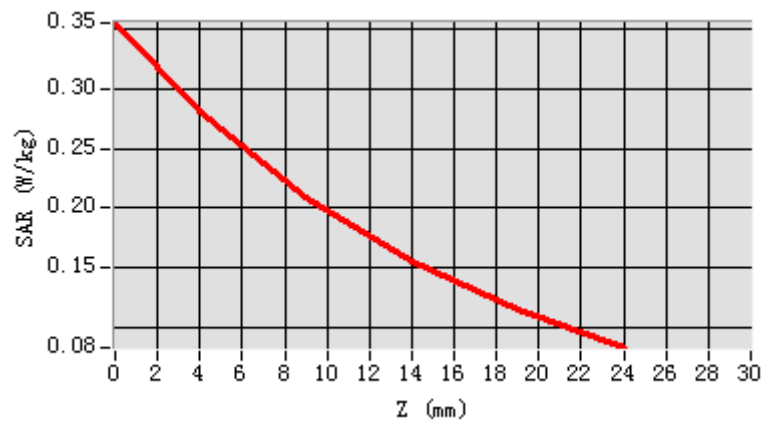


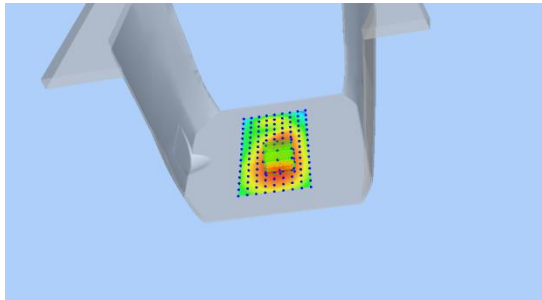
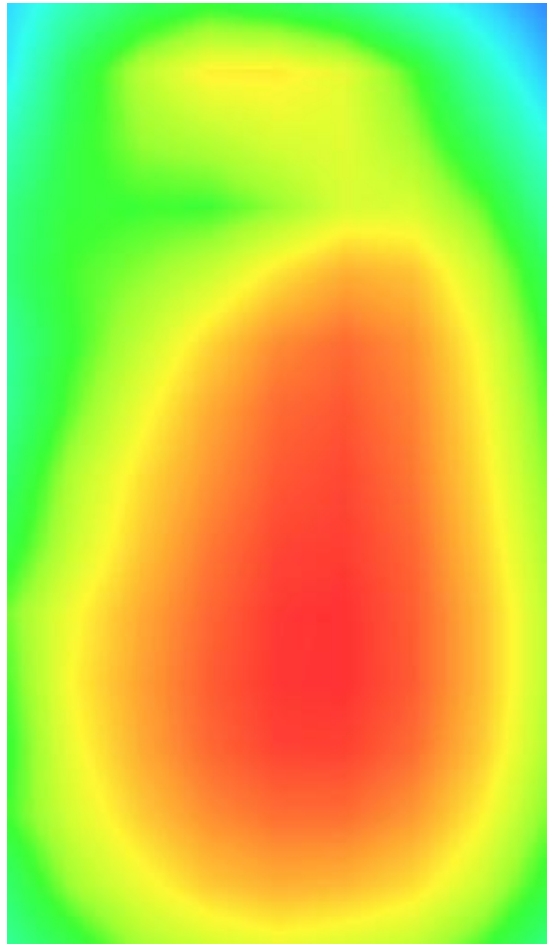
Maximum location: X=7.00, Y=-28.00

SAR Peak: 0.36W/kg

SAR 10g (W/Kg)	0.198092
SAR 1g (W/Kg)	0.276303

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3544	0.2816	0.2100	0.1562	0.1159



3D screen shot	Hot spot position
	

Plot 15: LTE Band7, 20MHz,Left Cheek, Middle

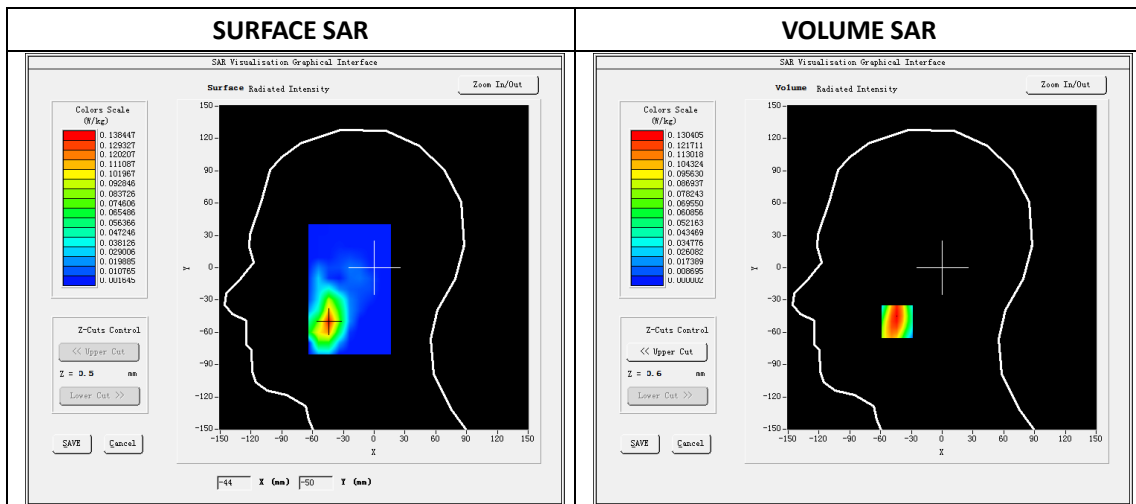
Type: Phone measurement
 Date of measurement: 10/14/2019
 Measurement duration: 22 minutes 29 seconds
 Mobile Phone IMEI number: --

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_27/15_EPG0261
Frequency (MHz)	2560
Relative permittivity (real part)	39.47
Relative permittivity (imaginary part)	13.64
Conductivity (S/m)	1.97
Variation (%)	-1.45
ConvF:	2.35

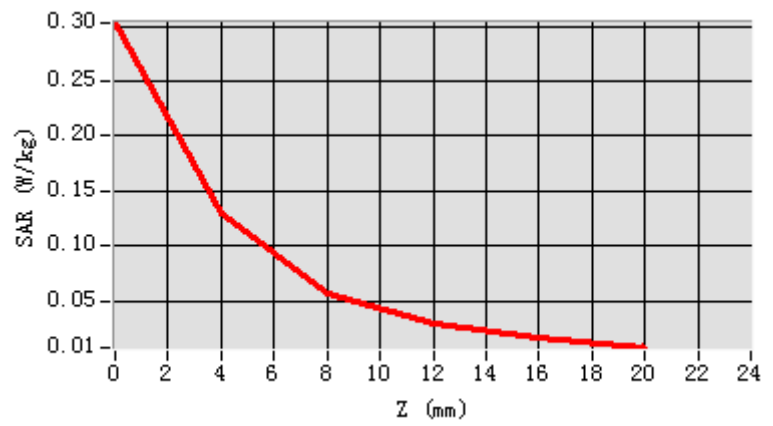


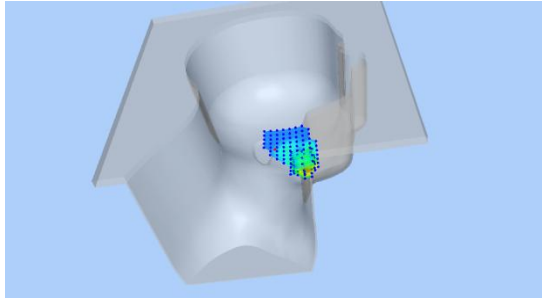
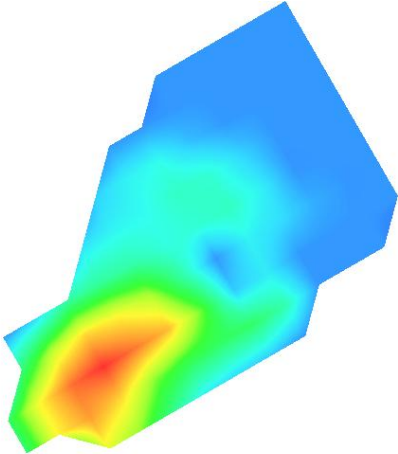
Maximum location: X=-44.00 Y=-50.00

SAR Peak: 0.28W/kg

SAR 10g (W/Kg)	0.060879
SAR 1g (W/Kg)	0.128155

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.3033	0.1304	0.0562	0.0289	0.0165



3D screen shot	Hot spot position
	

Plot 16: LTE Band7, 20MHz, Back, Middle,10mm

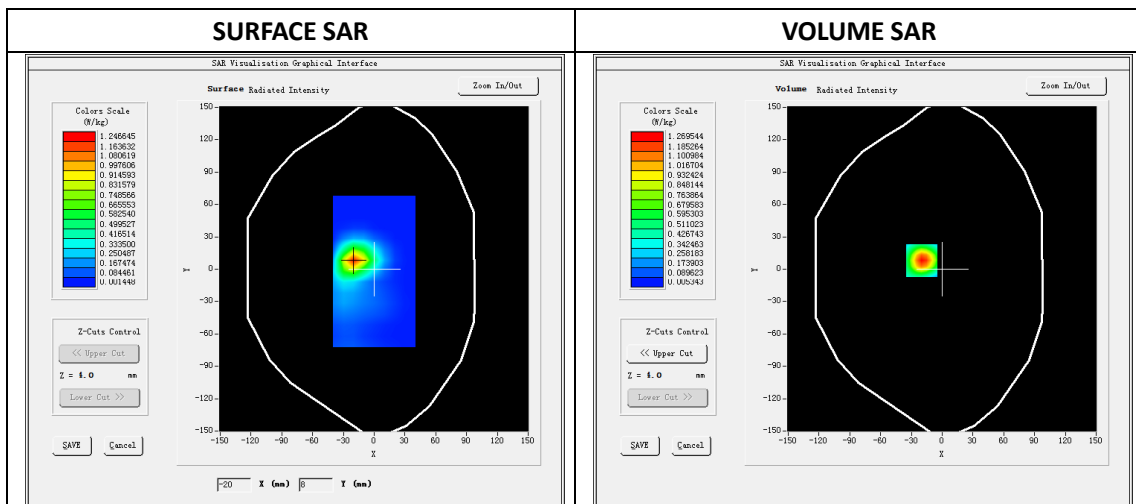
Type: Phone measurement
 Date of measurement: 10/14/2019
 Measurement duration: 22 minutes 32 seconds
 Mobile Phone IMEI number: --

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_27/15_EPG0261
Frequency (MHz)	2560
Relative permittivity (real part)	52.92
Relative permittivity (imaginary part)	15.02
Conductivity (S/m)	2.17
Variation (%)	4.10
ConvF:	2.43

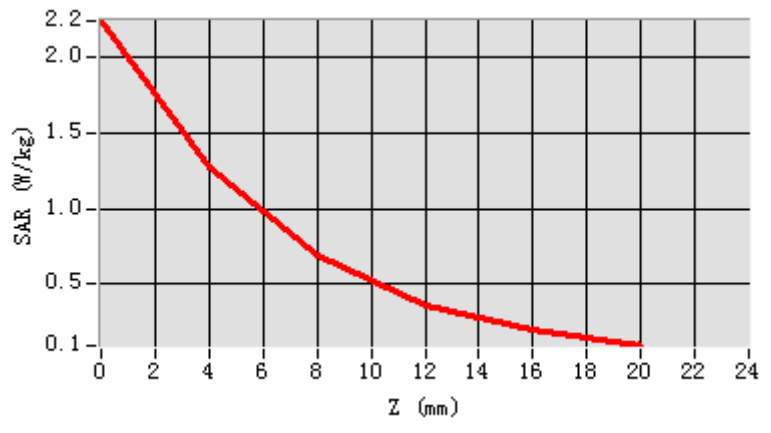


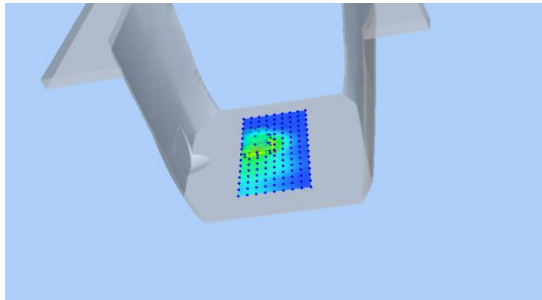
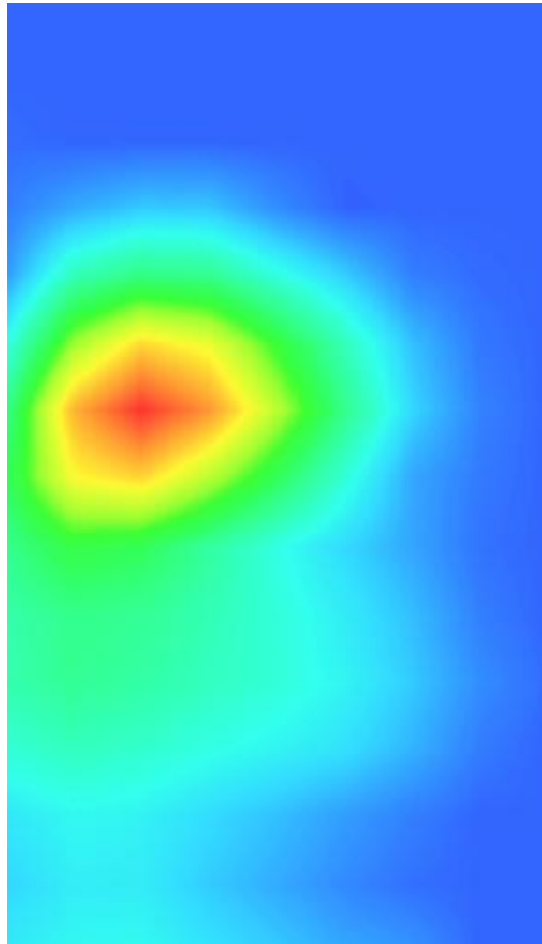
Maximum location: X=-20.00 Y=8.00

SAR Peak: 2.25 W/kg

SAR 10g (W/Kg)	0.519327
SAR 1g (W/Kg)	1.147761

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	2.2385	1.2695	0.6895	0.3668	0.1958



3D screen shot	Hot spot position
	

Plot 17: LTE Band12, 10MHz,Right Cheek, Middle

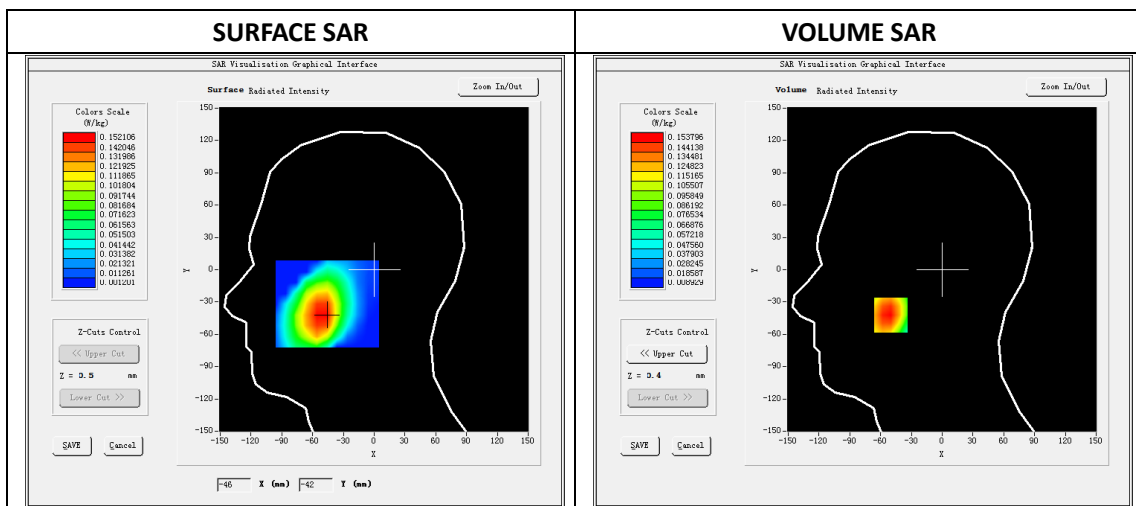
Type: Phone measurement
 Date of measurement: 10/08/2019
 Measurement duration: 22 minutes 31 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

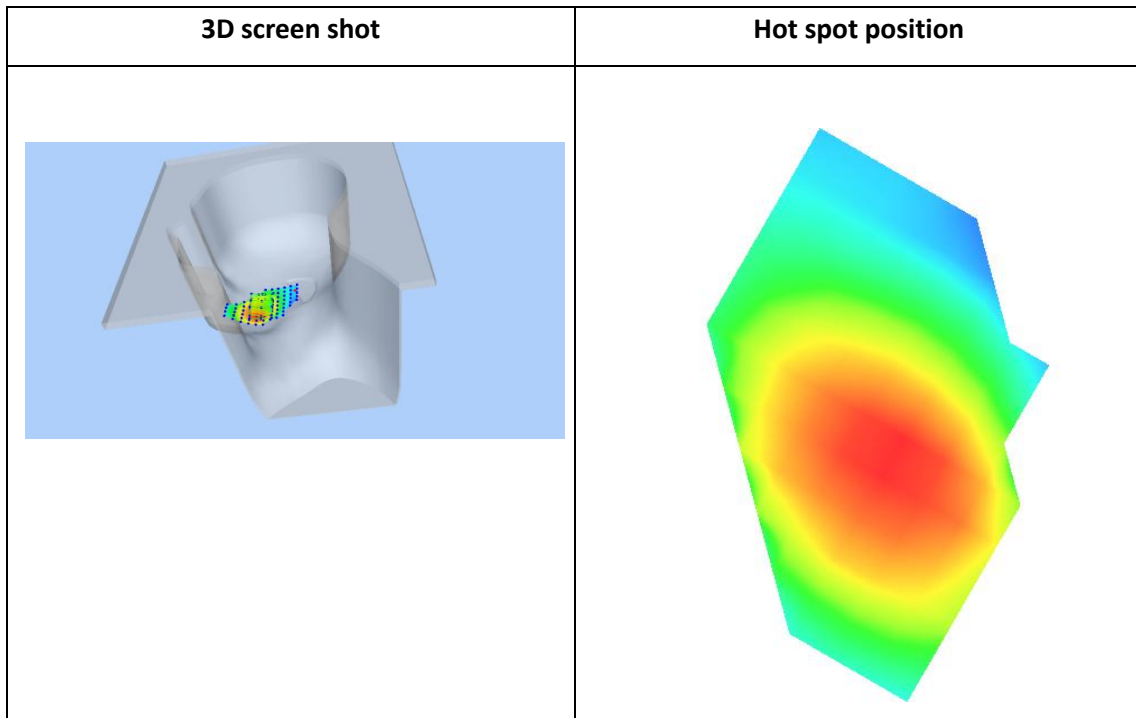
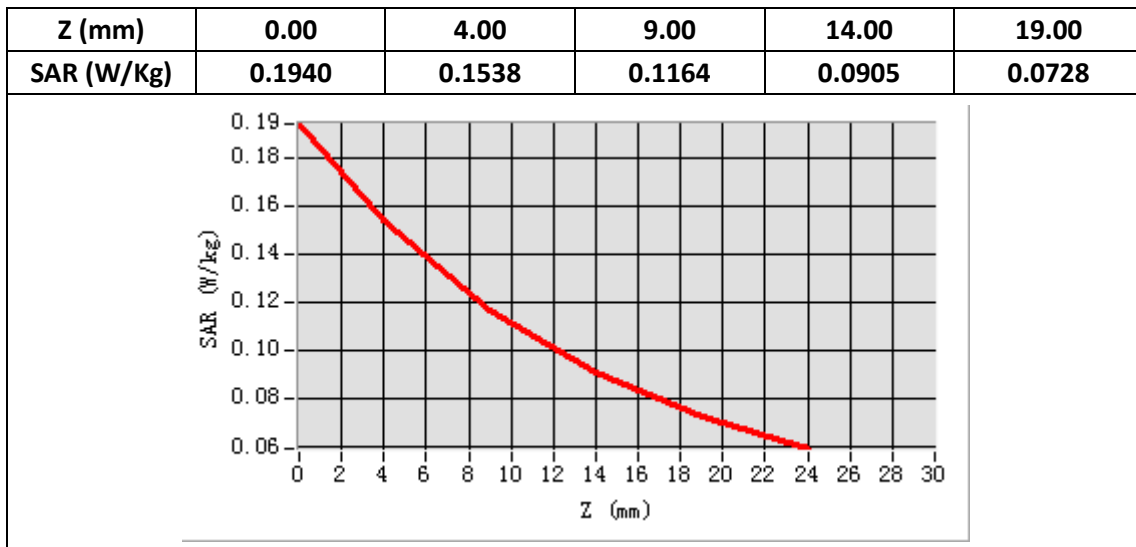
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	707.5
Relative permittivity (real part)	41.86
Relative permittivity (imaginary part)	21.84
Conductivity (S/m)	0.91
Variation (%)	-2.93
ConvF:	1.87



Maximum location: X=-50.00, Y=-42.00

SAR Peak: 0.19 W/kg

SAR 10g (W/Kg)	0.110501
SAR 1g (W/Kg)	0.152379



Plot 18: LTE Band12, 10MHz, Back, Middle,10mm

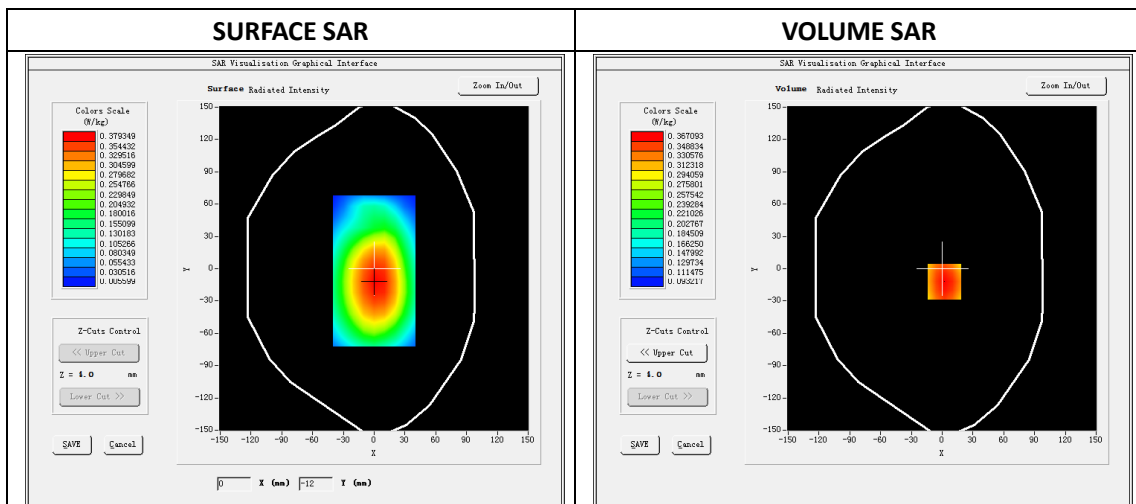
Type: Phone measurement
 Date of measurement: 10/08/2019
 Measurement duration: 22 minutes 33 seconds
 Mobile Phone IMEI number: --

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 12
Channels	23095
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	707.5
Relative permittivity (real part)	55.75
Relative permittivity (imaginary part)	23.52
Conductivity (S/m)	0.98
Variation (%)	-4.70
ConvF:	1.93

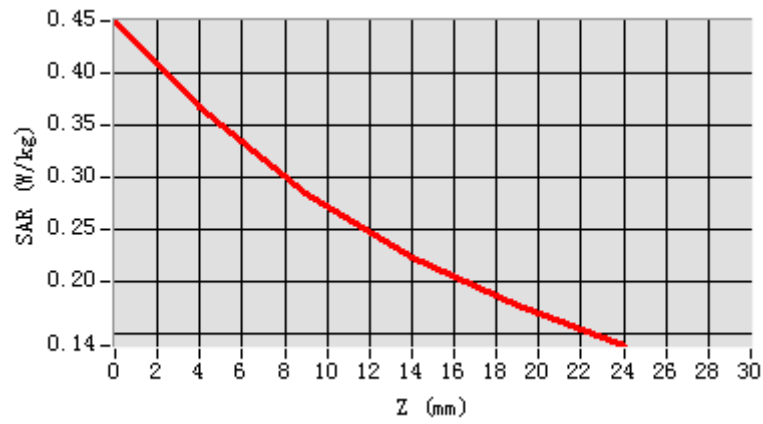


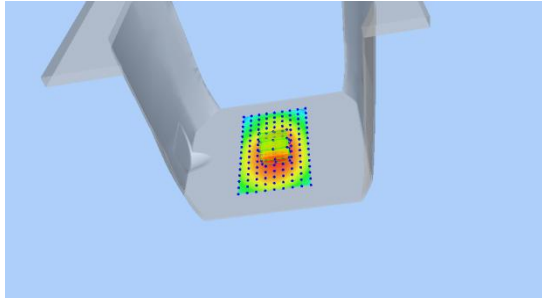
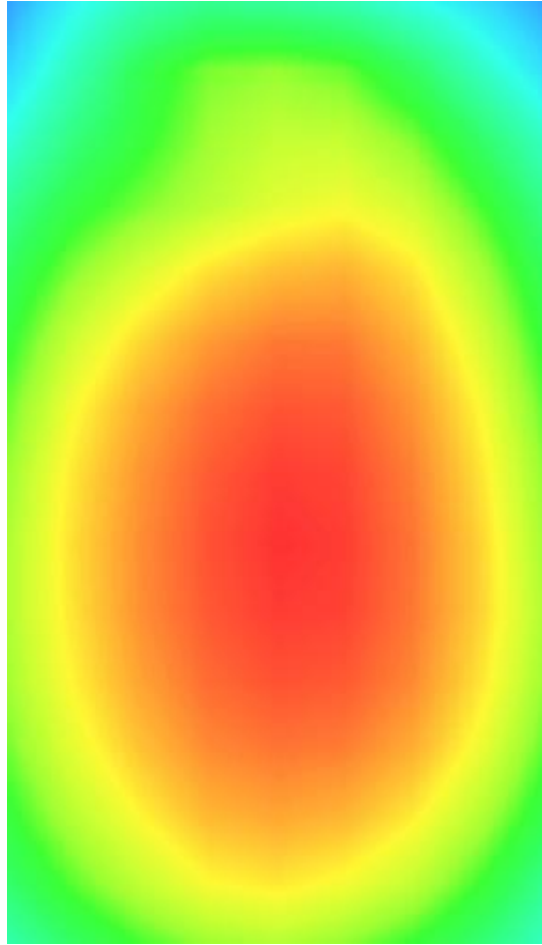
Maximum location: X=2.00, Y=-12.00

SAR Peak: 0.45W/kg

SAR 10g (W/Kg)	0.270977
SAR 1g (W/Kg)	0.362647

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4508	0.3671	0.2845	0.2224	0.1755



3D screen shot	Hot spot position
	

Plot 19: LTE Band17, 10MHz,Right Check, Middle

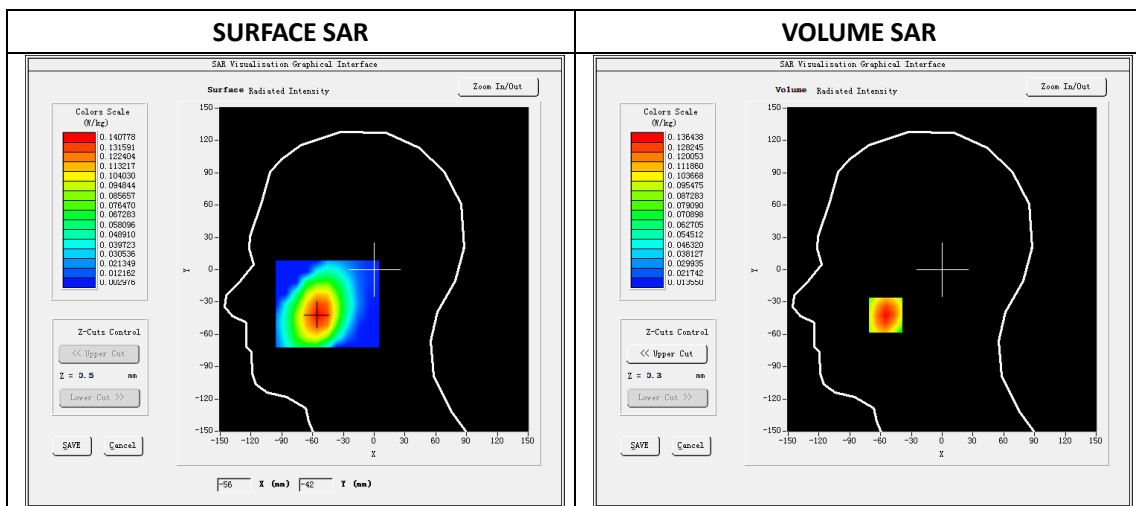
Type: Phone measurement
 Date of measurement: 10/08/2019
 Measurement duration: 22 minutes 38 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

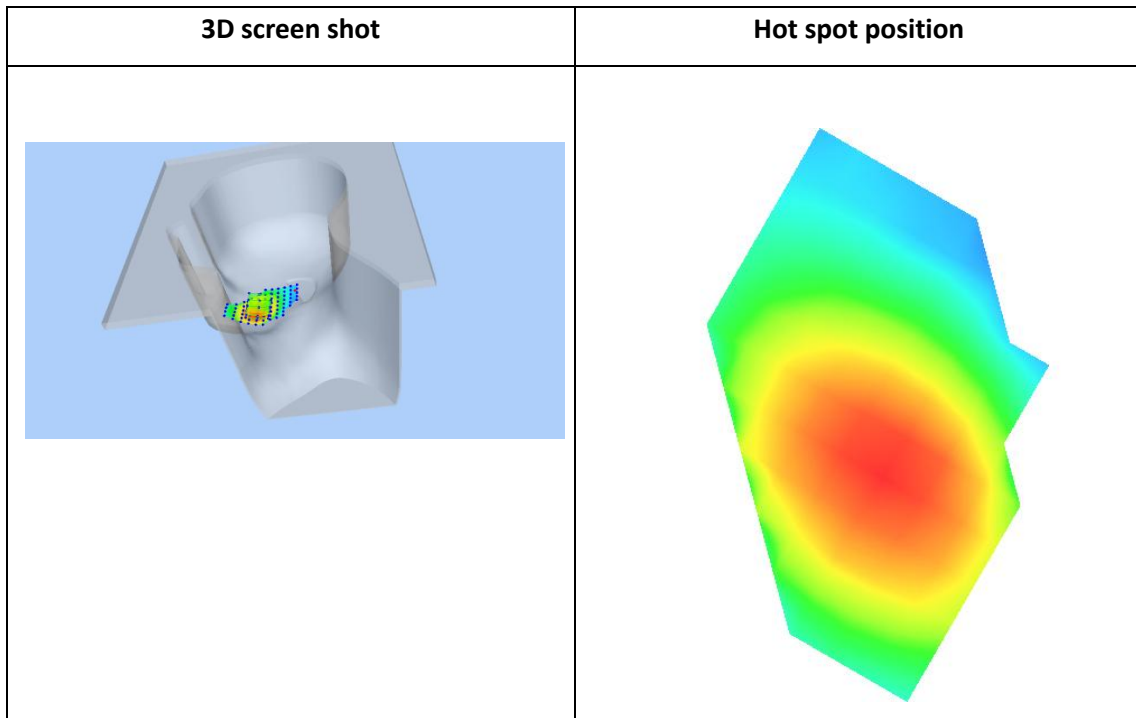
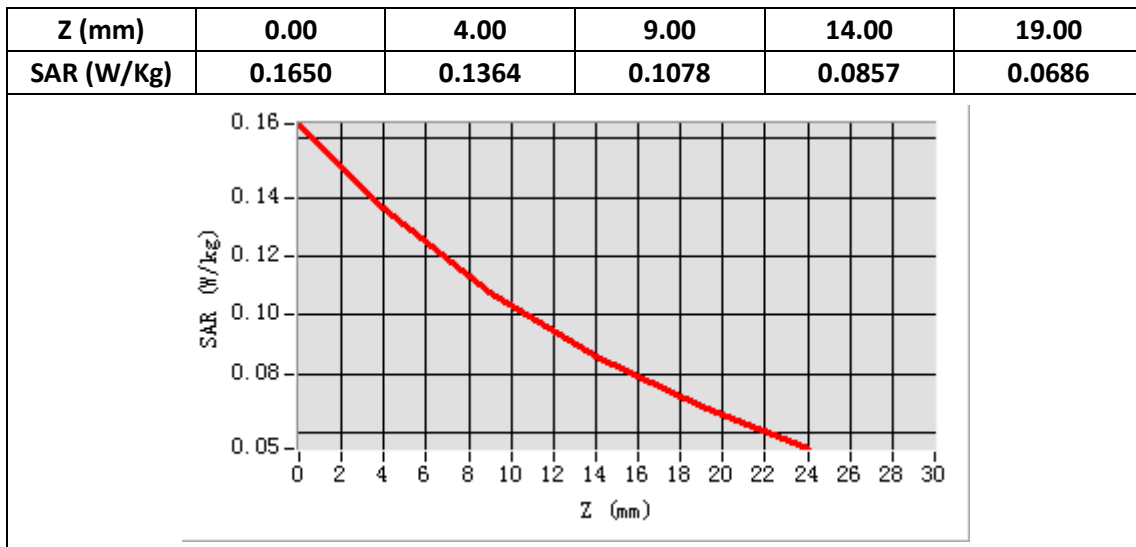
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	710
Relative permittivity (real part)	41.86
Relative permittivity (imaginary part)	21.84
Conductivity (S/m)	0.91
Variation (%)	-4.11
ConvF:	1.87



Maximum location: X=-55.00, Y=-42.00

SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.096697
SAR 1g (W/Kg)	0.131017



Plot 20: LTE Band17, 10MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 10/08/2019

Measurement duration: 22 minutes 39 seconds

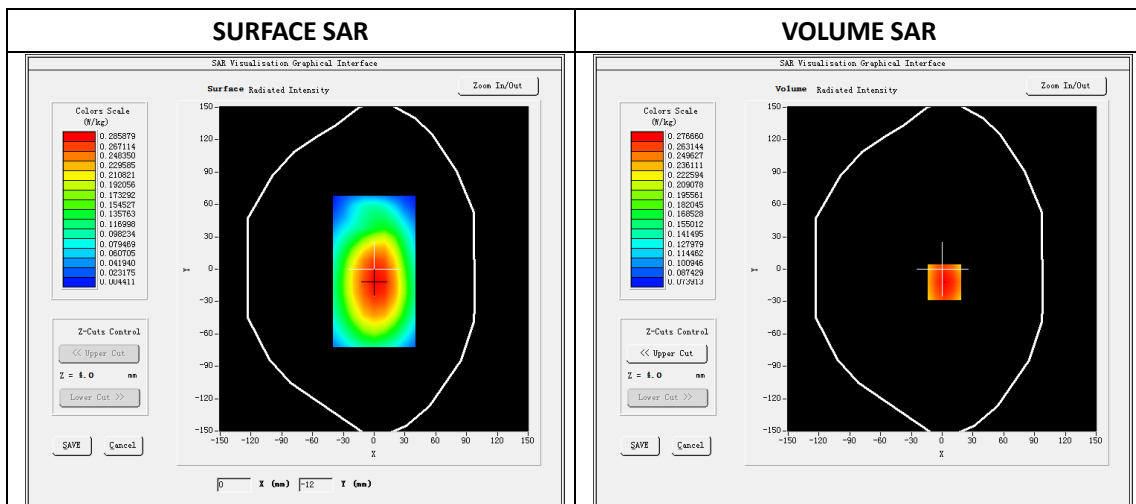
Mobile Phone IMEI number: --

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_27/15_EPG0261
Frequency (MHz)	710
Relative permittivity (real part)	55.75
Relative permittivity (imaginary part)	23.52
Conductivity (S/m)	0.98
Variation (%)	-4.00
ConvF:	1.93

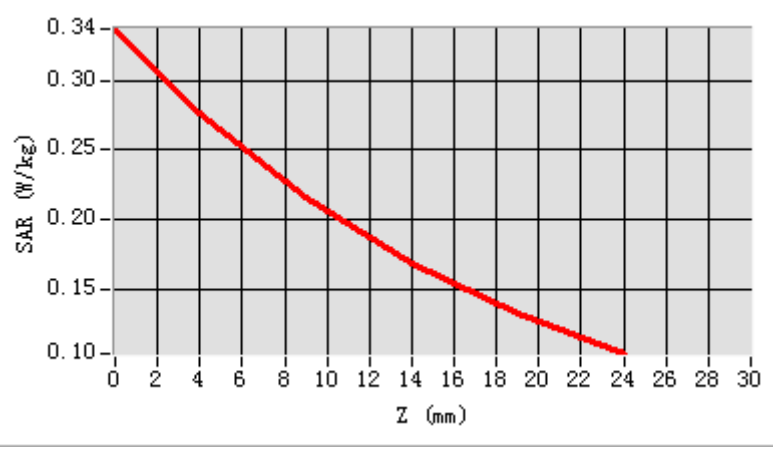


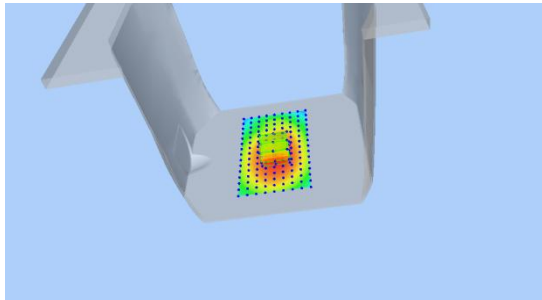
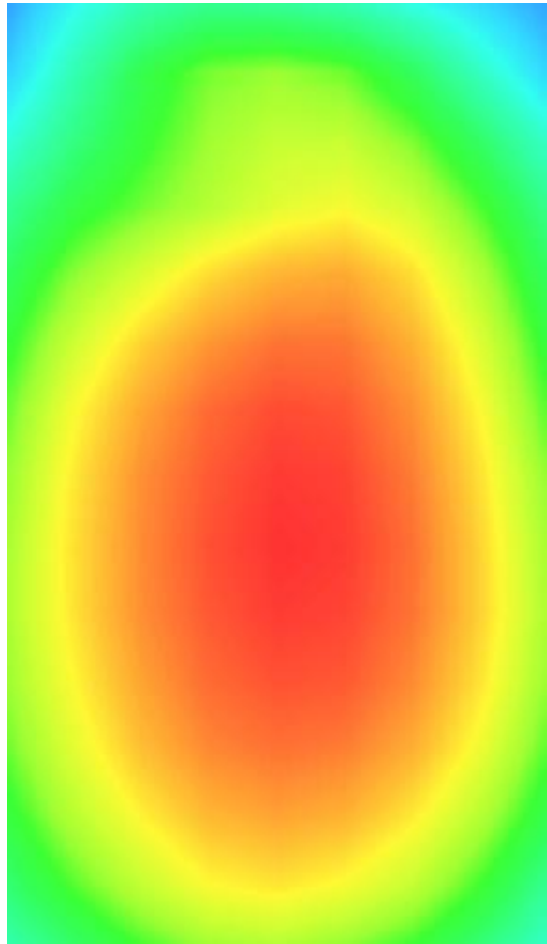
Maximum location: X=2.00, Y=-12.00

SAR Peak: 0.34W/kg

SAR 10g (W/Kg)	0.202030
SAR 1g (W/Kg)	0.267872

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3372	0.2767	0.2159	0.1692	0.1332



3D screen shot	Hot spot position
	

Plot 21: LTE Band41, 20MHz, Left Cheek, Middle

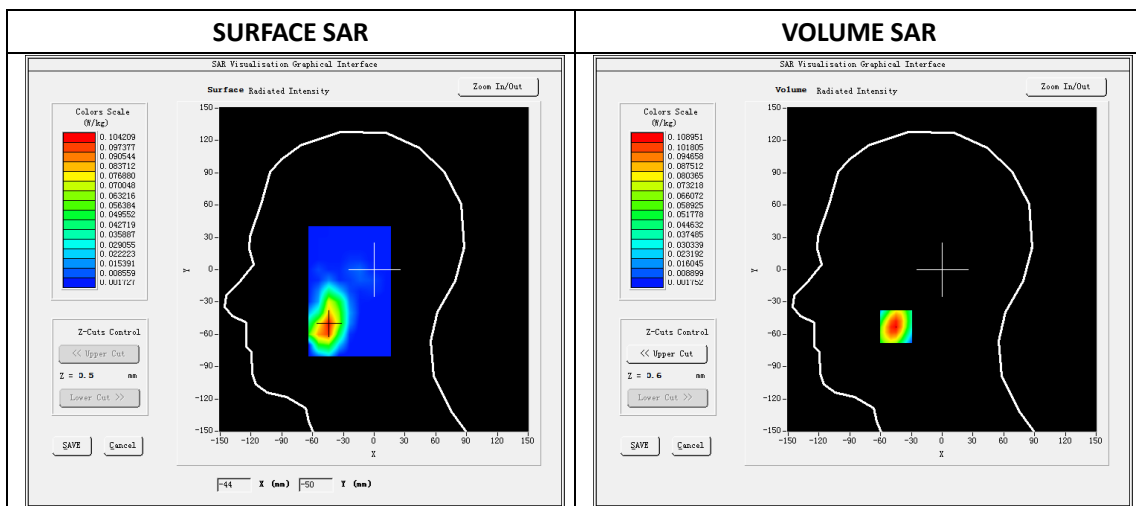
Type: Phone measurement
 Date of measurement: 10/14/2019
 Measurement duration: 22 minutes 37 seconds
 Mobile Phone IMEI number: --

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_27/15_EPG0261
Frequency (MHz)	2570
Relative permittivity (real part)	39.47
Relative permittivity (imaginary part)	13.64
Conductivity (S/m)	1.97
Variation (%)	-2.70
ConvF:	2.35

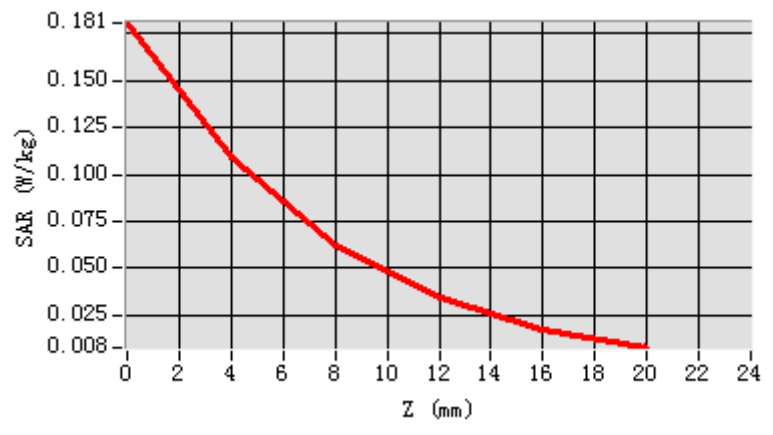


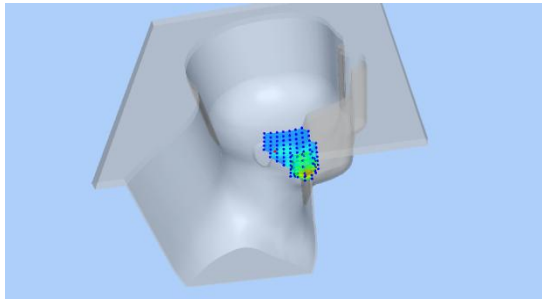
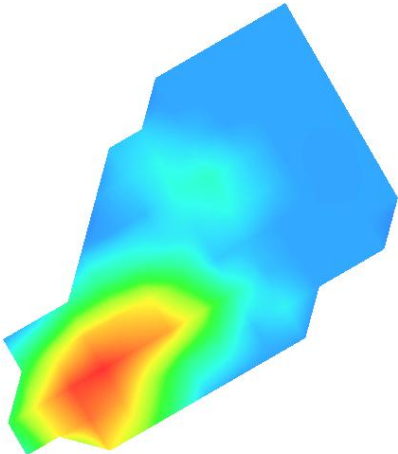
Maximum location: X=-45.00, Y=-53.00

SAR Peak: 0.18W/kg

SAR 10g (W/Kg)	0.049238
SAR 1g (W/Kg)	0.101672

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.1808	0.1090	0.0627	0.0345	0.0179



3D screen shot	Hot spot position
	

Plot 22: LTE Band41, 20MHz, Back, Middle,10mm

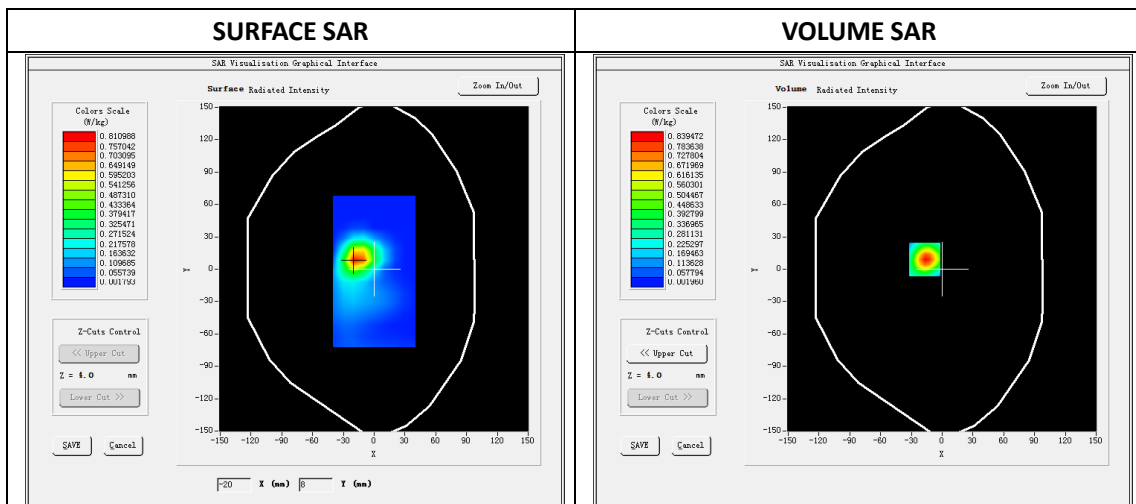
Type: Phone measurement
 Date of measurement: 10/14/2019
 Measurement duration: 22 minutes 40 seconds
 Mobile Phone IMEI number: --

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_27/15_EPG0261
Frequency (MHz)	2570
Relative permittivity (real part)	52.92
Relative permittivity (imaginary part)	15.02
Conductivity (S/m)	2.17
Variation (%)	0.59
ConvF:	2.43

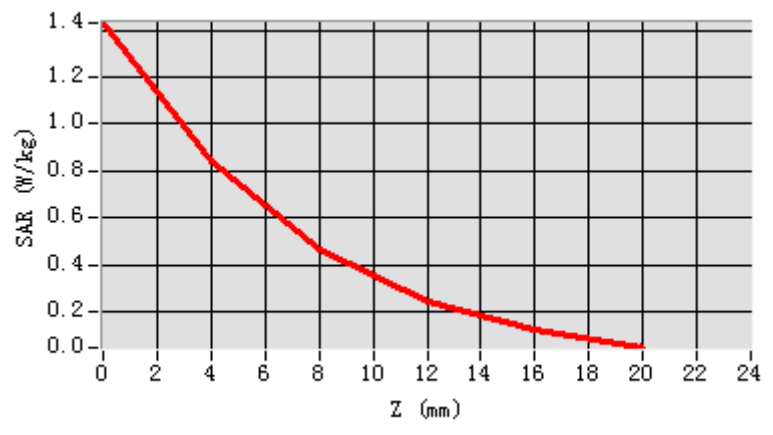


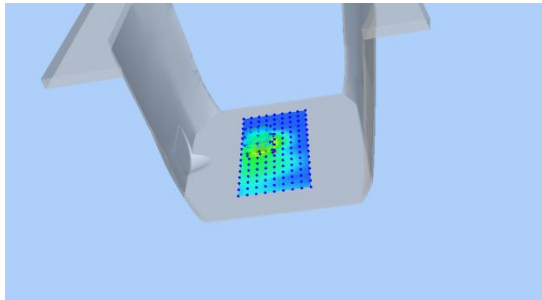
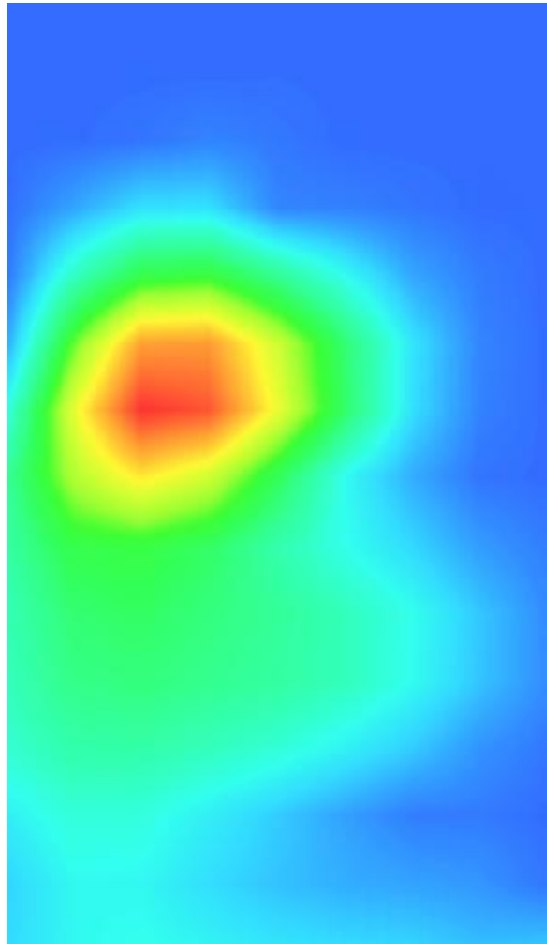
Maximum location: X=-17.00, Y=9.00

SAR Peak: 1.44W/kg

SAR 10g (W/Kg)	0.339029
SAR 1g (W/Kg)	0.758978

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	1.4312	0.8395	0.4663	0.2443	0.1185



3D screen shot	Hot spot position
	

Plot 23: Wi-Fi 802.11b Left Cheek, Middle

Type: Phone measurement

Date of measurement: 10/12/2019

Measurement duration: 22 minutes 41 seconds

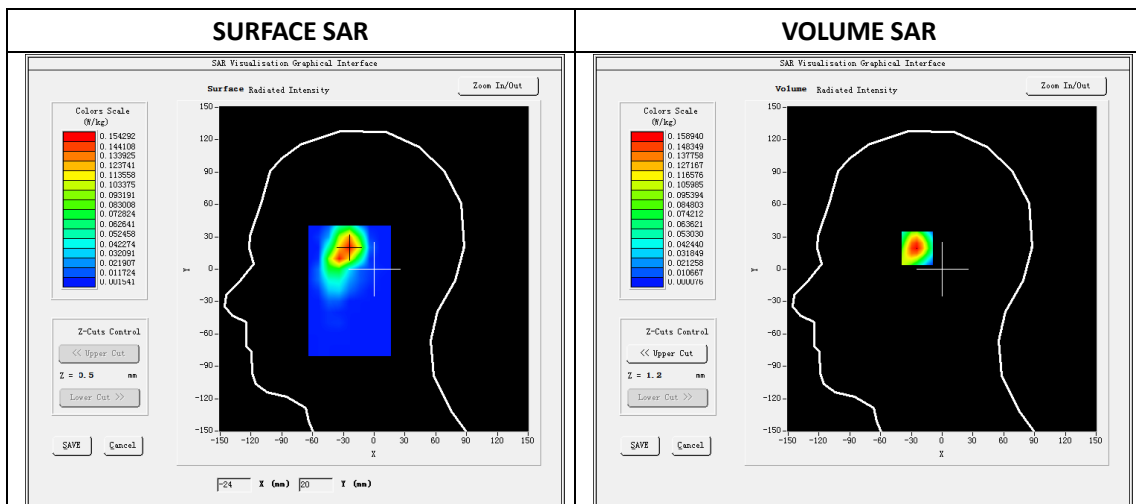
Mobile Phone IMEI number: --

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

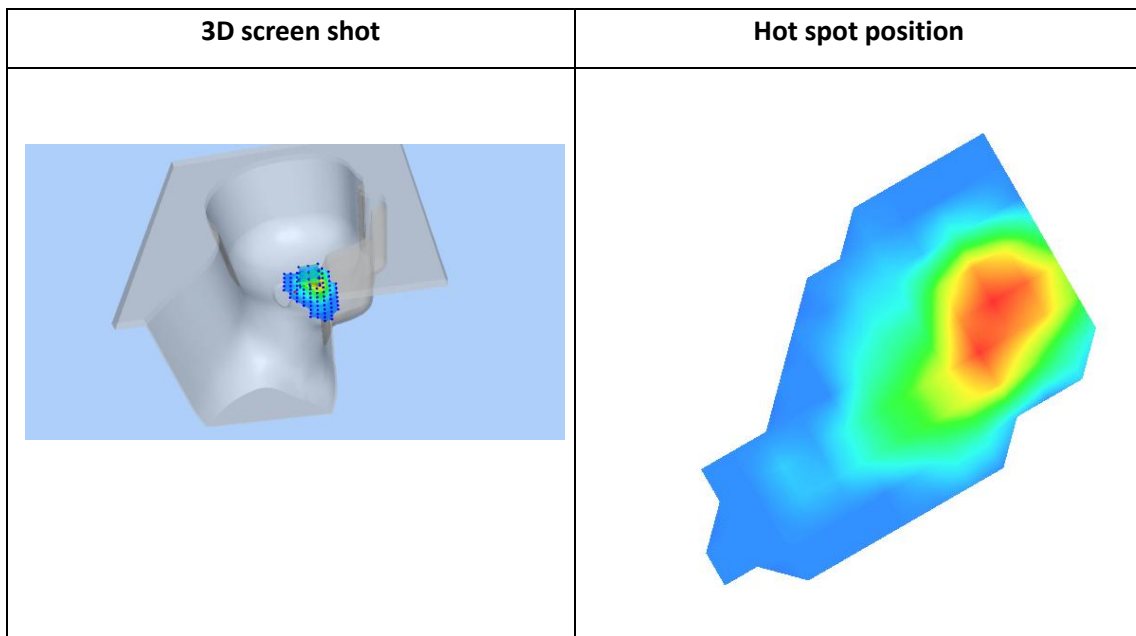
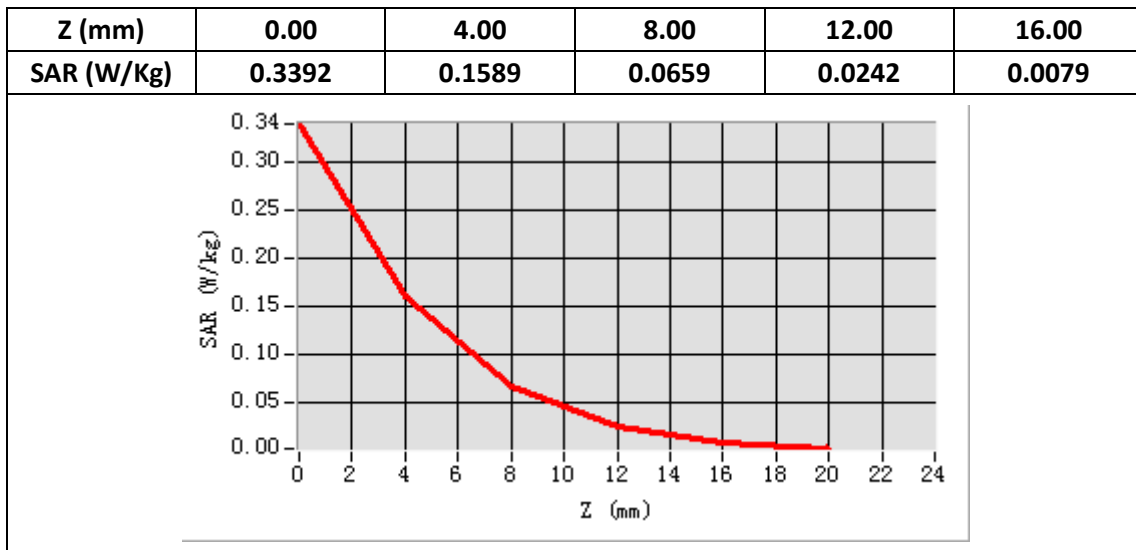
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2437
Relative permittivity (real part)	39.69
Relative permittivity (imaginary part)	13.37
Conductivity (S/m)	1.82
Variation (%)	-3.17
ConvF:	2.37



Maximum location: X=-24.00 Y=21.00

SAR Peak: 0.34 W/kg

SAR 10g (W/Kg)	0.062734
SAR 1g (W/Kg)	0.149440



Plot 24: Wi-Fi 802.11b, Back ,Middle, 10mm

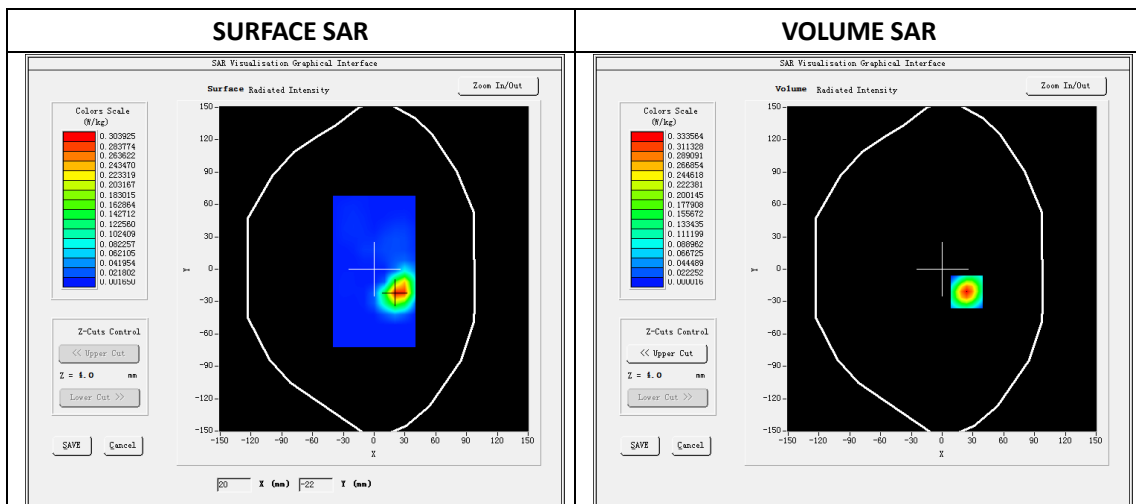
Type: Phone measurement
 Date of measurement: 10/12/2019
 Measurement duration: 22 minutes 23 seconds
 Mobile Phone IMEI number: --

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

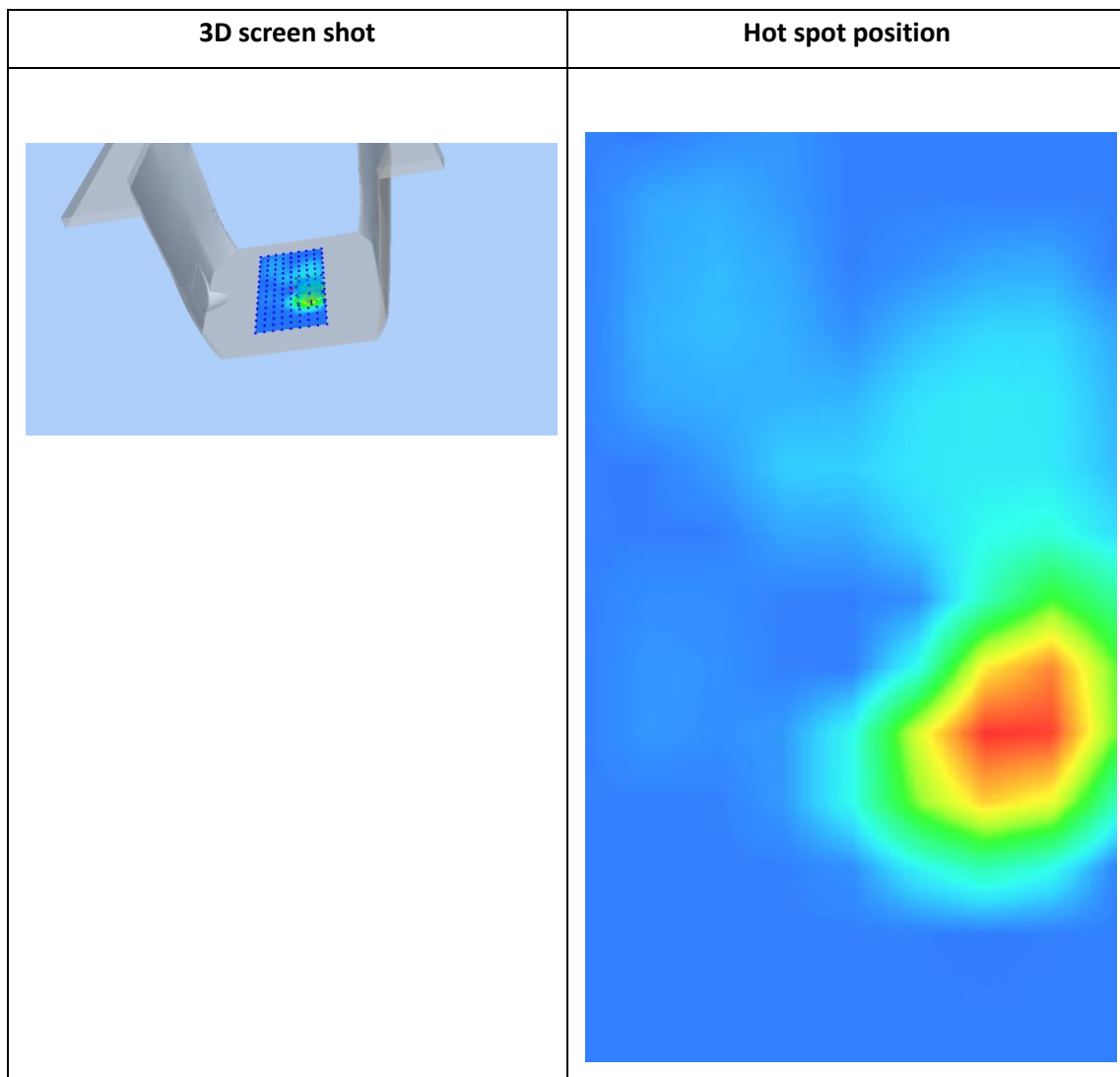
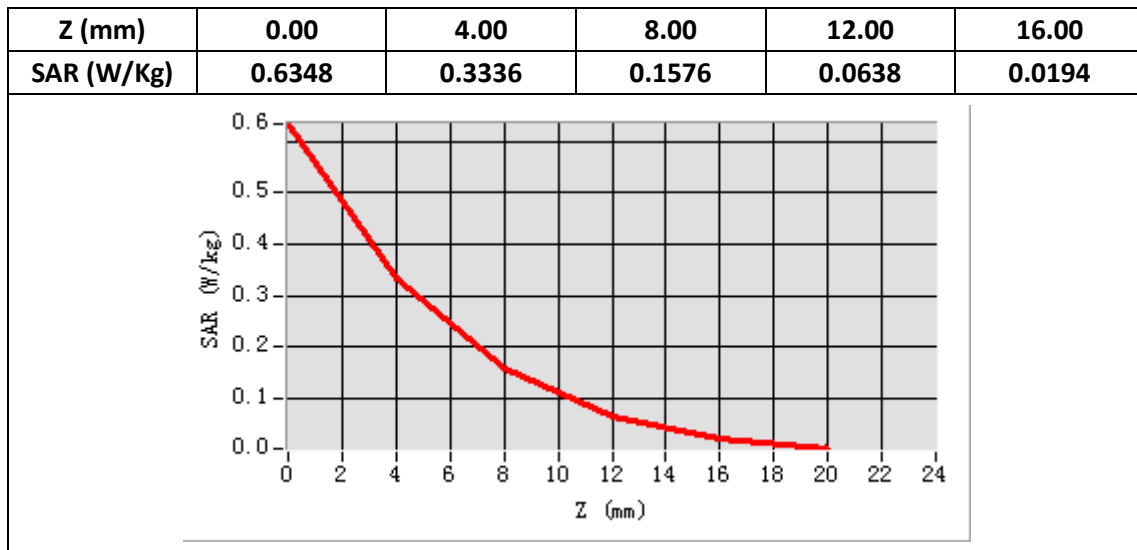
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2437
Relative permittivity (real part)	52.92
Relative permittivity (imaginary part)	15.02
Conductivity (S/m)	2.17
Variation (%)	0.35
ConvF:	2.46



Maximum location: X=24.00 Y=-21.00

SAR Peak: 0.63W/kg

SAR 10g (W/Kg)	0.117203
SAR 1g (W/Kg)	0.298584



Plot 25: WIFI 5G 802.11a(20MHZ), Left Cheek,Middle

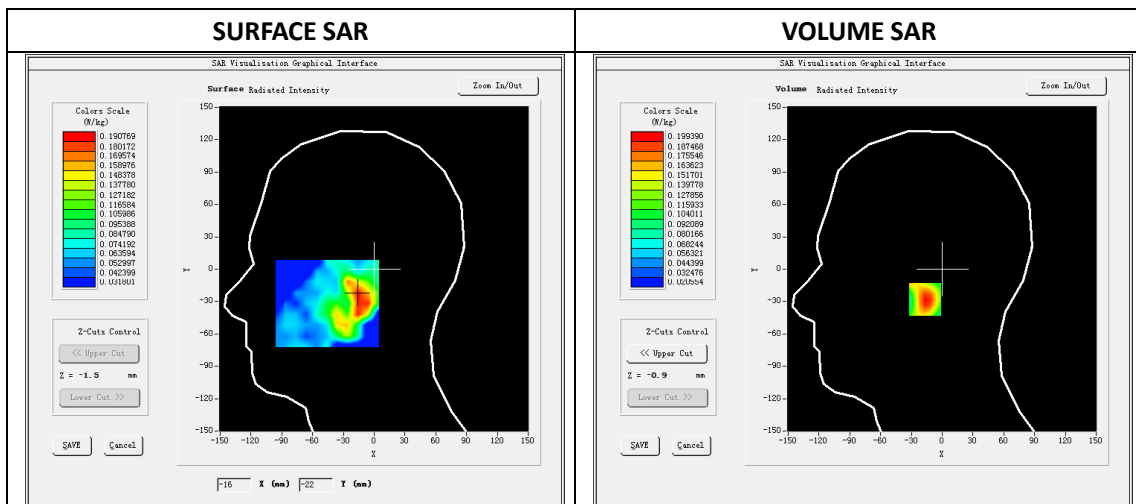
Type: Phone measurement
 Date of measurement: 07/11/2019
 Measurement duration: 22 minutes 30 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=4mm,dy=4mm
ZoomScan	7x7x12,dx=4m, dy=4mm, dz=2mm
Phantom	Validation plane
Device Position	Left Cheek
Band	WIFI 5G
Channels	48
Signal	OFDM (Duty cycle: 1:1)

B. SAR Measurement Results

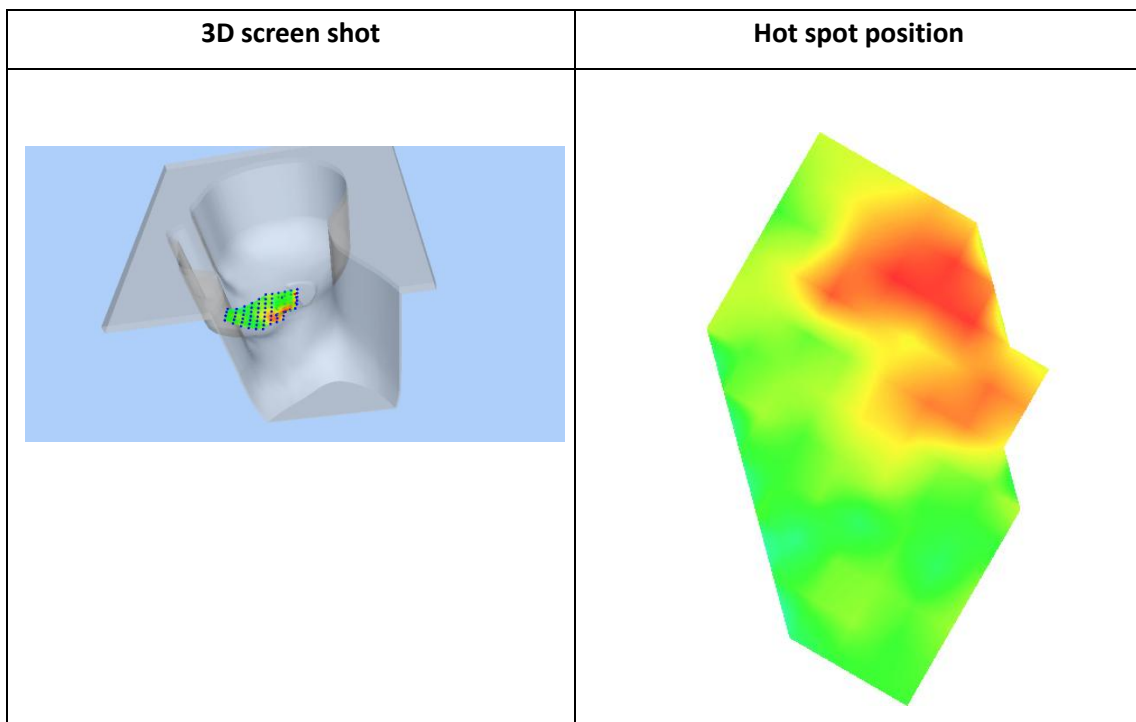
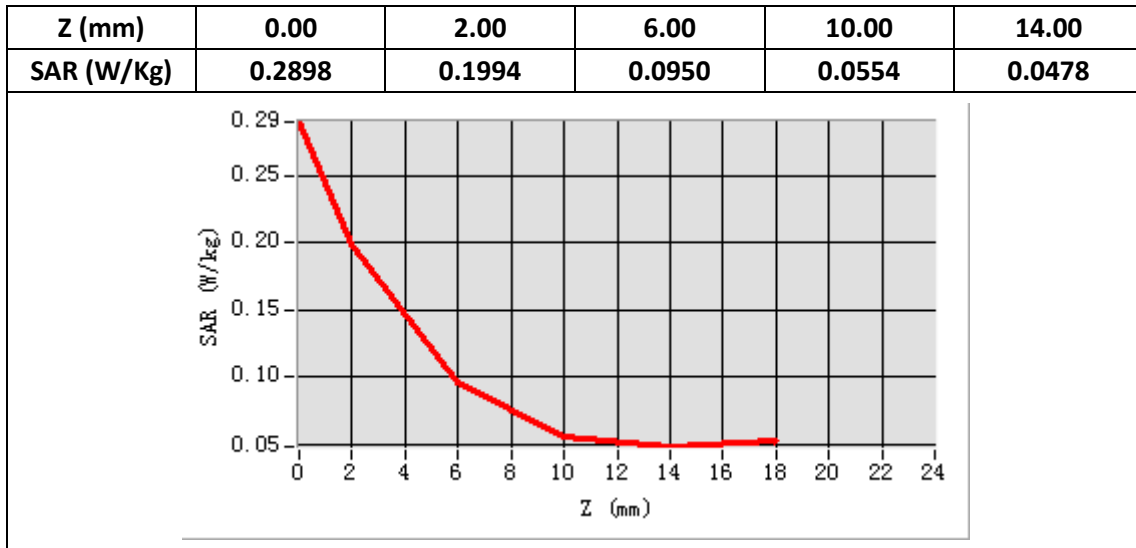
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5240
Relative permittivity (real part)	36.53
Relative permittivity (imaginary part)	16.96
Conductivity (S/m)	4.90
Variation (%)	-2.85
ConvF:	2.15



Maximum location: X=-13.00 Y=-28.00

SAR Peak: 0.42 W/kg

SAR 10g (W/Kg)	0.104089
SAR 1g (W/Kg)	0.192315



Plot 26: WIFI 5G 802.11a(20MHz), Back , Middle,10mm

Type: Phone measurement

Date of measurement: 07/11/2019

Measurement duration: 22 minutes 45 seconds

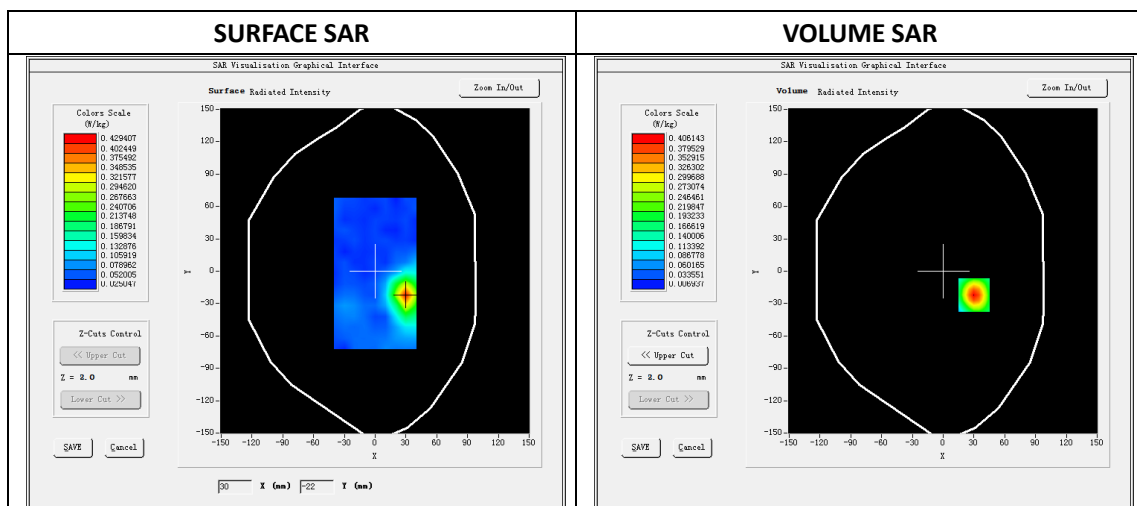
Mobile Phone IMEI number: --

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	48
Signal	OFDM (Duty cycle: 1:1)

B. SAR Measurement Results

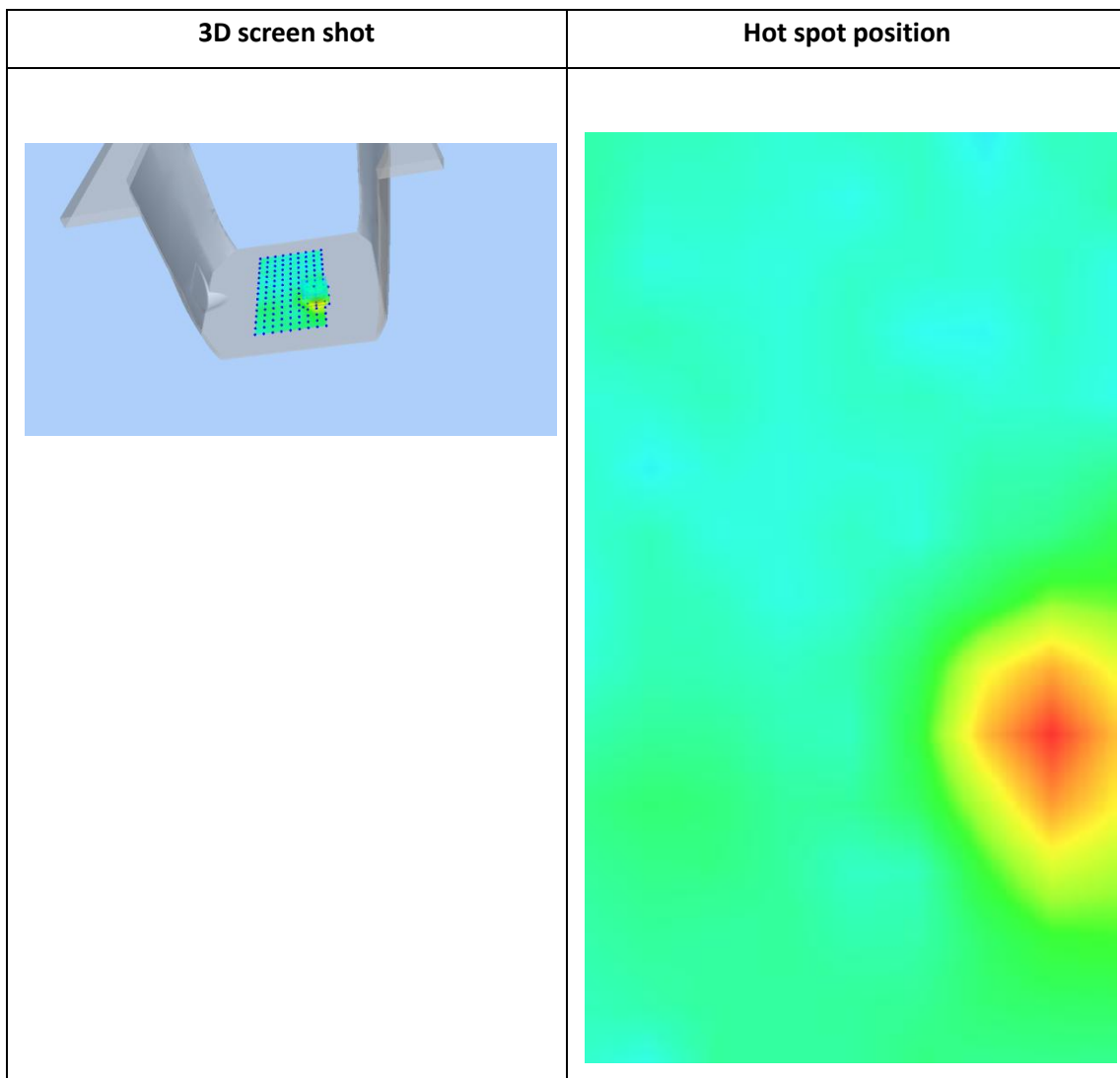
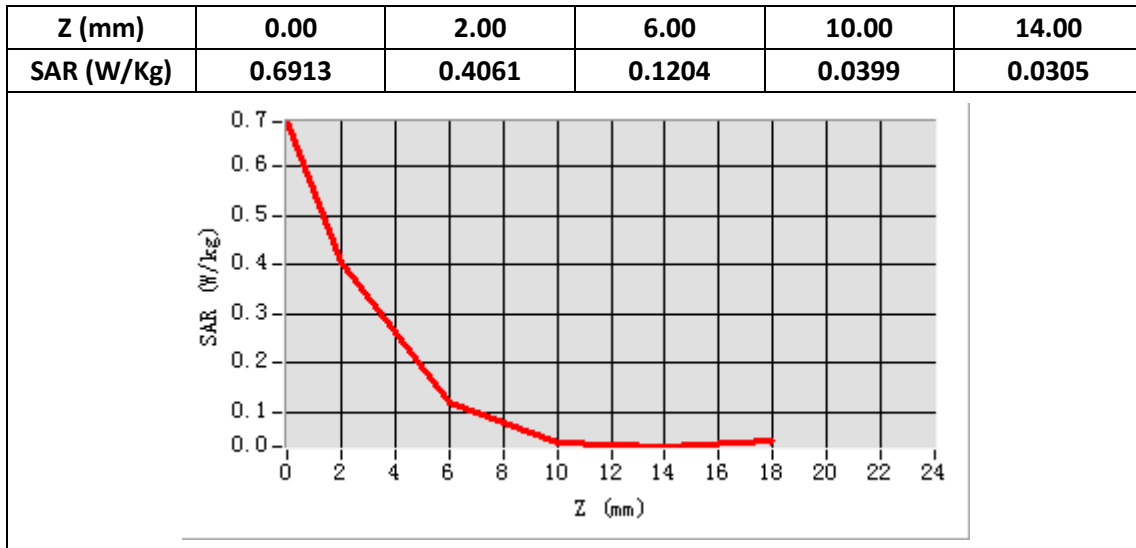
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5240
Relative permittivity (real part)	50.68
Relative permittivity (imaginary part)	18.21
Conductivity (S/m)	5.26
Variation (%)	-4.69
ConvF:	2.21



Maximum location: X=30.00 Y=-22.00

SAR Peak: 0.71 W/kg

SAR 10g (W/Kg)	0.118964
SAR 1g (W/Kg)	0.260666



Plot 27: CDMA BC0, Left Cheek, Middle

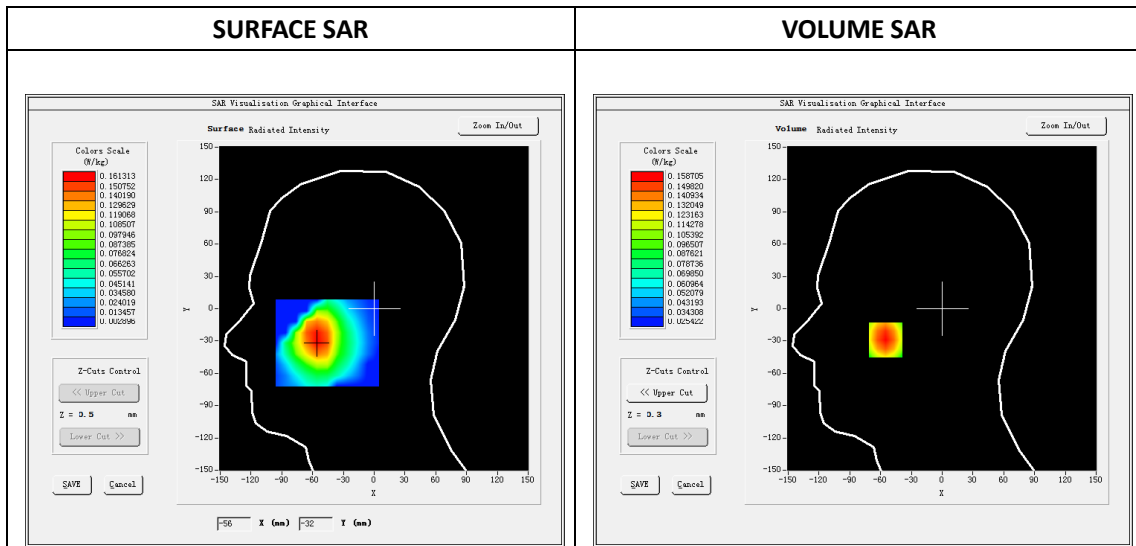
Type: Phone measurement
 Date of measurement: 10/09/2019
 Measurement duration: 22 minutes 44 seconds
 Mobile Phone IMEI number: --

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	CDMA BC0
Channels	384
Signal	CDMA(Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.5
Relative permittivity (real part)	41.67
Relative permittivity (imaginary part)	20.05
Conductivity (S/m)	0.93
Variation (%)	-3.50
ConvF:	1.92

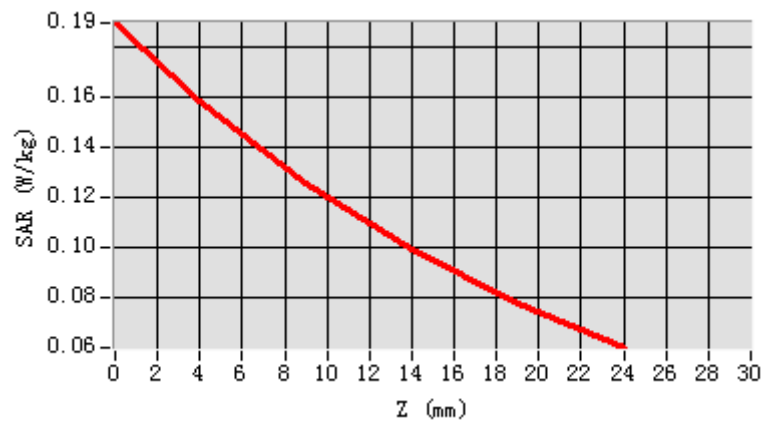


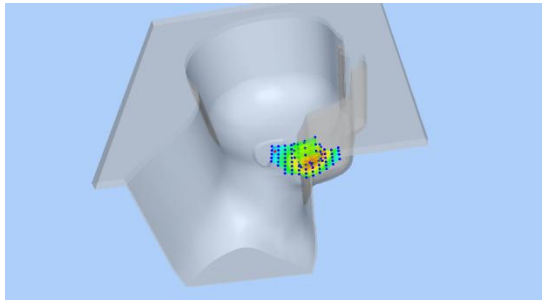
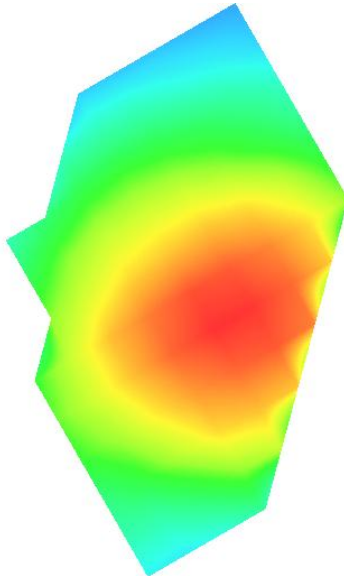
Maximum location: X=-55.00, Y=-29.00

SAR Peak: 0.19W/kg

SAR 10g (W/Kg)	0.111229
SAR 1g (W/Kg)	0.152354

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1899	0.1587	0.1261	0.0997	0.0783



3D screen shot	Hot spot position
	

Plot 28: CDMA BC0, Back, Middle,10mm

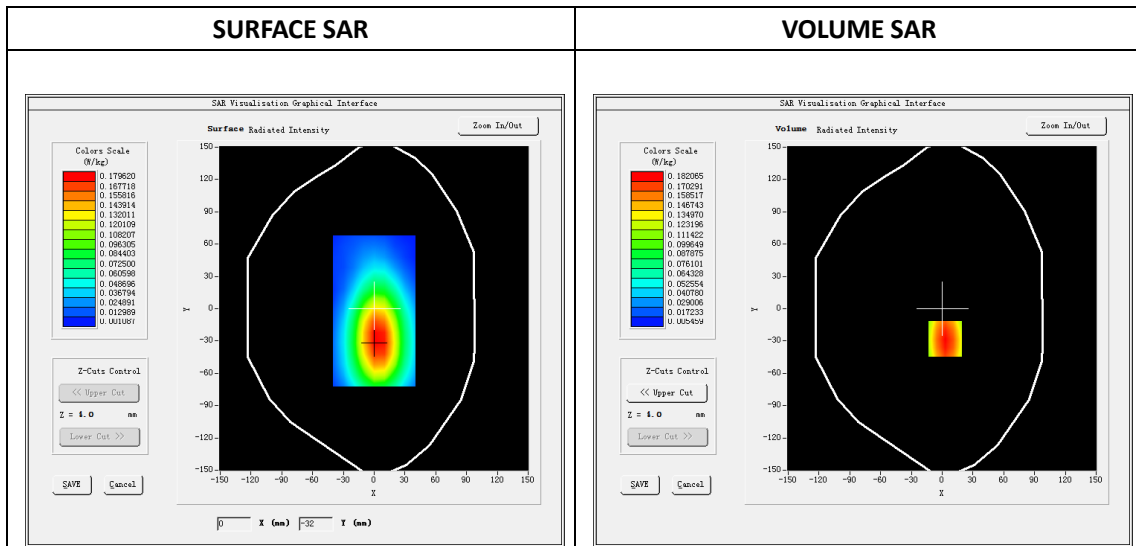
Type: Phone measurement
 Date of measurement: 10/09/2019
 Measurement duration: 22 minutes 47 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	CDMA BC0
Channels	384
Signal	QPSK(Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.5
Relative permittivity (real part)	55.52
Relative permittivity (imaginary part)	21.34
Conductivity (S/m)	0.99
Variation (%)	-1.72
ConvF:	1.99

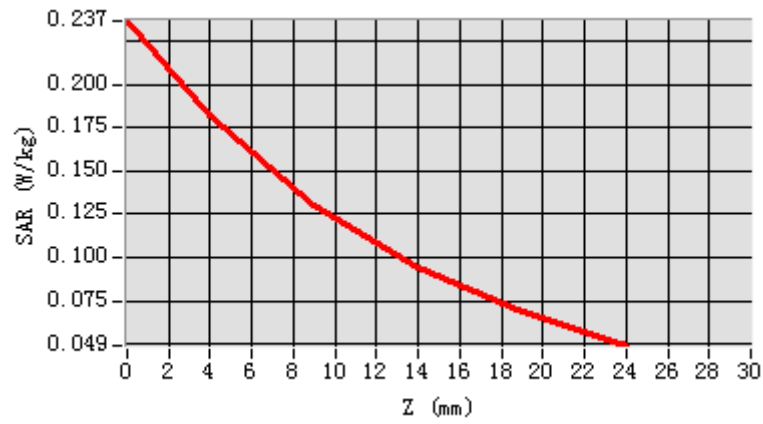


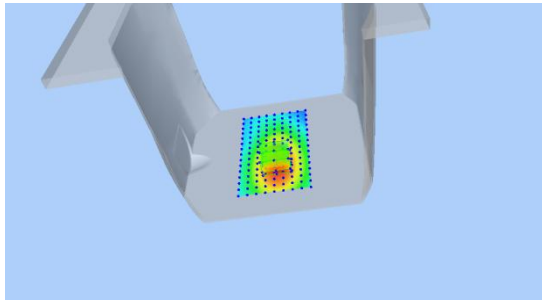
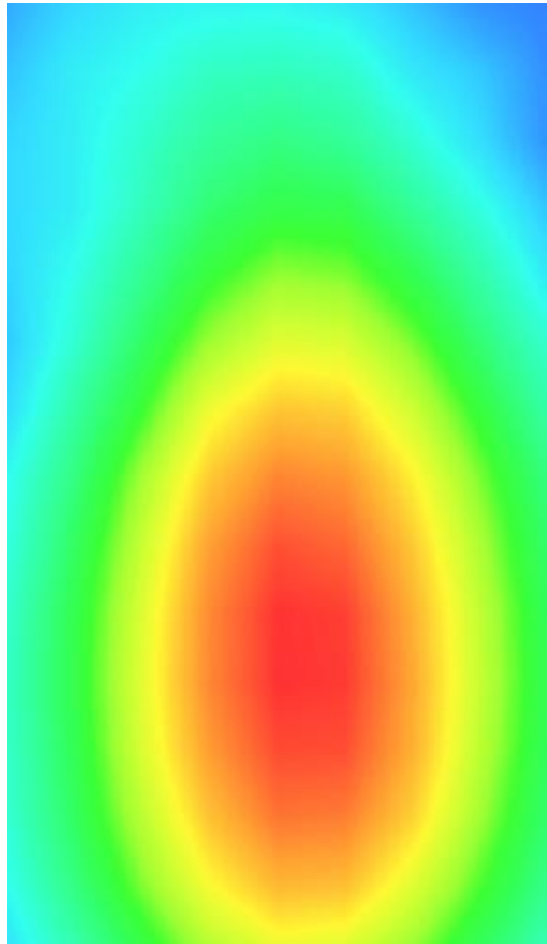
Maximum location: X=3.00, Y=-28.00

SAR Peak: 0.24 W/kg

SAR 10g (W/Kg)	0.120510
SAR 1g (W/Kg)	0.177050

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2369	0.1821	0.1306	0.0942	0.0685



3D screen shot	Hot spot position
	

Plot 29: BT, Left Cheek, Middle

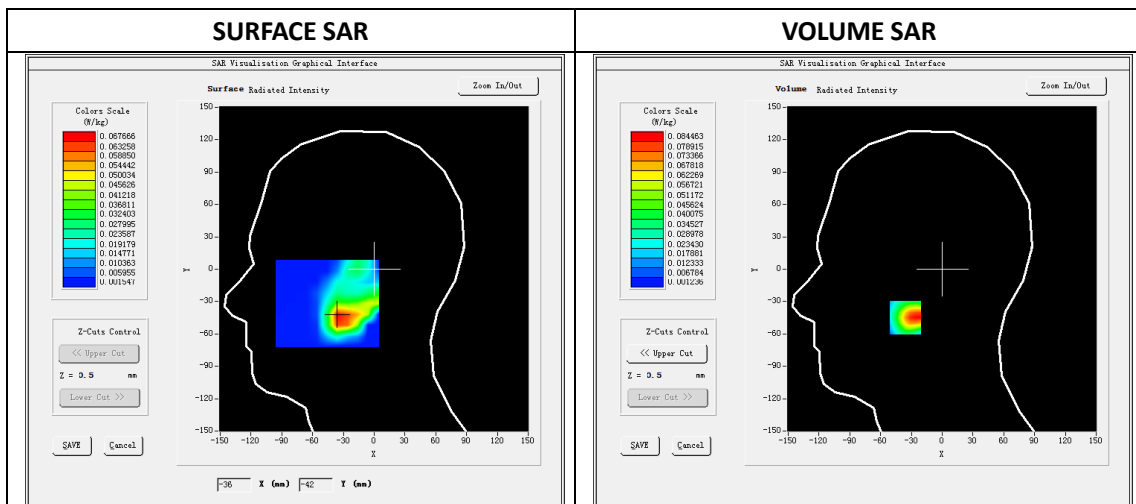
Type: Phone measurement
 Date of measurement: 10/12/2019
 Measurement duration: 22 minutes 48 seconds
 Mobile Phone IMEI number: --

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	BT
Channels	39
Signal	GFSK (Duty cycle: 1:1)

B. SAR Measurement Results

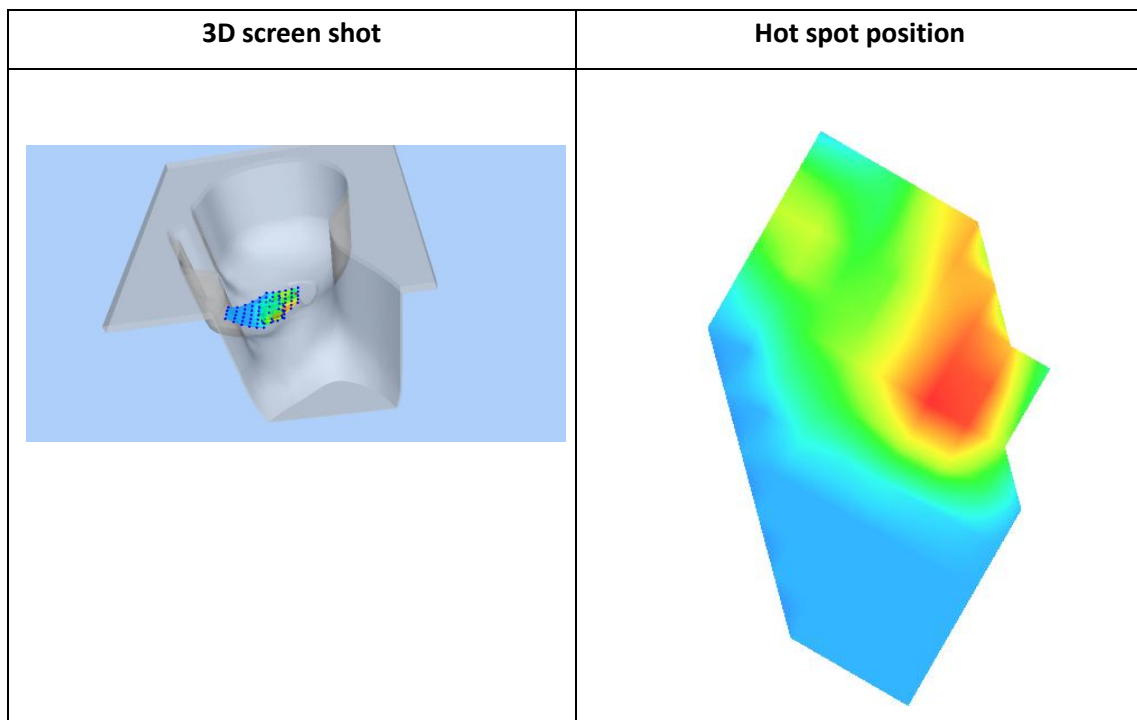
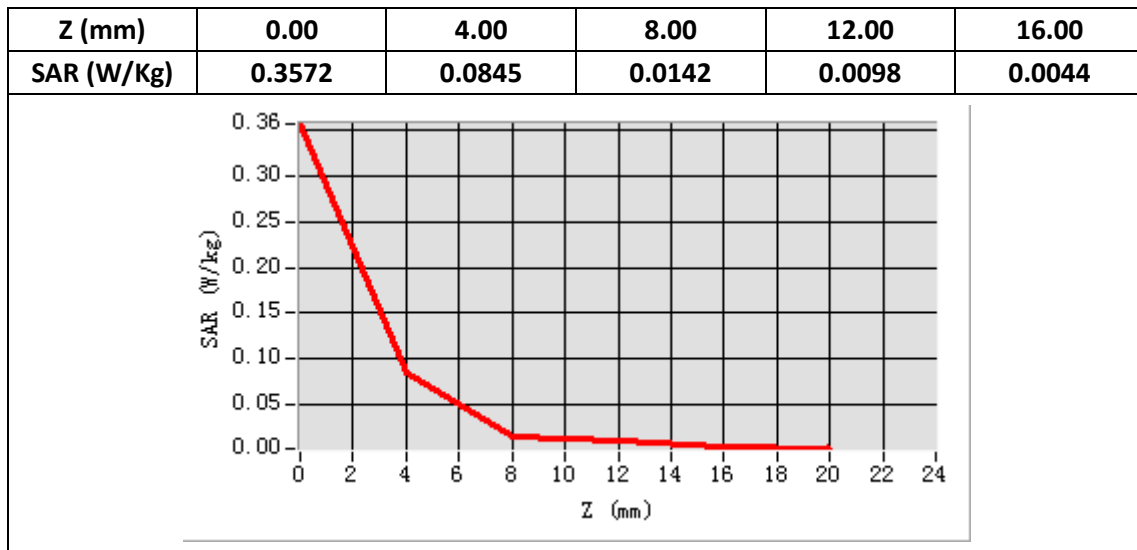
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2441
Relative permittivity (real part)	39.69
Relative permittivity (imaginary part)	13.37
Conductivity (S/m)	1.82
Variation (%)	-1.07
ConvF:	2.35



Maximum location: X=-33.00 Y=-45.00

SAR Peak: 0.20 W/kg

SAR 10g (W/Kg)	0.035267
SAR 1g (W/Kg)	0.083230



Plot 30: BT, Back,Middle, 10mm

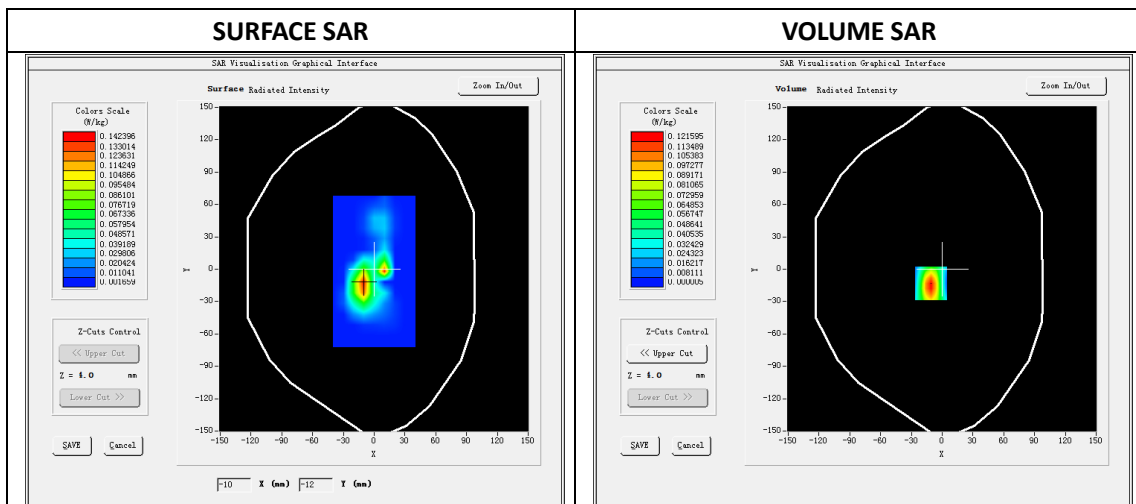
Type: Phone measurement
 Date of measurement: 10/12/2019
 Measurement duration: 22 minutes 49 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2441
Relative permittivity (real part)	53.18
Relative permittivity (imaginary part)	14.47
Conductivity (S/m)	1.97
Variation (%)	1.66
ConvF:	2.43



Maximum location: X=-11.00 Y=-13.00

SAR Peak: 0.22 W/kg

SAR 10g (W/Kg)	0.045920
SAR 1g (W/Kg)	0.110736

