

Appendix B: SAR Measurement results Plots

Plot	Frequency/Mode	Testing Position and Channel	Test Date
1	GSM850	Right Cheek Middle	2019/08/26
2	GSM850/GPRS4Tx	Body Back, Middle ,10mm	2019/08/26
3	GSM1900	Left Cheek Middle	2019/08/28
4	GSM1900/GPRS4Tx	Body Back, Middle ,10mm	2019/08/28
5	GSM1900/GPRS4Tx	Edge C, Middle ,10mm	2019/08/28
6	WCDMA1900	Left Cheek Middle	2019/08/28
7	WCDMA1900	Body Back, Middle ,10mm	2019/08/28
8	WCDMA1900	Edge C, Middle ,10mm	2019/08/28
9	WCDMA1700	Right Cheek Middle	2019/08/27
10	WCDMA1700	Body Back, Middle ,10mm	2019/08/27
11	WCDMA850	Right Cheek Middle	2019/08/26
12	WCDMA850	Body Back, Middle ,10mm	2019/08/26
13	LTE Band2	Right Cheek Middle	2019/08/28
14	LTE Band2	Body Back, Middle ,10mm	2019/08/28
15	LTE Band4	Left Cheek Middle	2019/08/27
16	LTE Band4	Body Back, Middle ,10mm	2019/08/27
17	LTE Band5	Right Cheek Middle	2019/08/26
18	LTE Band5	Body Back, Middle ,10mm	2019/08/26
19	LTE Band7	Left Cheek Middle	2019/08/30
20	LTE Band7	Body Back, Middle ,10mm	2019/08/30
21	LTE Band7	Edge C, Middle ,10mm	2019/08/30
22	LTE Band66	Right Cheek Middle	2019/08/27
23	LTE Band66	Body Back, Middle ,10mm	2019/08/27
24	LTE Band66	Edge C, Middle ,10mm	2019/08/27
25	WIFI 2.4G 802.11b	Left Cheek Middle	2019/08/29
26	WIFI 2.4G 802.11b	Body Back, Middle ,10mm	2019/08/29
27	BT 3.0 GFSK	Left Cheek Middle	2019/08/29
28	BT 3.0 GFSK	Body Back, Middle ,10mm	2019/08/29

Plot 1: GSM850, Right Cheek, Middle

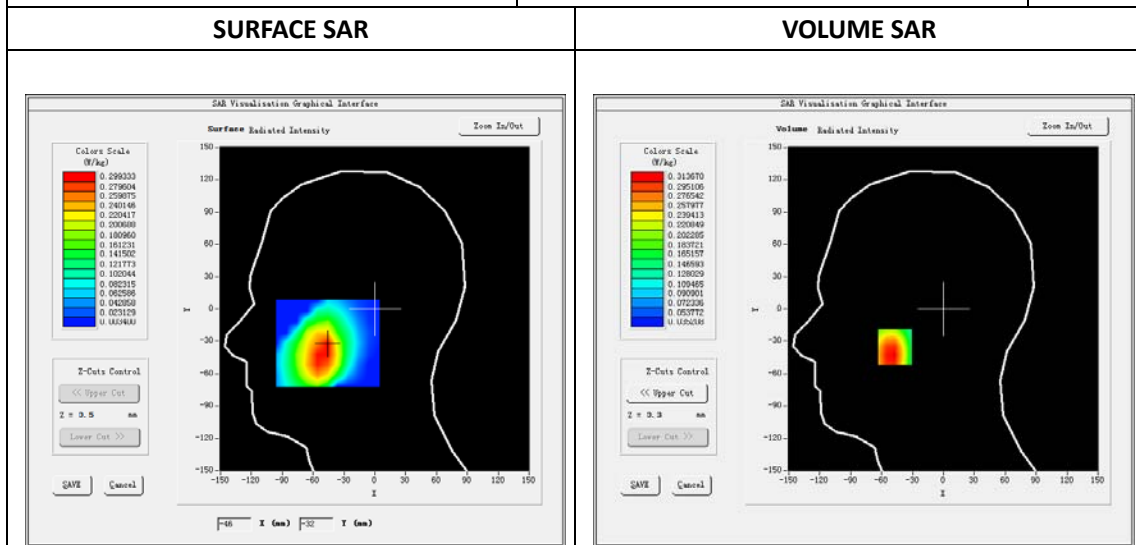
Type: Phone measurement
 Date of measurement: 08/26/2019
 Measurement duration: 22 minutes 03 seconds
 Mobile Phone IMEI number: --

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

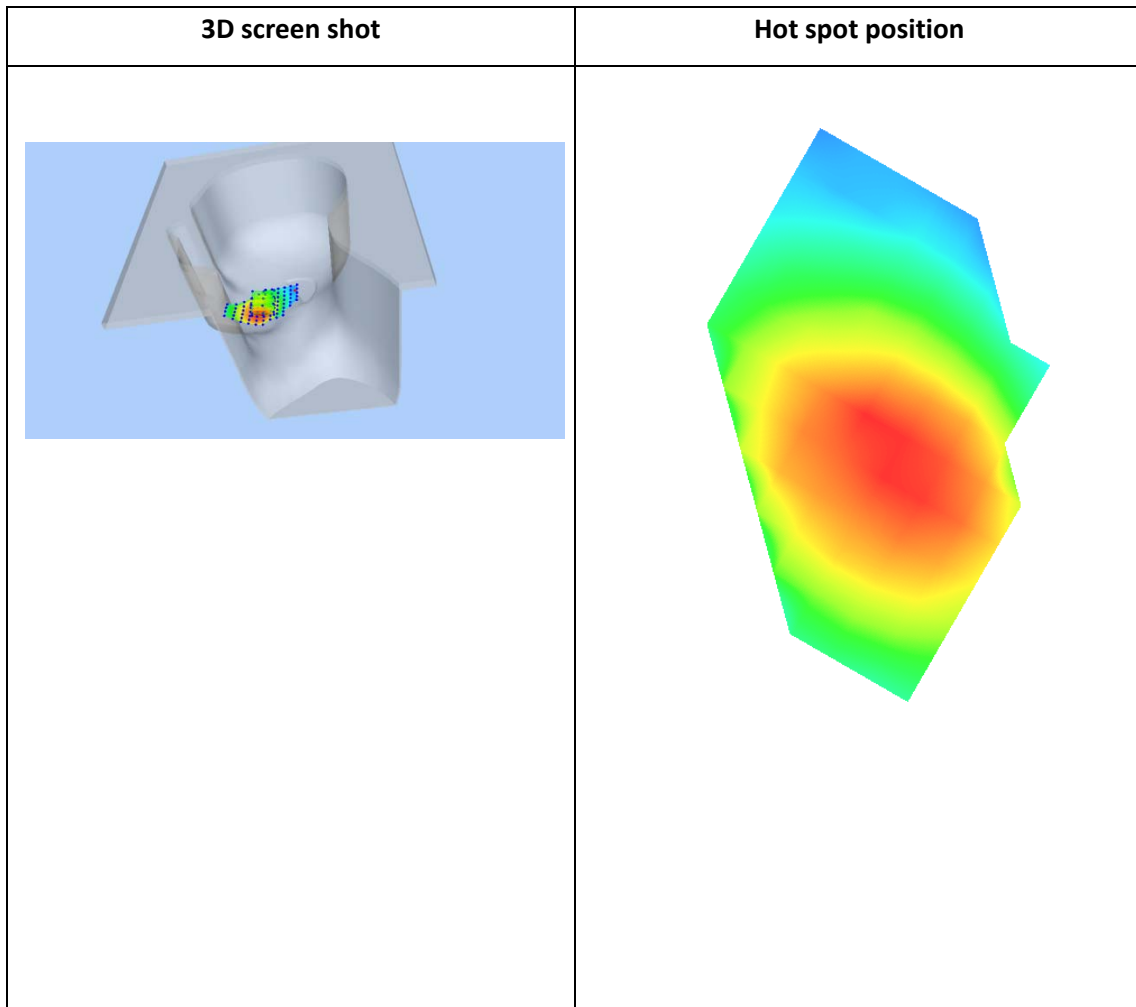
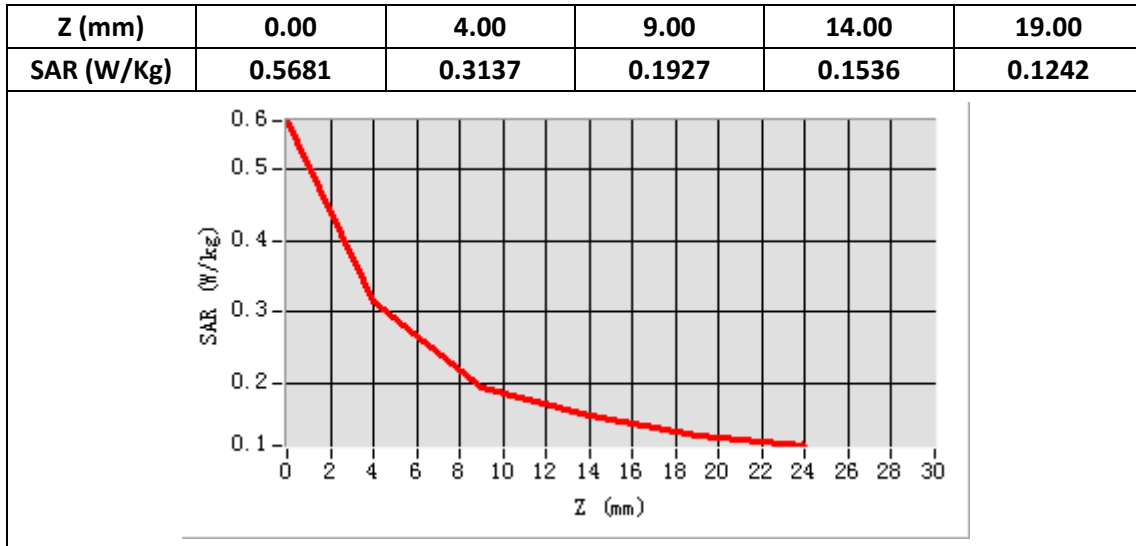
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.6
Relative permittivity (real part)	41.47
Relative permittivity (imaginary part)	20.48
Conductivity (S/m)	0.95
Variation (%)	-2.25
ConvF:	1.92



Maximum location: X=-47.00, Y=-35.00

SAR Peak: 0.45W/kg

SAR 10g (W/Kg)	0.213776
SAR 1g (W/Kg)	0.306994



Plot 2: GPRS850, Back, Middle,10mm

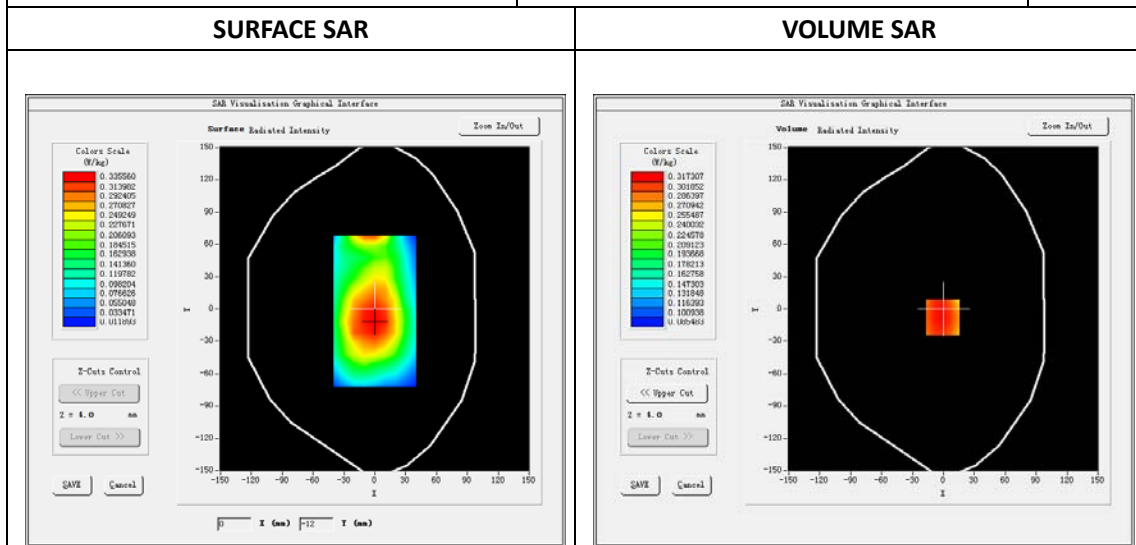
Type: Phone measurement
 Date of measurement: 08/26/2019
 Measurement duration: 22 minutes 02 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	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)	55.20
Relative permittivity (imaginary part)	20.91
Conductivity (S/m)	0.97
Variation (%)	-1.60
ConvF:	1.99

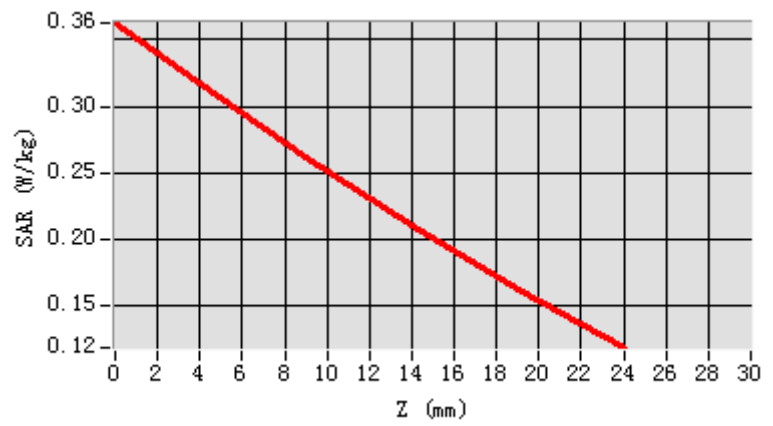


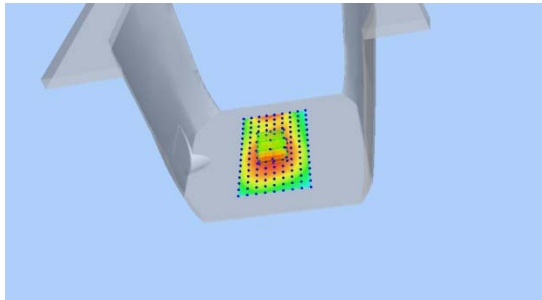
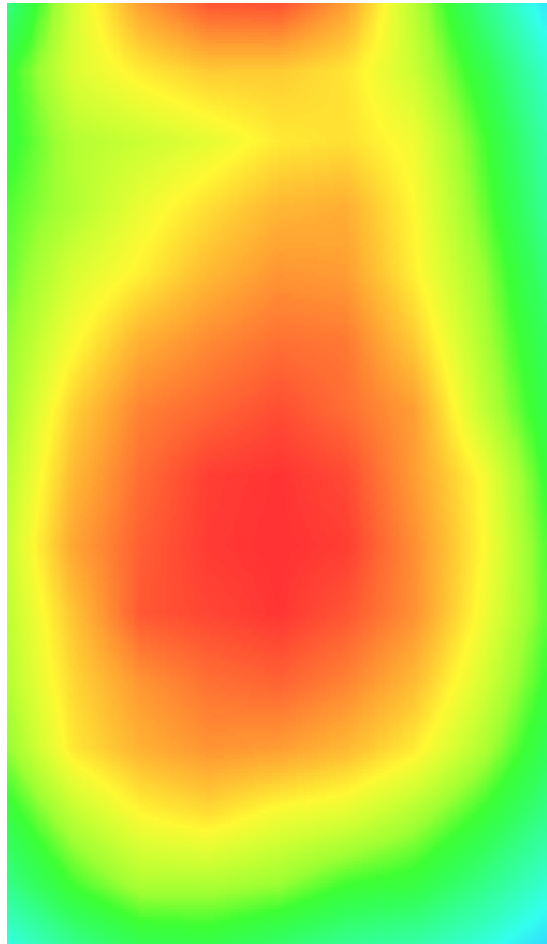
Maximum location: X=-1.00, Y=-8.00

SAR Peak: 0.41 W/kg

SAR 10g (W/Kg)	0.240692
SAR 1g (W/Kg)	0.318777

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3626	0.3173	0.2624	0.2100	0.1615



3D screen shot	Hot spot position
	

Plot 3: GSM1900, Left Cheek, Middle

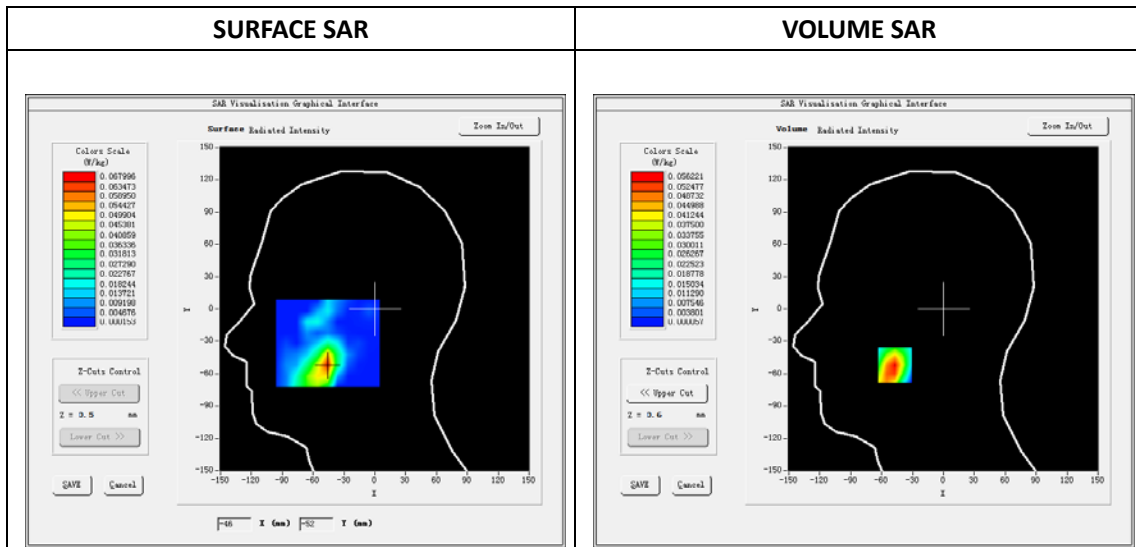
Type: Phone measurement
 Date of measurement: 08/28/2019
 Measurement duration: 22 minutes 05 seconds
 Mobile Phone IMEI number: --

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

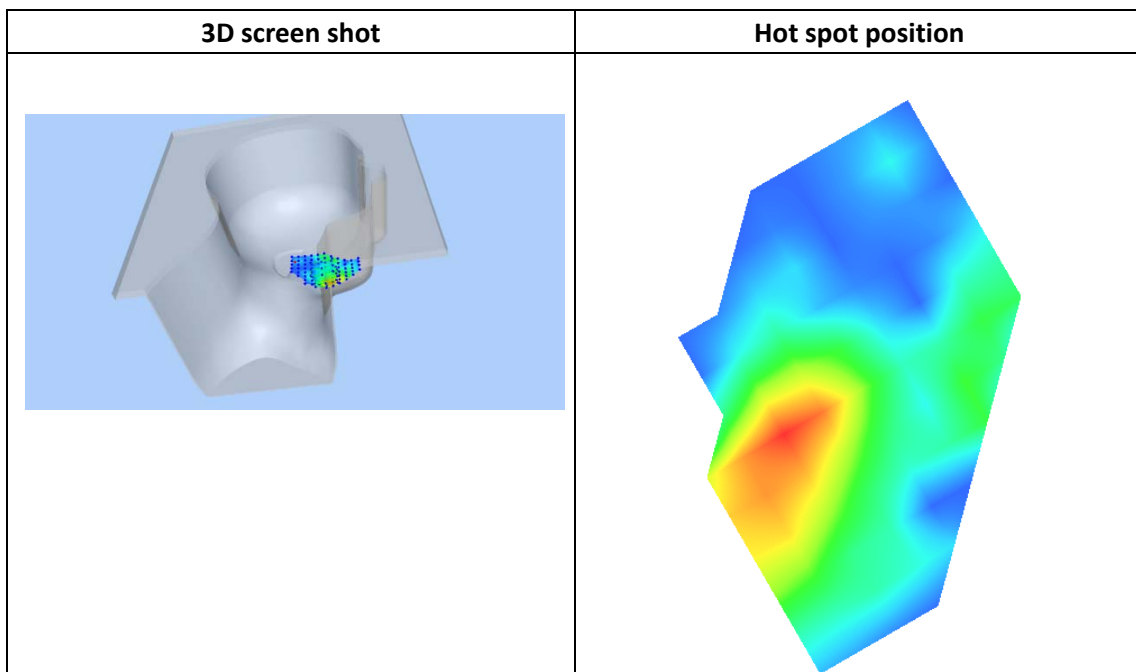
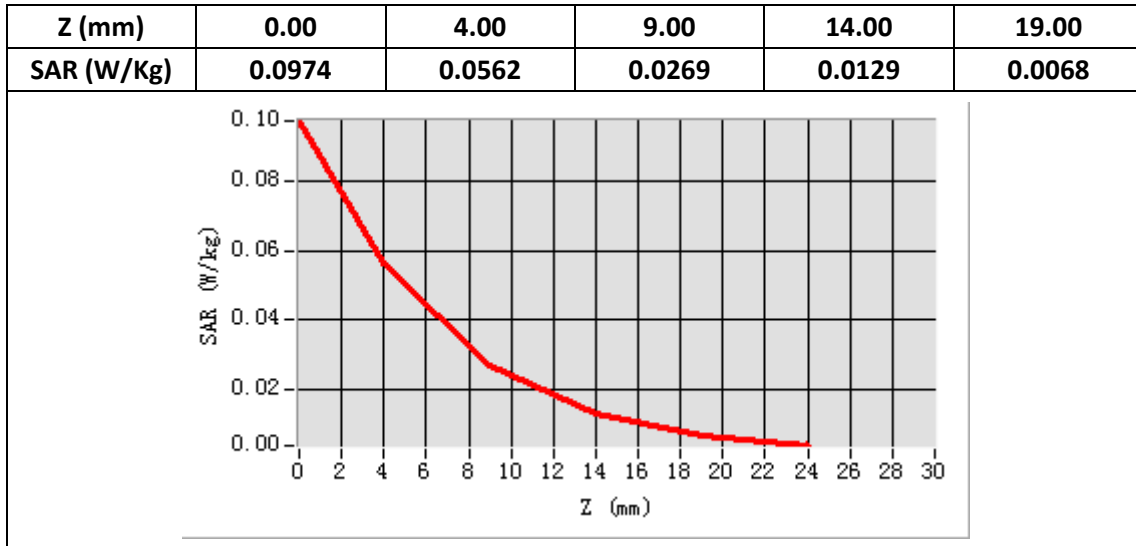
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	40.70
Relative permittivity (imaginary part)	13.36
Conductivity (S/m)	1.41
Variation (%)	3.03
ConvF:	2.34



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

SAR Peak: 0.10 W/kg

SAR 10g (W/Kg)	0.026355
SAR 1g (W/Kg)	0.053513



Plot 4: GPRS1900, Back, Middle ,10mm

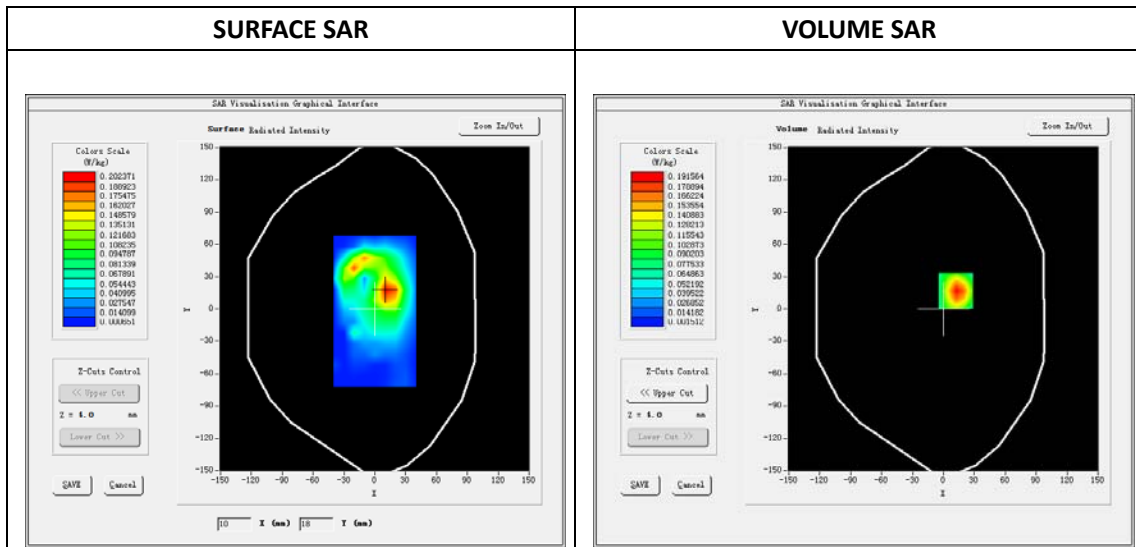
Type: Phone measurement
 Date of measurement: 08/28/2019
 Measurement duration: 22 minutes 01 seconds
 Mobile Phone IMEI number: --

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)	53.55
Relative permittivity (imaginary part)	14.49
Conductivity (S/m)	1.53
Variation (%)	-4.31
ConvF:	2.39

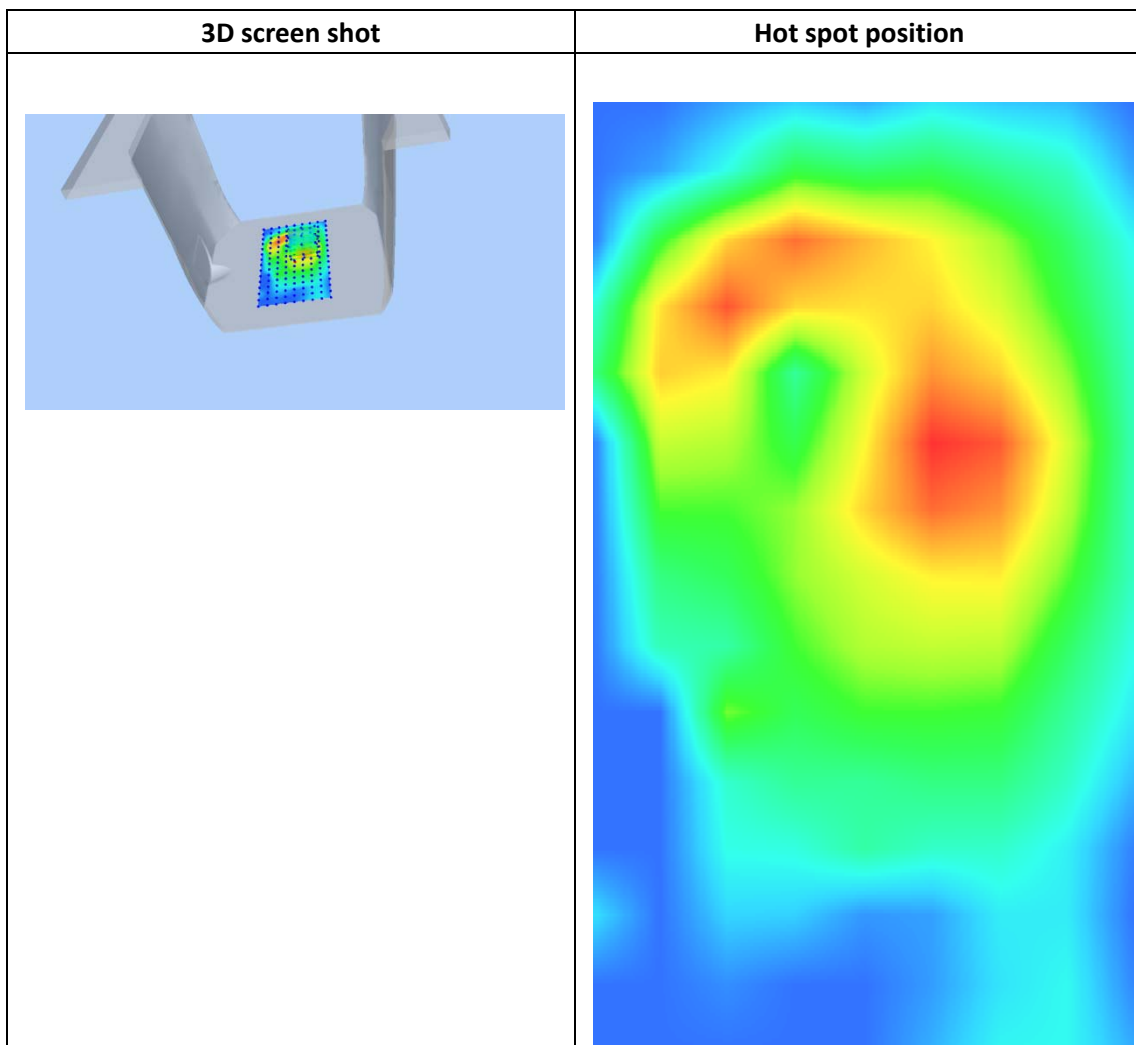
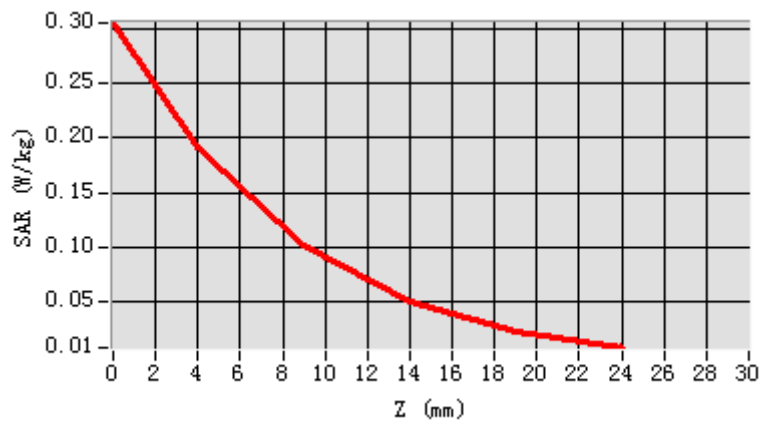


Maximum location: X=12.00, Y=17.00

SAR Peak: 0.31W/kg

SAR 10g (W/Kg)	0.090305
SAR 1g (W/Kg)	0.178033

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3049	0.1916	0.1013	0.0504	0.0232



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

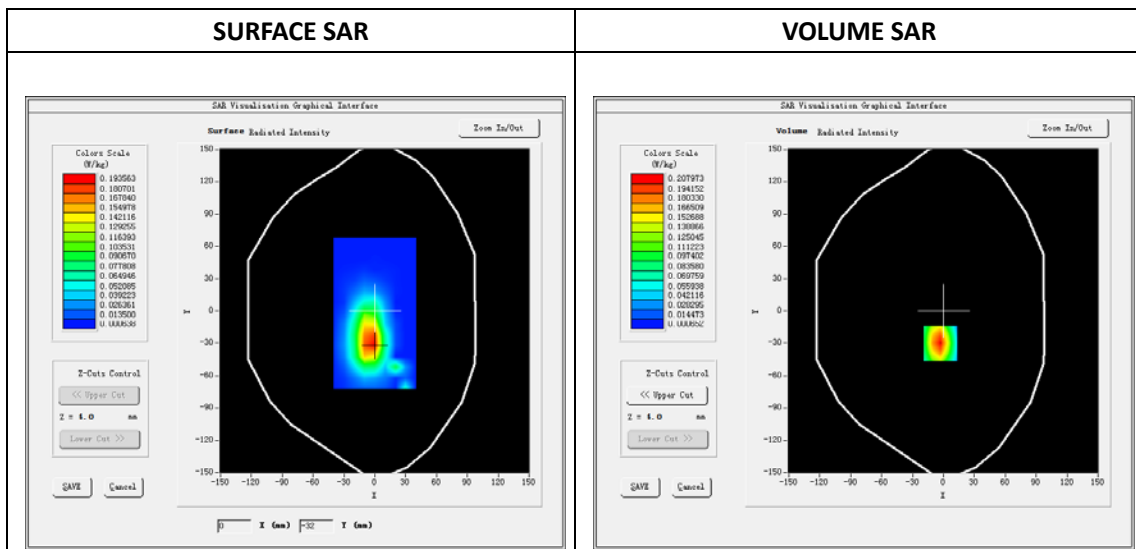
Type: Phone measurement
 Date of measurement: 08/28/2019
 Measurement duration: 22 minutes 07 seconds
 Mobile Phone IMEI number: --

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_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.55
Relative permittivity (imaginary part)	14.49
Conductivity (S/m)	1.53
Variation (%)	-4.39
ConvF:	2.39

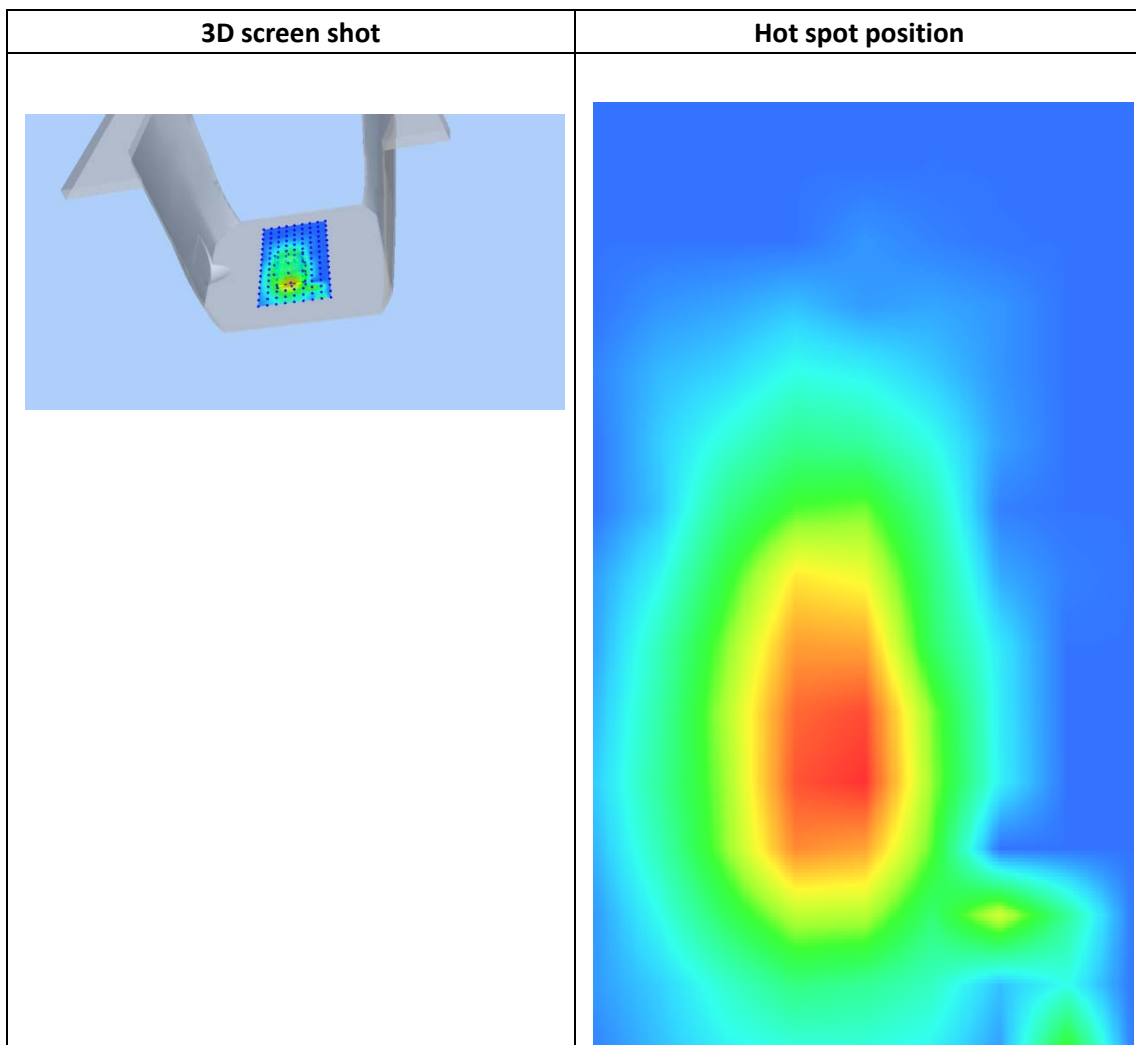
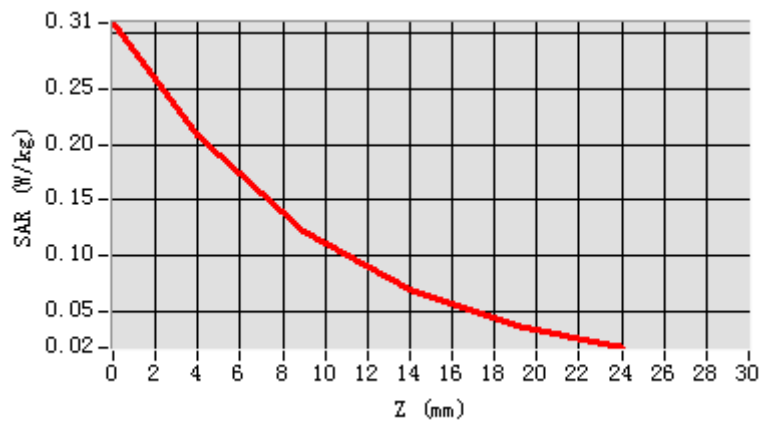


Maximum location: X=-3.00, Y=-30.00

SAR Peak: 0.31W/kg

SAR 10g (W/Kg)	0.100070
SAR 1g (W/Kg)	0.192587

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3095	0.2080	0.1218	0.0686	0.0367



Plot 6: WCDMA1900, Left Cheek, Middle,10mm

Type: Phone measurement

Date of measurement: 08/28/2019

Measurement duration: 22 minutes 10 seconds

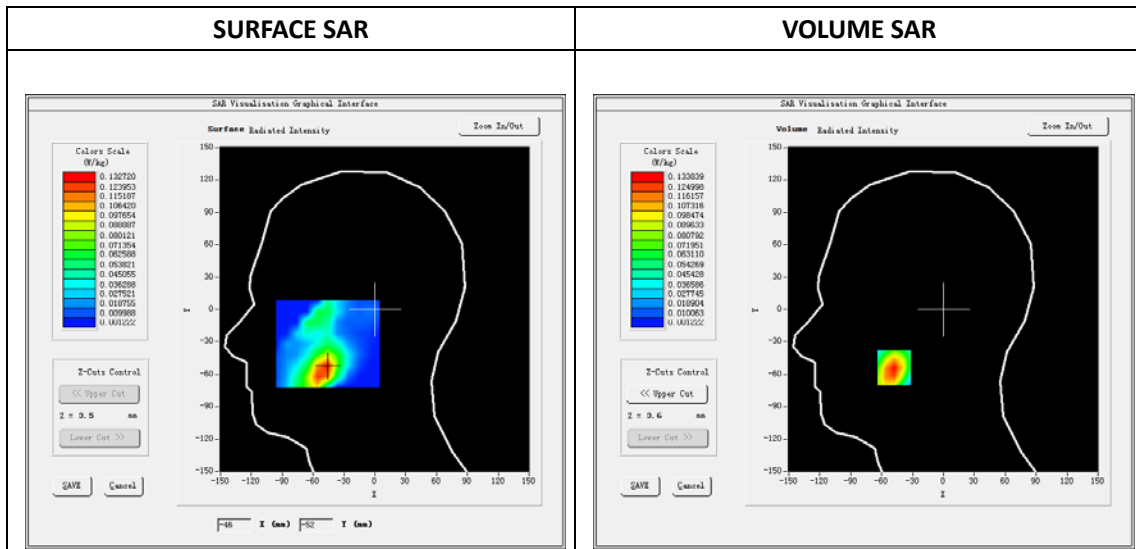
Mobile Phone IMEI number: --

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	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)	40.70
Relative permittivity (imaginary part)	13.36
Conductivity (S/m)	1.41
Variation (%)	-3.50
ConvF:	2.34

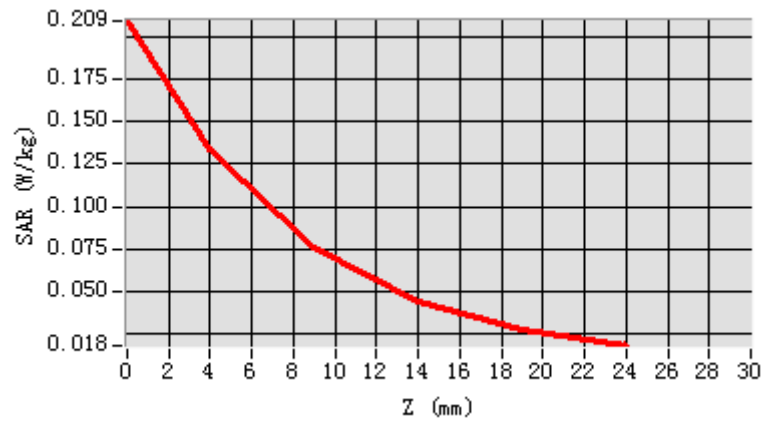


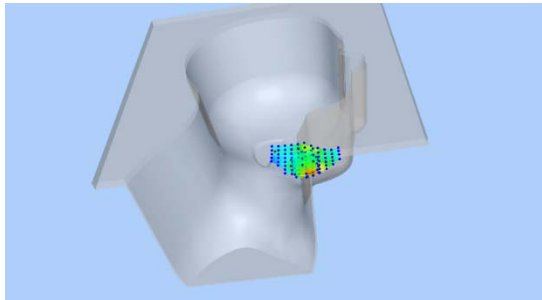
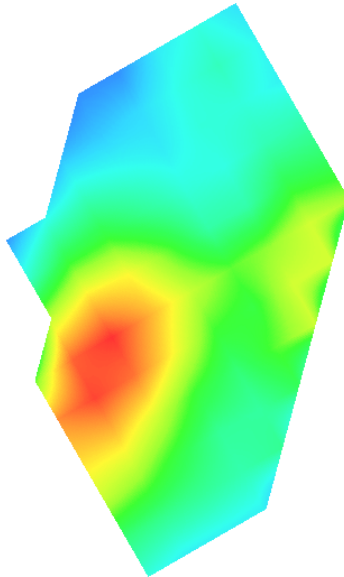
Maximum location: X=-48.00, Y=-54.00

SAR Peak: 0.21W/kg

SAR 10g (W/Kg)	0.069364
SAR 1g (W/Kg)	0.125817

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2089	0.1338	0.0756	0.0441	0.0280



3D screen shot	Hot spot position
	

Plot 7: WCDMA1900, Back, Middle,10mm

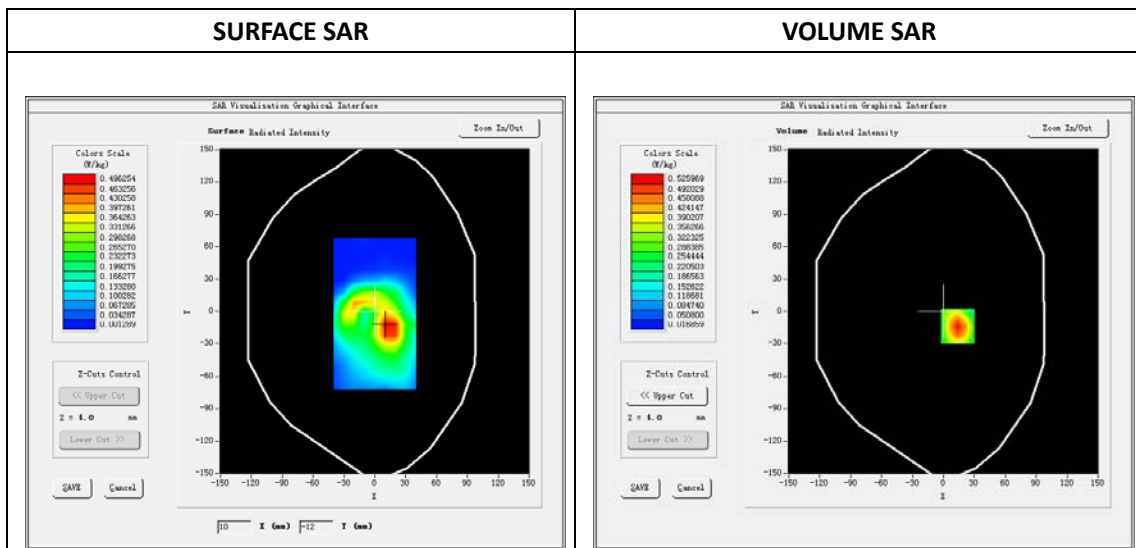
Type: Phone measurement
 Date of measurement: 08/28/2019
 Measurement duration: 22 minutes 09 seconds
 Mobile Phone IMEI number: --

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_WCDMA1900
Channels	9400
Signal	WCDMA (Duty cycle: 1:1)

B. SAR Measurement Results

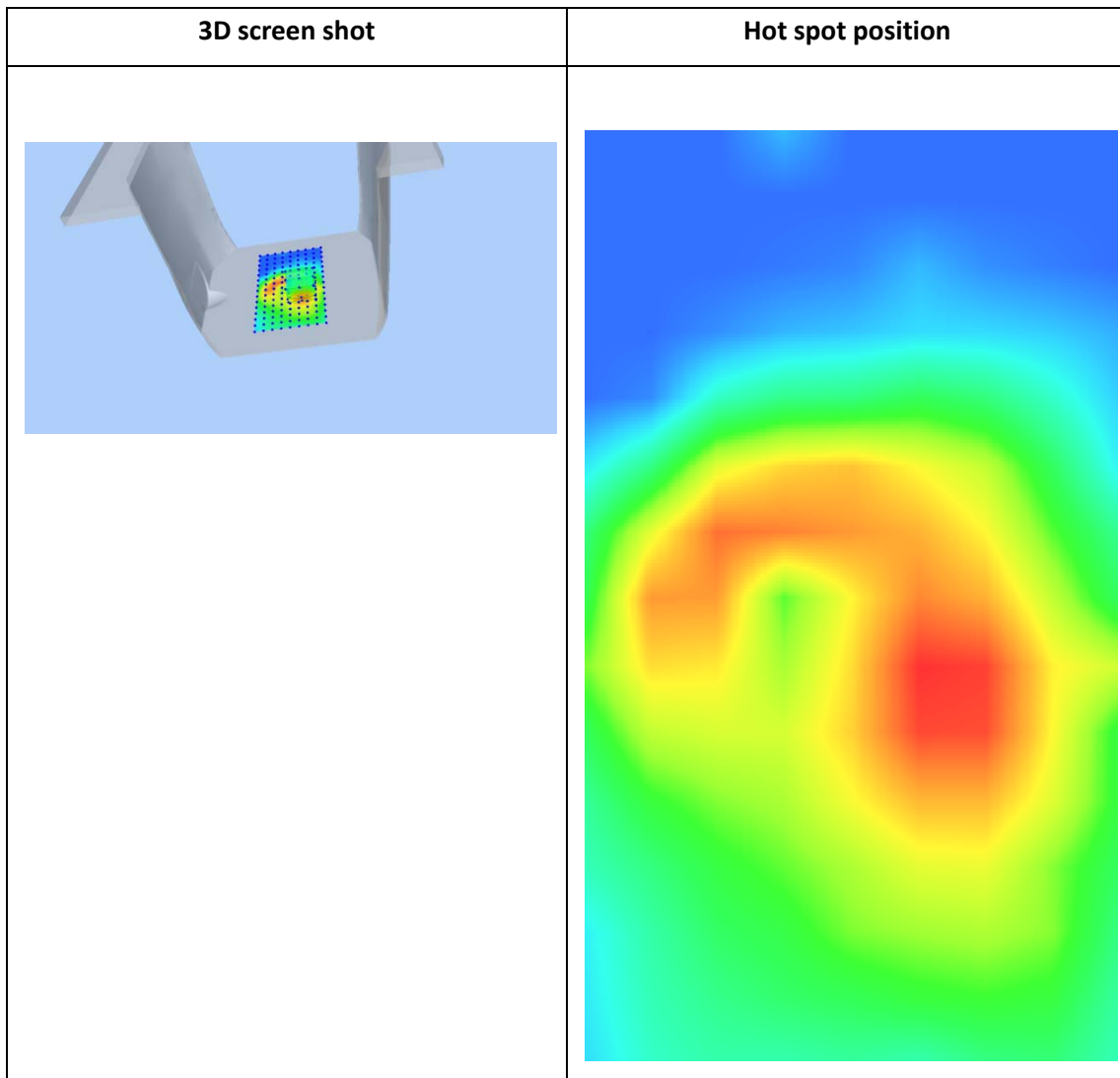
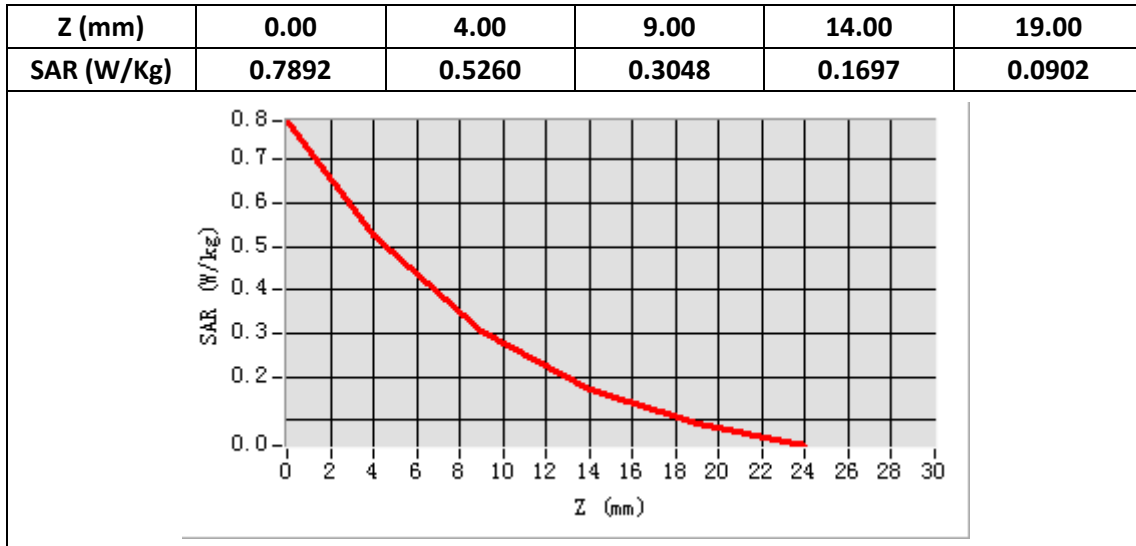
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.55
Relative permittivity (imaginary part)	14.49
Conductivity (S/m)	1.53
Variation (%)	-2.39
ConvF:	2.39



Maximum location: X=14.00, Y=-14.00

SAR Peak: 0.79W/kg

SAR 10g (W/Kg)	0.268073
SAR 1g (W/Kg)	0.489344



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

Type: Phone measurement

Date of measurement: 08/28/2019

Measurement duration: 22 minutes 13 seconds

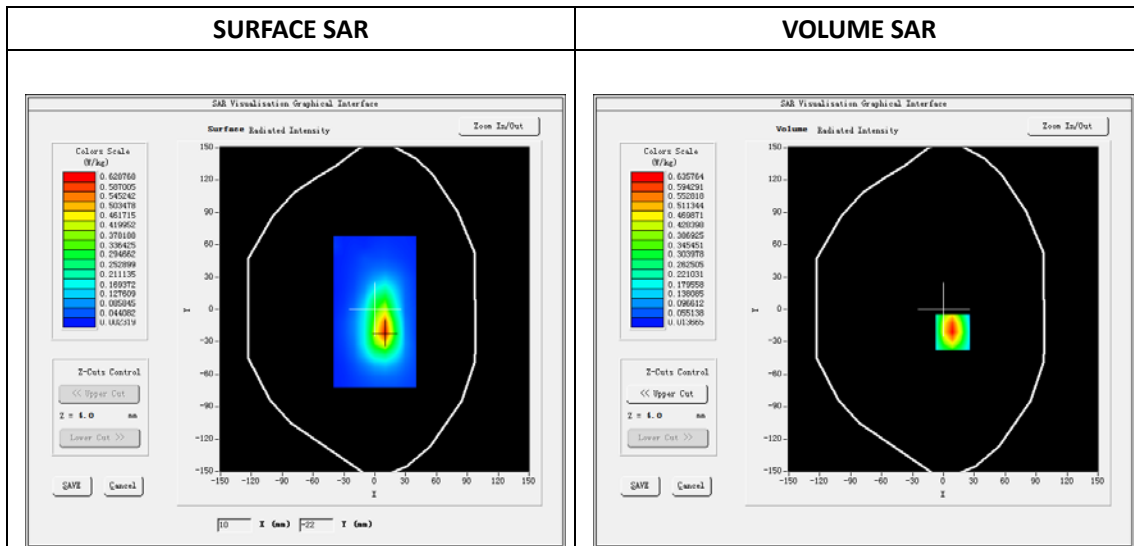
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

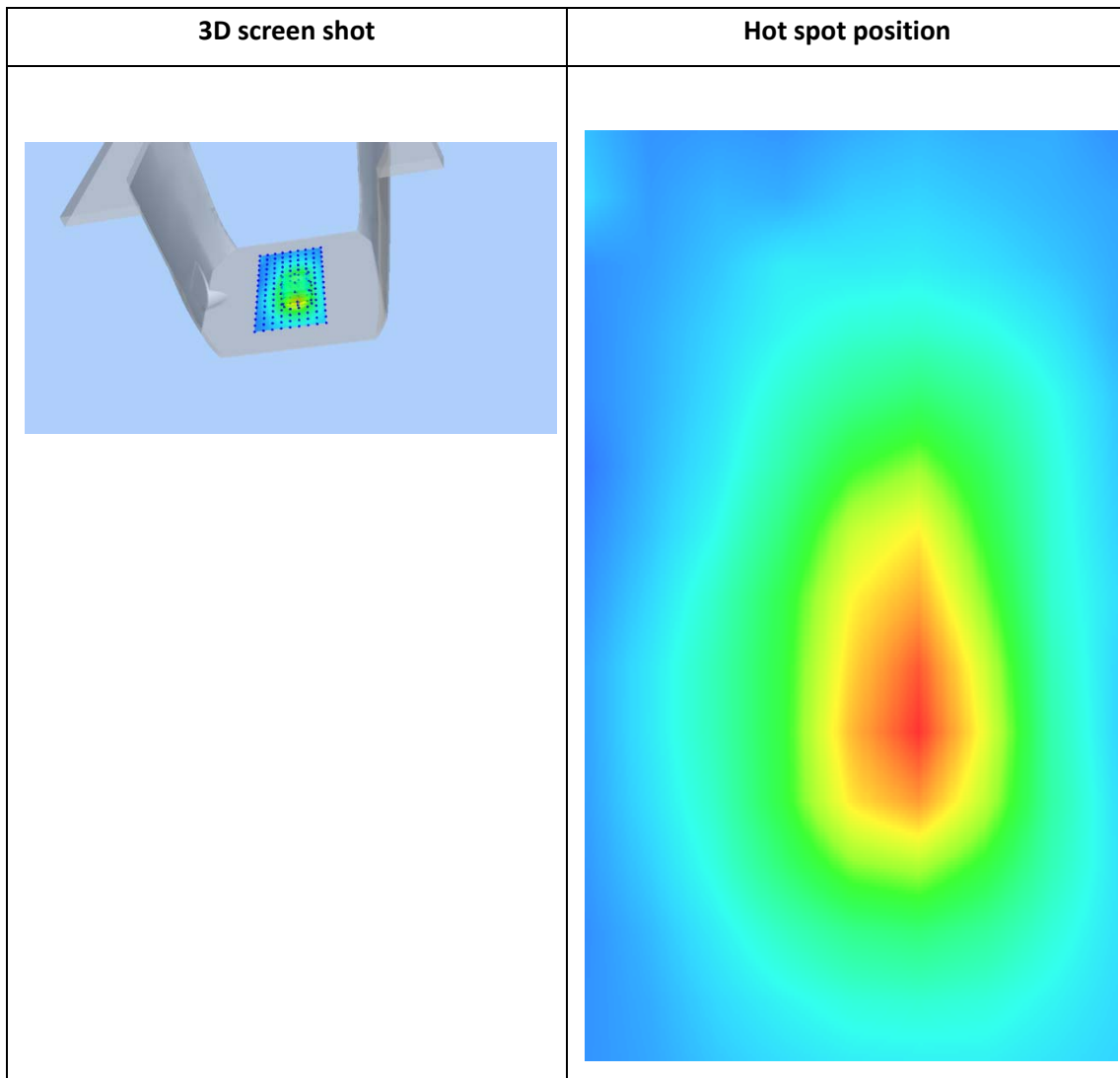
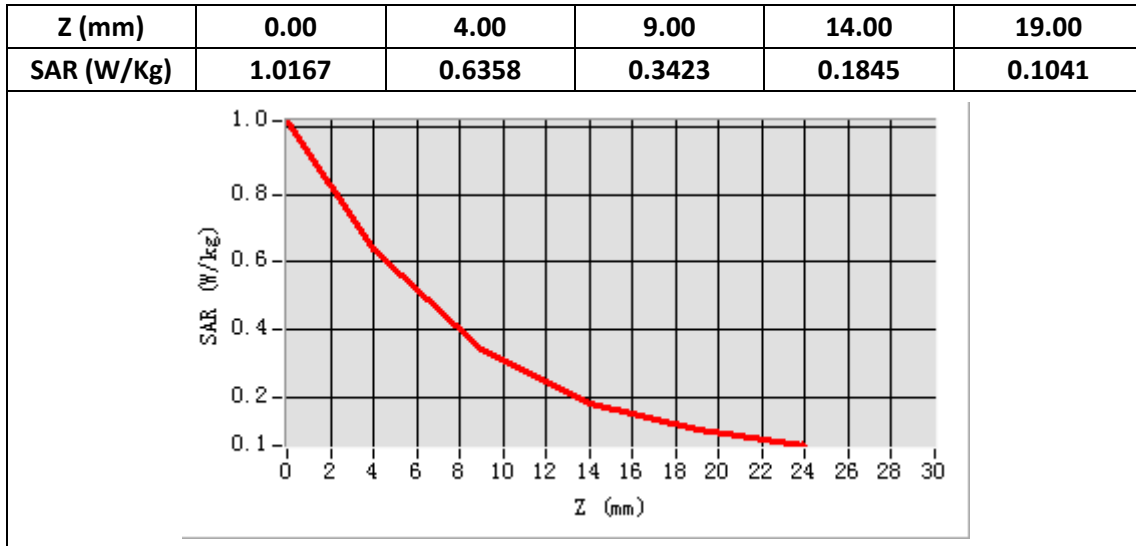
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.55
Relative permittivity (imaginary part)	14.49
Conductivity (S/m)	1.53
Variation (%)	-1.92
ConvF:	2.39



Maximum location: X=9.00, Y=-21.00

SAR Peak: 1.03W/kg

SAR 10g (W/Kg)	0.299092
SAR 1g (W/Kg)	0.589161



Plot 9: WCDMA1700, Right Cheek, Middle

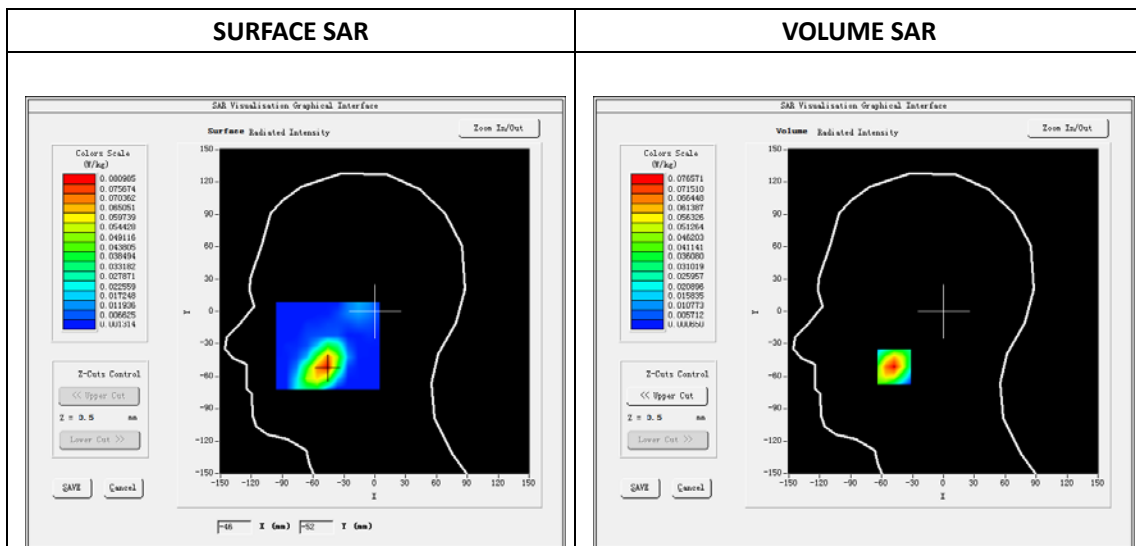
Type: Phone measurement
 Date of measurement: 08/27/2019
 Measurement duration: 22 minutes 08 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.6
Relative permittivity (real part)	40.91
Relative permittivity (imaginary part)	13.90
Conductivity (S/m)	1.39
Variation (%)	-2.88
ConvF:	2.14

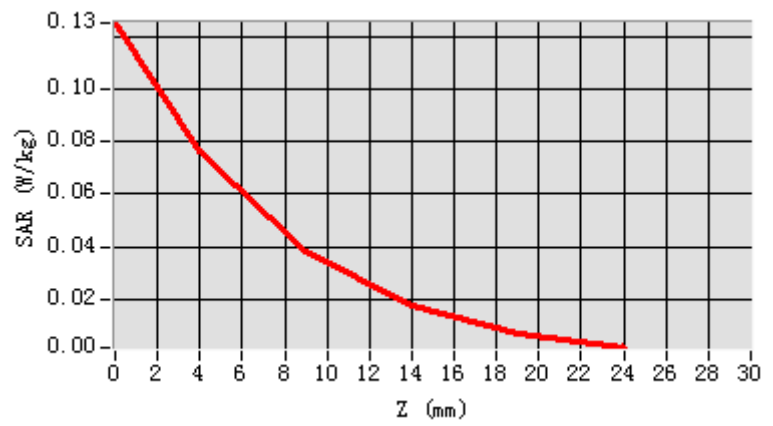


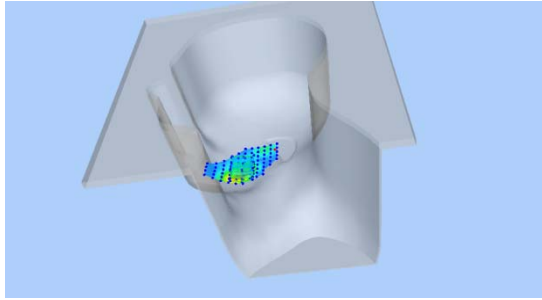
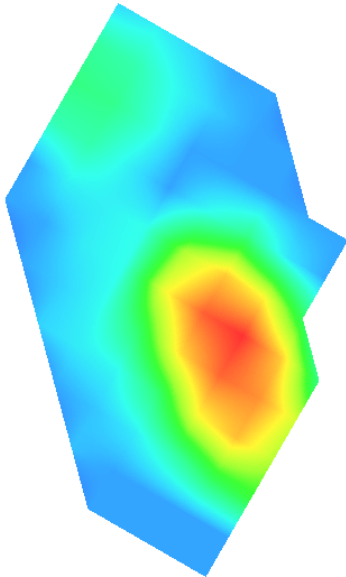
Maximum location: X=-48.00, Y=-51.00

SAR Peak: 0.13W/kg

SAR 10g (W/Kg)	0.034032
SAR 1g (W/Kg)	0.072506

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1252	0.0766	0.0384	0.0173	0.0066



3D screen shot	Hot spot position
	

Plot 10: WCDMA1700,Back, Middle,10mm

Type: Phone measurement

Date of measurement: 08/27/2019

Measurement duration: 22 minutes 11 seconds

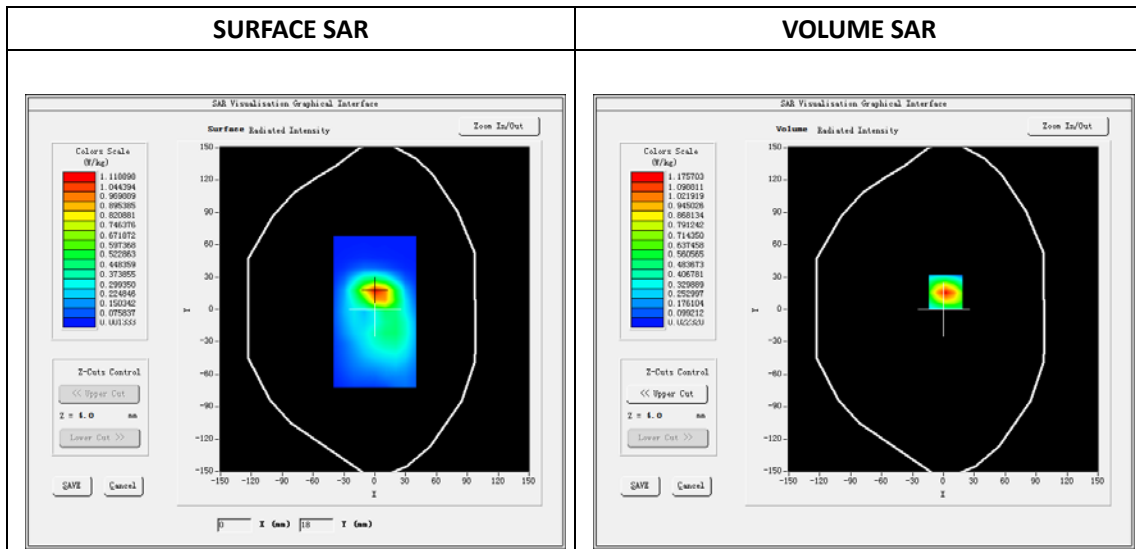
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.6
Relative permittivity (real part)	53.79
Relative permittivity (imaginary part)	15.10
Conductivity (S/m)	1.51
Variation (%)	-3.39
ConvF:	2.22

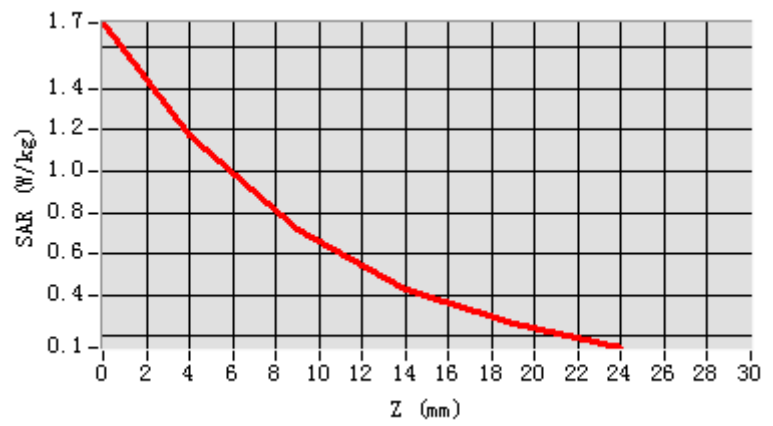


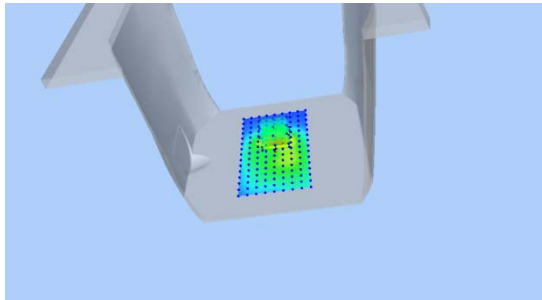
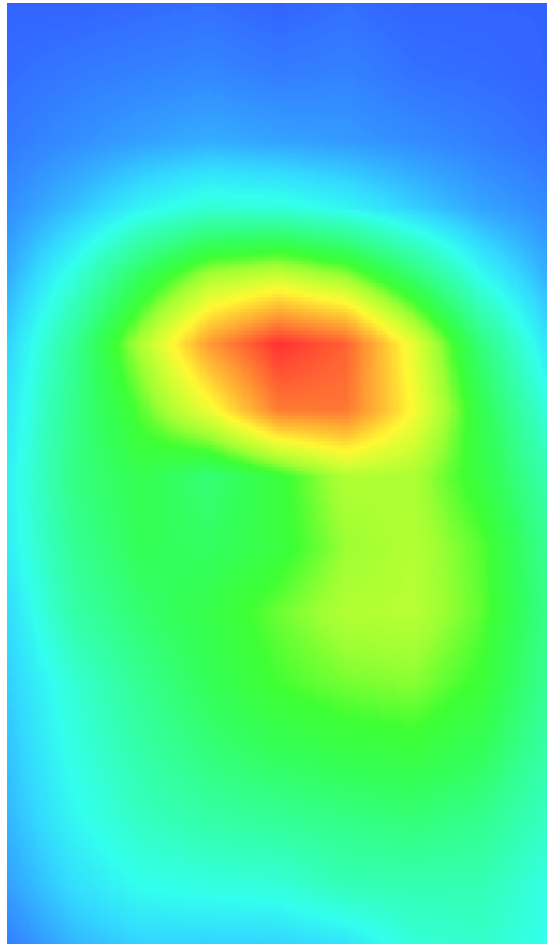
Maximum location: X=2.00, Y=16.00

SAR Peak: 1.73W/kg

SAR 10g (W/Kg)	0.566778
SAR 1g (W/Kg)	1.074239

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.7189	1.1757	0.7152	0.4306	0.2588



3D screen shot	Hot spot position
	

Plot 11: WCDMA850, Right Cheek, Middle

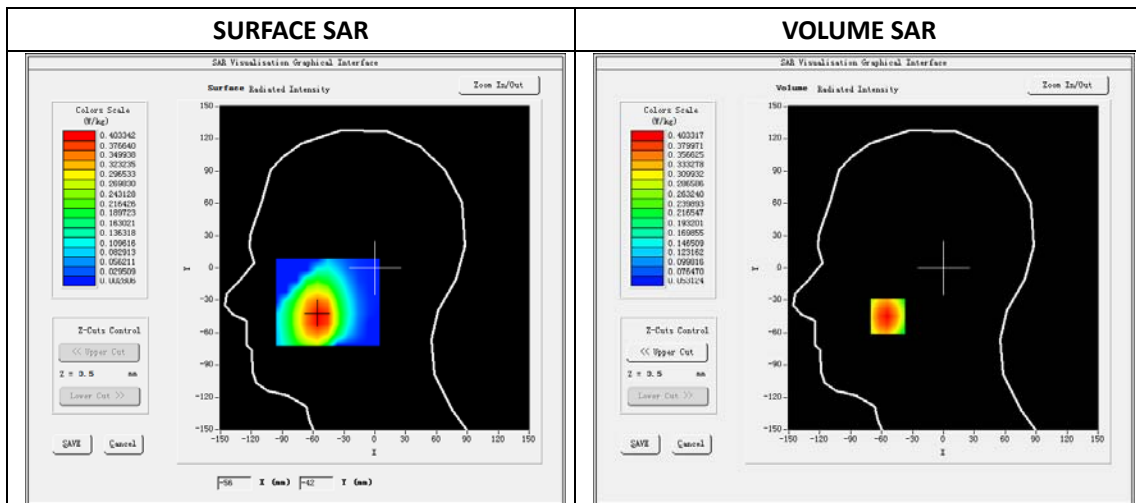
Type: Phone measurement
 Date of measurement: 08/26/2019
 Measurement duration: 22 minutes 17 seconds
 Mobile Phone IMEI number: --

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

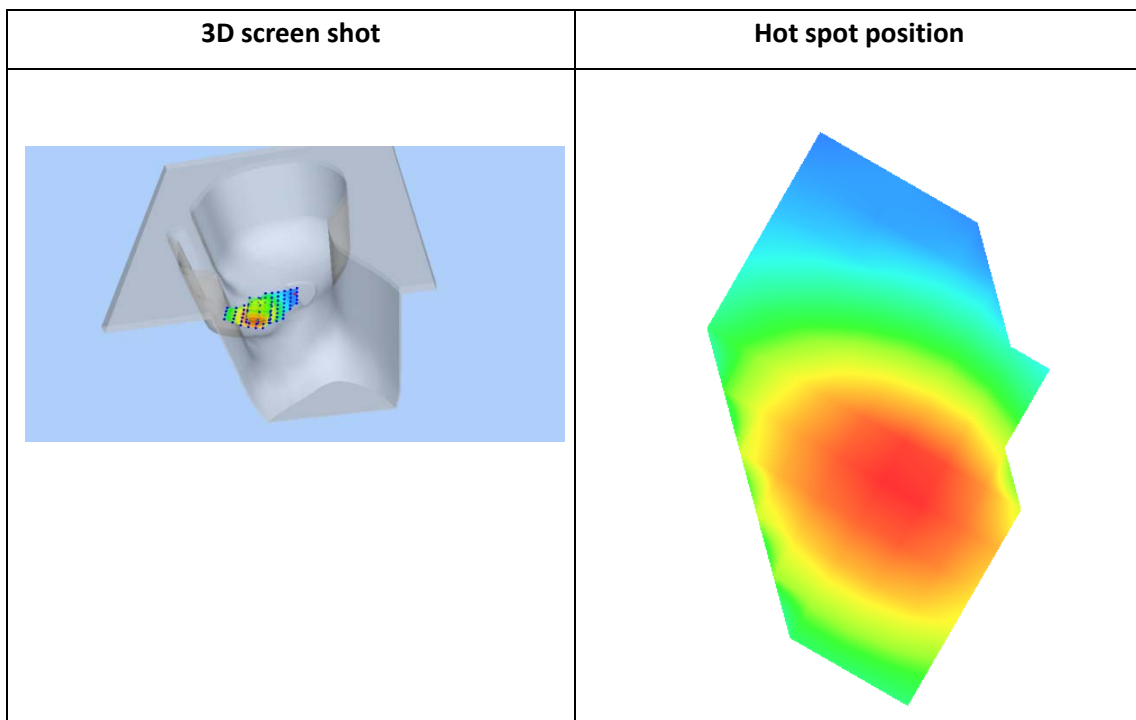
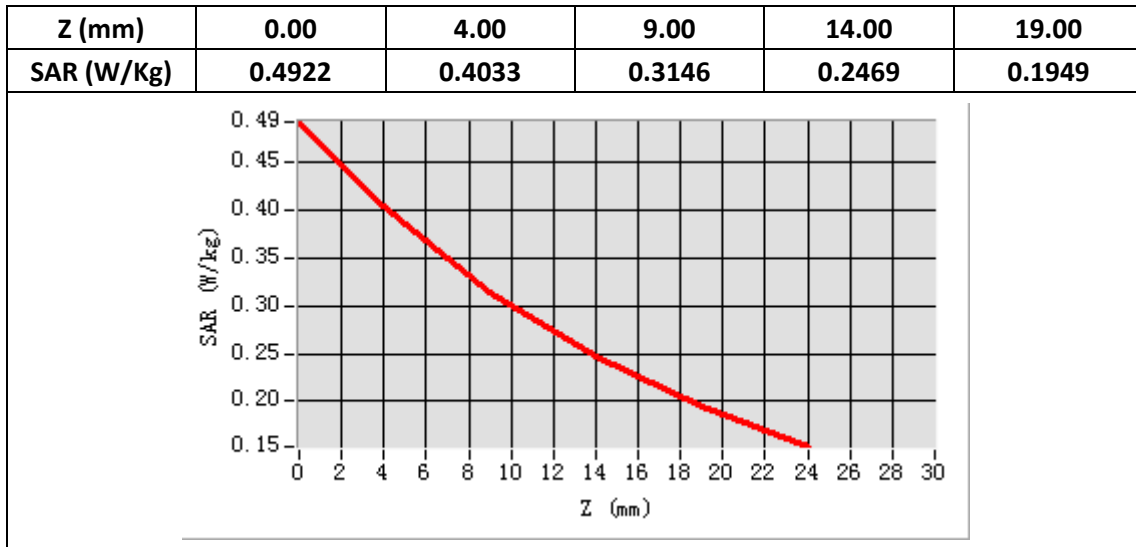
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	826.4
Relative permittivity (real part)	41.47
Relative permittivity (imaginary part)	20.48
Conductivity (S/m)	0.95
Variation (%)	-3.43
ConvF:	1.92



Maximum location: X=-54.00, Y=-45.00

SAR Peak: 0.49W/kg

SAR 10g (W/Kg)	0.283520
SAR 1g (W/Kg)	0.387823



Plot 12: WCDMA850, Back, Middle,10mm

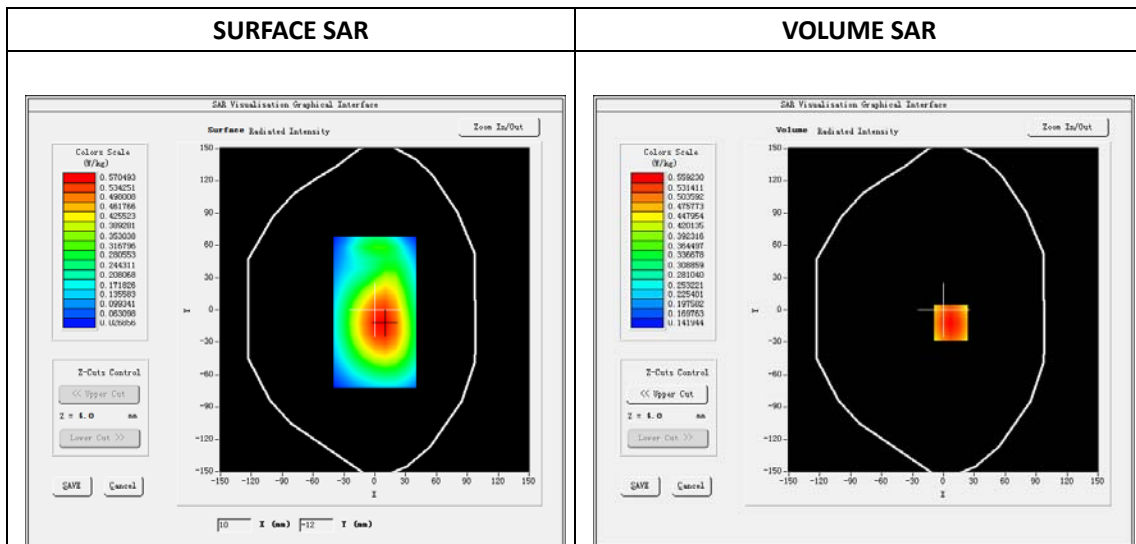
Type: Phone measurement
 Date of measurement: 08/26/2019
 Measurement duration: 22 minutes 15 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

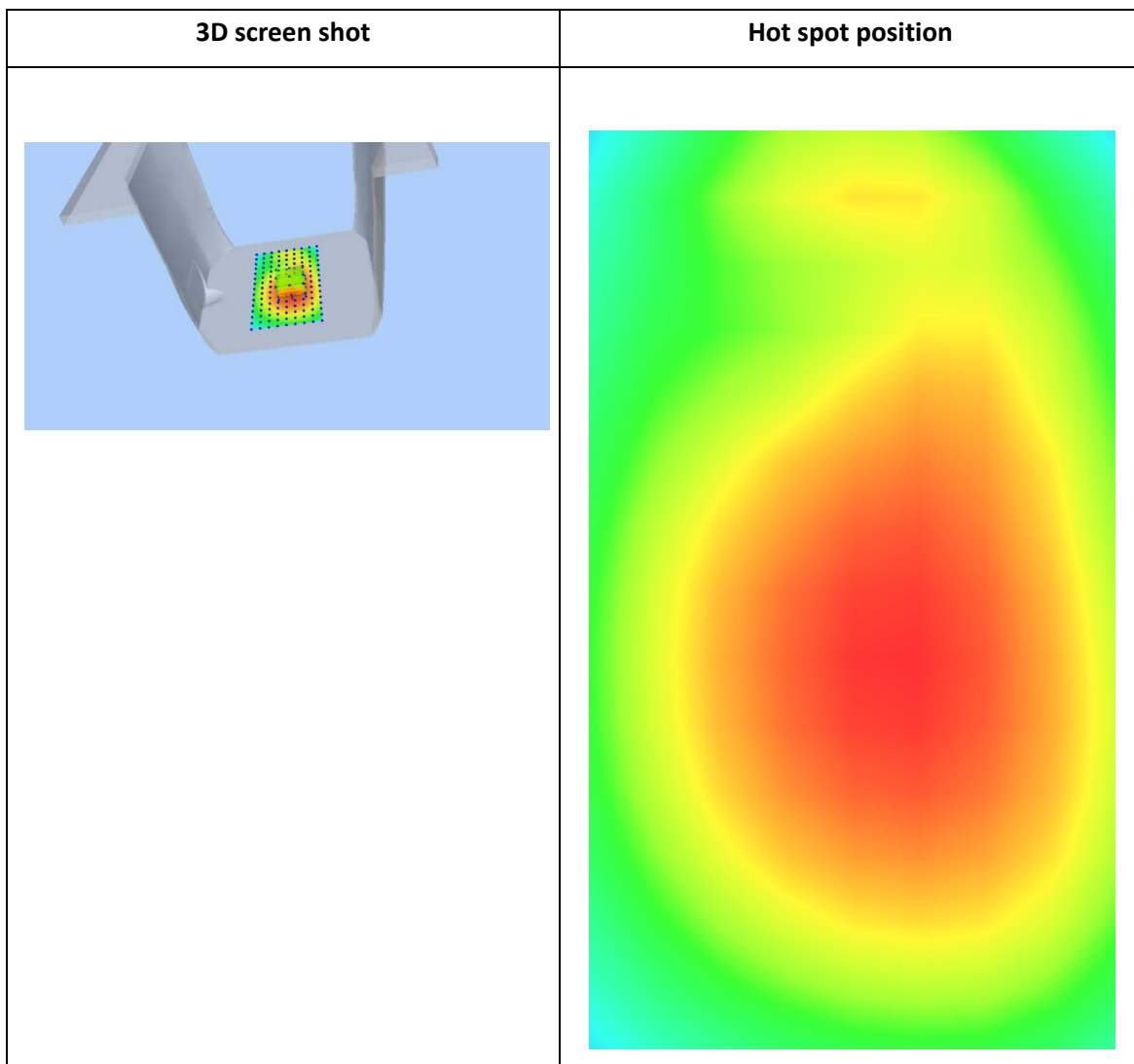
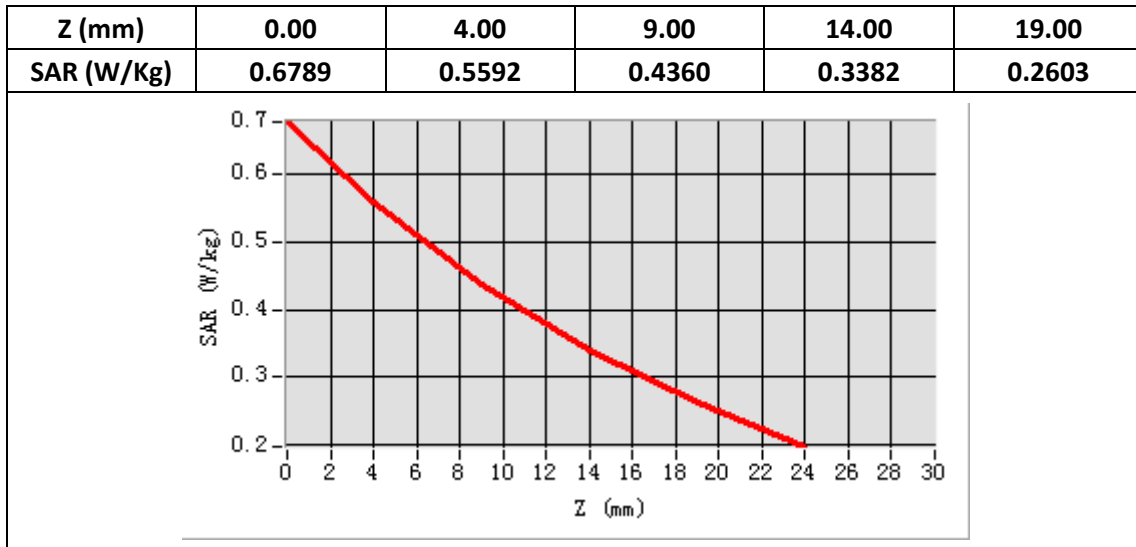
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	826.4
Relative permittivity (real part)	55.50
Relative permittivity (imaginary part)	20.91
Conductivity (S/m)	0.97
Variation (%)	-2.96
ConvF:	1.99



Maximum location: X=7.00, Y=-12.00

SAR Peak: 0.68W/kg

SAR 10g (W/Kg)	0.408716
SAR 1g (W/Kg)	0.550249



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

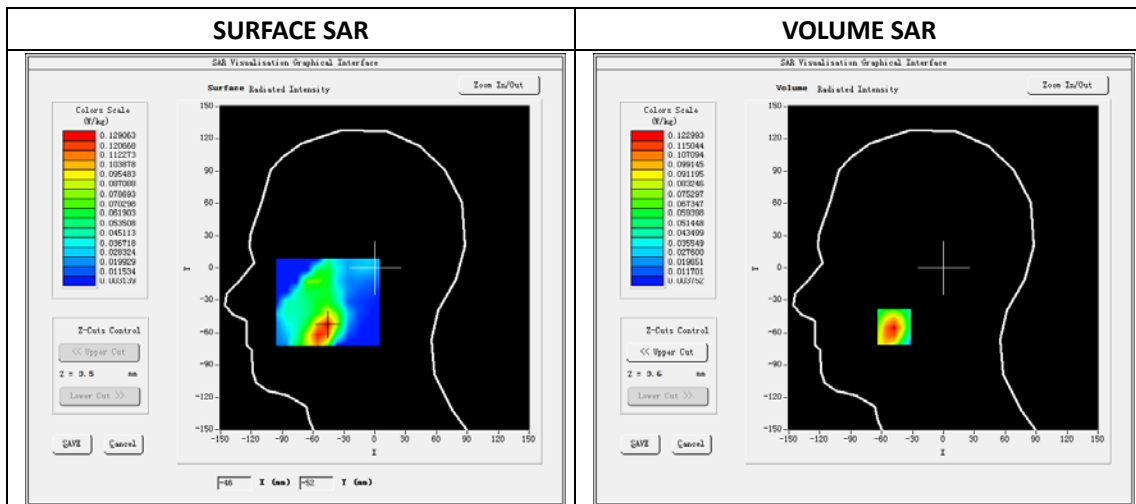
Type: Phone measurement
 Date of measurement: 08/28/2019
 Measurement duration: 22 minutes 16 econds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right 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)	40.70
Relative permittivity (imaginary part)	13.36
Conductivity (S/m)	1.41
Variation (%)	-1.95
ConvF:	2.34

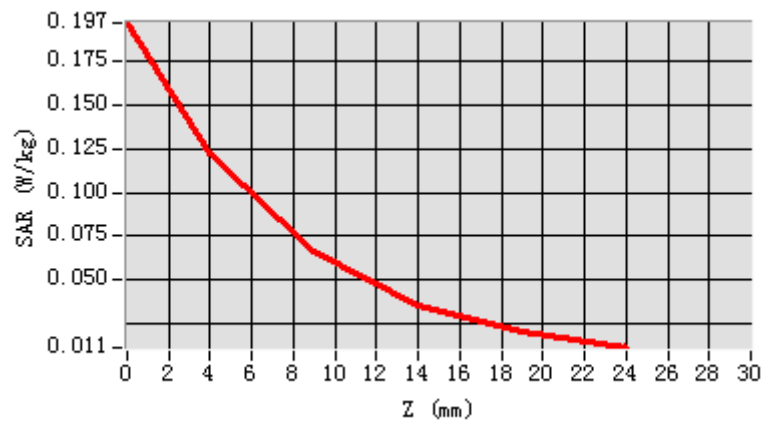


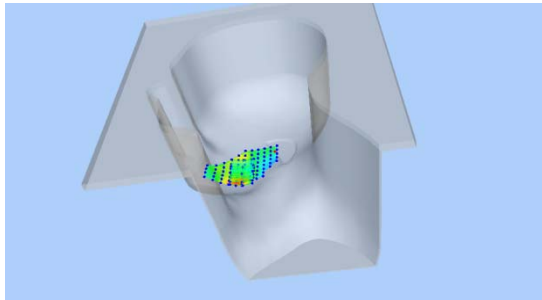
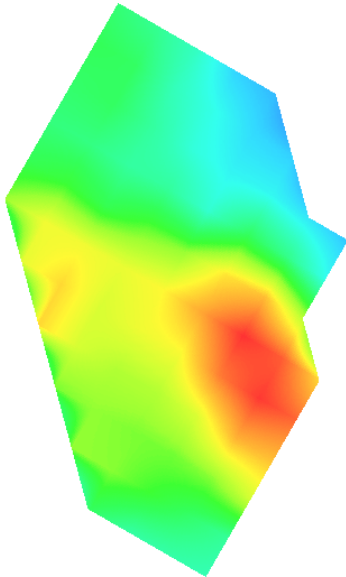
Maximum location: X=-48.00, Y=-55.00

SAR Peak: 0.20 W/kg

SAR 10g (W/Kg)	0.062713
SAR 1g (W/Kg)	0.116259

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1968	0.1230	0.0662	0.0358	0.0204



3D screen shot	Hot spot position
	

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

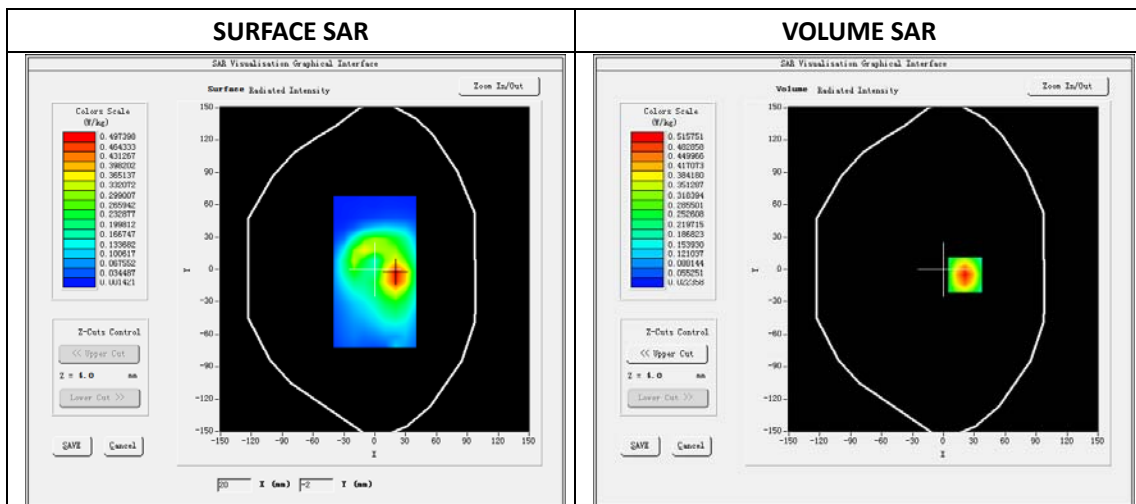
Type: Phone measurement
 Date of measurement: 08/28/2019
 Measurement duration: 22 minutes 18 seconds
 Mobile Phone IMEI number: --

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

B. SAR Measurement Results

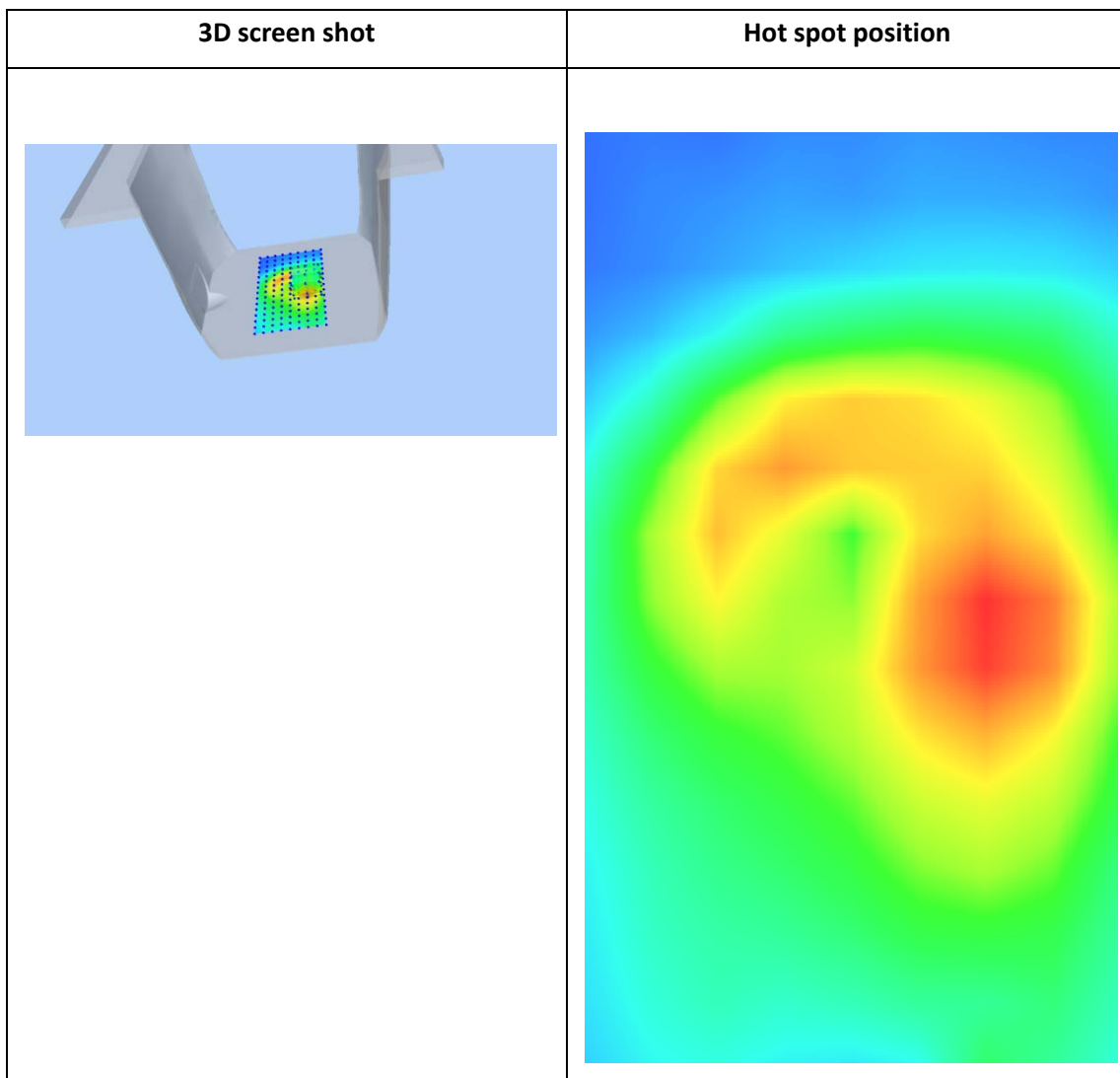
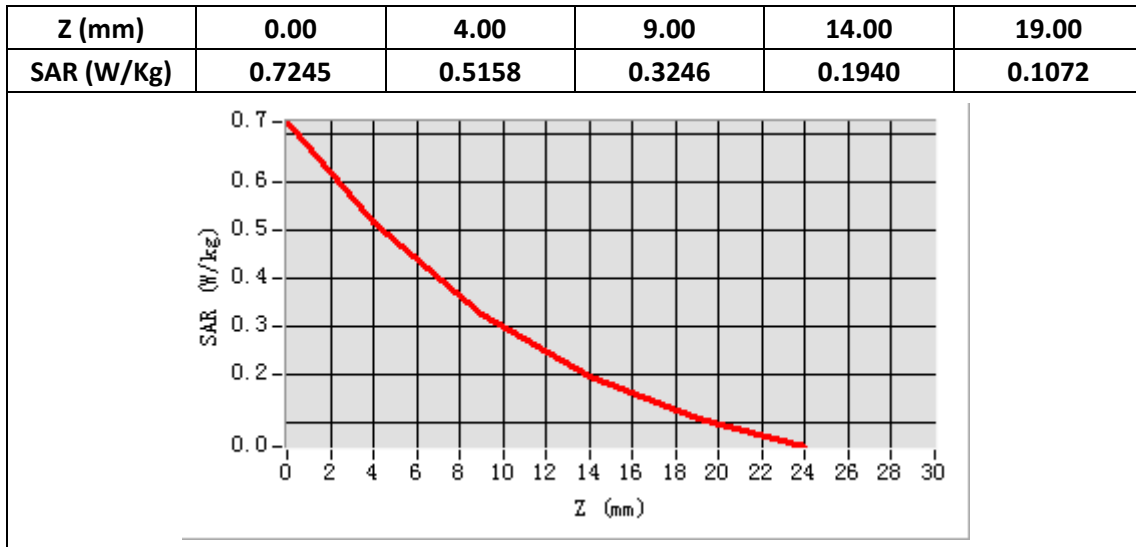
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.55
Relative permittivity (imaginary part)	14.49
Conductivity (S/m)	1.53
Variation (%)	-2.98
ConvF:	2.39



Maximum location: X=21.00, Y=-5.00

SAR Peak: 0.72W/kg

SAR 10g (W/Kg)	0.269583
SAR 1g (W/Kg)	0.477487



Plot 15: LTE Band4, 20MHz,Left Cheek, Middle

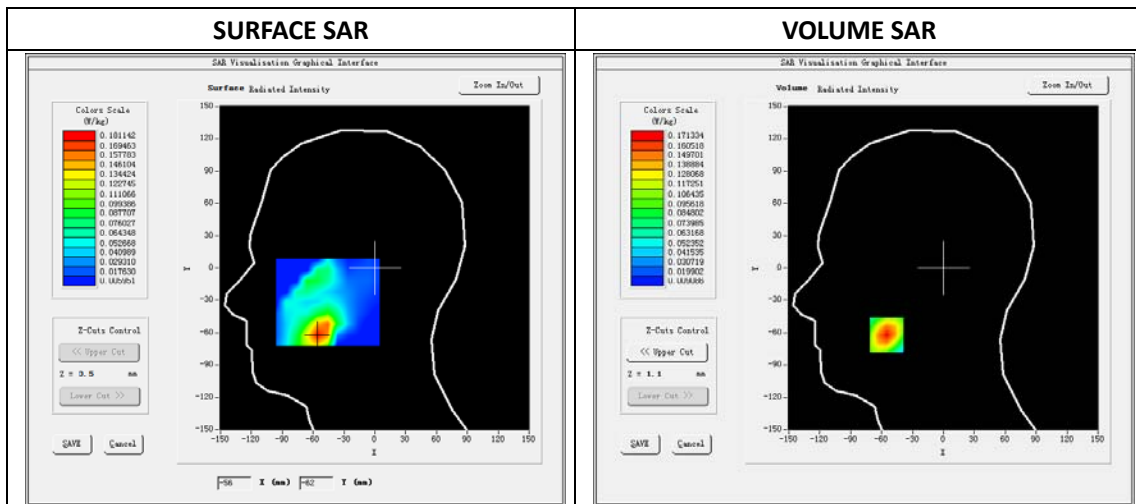
Type: Phone measurement
 Date of measurement: 08/27/2019
 Measurement duration: 22 minutes 21 econds
 Mobile Phone IMEI number: --

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)	40.91
Relative permittivity (imaginary part)	13.90
Conductivity (S/m)	1.39
Variation (%)	-2.03
ConvF:	2.14

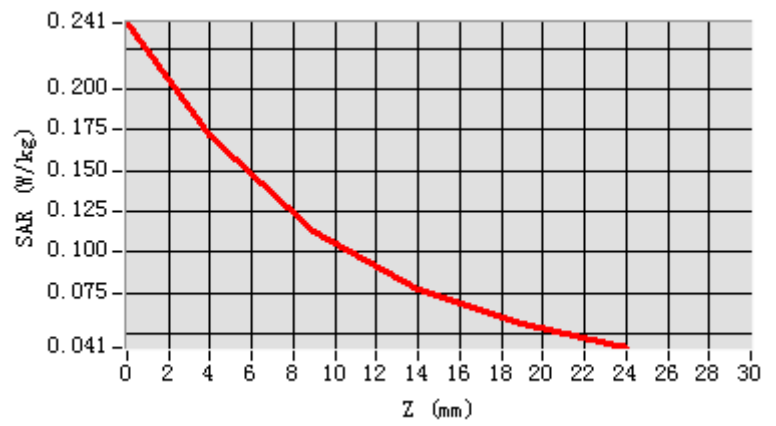


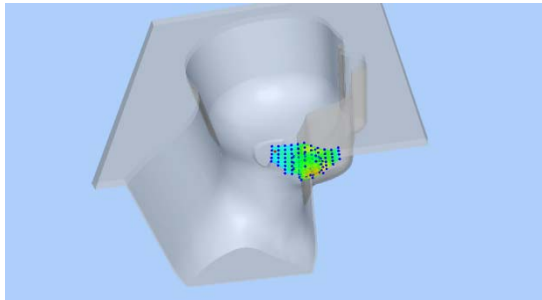
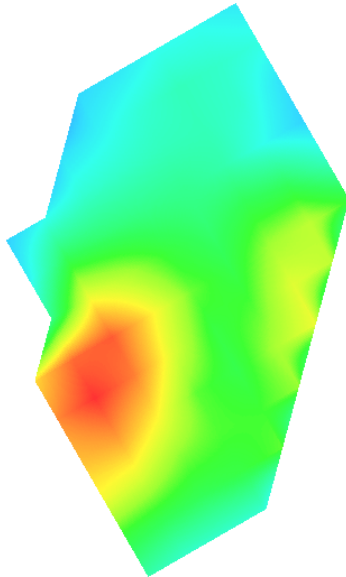
Maximum location: X=-55.00, Y=-62.00

SAR Peak: 0.24 W/kg

SAR 10g (W/Kg)	0.099695
SAR 1g (W/Kg)	0.163970

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2407	0.1713	0.1127	0.0769	0.0558



3D screen shot	Hot spot position
	

Plot 16: LTE Band4, 20MHz, Back, Middle,10mm

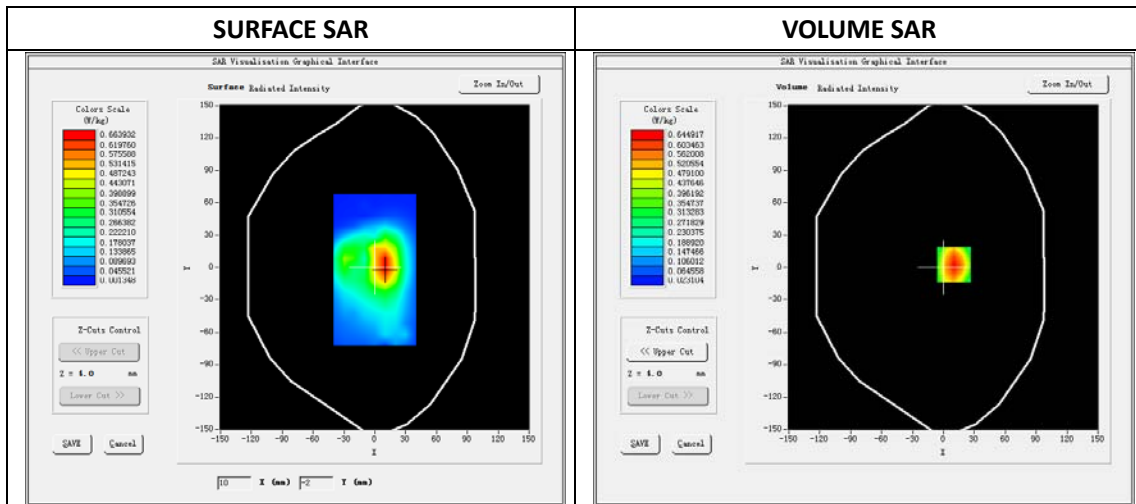
Type: Phone measurement
 Date of measurement: 08/27/2019
 Measurement duration: 22 minutes 23 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

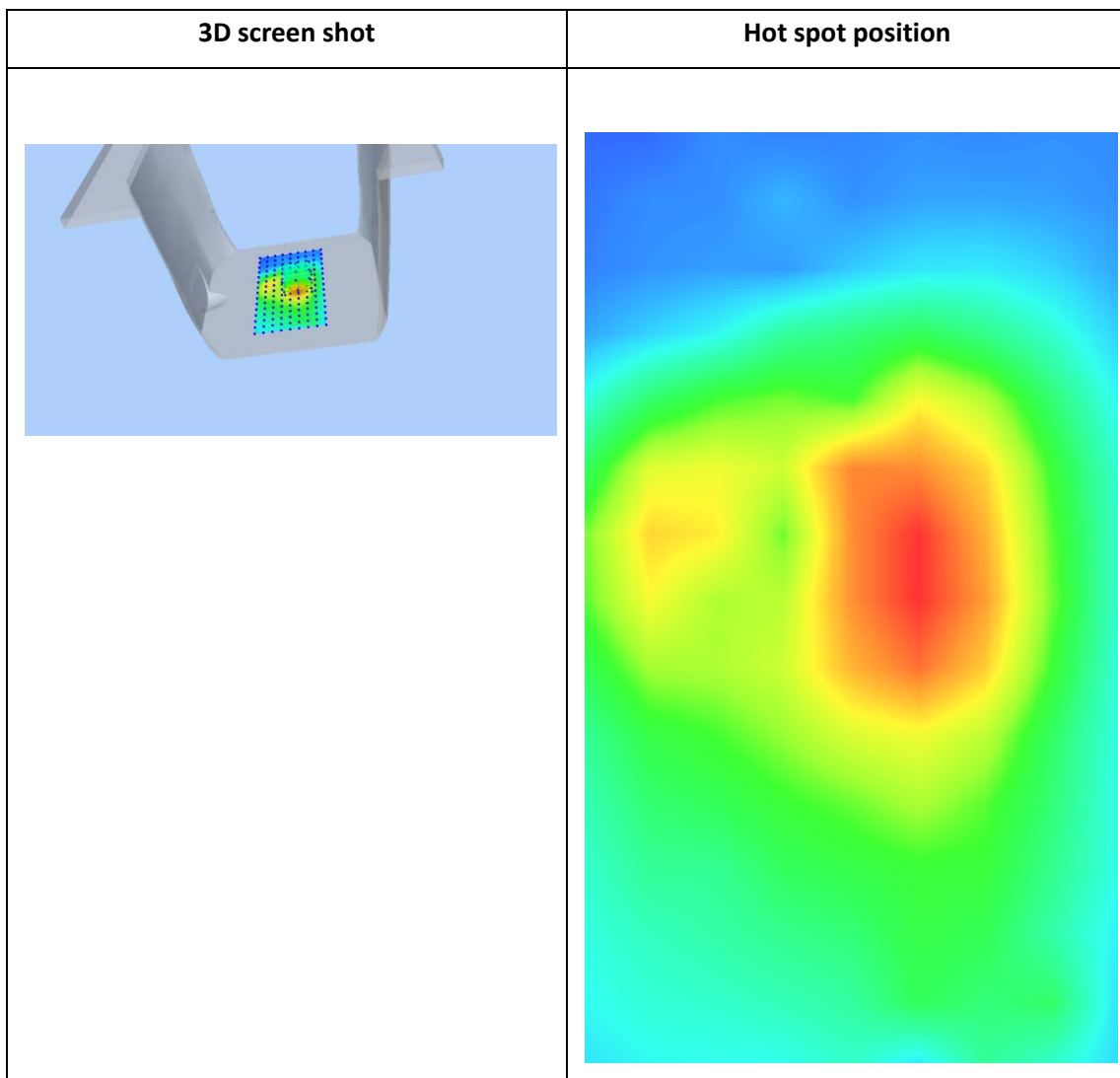
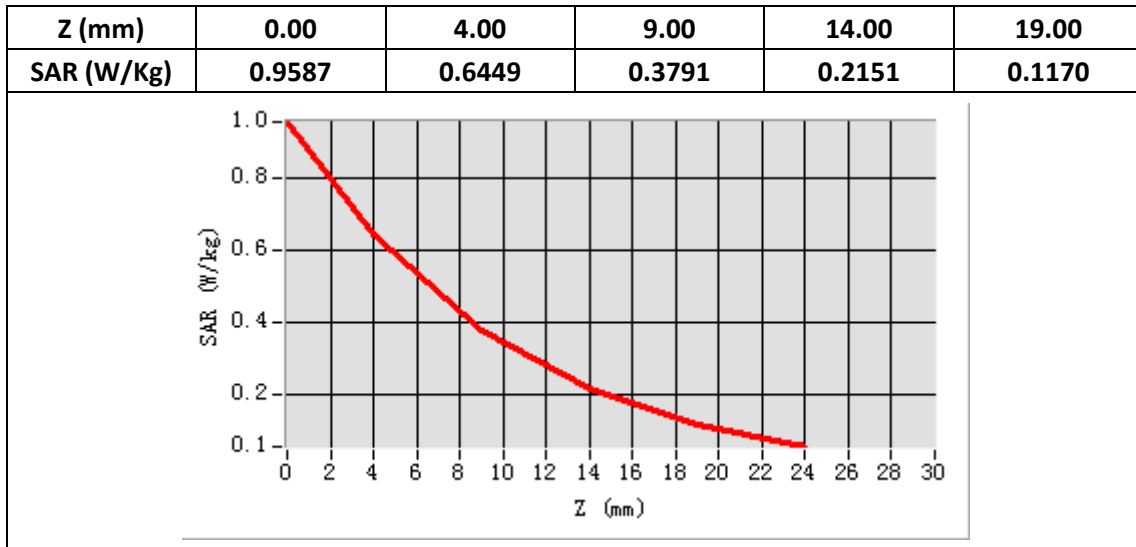
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.5
Relative permittivity (real part)	53.79
Relative permittivity (imaginary part)	15.10
Conductivity (S/m)	1.51
Variation (%)	-4.11
ConvF:	2.22



Maximum location: X=10.00, Y=3.00

SAR Peak: 0.96W/kg

SAR 10g (W/Kg)	0.348613
SAR 1g (W/Kg)	0.606088



Plot 17: LTE Band5, 10MHz, Right Cheek, Middle

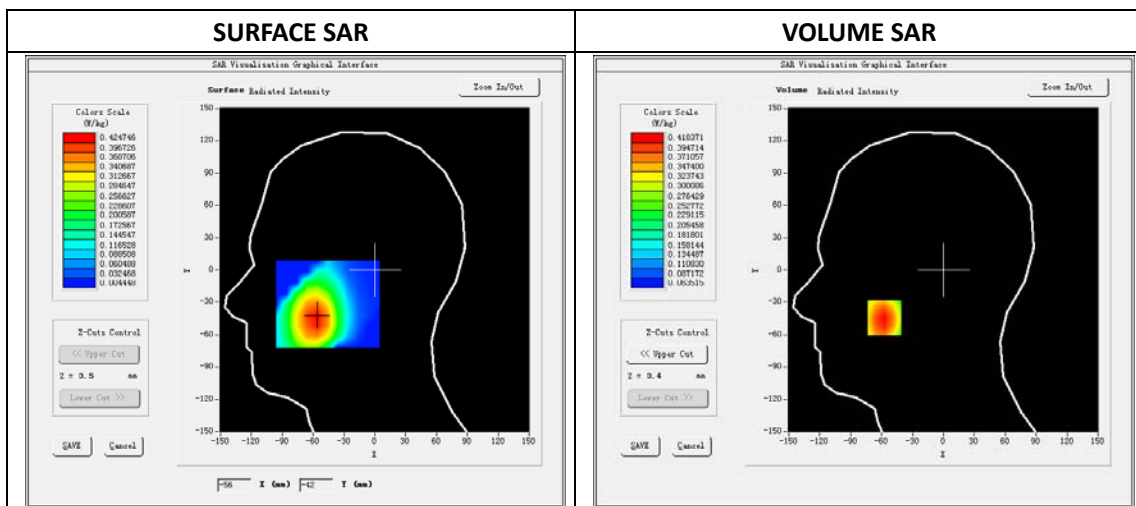
Type: Phone measurement
 Date of measurement: 08/26/2019
 Measurement duration: 22 minutes 20 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	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)	41.47
Relative permittivity (imaginary part)	20.48
Conductivity (S/m)	0.95
Variation (%)	-2.18
ConvF:	1.92

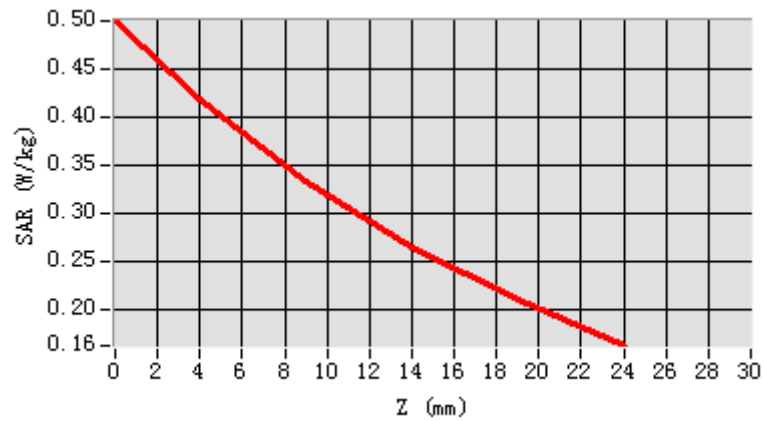


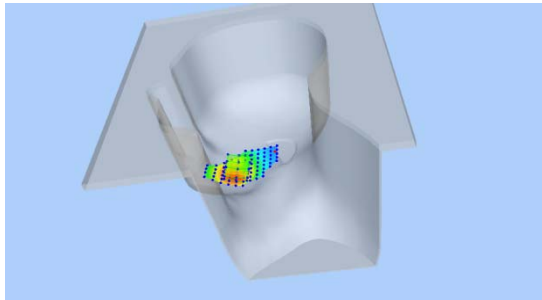
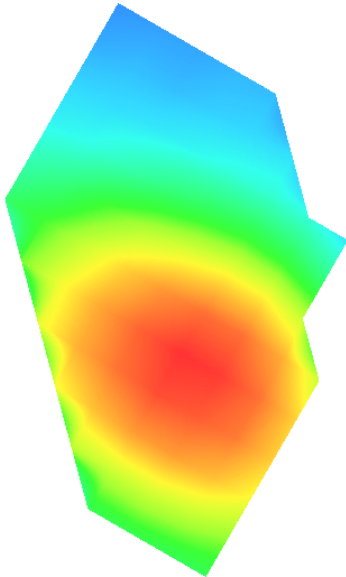
Maximum location: X=-57.00, Y=-44.00

SAR Peak: 0.51 W/kg

SAR 10g (W/Kg)	0.301469
SAR 1g (W/Kg)	0.404625

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4990	0.4184	0.3340	0.2656	0.2099



3D screen shot	Hot spot position
	

Plot 18: LTE Band5, 10MHz, Back, Middle,10mm

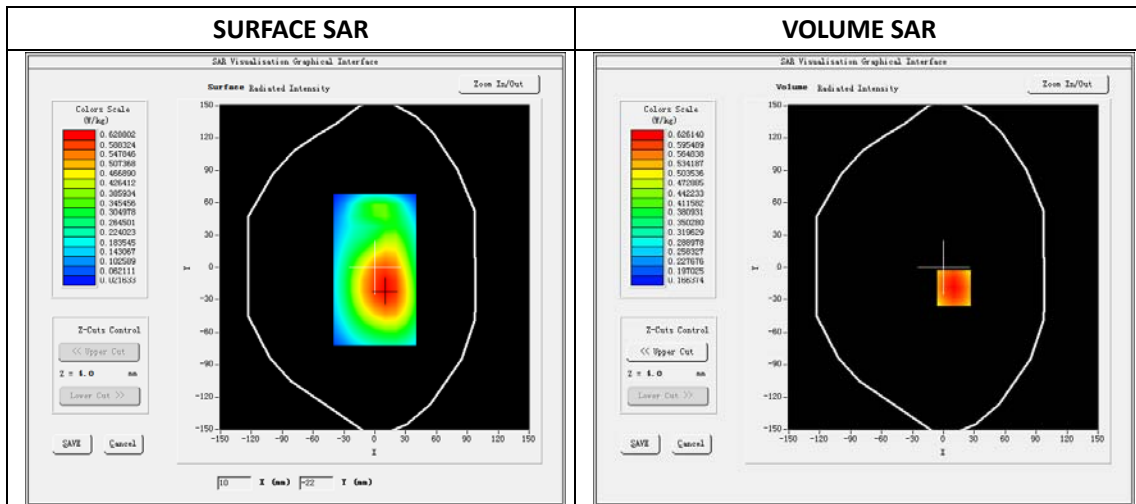
Type: Phone measurement
 Date of measurement: 08/26/2019
 Measurement duration: 22 minutes 22 seconds
 Mobile Phone IMEI number: --

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)	55.50
Relative permittivity (imaginary part)	20.91
Conductivity (S/m)	0.97
Variation (%)	-3.11
ConvF:	1.99

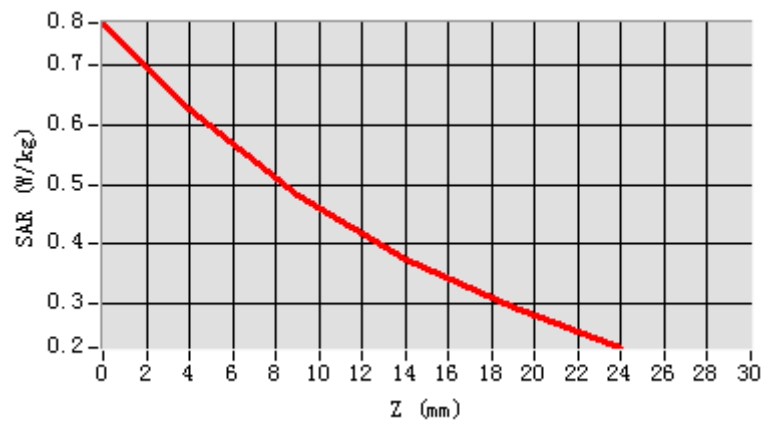


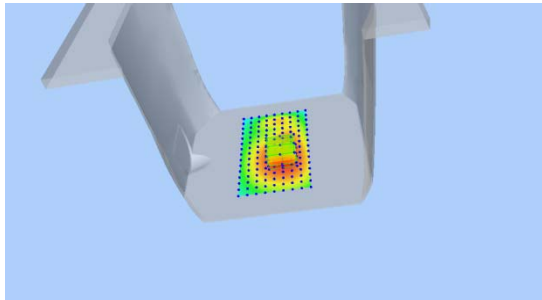
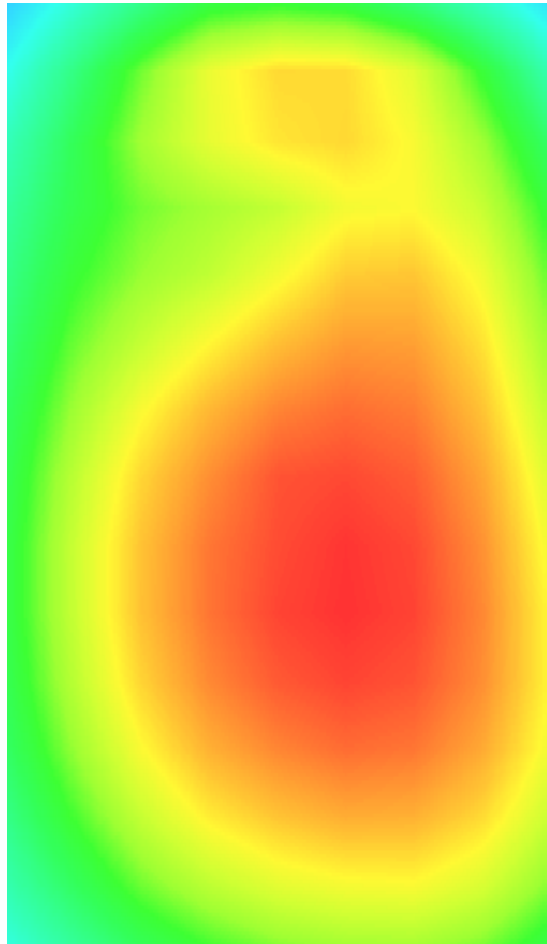
Maximum location: X=10.00, Y=-19.00

SAR Peak: 0.77W/kg

SAR 10g (W/Kg)	0.457581
SAR 1g (W/Kg)	0.616036

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.7712	0.6261	0.4828	0.3747	0.2930



3D screen shot	Hot spot position
	

Plot 19: LTE Band7, 20MHz, Left Cheek, Middle

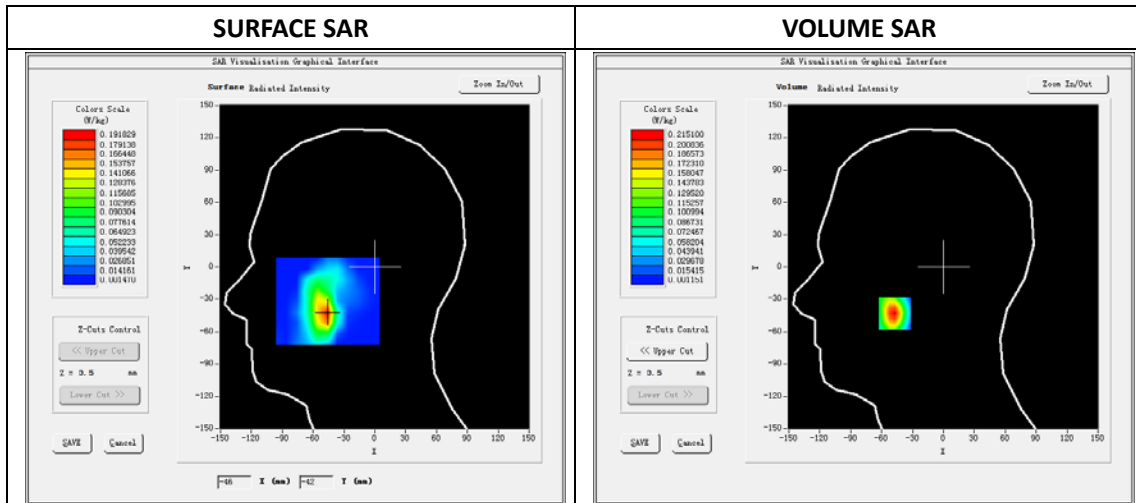
Type: Phone measurement
 Date of measurement: 08/30/2019
 Measurement duration: 22 minutes 25 seconds
 Mobile Phone IMEI number: --

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	LTE Band 7
Channels	21350
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

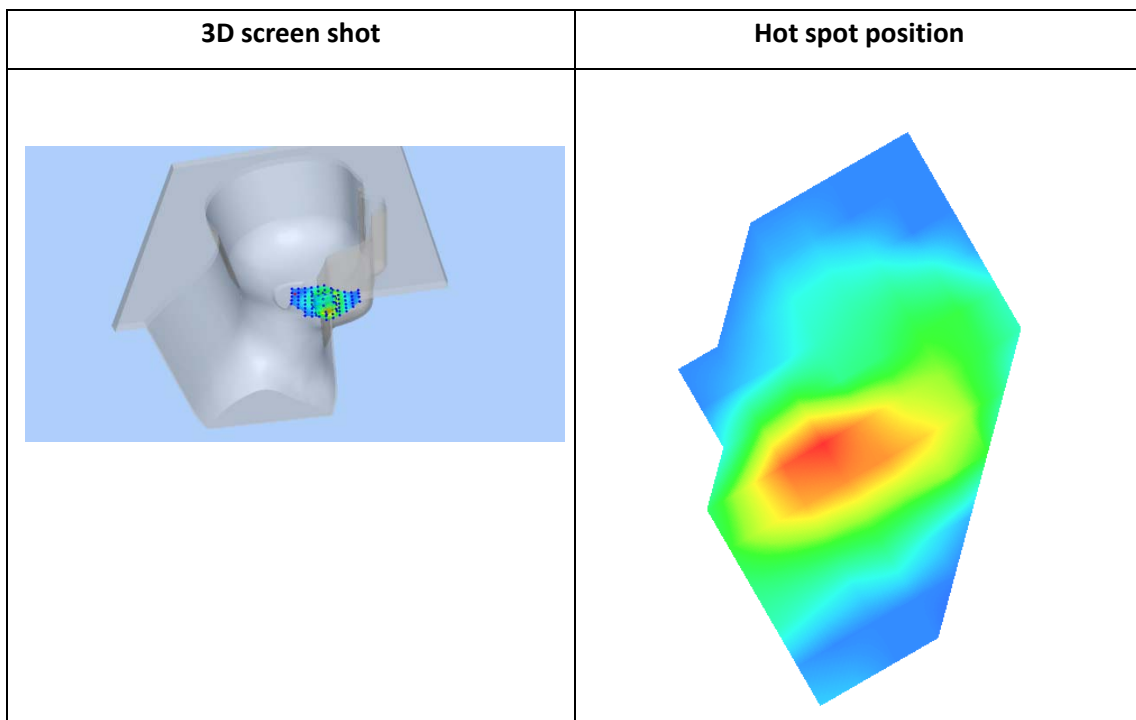
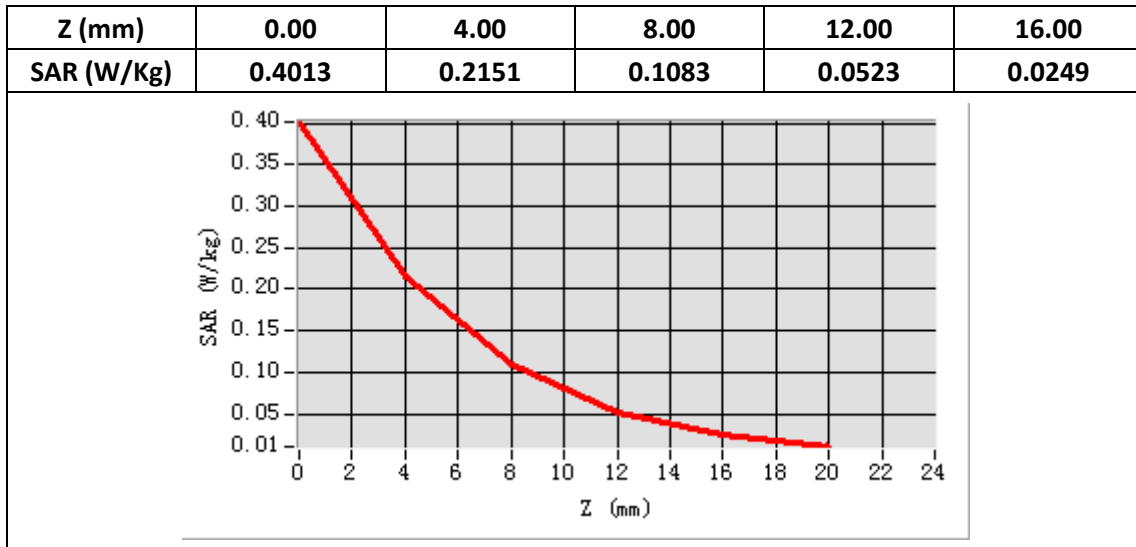
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2560
Relative permittivity (real part)	40.00
Relative permittivity (imaginary part)	13.43
Conductivity (S/m)	1.94
Variation (%)	0.06
ConvF:	2.35



Maximum location: X=-47.00 Y=-43.00

SAR Peak: 0.40W/kg

SAR 10g (W/Kg)	0.085561
SAR 1g (W/Kg)	0.197834



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

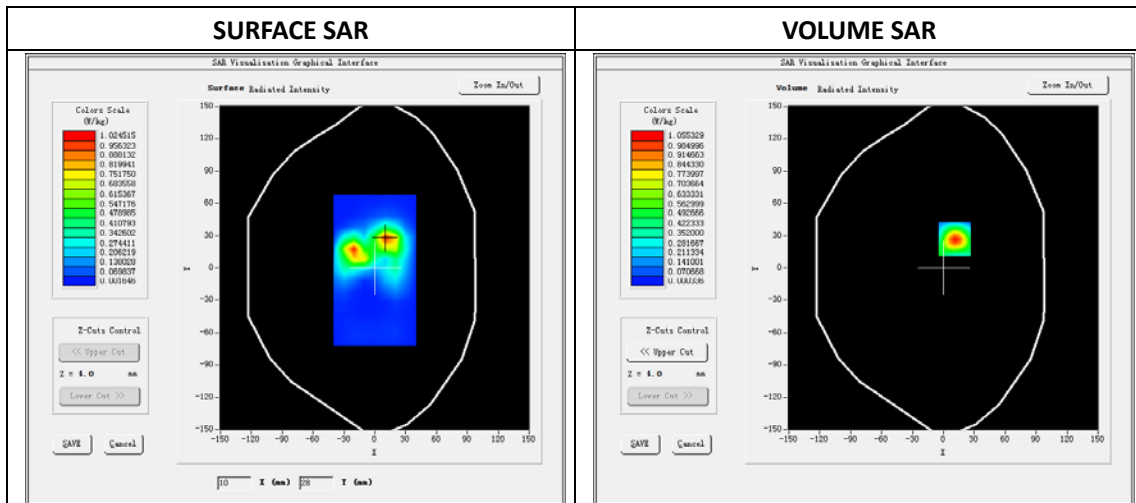
Type: Phone measurement
 Date of measurement: 08/30/2019
 Measurement duration: 22 minutes 16 seconds
 Mobile Phone IMEI number: --

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

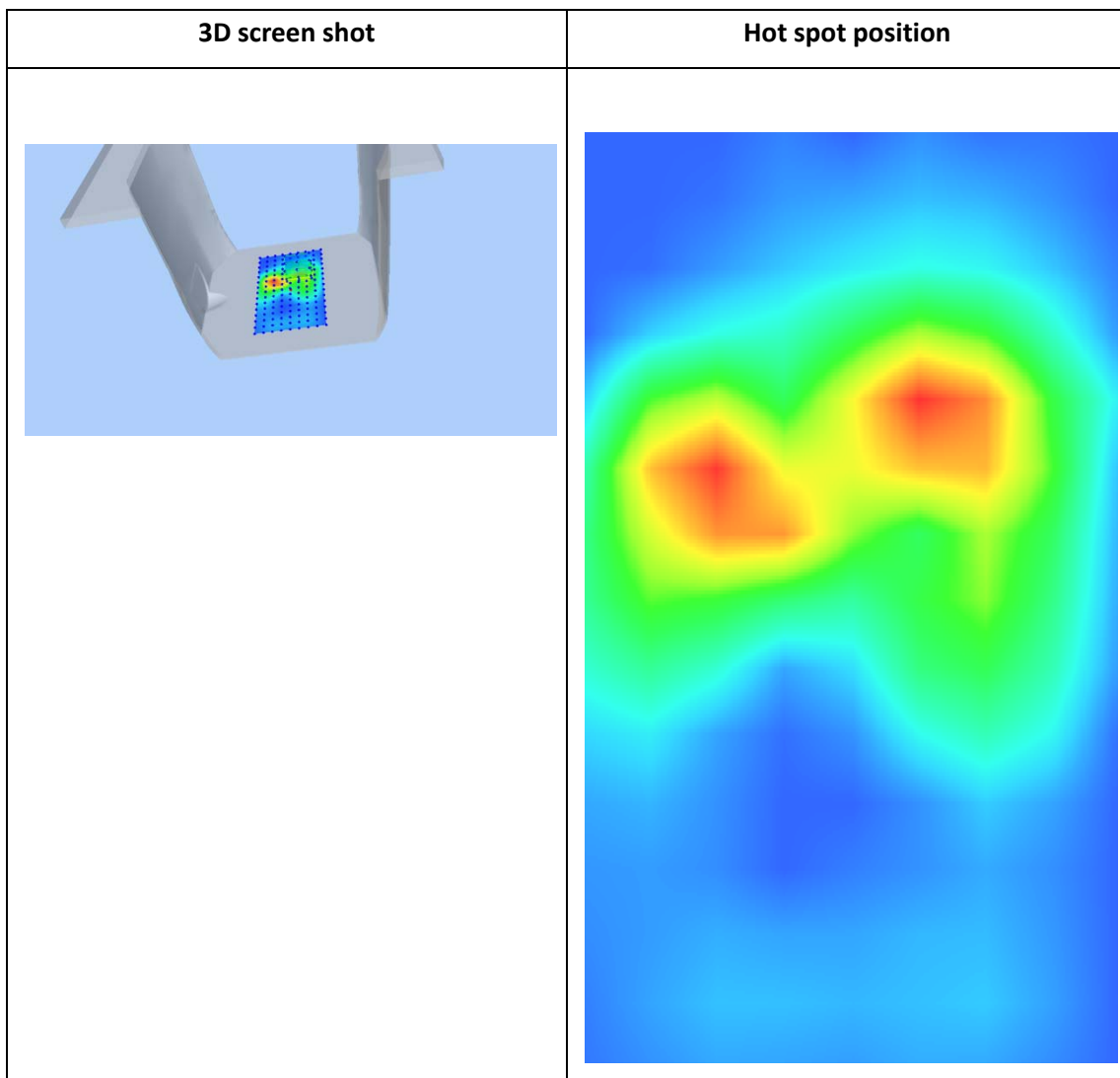
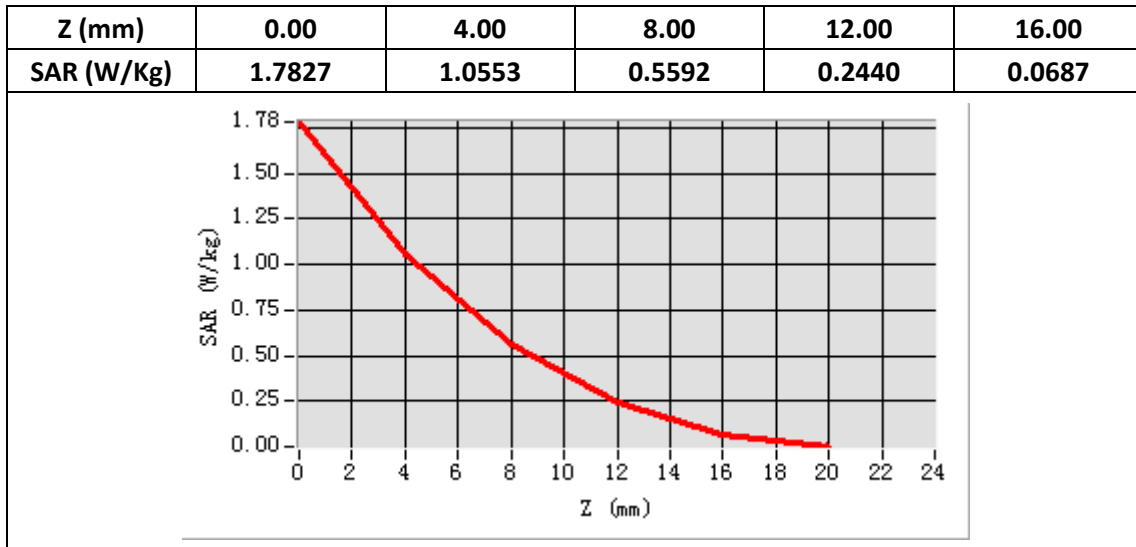
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2560
Relative permittivity (real part)	52.60
Relative permittivity (imaginary part)	14.88
Conductivity (S/m)	2.15
Variation (%)	-2.35
ConvF:	2.43



Maximum location: X=11.00 Y=27.00

SAR Peak: 1.79 W/kg

SAR 10g (W/Kg)	0.377506
SAR 1g (W/Kg)	0.917632



Plot 21: LTE Band7, 20MHz, Edge C, Middle,10mm

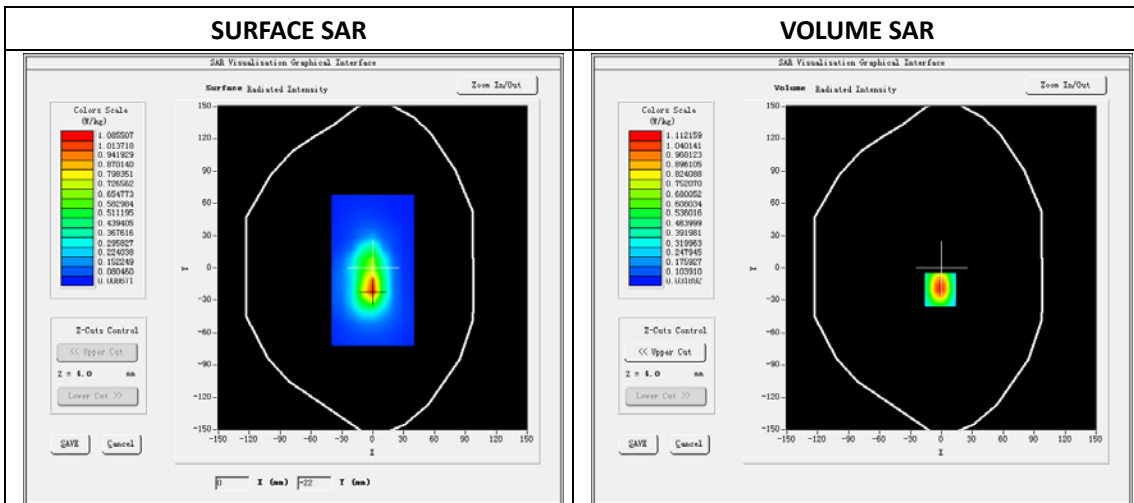
Type: Phone measurement
 Date of measurement: 08/30/2019
 Measurement duration: 22 minutes 27 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

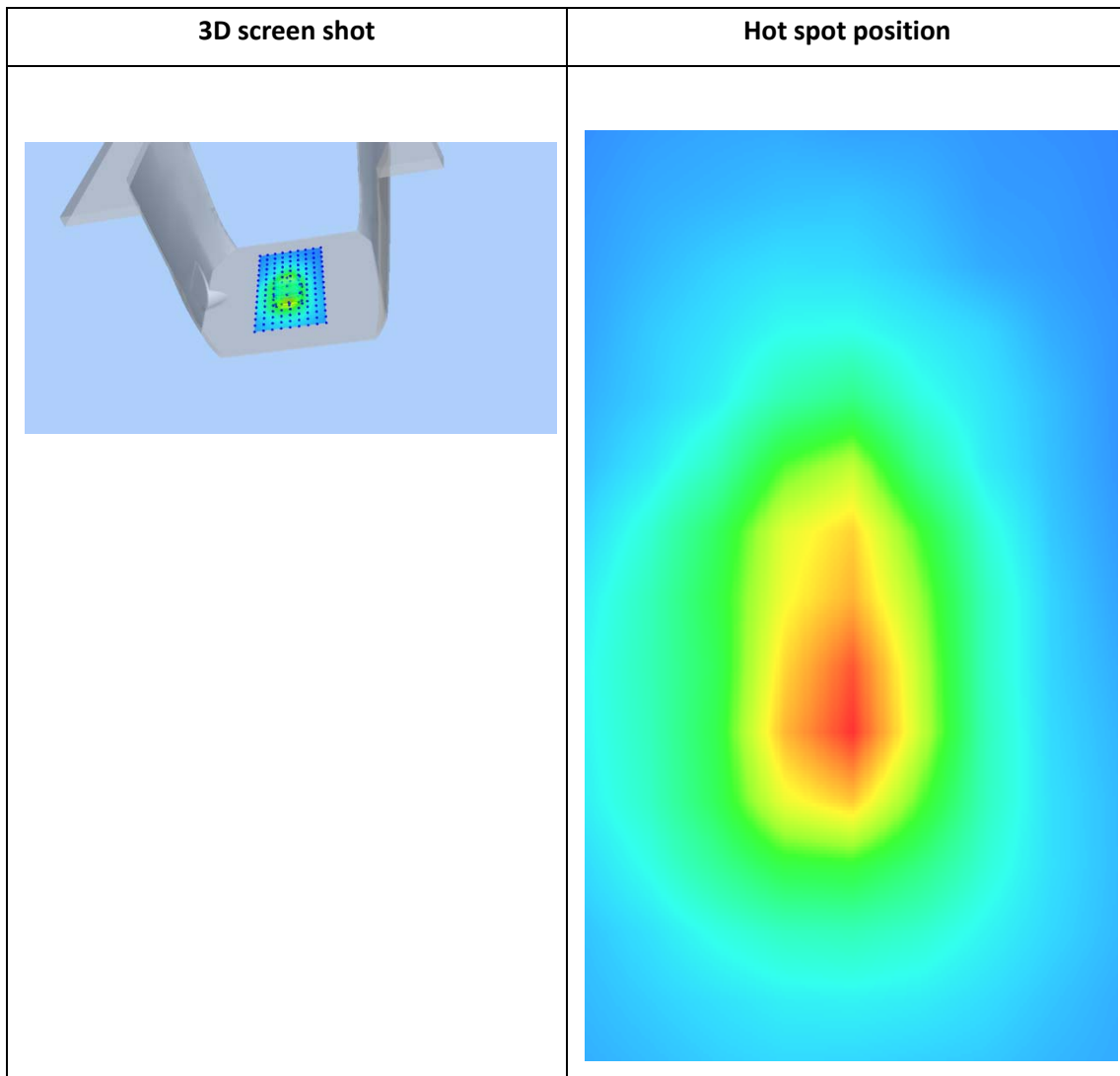
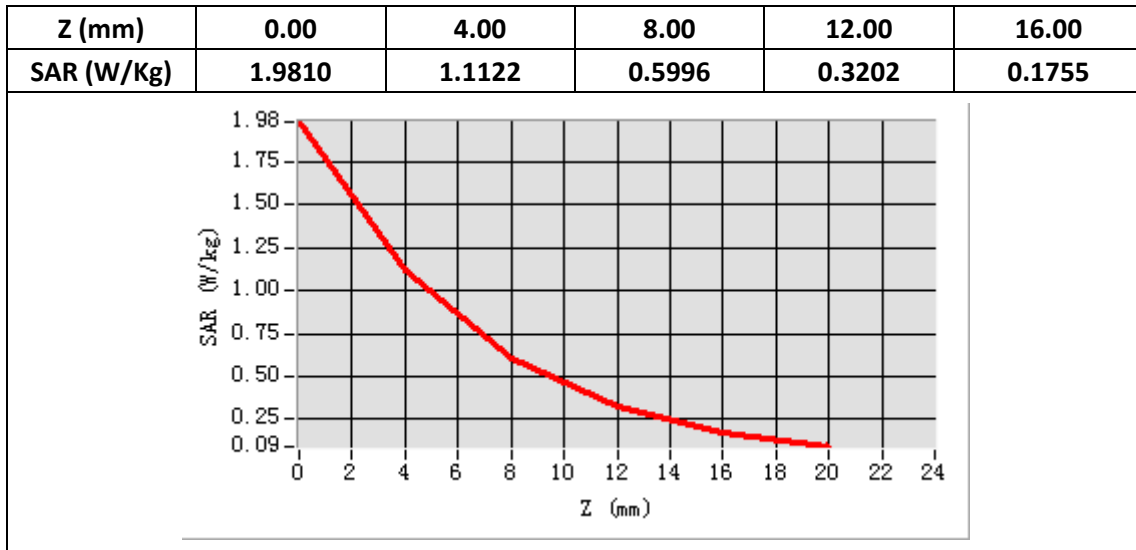
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2560
Relative permittivity (real part)	52.60
Relative permittivity (imaginary part)	14.88
Conductivity (S/m)	2.15
Variation (%)	-2.68
ConvF:	2.43



Maximum location: X=-1.00 Y=-20.00

SAR Peak: 1.99 W/kg

SAR 10g (W/Kg)	0.470836
SAR 1g (W/Kg)	1.009304



Plot 22: LTE Band66, 20MHz,Right Cheek, Middle

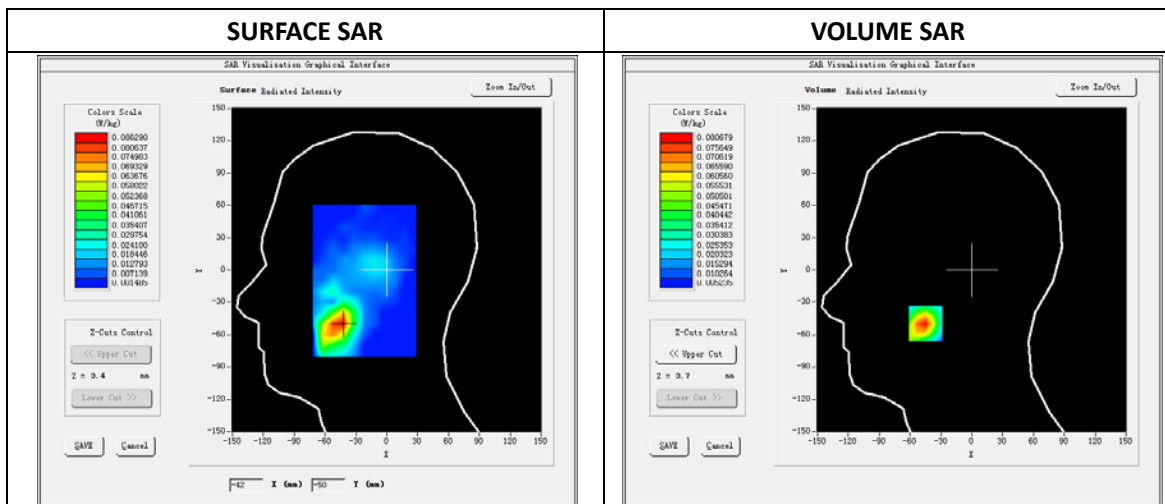
Type: Phone measurement
 Date of measurement: 08/27/2019
 Measurement duration: 22 minutes 24 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

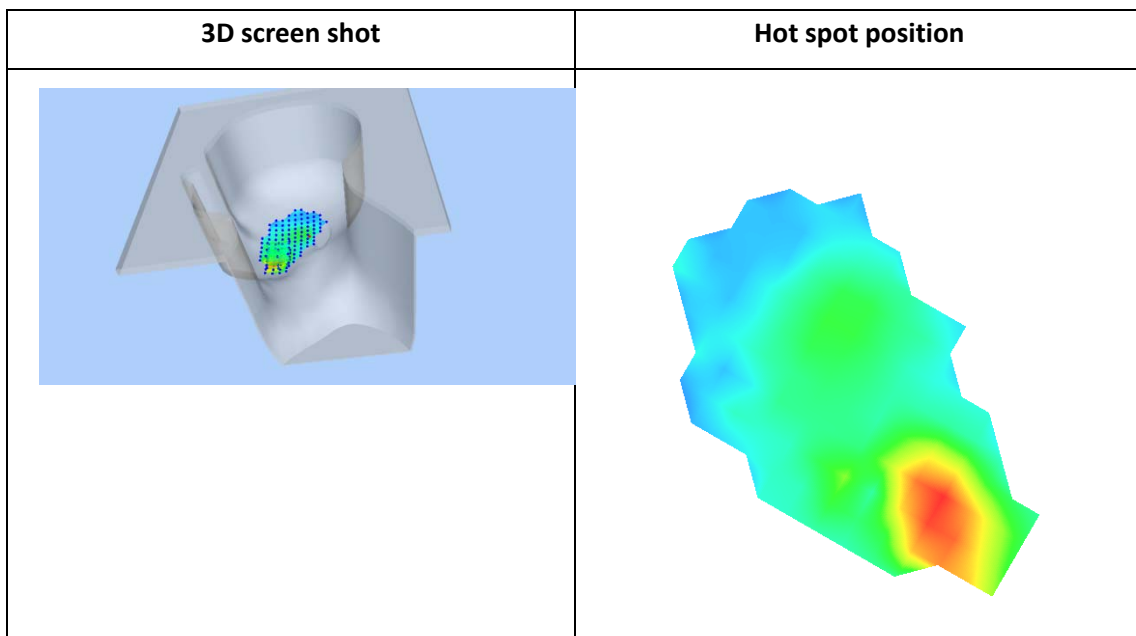
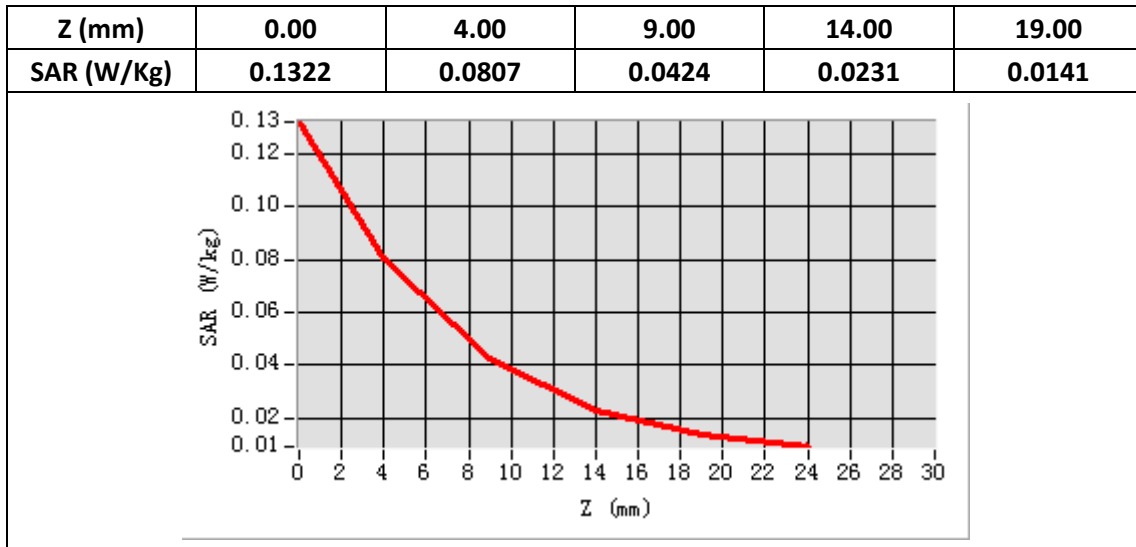
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.5
Relative permittivity (real part)	40.91
Relative permittivity (imaginary part)	13.90
Conductivity (S/m)	1.39
Variation (%)	-2.78
ConvF:	2.14



Maximum location: X=-45.00, Y=-50.00

SAR Peak: 0.13W/kg

SAR 10g (W/Kg)	0.039679
SAR 1g (W/Kg)	0.076974



Plot 23: LTE Band66, 20MHz, Back, Middle,10mm

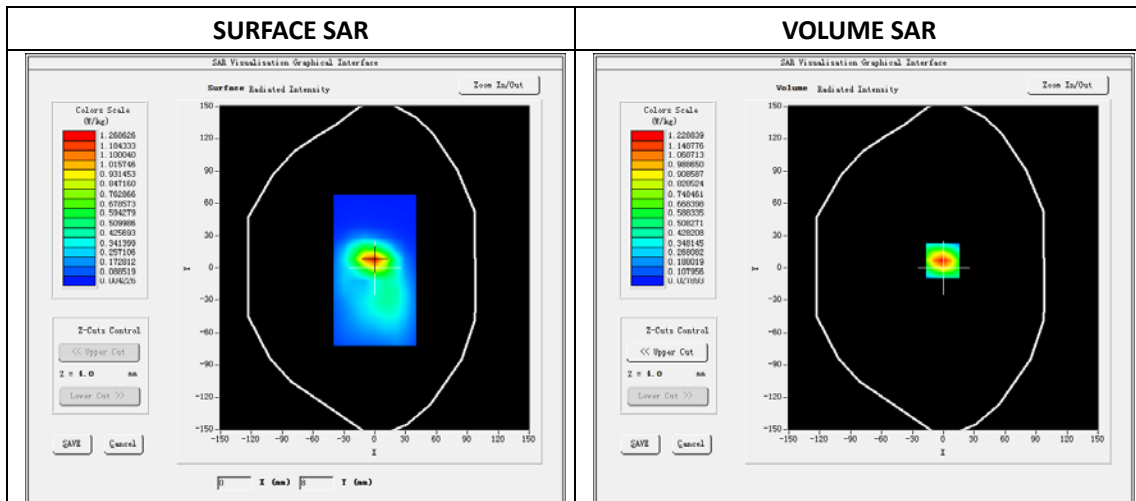
Type: Phone measurement
 Date of measurement: 08/27/2019
 Measurement duration: 22 minutes 28 seconds
 Mobile Phone IMEI number: --

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 66
Channels	132197
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

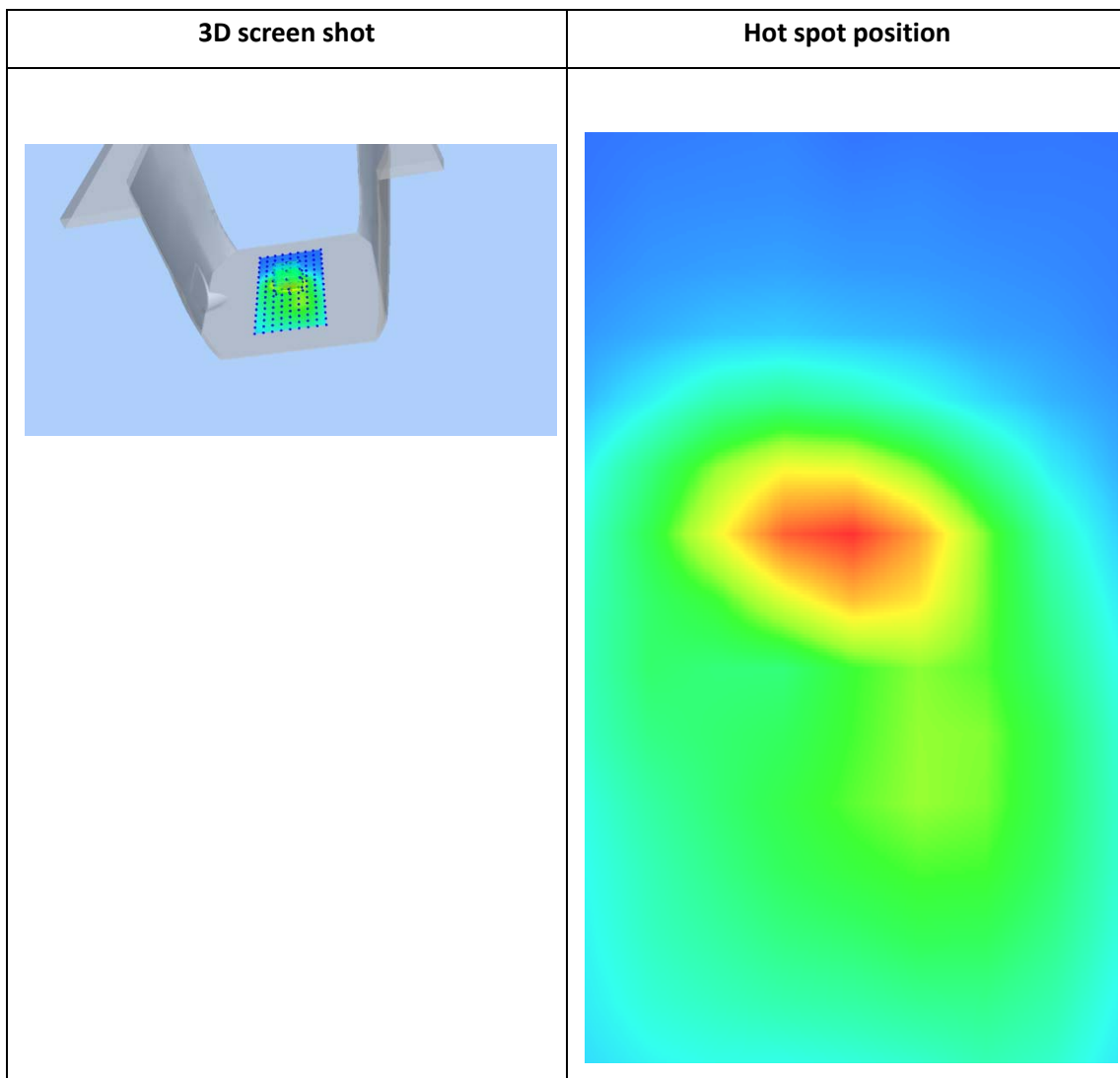
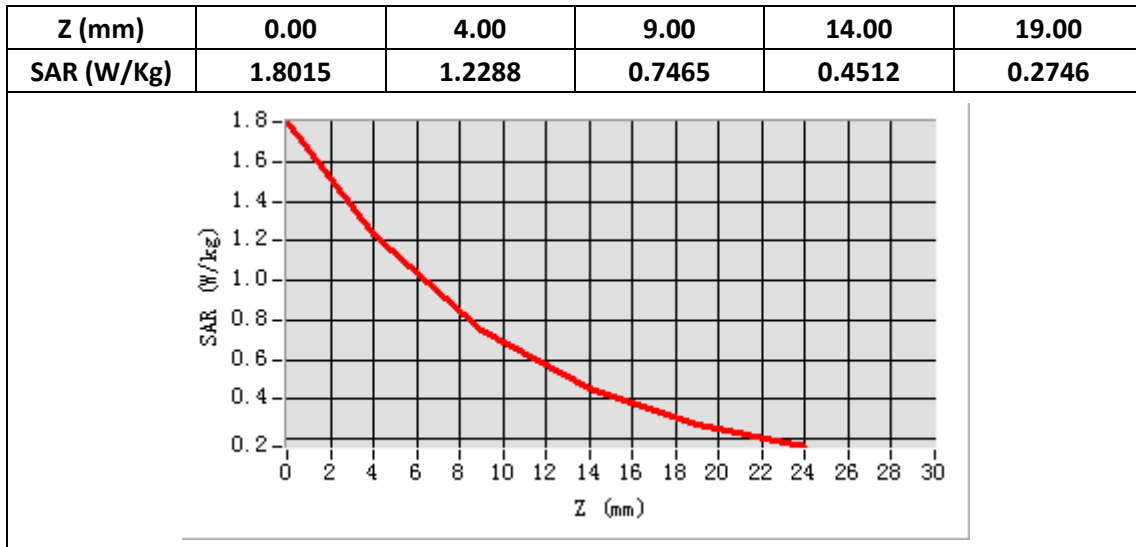
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.5
Relative permittivity (real part)	53.79
Relative permittivity (imaginary part)	15.10
Conductivity (S/m)	1.51
Variation (%)	-1.25
ConvF:	2.22



Maximum location: X=-1.00, Y=7.00

SAR Peak: 1.81W/kg

SAR 10g (W/Kg)	0.596233
SAR 1g (W/Kg)	1.123063



Plot 24: LTE Band66, 20MHz, Edge C, Middle,10mm

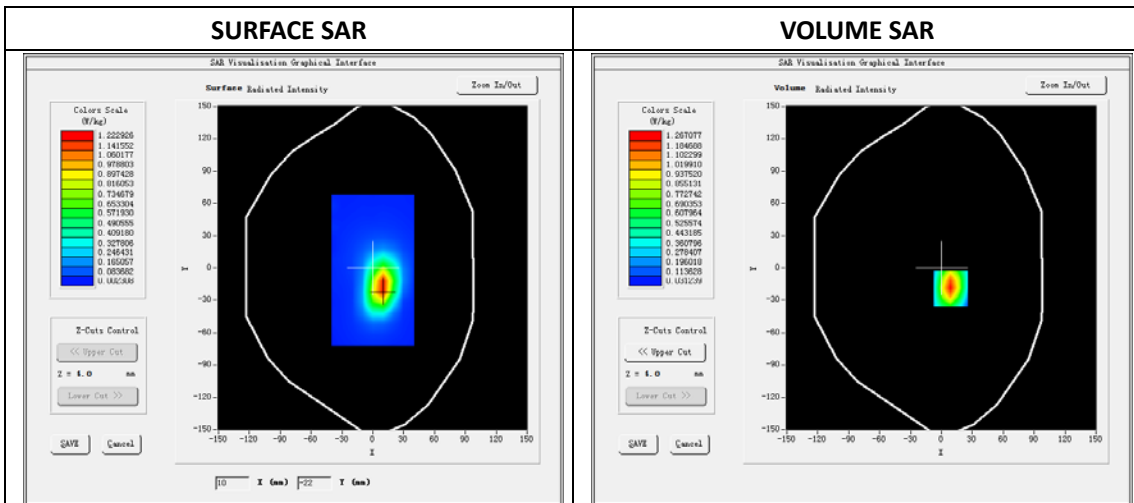
Type: Phone measurement
 Date of measurement: 08/27/2019
 Measurement duration: 22 minutes 14 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

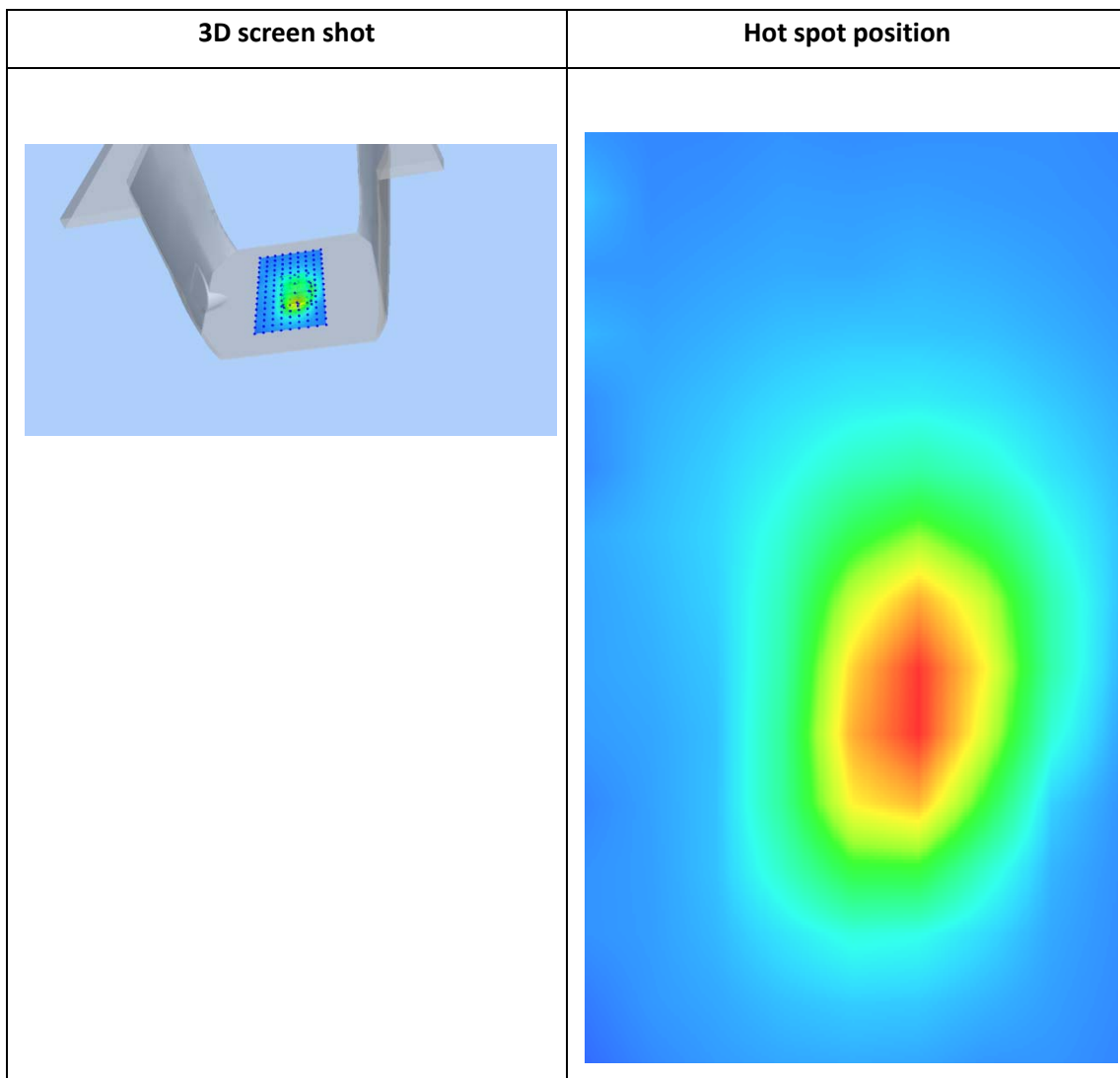
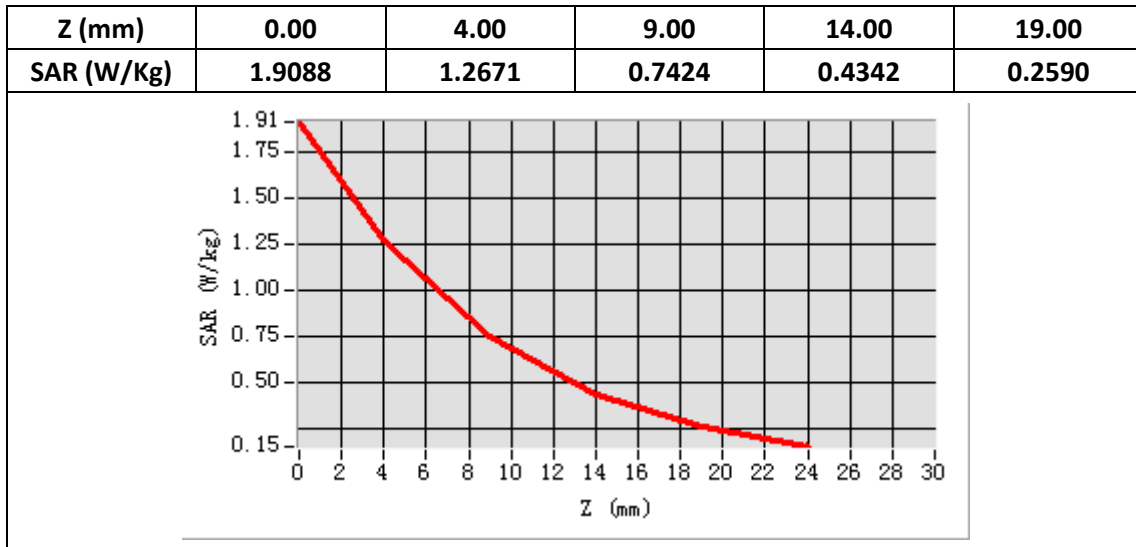
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.5
Relative permittivity (real part)	53.79
Relative permittivity (imaginary part)	15.10
Conductivity (S/m)	1.51
Variation (%)	4.74
ConvF:	2.22



Maximum location: X=9.00, Y=-19.00

SAR Peak: 1.92W/kg

SAR 10g (W/Kg)	0.603531
SAR 1g (W/Kg)	1.158494



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

Type: Phone measurement

Date of measurement: 08/29/2019

Measurement duration: 22 minutes 32 seconds

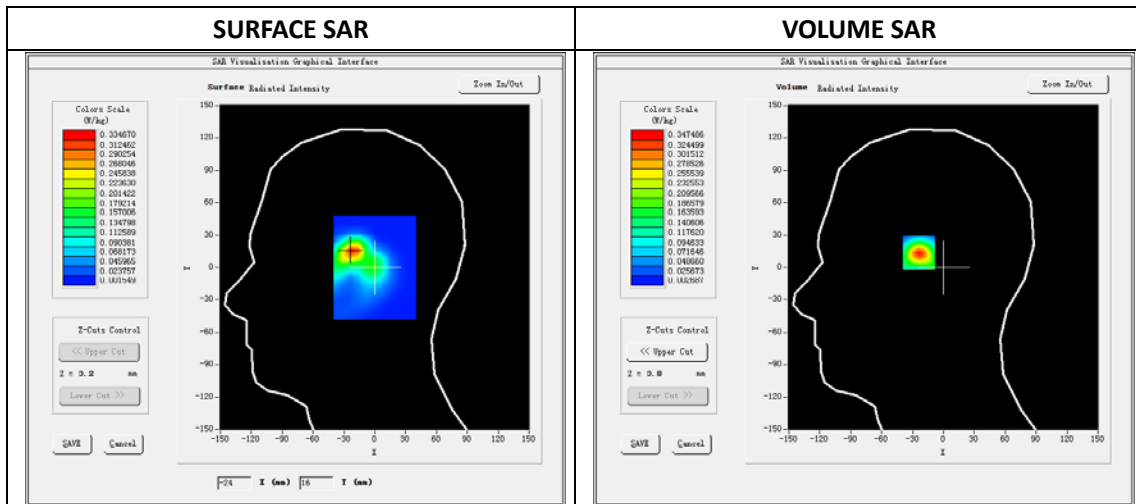
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

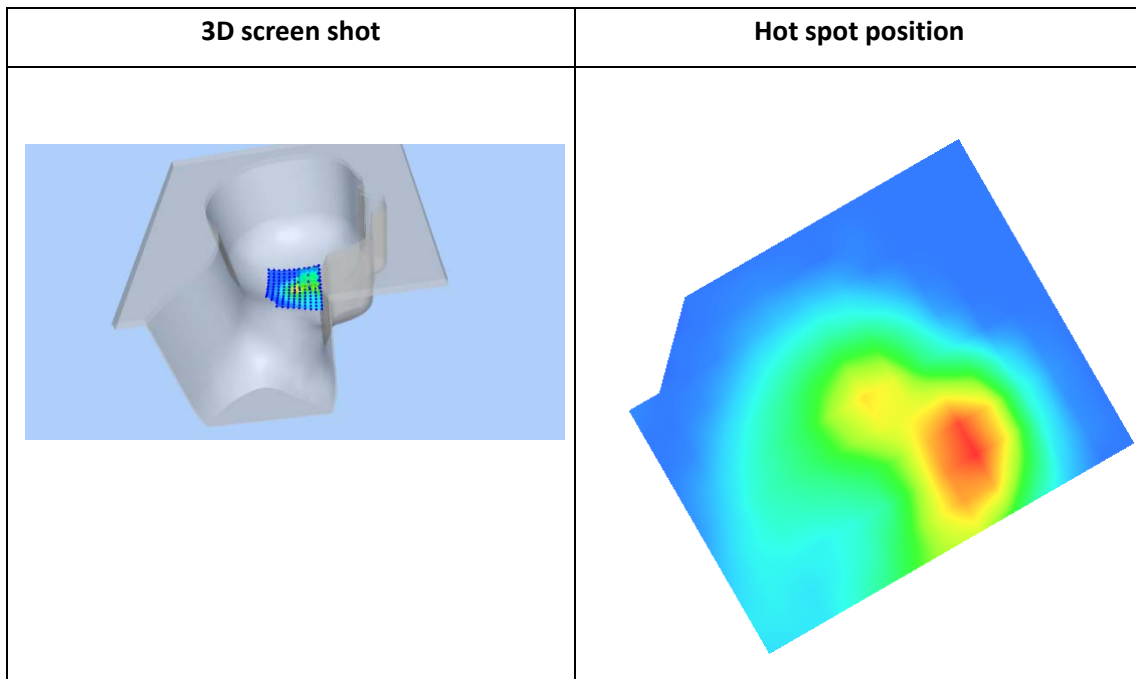
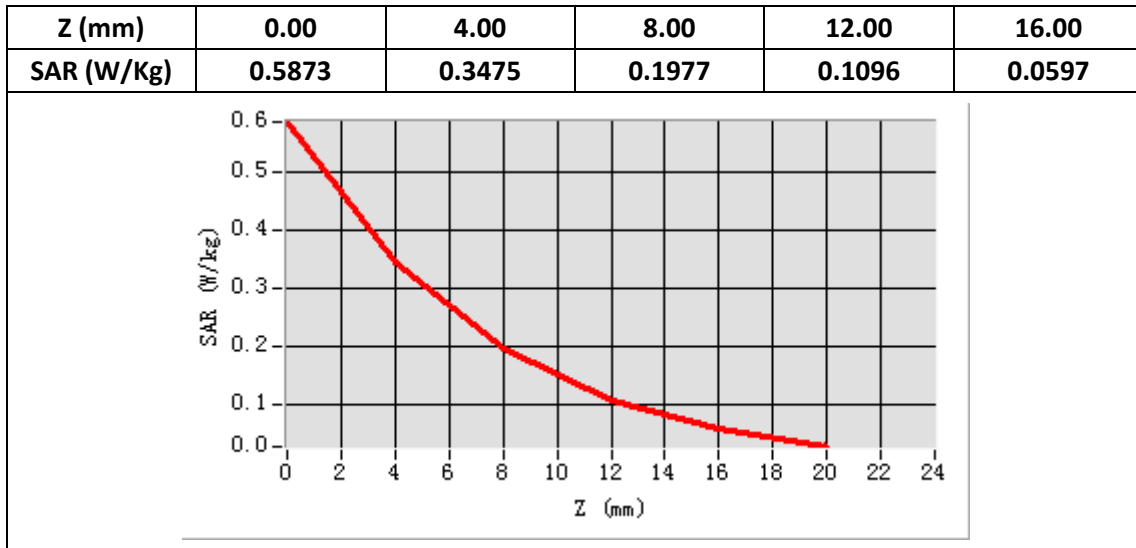
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2437
Relative permittivity (real part)	40.21
Relative permittivity (imaginary part)	13.30
Conductivity (S/m)	1.81
Variation (%)	0.87
ConvF:	2.37



Maximum location: X=-23.00 Y=15.00

SAR Peak: 0.59 W/kg

SAR 10g (W/Kg)	0.137666
SAR 1g (W/Kg)	0.309079



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

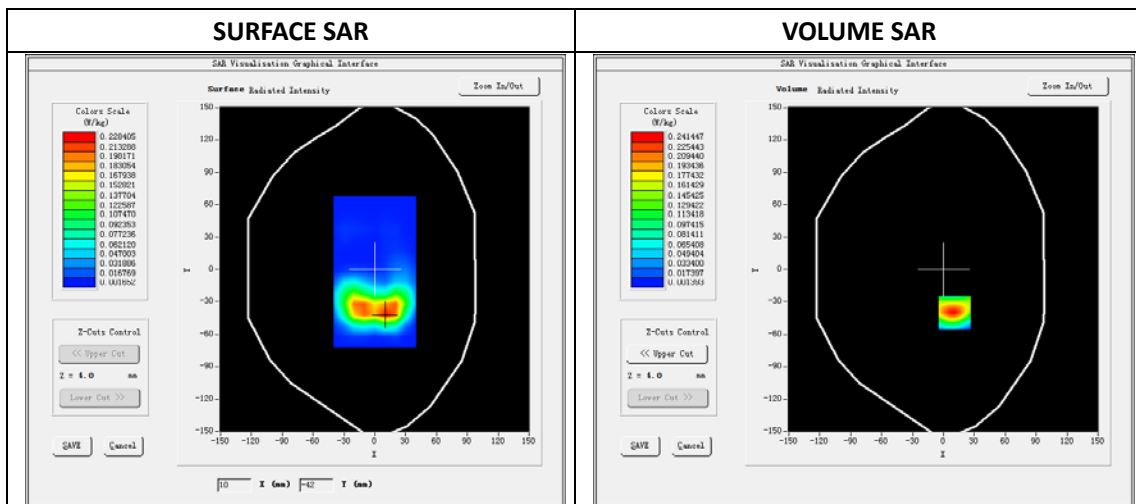
Type: Phone measurement
 Date of measurement: 08/29/2019
 Measurement duration: 22 minutes 34 seconds
 Mobile Phone IMEI number: --

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

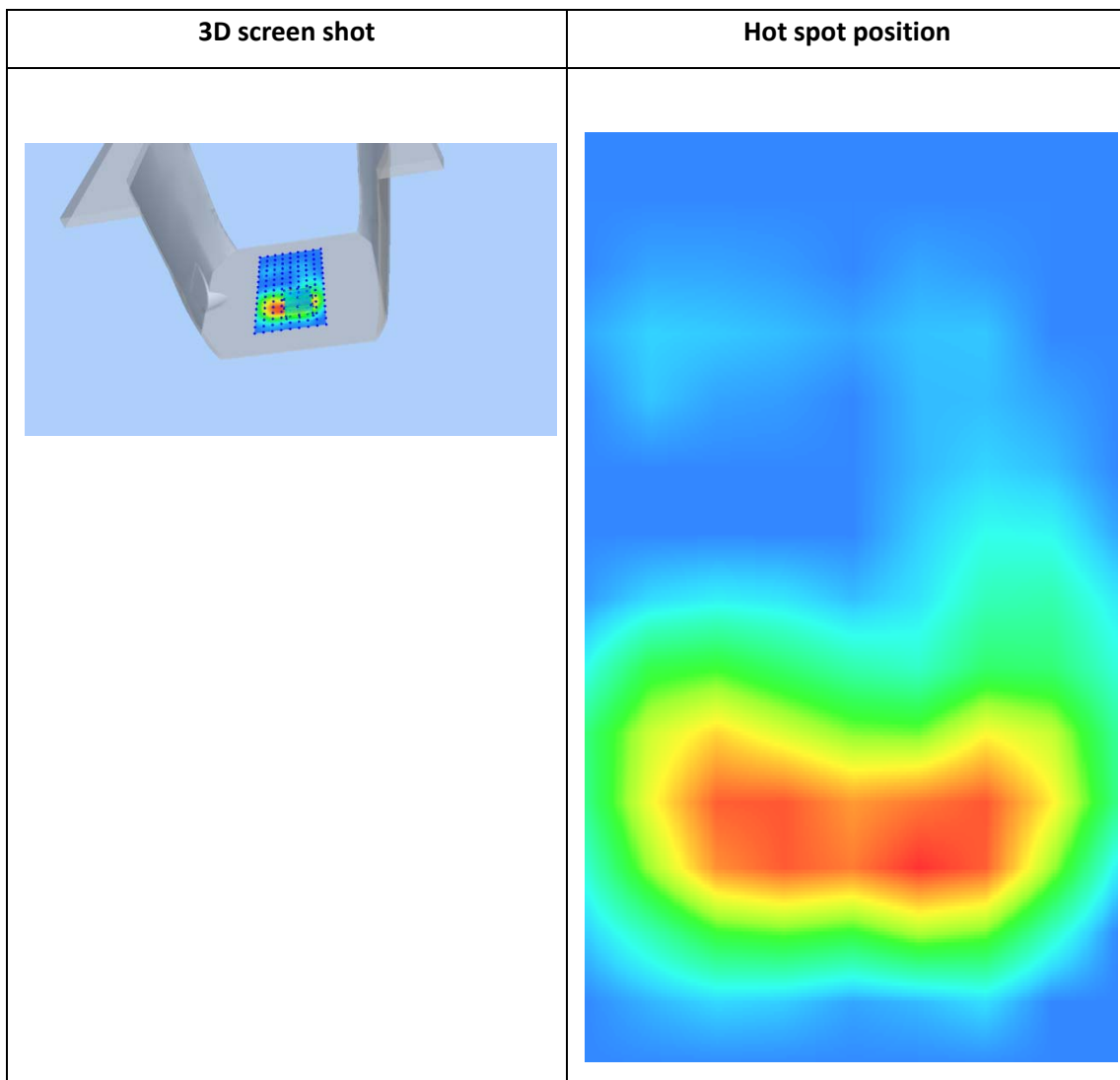
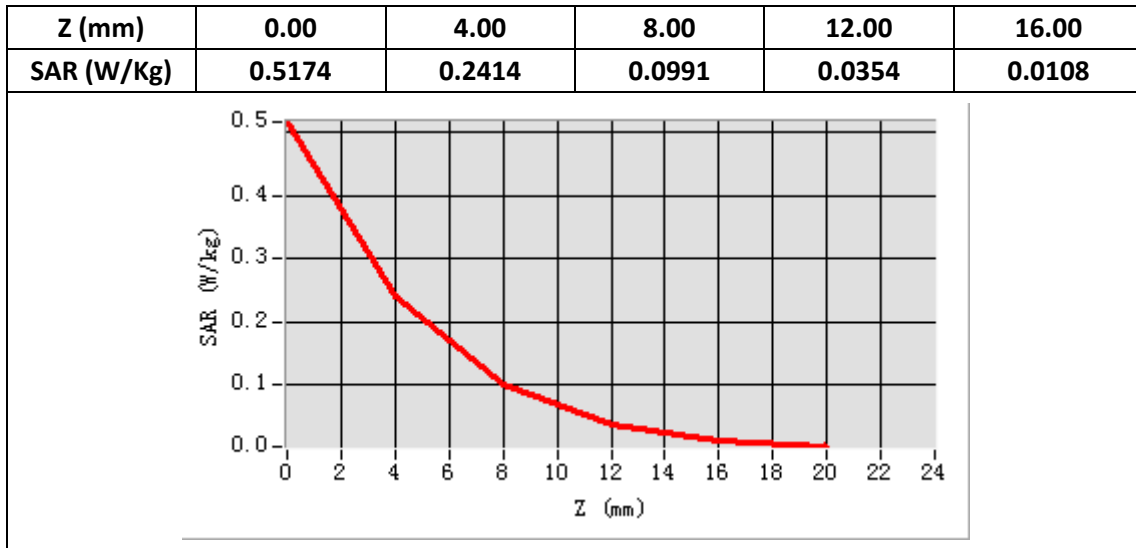
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2437
Relative permittivity (real part)	52.82
Relative permittivity (imaginary part)	14.11
Conductivity (S/m)	1.92
Variation (%)	-4.31
ConvF:	2.46



Maximum location: X=11.00 Y=-40.00

SAR Peak: 0.52W/kg

SAR 10g (W/Kg)	0.095279
SAR 1g (W/Kg)	0.229104



Plot 27: BT3.0 GFSK, Left Cheek, Middle

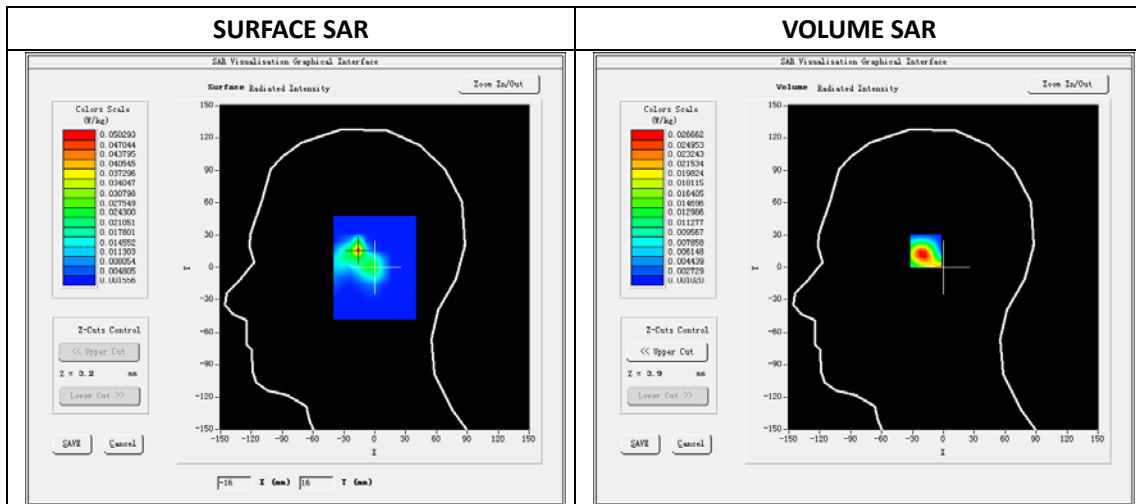
Type: Phone measurement
 Date of measurement: 08/29/2019
 Measurement duration: 22 minutes 33 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

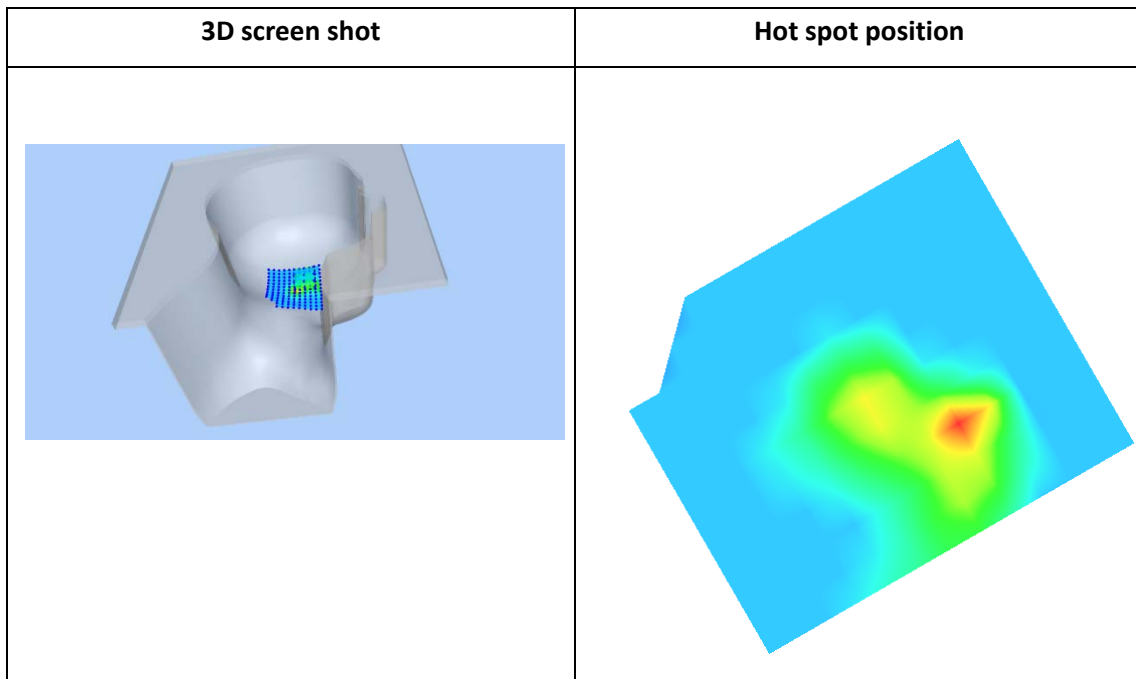
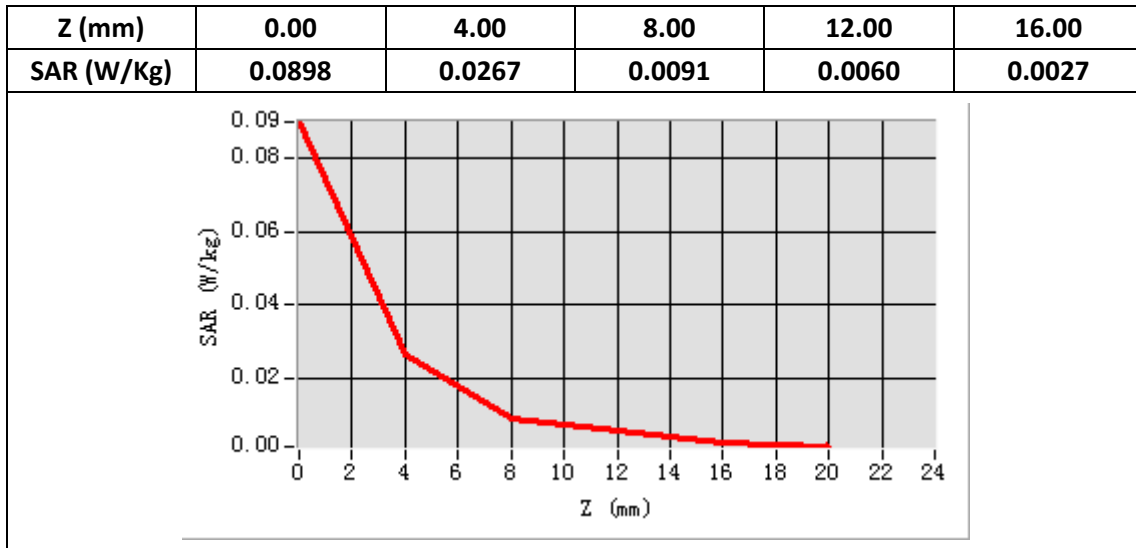
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2441
Relative permittivity (real part)	40.21
Relative permittivity (imaginary part)	13.30
Conductivity (S/m)	1.81
Variation (%)	-1.77
ConvF:	2.35



Maximum location: X=-16.00 Y=16.00

SAR Peak: 0.05 W/kg

SAR 10g (W/Kg)	0.011044
SAR 1g (W/Kg)	0.025380



Plot 28: BT3.0 GFSK, Back,Middle, 10mm

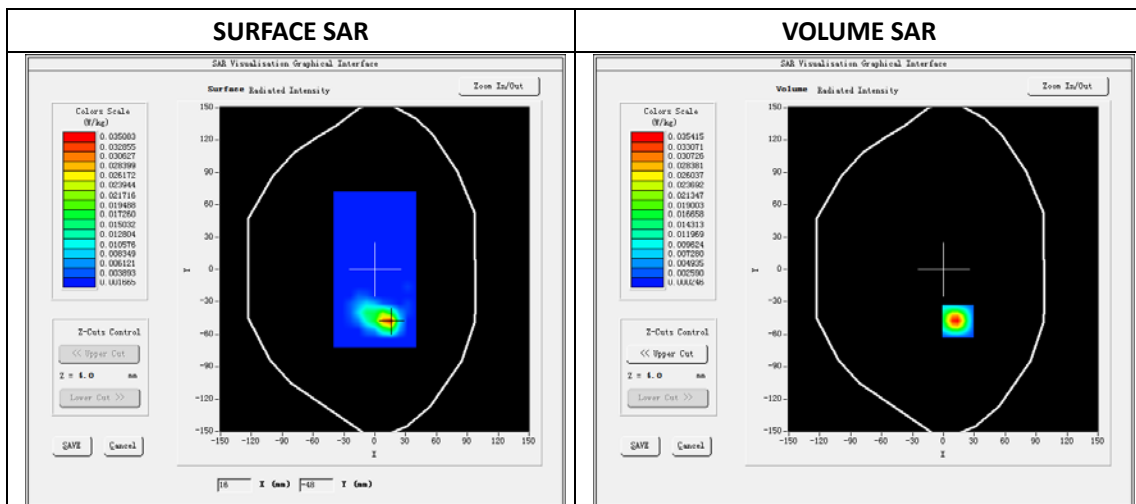
Type: Phone measurement
 Date of measurement: 08/29/2019
 Measurement duration: 22 minutes 26 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	BT3.0
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)	52.82
Relative permittivity (imaginary part)	14.11
Conductivity (S/m)	1.92
Variation (%)	0.03
ConvF:	2.43

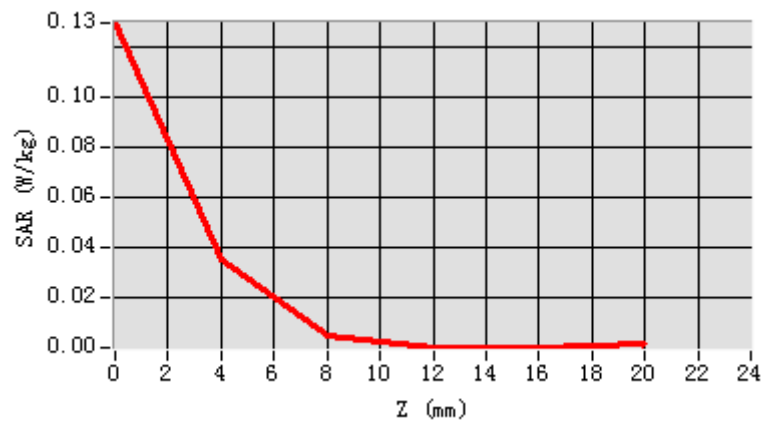


Maximum location: X=14.00 Y=-48.00

SAR Peak: 0.13 W/kg

SAR 10g (W/Kg)	0.012561
SAR 1g (W/Kg)	0.038414

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.1296	0.0354	0.0051	0.0003	0.0002



3D screen shot	Hot spot position
