

Appendix B: SAR Measurement results Plots

Antenna1

Plot	Frequency/Mode	Testing Position and Channel	Test Date
1	GSM850	Right Cheek Middle	2019/03/15
2	GSM850/GPRS4Tx	Body Back, Middle ,10mm	2019/03/15
3	GSM1900	Right Cheek Middle	2019/03/16
4	GSM1900/GPRS4Tx	Body Back Middle ,10mm	2019/03/16
5	WCDMA850	Right Cheek Middle	2019/03/15
6	WCDMA850	Body Back, Middle ,10mm	2019/03/15
7	WCDMA1900	Right Cheek Middle	2019/03/18
8	WCDMA1900	Body Back, Middle ,10mm	2019/03/18
9	WCDMA1700	Right Cheek Middle	2019/03/17
10	WCDMA1700	Body Back, Middle ,10mm	2019/03/17
11	CDMA0	Right Cheek Middle	2019/03/16
12	CDMA0	Body Back, Middle ,10mm	2019/03/17
13	CDMA1	Right Cheek Middle	2019/03/17
14	CDMA1	Body Back, Middle ,10mm	2019/03/17
15	LTE Band2	Right Cheek Middle	2019/03/18
16	LTE Band2	Body Face, Middle ,10mm	2019/03/18
17	LTE Band4	Right Cheek Middle	2019/03/17
18	LTE Band4	Body Back, Middle ,10mm	2019/03/17
19	LTE Band5	Right Cheek Middle	2019/03/16
20	LTE Band5	Body Back, Middle ,10mm	2019/03/16
21	LTE Band7	Left Cheek Middle	2019/03/19
22	LTE Band7	Body Back, Middle ,10mm	2019/03/19
23	LTE Band12	Right Cheek Middle	2019/03/15
24	LTE Band12	Body Back, Middle ,10mm	2019/03/15
25	LTE Band17	Right Cheek Middle	2019/03/15
26	LTE Band17	Body Back, Middle ,10mm	2019/03/15
27	LTE Band25	Right Cheek Middle	2019/03/18
28	LTE Band25	Body Back, Middle ,10mm	2019/03/18
29	LTE Band26	Right Cheek Middle	2019/03/16
30	LTE Band26	Body Back, Middle ,10mm	2019/03/16



31	LTE Band30	Right Cheek Middle	2019/03/19
32	LTE Band30	Body Back, Middle ,10mm	2019/03/19
33	LTE Band41	Right Cheek Middle	2019/03/19
34	LTE Band41	Body Back, Middle ,10mm	2019/03/19
35	LTE Band66	Right Cheek Middle	2019/03/19
36	LTE Band66	Body Back, Middle ,10mm	2019/03/19

Antenna2

Plot	Frequency/Mode	Testing Position and Channel	Test Date
41	GSM850	Right Cheek Middle	2019/03/21
42	GSM850/GPRS4Tx	Body Back, Middle ,10mm	2019/03/21
43	GSM1900	Right Cheek Middle	2019/03/24
44	GSM1900/GPRS4Tx	Body Back Middle ,10mm	2019/03/24
41	WCDMA850	Left Cheek Middle	2019/03/22
42	WCDMA850	Body Back, Middle ,10mm	2019/03/22
43	WCDMA1900	Right Cheek Middle	2019/03/24
44	WCDMA1900	Body Back, Middle ,10mm	2019/03/24
45	WCDMA1700	Right Cheek Middle	2019/03/23
46	WCDMA1700	Body Back, Middle ,10mm	2019/03/23
47	CDMA 0	Right Cheek Middle	2019/03/22
48	CDMA 0	Body Back, Middle ,10mm	2019/03/22
49	CDMA 1	Right Cheek Middle	2019/03/23
50	CDMA 1	Body Back, Middle ,10mm	2019/03/23
51	LTE Band2	Right Cheek Middle	2019/03/24
52	LTE Band2	Body Face, Middle ,10mm	2019/03/24
53	LTE Band4	Left Cheek Middle	2019/03/23
54	LTE Band4	Body Back, Middle ,10mm	2019/03/23
55	LTE Band5	Right Cheek Middle	2019/03/22
56	LTE Band5	Body Back, Middle ,10mm	2019/03/22
57	LTE Band7	Left Cheek Middle	2019/03/19
58	LTE Band7	Body Back, Middle ,10mm	2019/03/19
59	LTE Band12	Left Cheek Middle	2019/03/21
60	LTE Band12	Body Back, Middle ,10mm	2019/03/21
61	LTE Band17	Right Cheek Middle	2019/03/21
62	LTE Band17	Body Back, Middle ,10mm	2019/03/21

63	LTE Band25	Right Cheek Middle	2019/03/24
64	LTE Band25	Body Back, Middle ,10mm	2019/03/24
65	LTE Band26	Left Cheek Middle	2019/03/22
66	LTE Band26	Body Back, Middle ,10mm	2019/03/22
67	LTE Band30	Right Cheek Middle	2019/03/19
68	LTE Band30	Body Back, Middle ,10mm	2019/03/19
69	LTE Band41	Left Cheek Middle	2019/03/19
70	LTE Band41	Body Back, Middle ,10mm	2019/03/19
71	LTE Band66	Right Cheek Middle	2019/03/19
72	LTE Band66	Body Back, Middle ,10mm	2019/03/19
73	Wi-Fi 802.11b-0+1	Left Cheek Middle	2019/03/19
74	Wi-Fi 802.11b-0+1	Body Back, Middle ,10mm	2019/03/19
75	Wi-Fi 802.11AC VHT40-	Body Back, Middle ,10mm	2019/03/25
76	Wi-Fi 802.11AC N-VHT40-0	Right Cheek Middle	2019/03/25
77	BT 3.0 GFSK	Right Cheek, High	2019/03/19
78	BT 3.0 GFSK	Body Back, Middle ,10mm	2019/03/19

Plot 1: GSM850, Right Cheek, Middle

Type: Phone measurement

Date of measurement: 03/16/2019

Measurement duration: 22 minutes 31 seconds

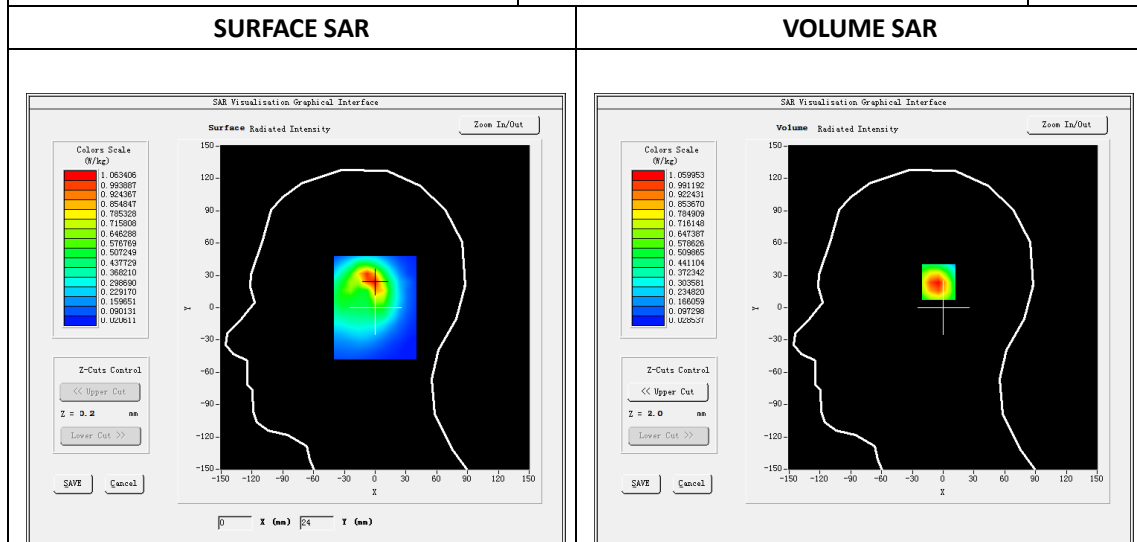
Mobile Phone IMEI number: --

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

B. SAR Measurement Results

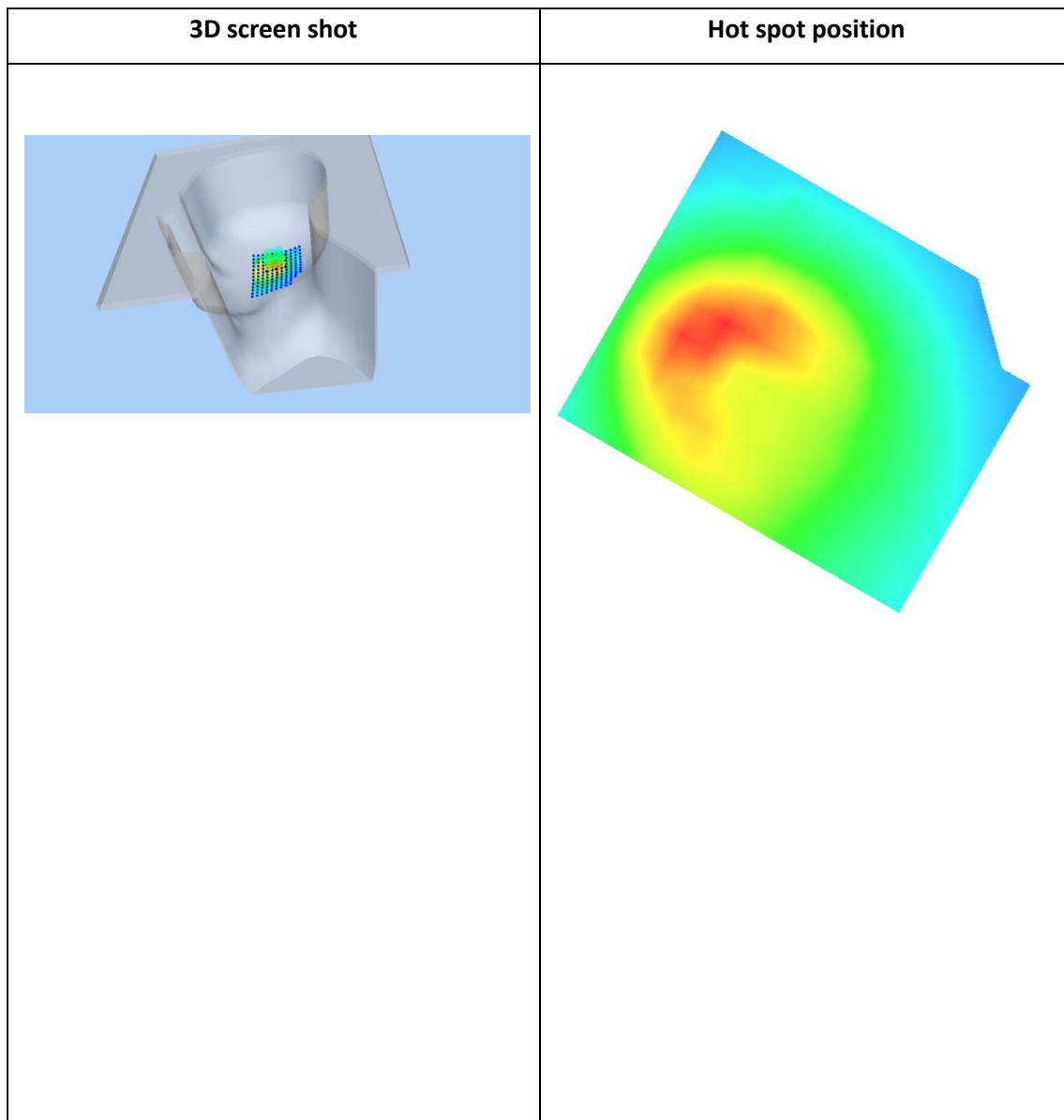
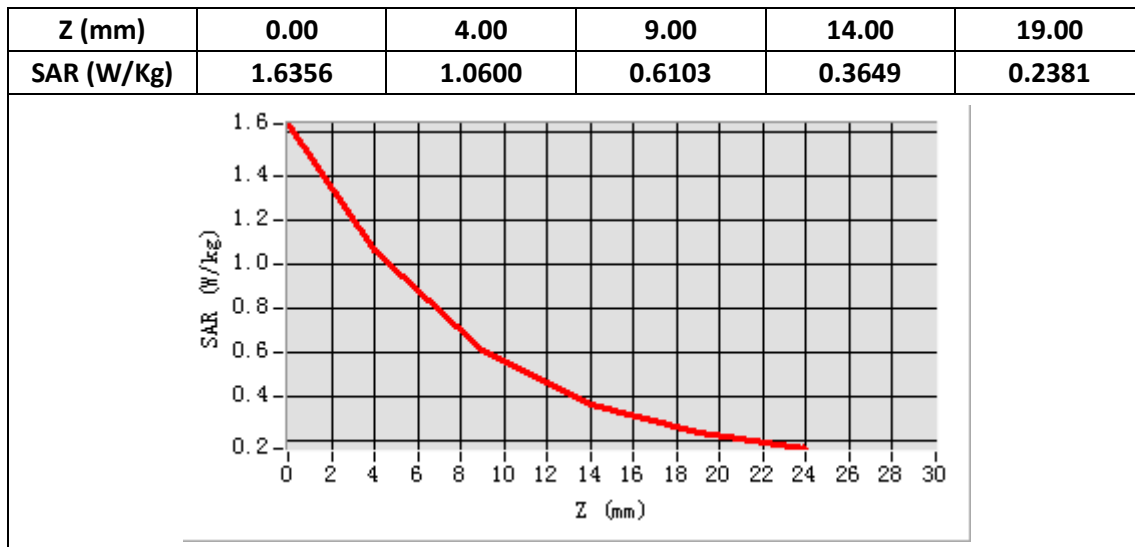
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.6
Relative permittivity (real part)	41.32
Relative permittivity (imaginary part)	18.42
Conductivity (S/m)	0.87
Variation (%)	-0.91
ConvF:	1.92



Maximum location: X=-2.00, Y=25.00

SAR Peak: 1.66W/kg

SAR 10g (W/Kg)	0.562751
SAR 1g (W/Kg)	1.026057



Plot 2: GPRS850, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 03/16/2019

Measurement duration: 22 minutes 31 seconds

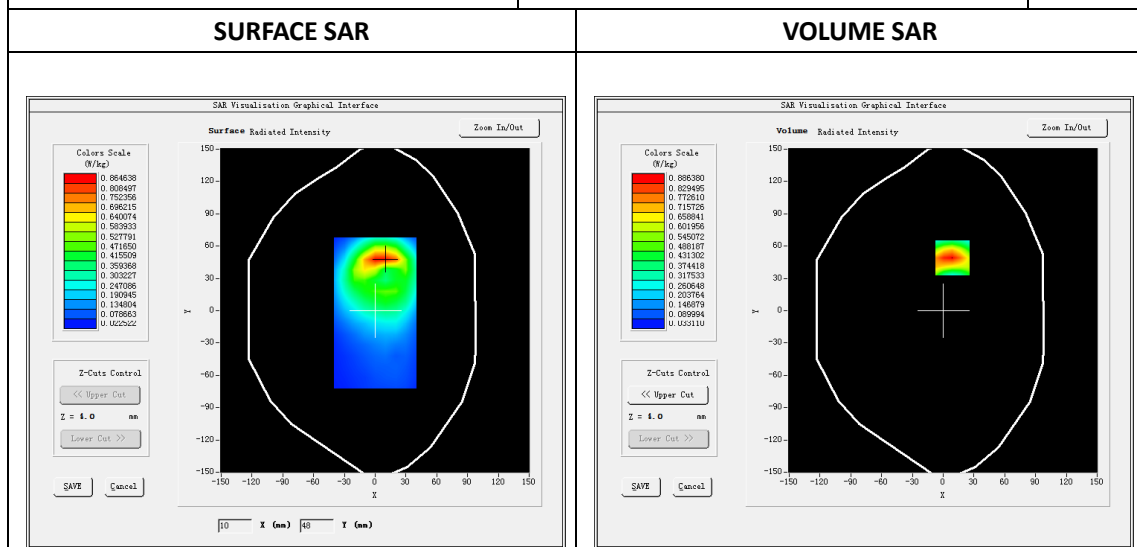
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

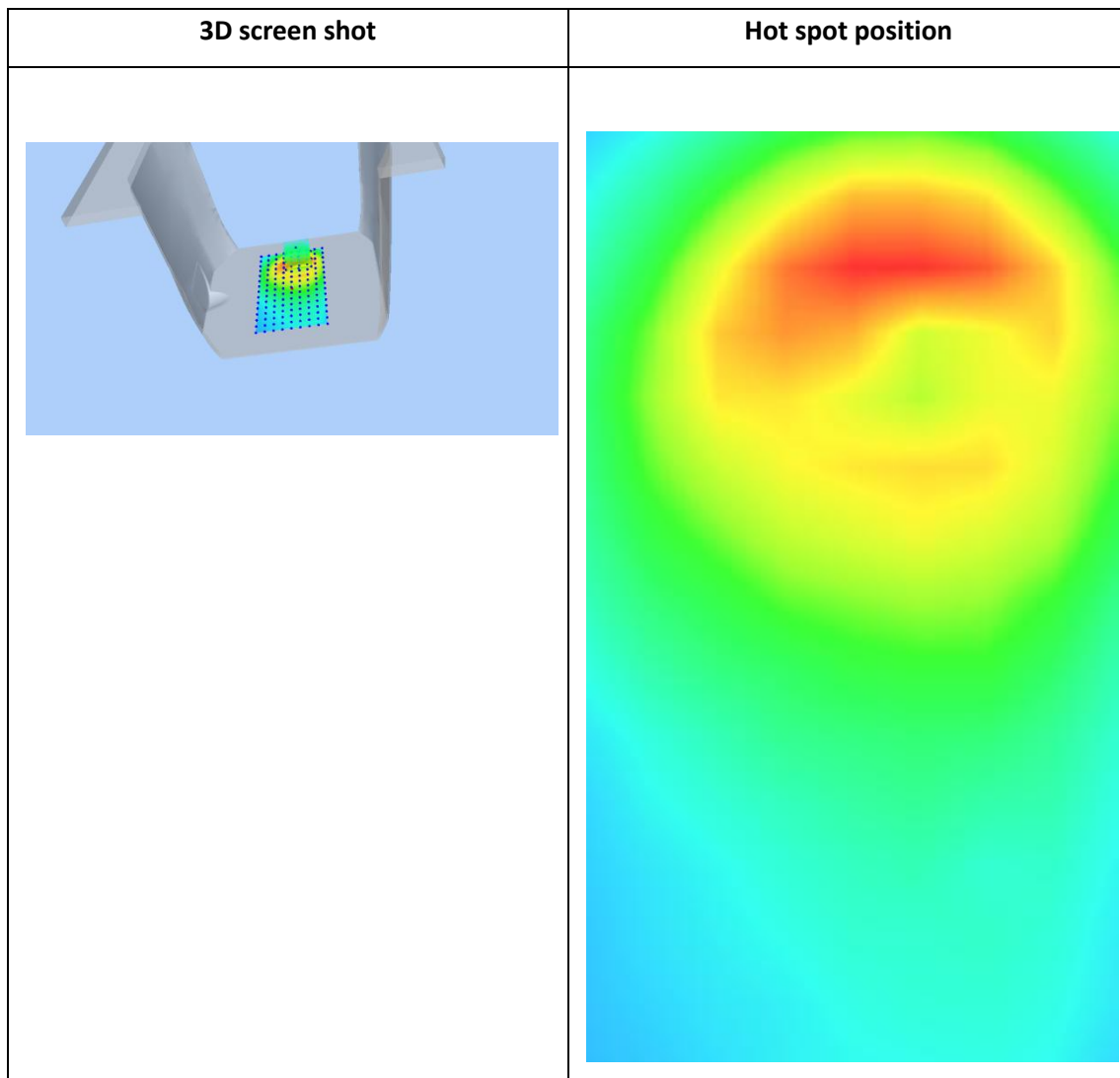
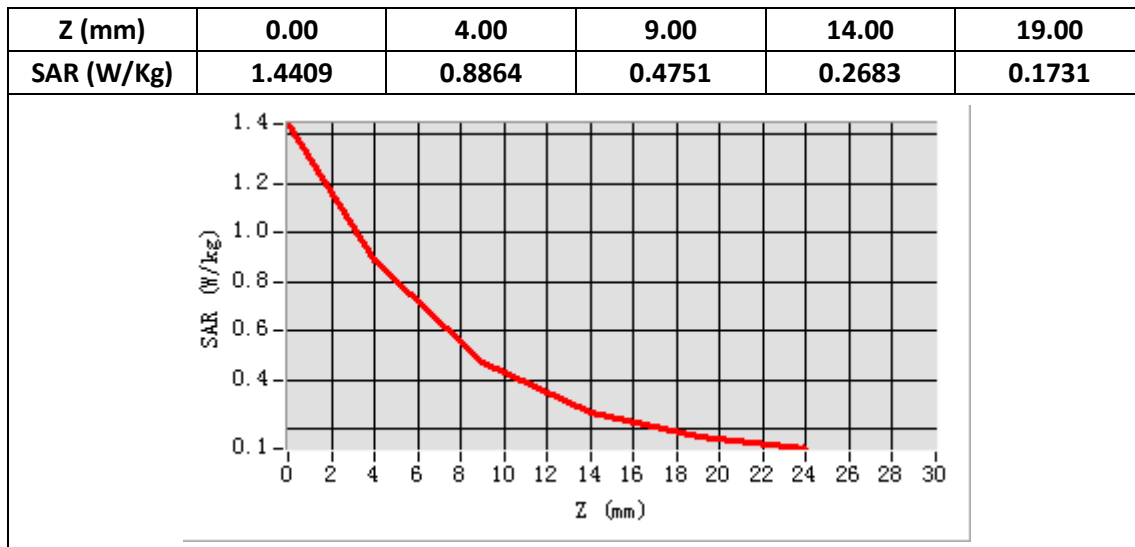
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.6
Relative permittivity (real part)	55.23
Relative permittivity (imaginary part)	21.12
Conductivity (S/m)	0.98
Variation (%)	-2.85
ConvF:	1.99



Maximum location: X=9.00, Y=49.00

SAR Peak: 1.45 W/kg

SAR 10g (W/Kg)	0.451981
SAR 1g (W/Kg)	0.747595



Plot3: GSM1900, Right Cheek Middle

Type: Phone measurement

Date of measurement: 03/18/2019

Measurement duration: 22 minutes 24 seconds

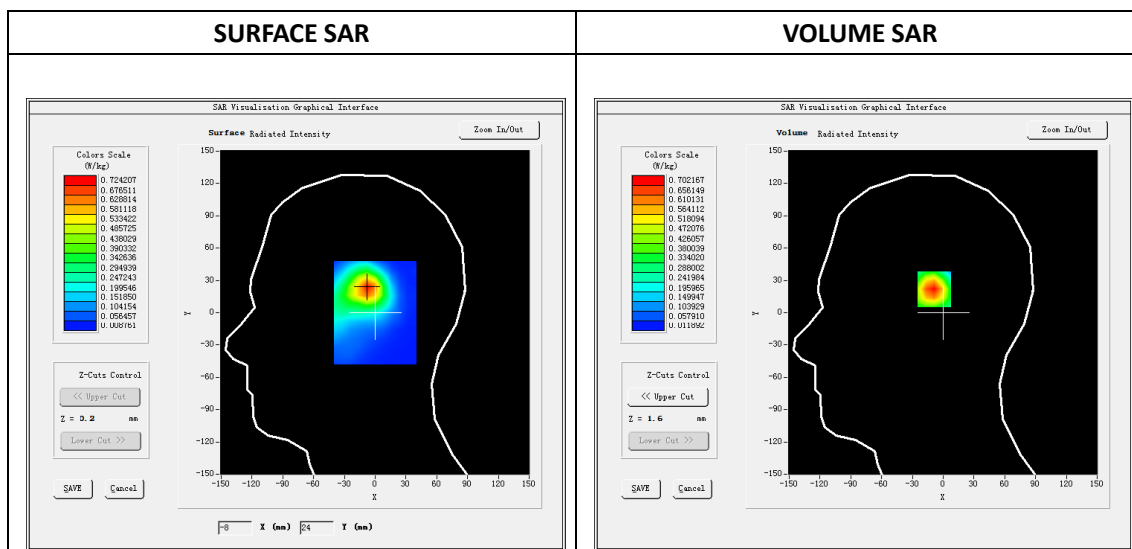
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

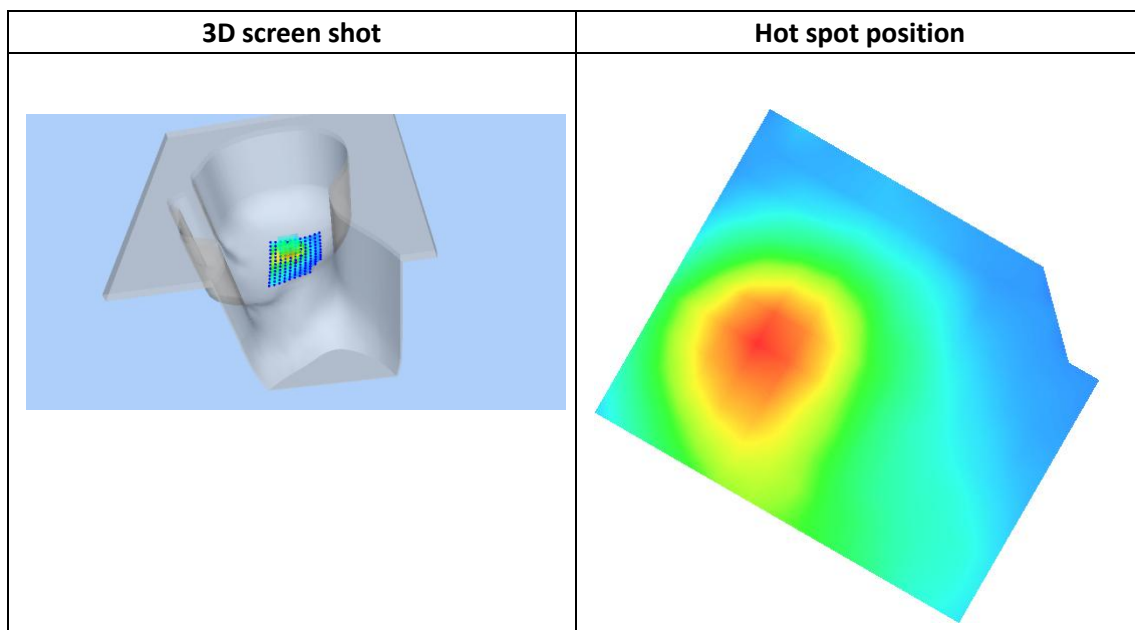
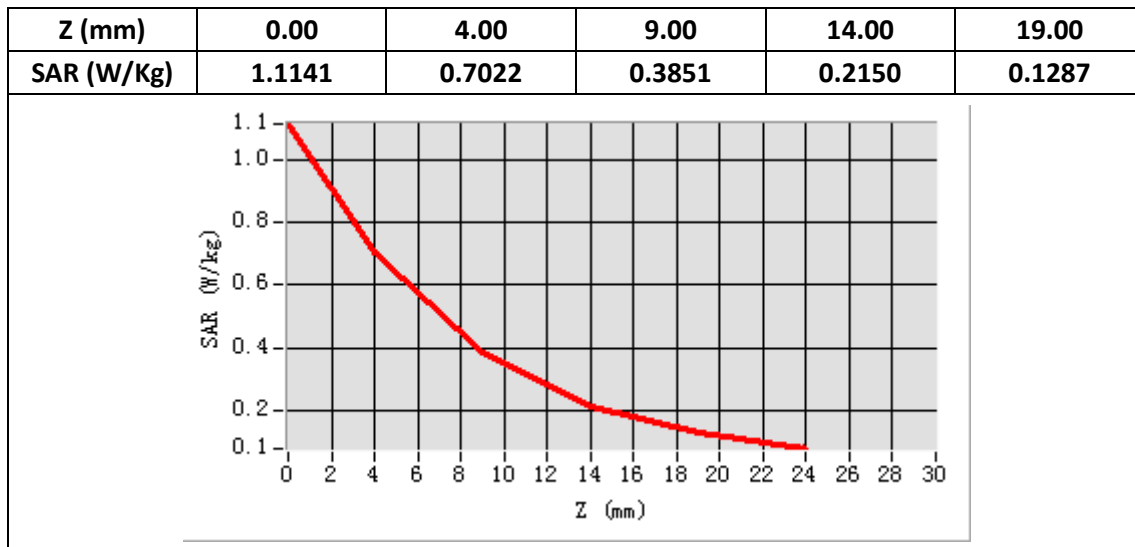
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	40.60
Relative permittivity (imaginary part)	13.16
Conductivity (S/m)	1.39
Variation (%)	-1.59
ConvF:	2.34



Maximum location: X=-7.00, Y=23.00

SAR Peak: 1.12 W/kg

SAR 10g (W/Kg)	0.352731
SAR 1g (W/Kg)	0.667726



Plot4: GPRS1900, Back Middle ,10mm

Type: Phone measurement

Date of measurement: 03/18/2019

Measurement duration: 22 minutes 23 seconds

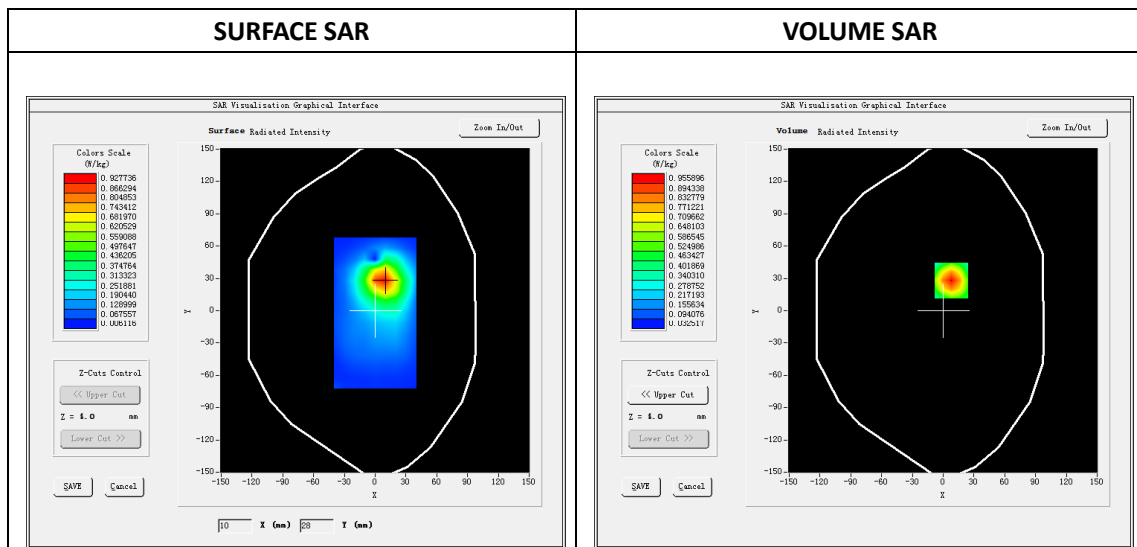
Mobile Phone IMEI number: --

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

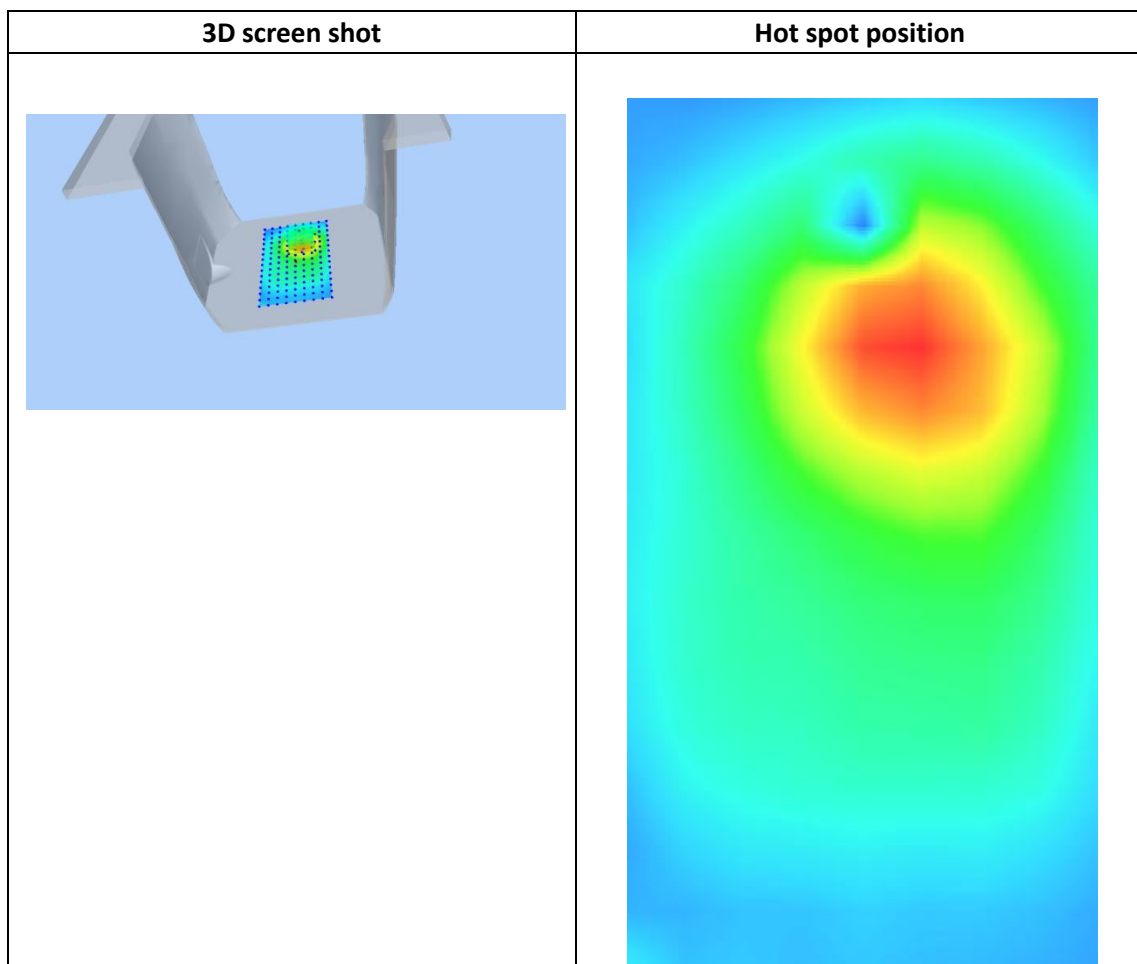
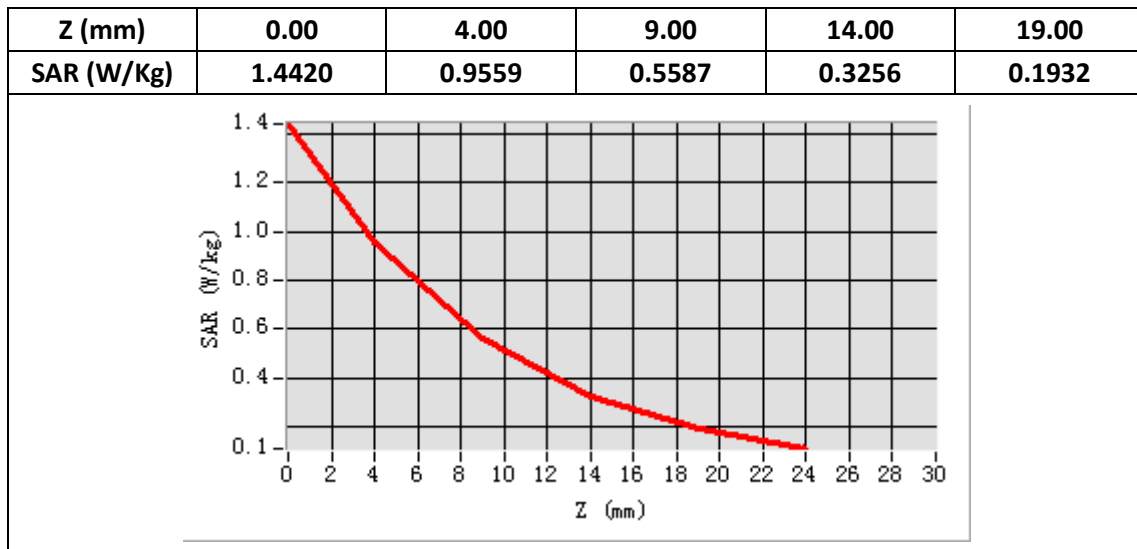
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.42
Relative permittivity (imaginary part)	14.30
Conductivity (S/m)	1.51
Variation (%)	-3.59
ConvF:	2.39



Maximum location: X=8.00, Y=28.00

SAR Peak: 1.44W/kg

SAR 10g (W/Kg)	0.393737
SAR 1g (W/Kg)	0.705734



Plot 5: WCDMA850, Right Cheek, Middle

Type: Phone measurement

Date of measurement: 03/16/2019

Measurement duration: 22 minutes 25 seconds

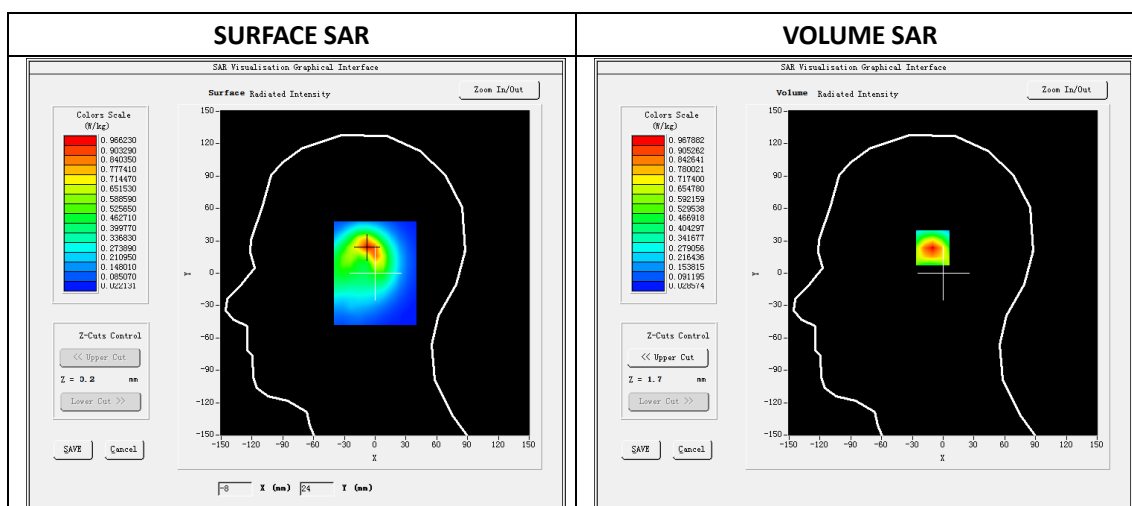
Mobile Phone IMEI number: --

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

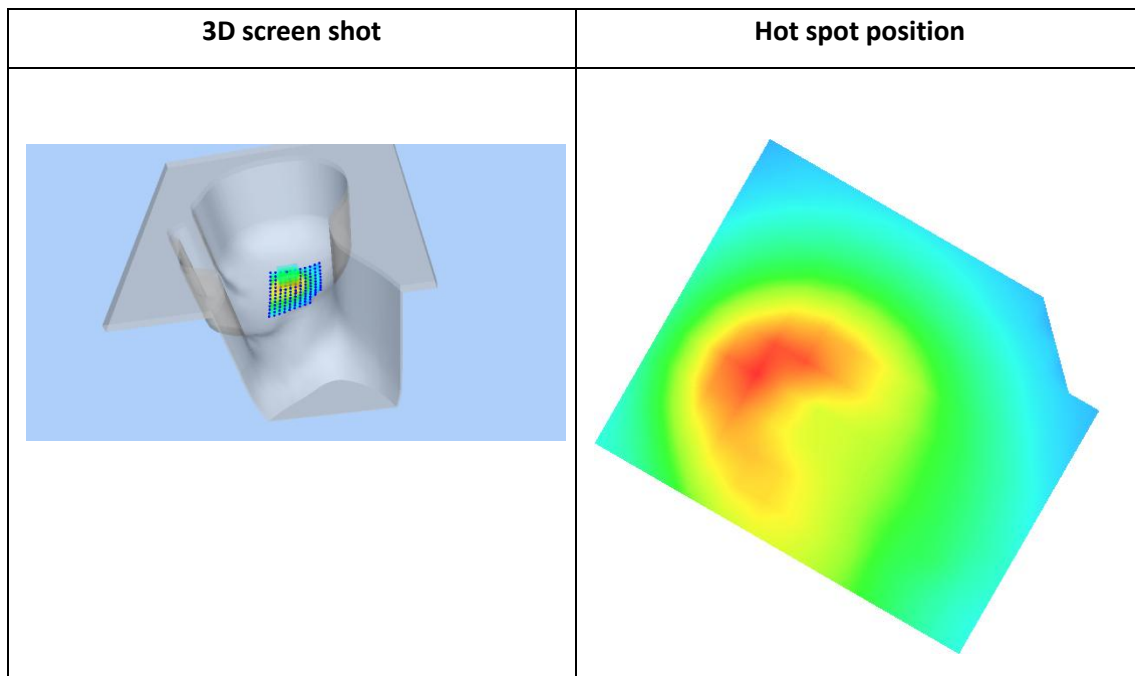
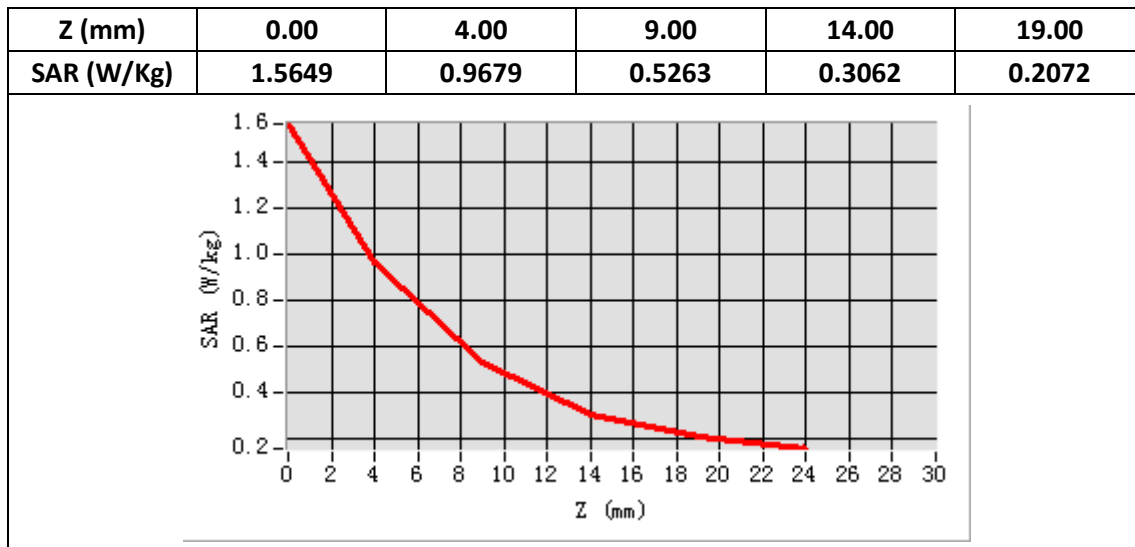
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.6
Relative permittivity (real part)	41.32
Relative permittivity (imaginary part)	18.42
Conductivity (S/m)	0.87
Variation (%)	-2.88
ConvF:	1.92



Maximum location: X=-8.00, Y=25.00

SAR Peak: 1.57W/kg

SAR 10g (W/Kg)	0.491288
SAR 1g (W/Kg)	0.920404



Plot 6: WCDMA850, BACK, Middle,10mm

Type: Phone measurement

Date of measurement: 03/16/2019

Measurement duration: 22 minutes 17 seconds

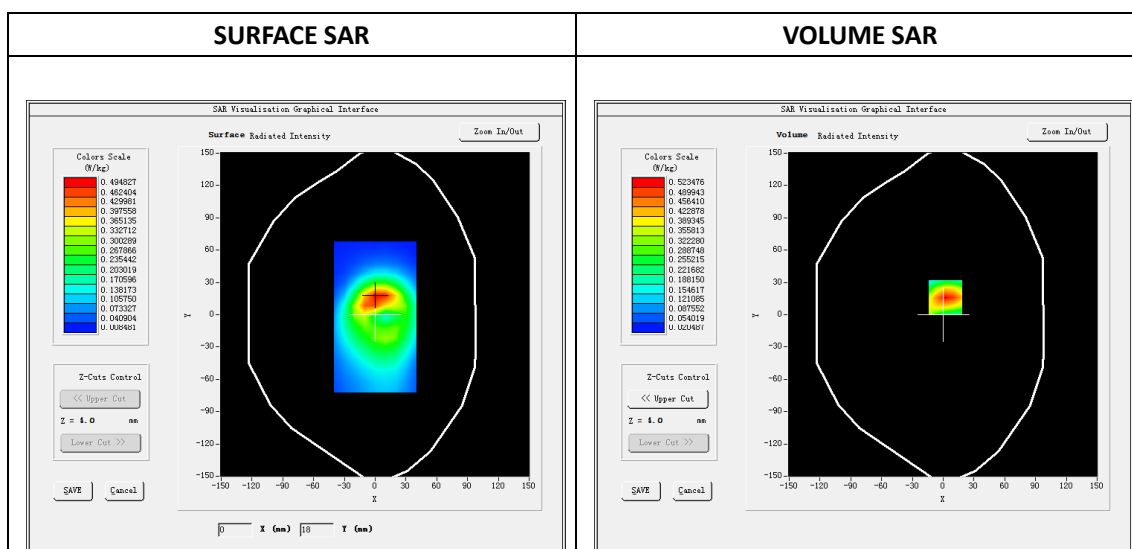
Mobile Phone IMEI number: --

A. Experimental conditions.

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

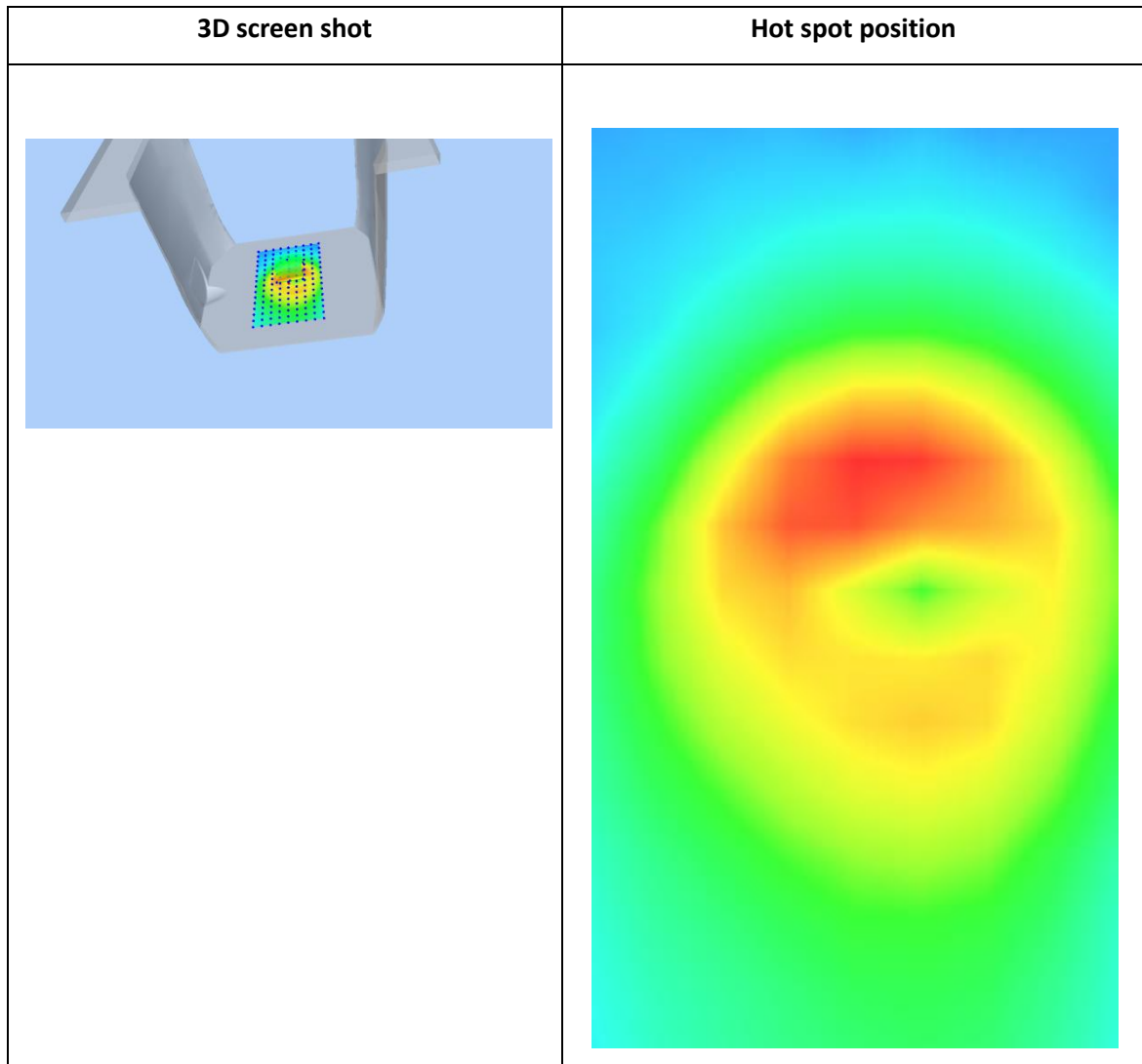
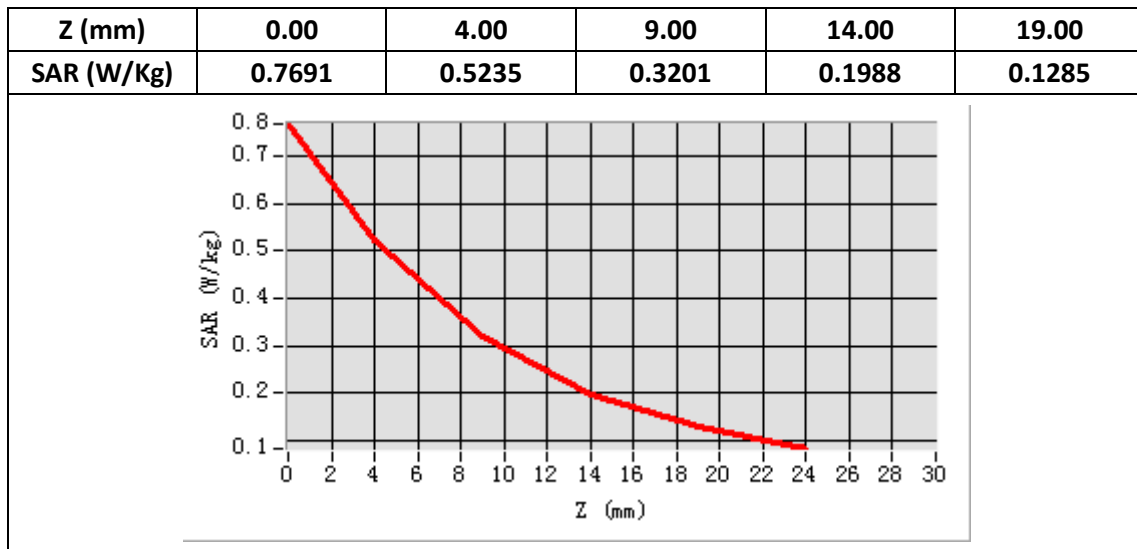
B. SAR Measurement Results

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.6
Relative permittivity (real part)	55.23
Relative permittivity (imaginary part)	2112
Conductivity (S/m)	0.98
Variation (%)	-2.49
ConvF:	1.99



Maximum location: X=2.00, Y=16.00

SAR 10g (W/Kg)	0.281980
SAR 1g (W/Kg)	0.498126



Plot 7: WCDMA1900, Right Cheek, Middle,10mm

Type: Phone measurement

Date of measurement: 03/18/2019

Measurement duration: 22 minutes 18 seconds

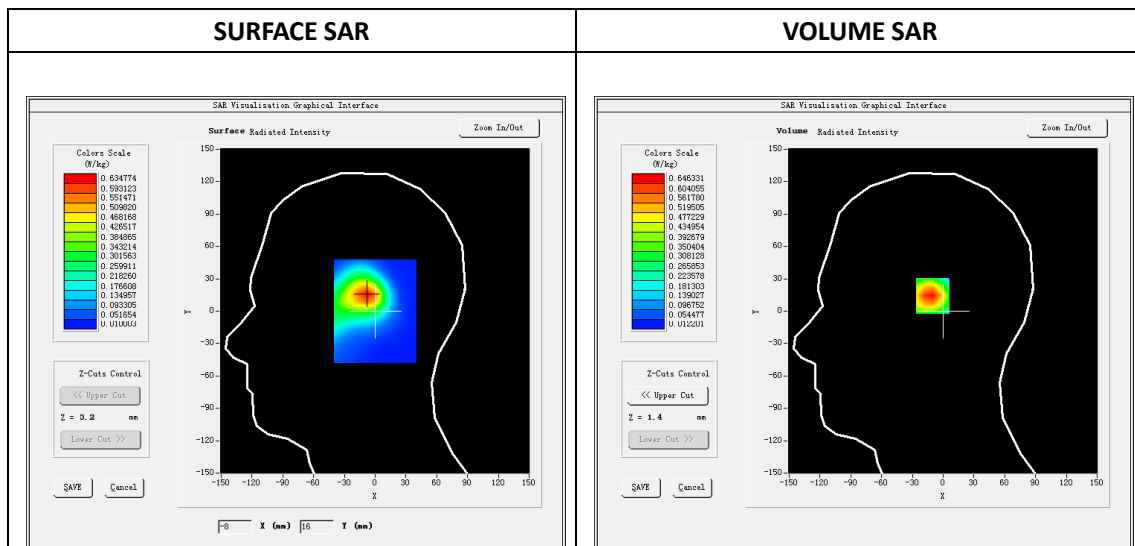
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

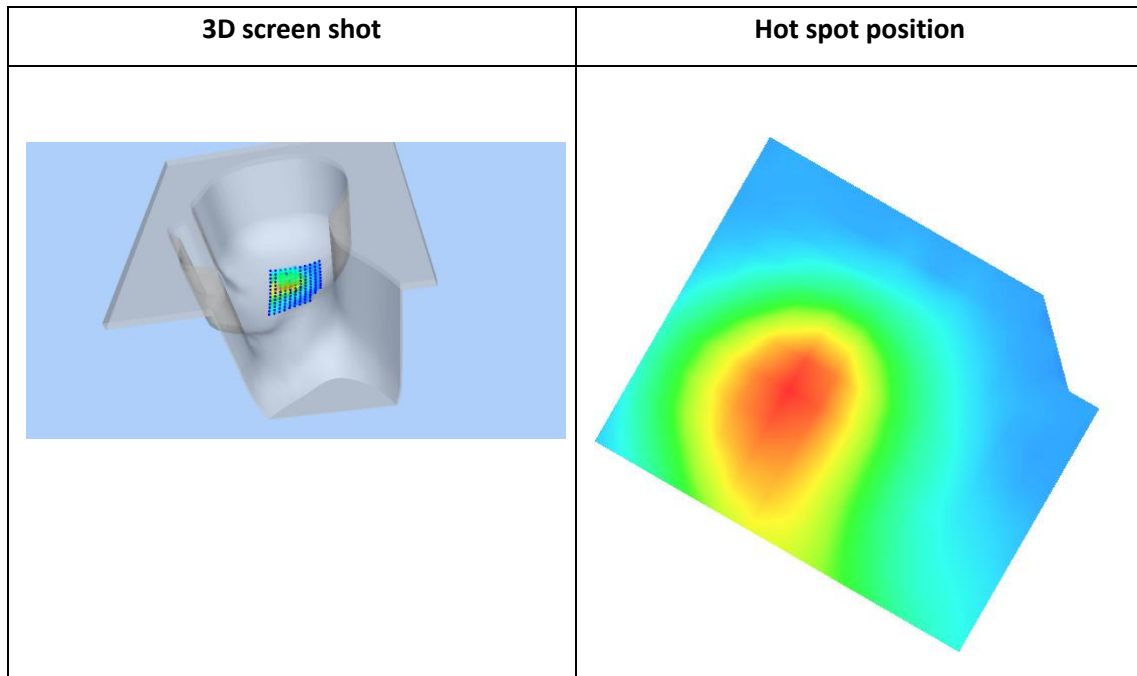
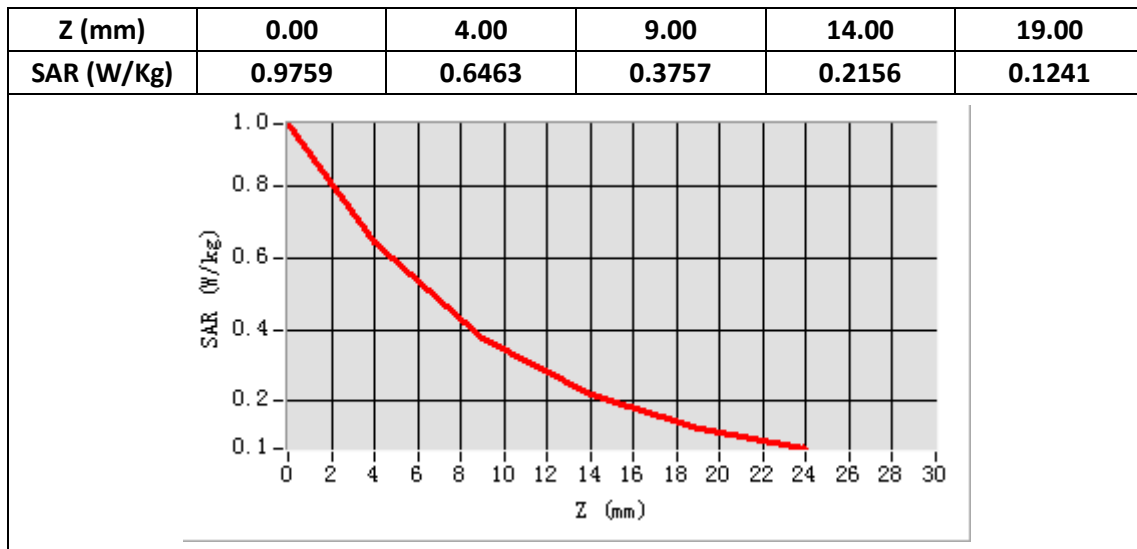
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	40.60
Relative permittivity (imaginary part)	13.16
Conductivity (S/m)	1.39
Variation (%)	-2.88
ConvF:	2.34



Maximum location: X=-8.00, Y=15.00

SAR Peak: 0.99W/kg

SAR 10g (W/Kg)	0.333327
SAR 1g (W/Kg)	0.615406



Plot 8: WCDMA1900 Back, Middle,10mm

Type: Phone measurement

Date of measurement: 03/18/2019

Measurement duration: 22 minutes 51 seconds

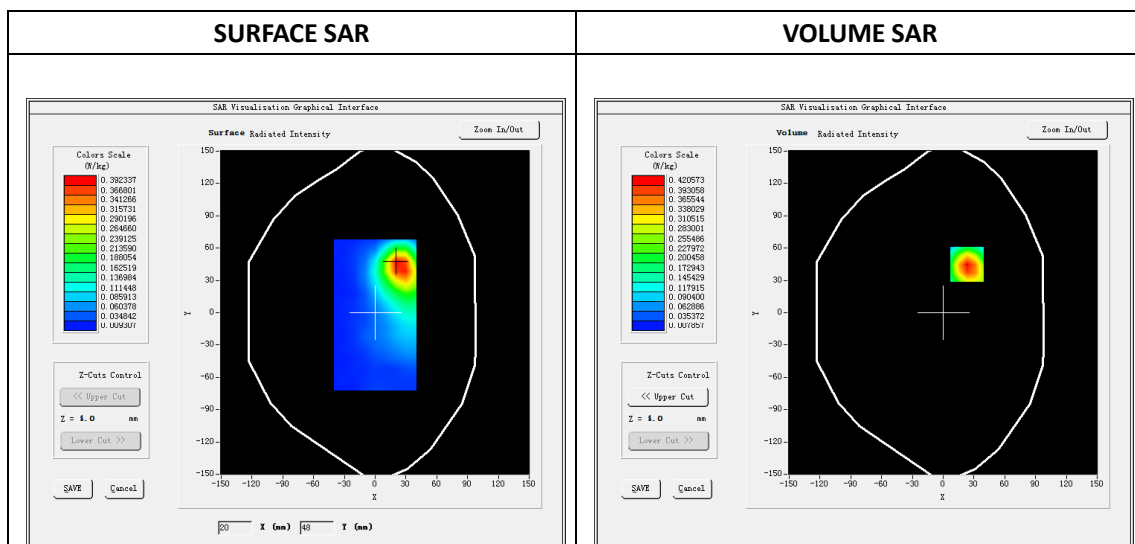
Mobile Phone IMEI number: --

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

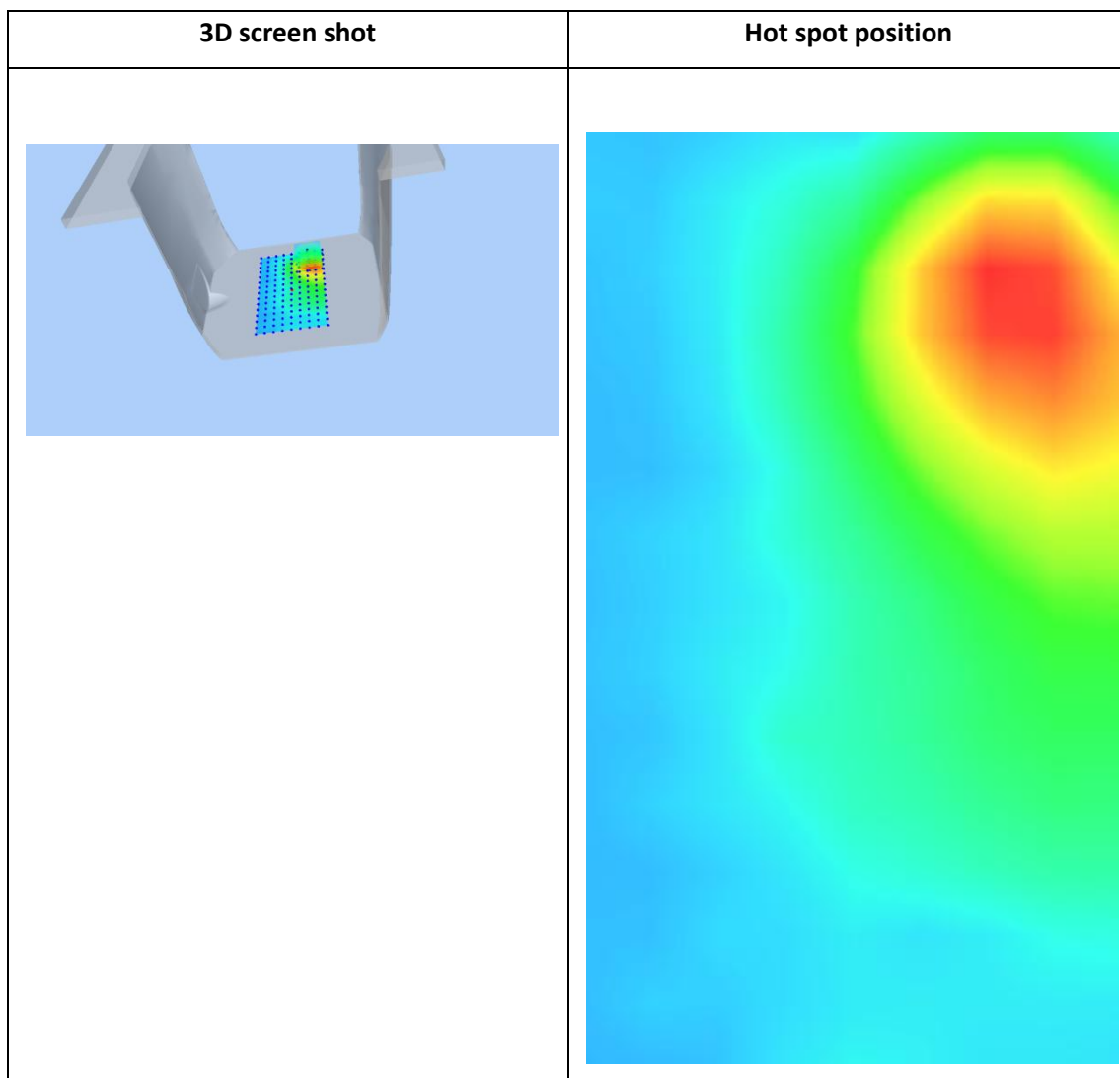
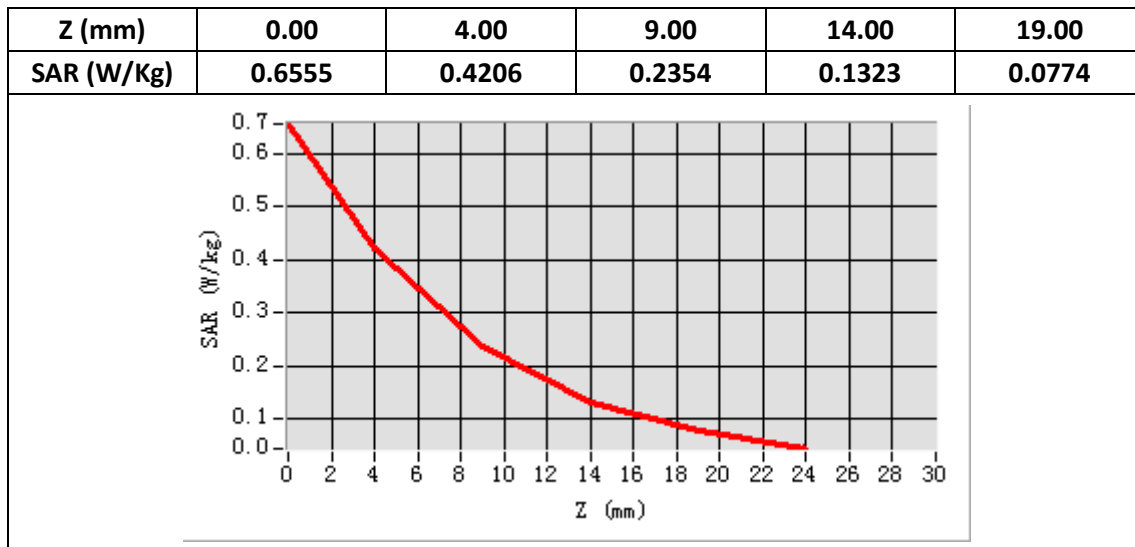
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.42
Relative permittivity (imaginary part)	14.30
Conductivity (S/m)	1.51
Variation (%)	-1.83
ConvF:	6.10



Maximum location: X=23.00, Y=45.00

SAR Peak: 0.66W/kg

SAR 10g (W/Kg)	0.214198
SAR 1g (W/Kg)	0.402375



Plot 9: WCDMA1700, Right Cheek, Middle,10mm

Type: Phone measurement

Date of measurement: 03/17/2019

Measurement duration: 22 minutes 21 seconds

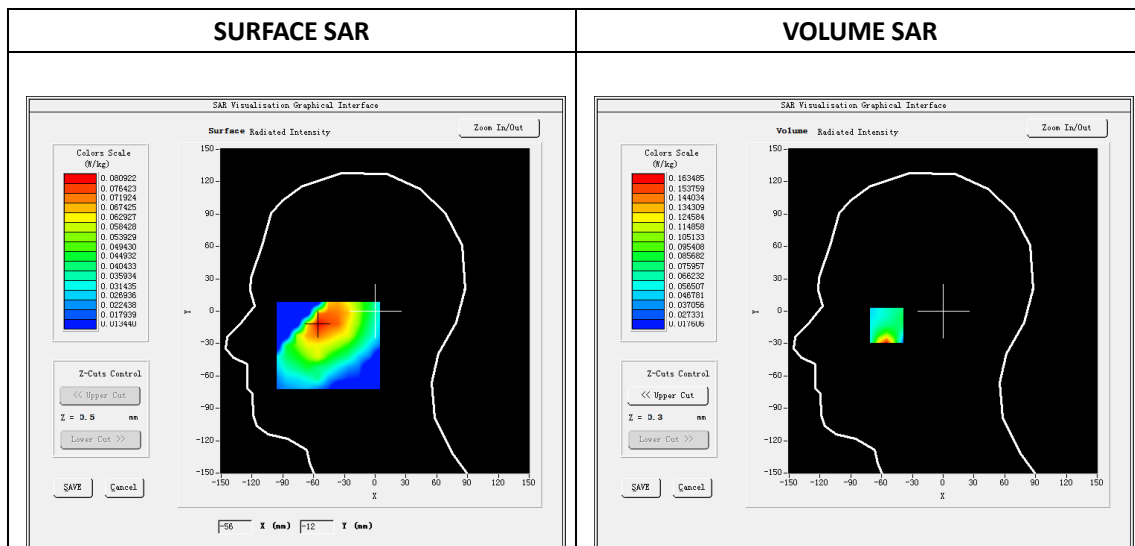
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

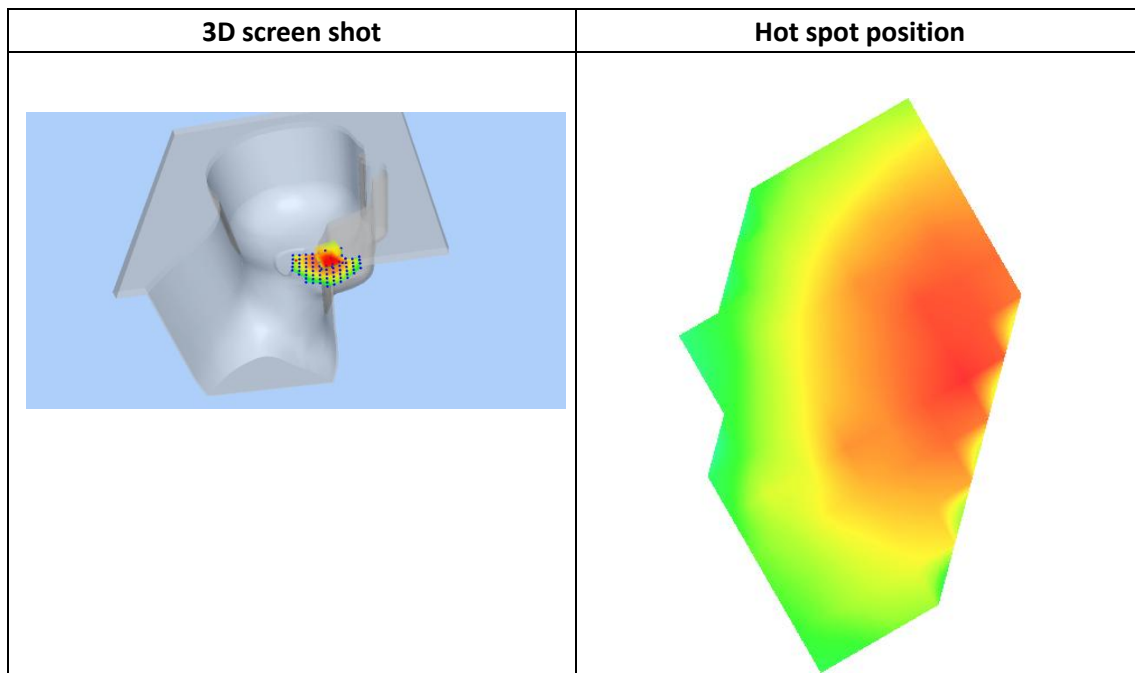
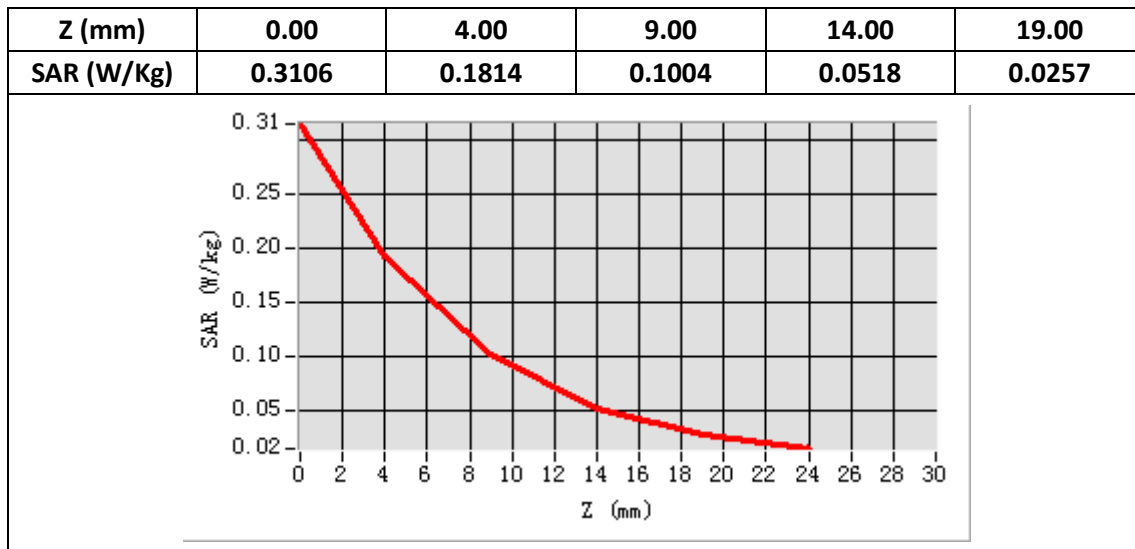
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.6
Relative permittivity (real part)	40.34
Relative permittivity (imaginary part)	13.10
Conductivity (S/m)	1.31
Variation (%)	-2.98
ConvF:	2.14



Maximum location: X=-55.00, Y=-12.00

SAR Peak: 0.18 W/kg

SAR 10g (W/Kg)	0.084045
SAR 1g (W/Kg)	0.135301



Plot 10: WCDMA1700,Back, Middle,10mm

Type: Phone measurement

Date of measurement: 03/17/2019

Measurement duration: 22 minutes 35 seconds

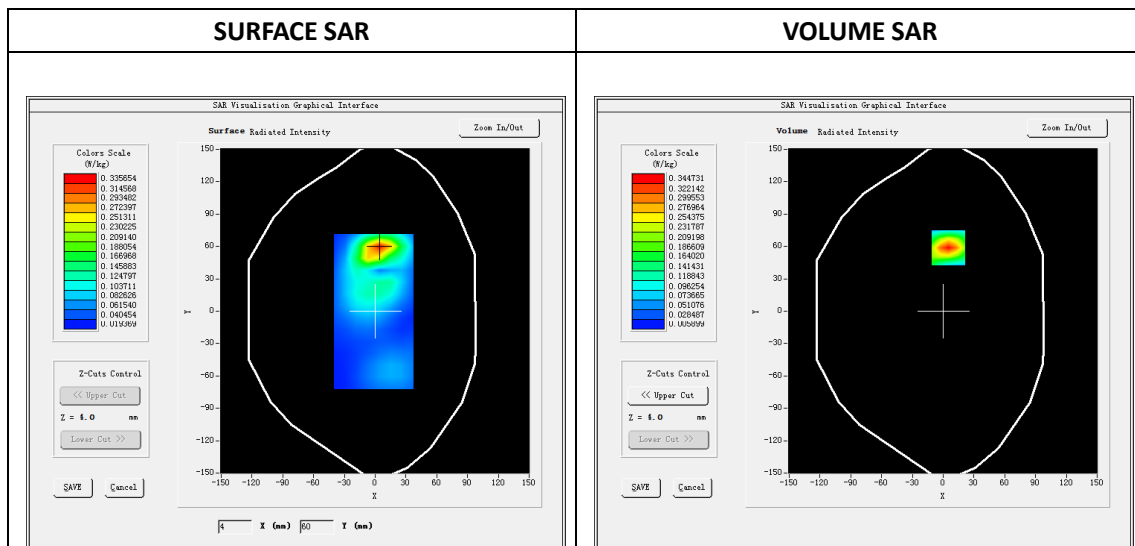
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

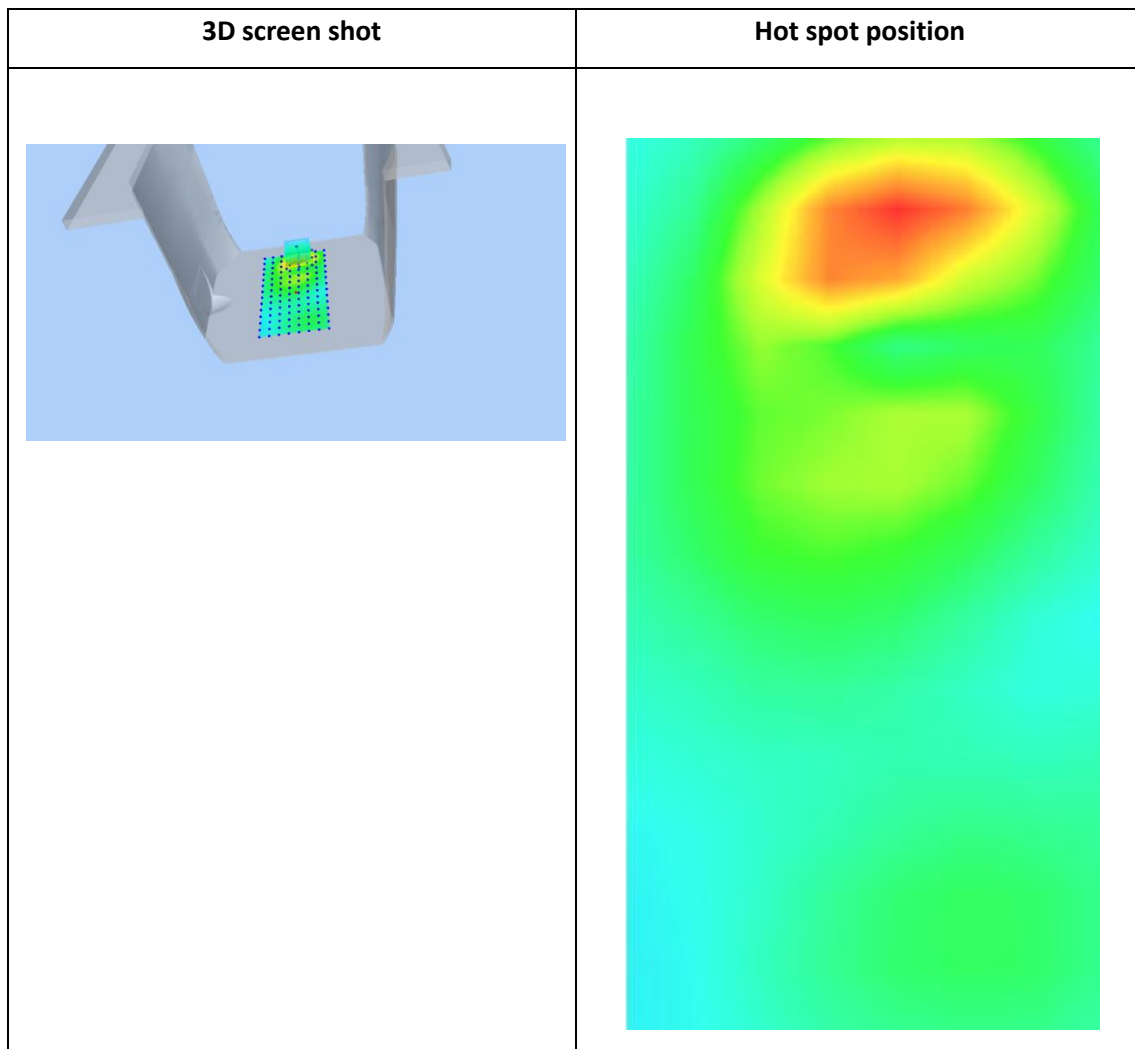
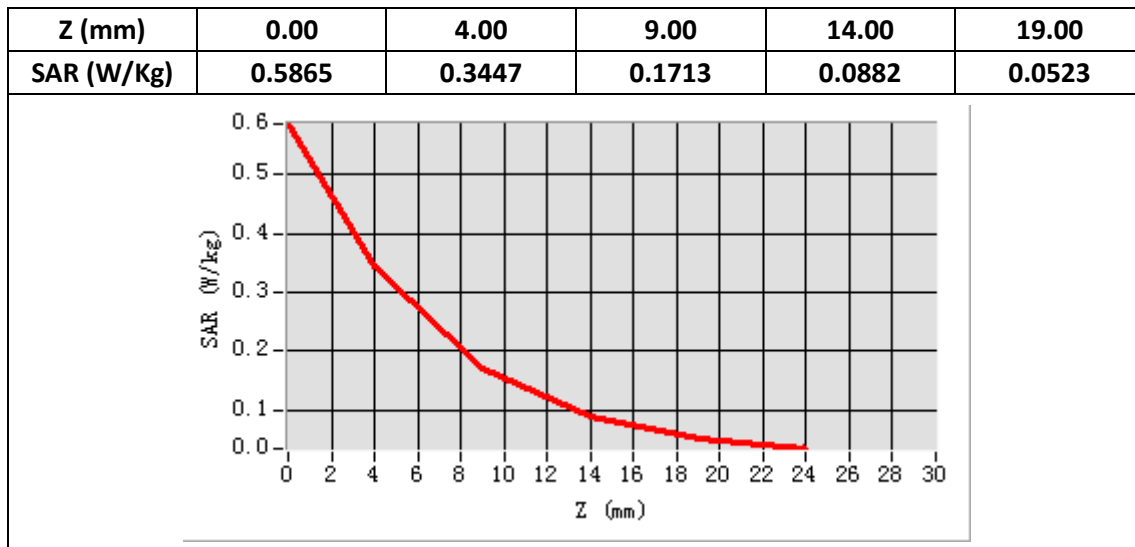
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.6
Relative permittivity (real part)	53.39
Relative permittivity (imaginary part)	15.20
Conductivity (S/m)	1.52
Variation (%)	-0.96
ConvF:	2.22



Maximum location: X=5.00, Y=59.00

SAR Peak: 0.59W/kg

SAR 10g (W/Kg)	0.074549
SAR 1g (W/Kg)	0.190087



Plot 11: CDMA BC0, Right Cheek, Middle

Type: Phone measurement

Date of measurement: 03/16/2019

Measurement duration: 22 minutes 34 seconds

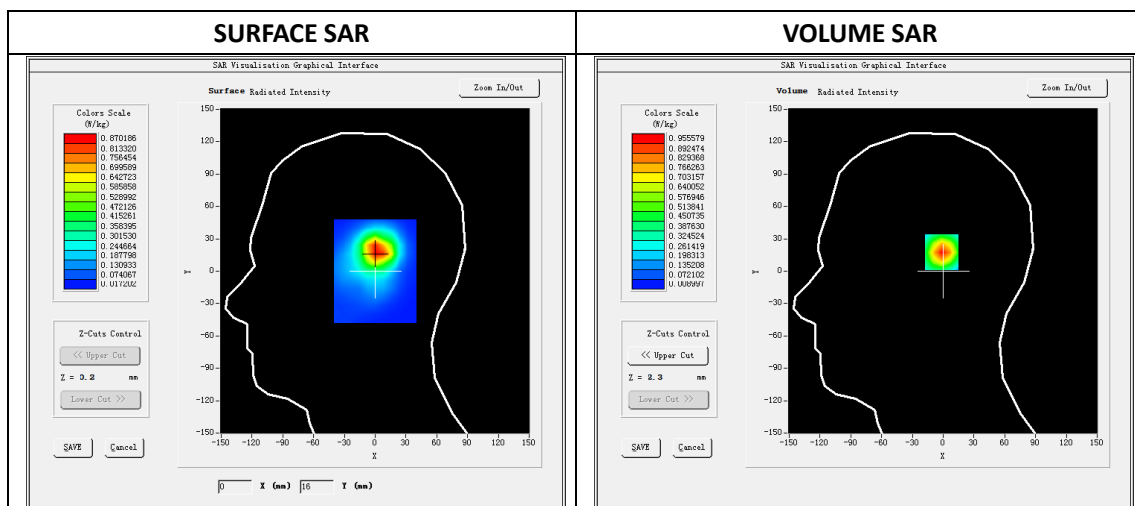
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Cheek
Band	CDMA 0
Channels	384
Signal	CDMA

B. SAR Measurement Results

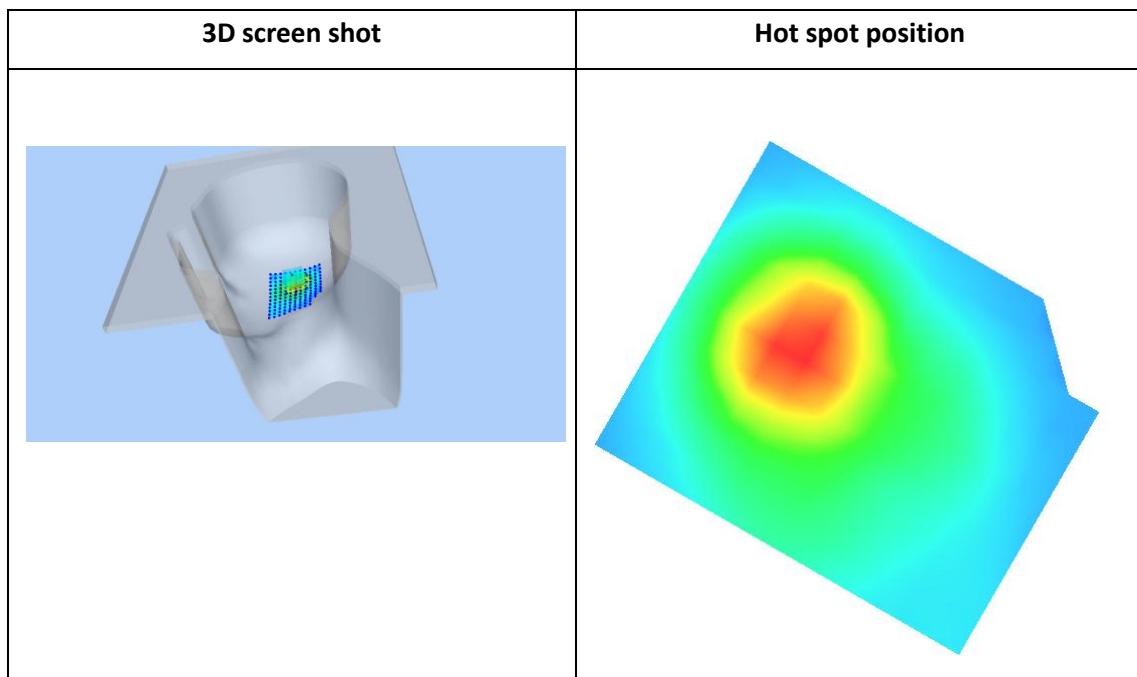
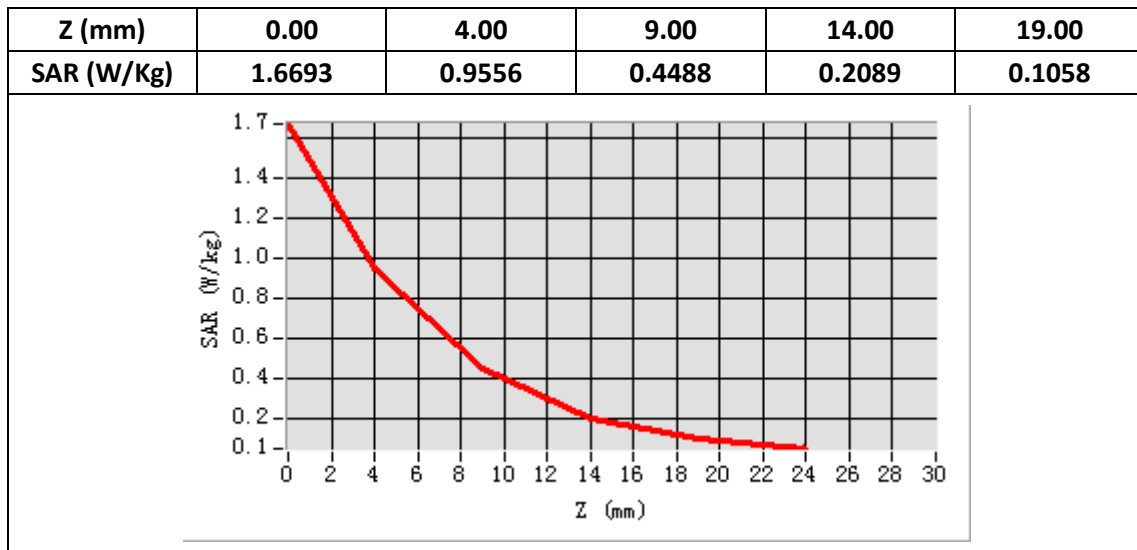
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	824.7
Relative permittivity (real part)	41.32
Relative permittivity (imaginary part)	18.42
Conductivity (S/m)	0.87
Variation (%)	-0.08
ConvF:	1.92



Maximum location: X=2.00, Y=18.00

SAR Peak: 1.67W/kg

SAR 10g (W/Kg)	0.425662
SAR 1g (W/Kg)	0.905065



Plot 12: CDMA BC0-,Back ,Middle, 10mm

Type: Phone measurement

Date of measurement: 03/16/2019

Measurement duration: 22 minutes 17 seconds

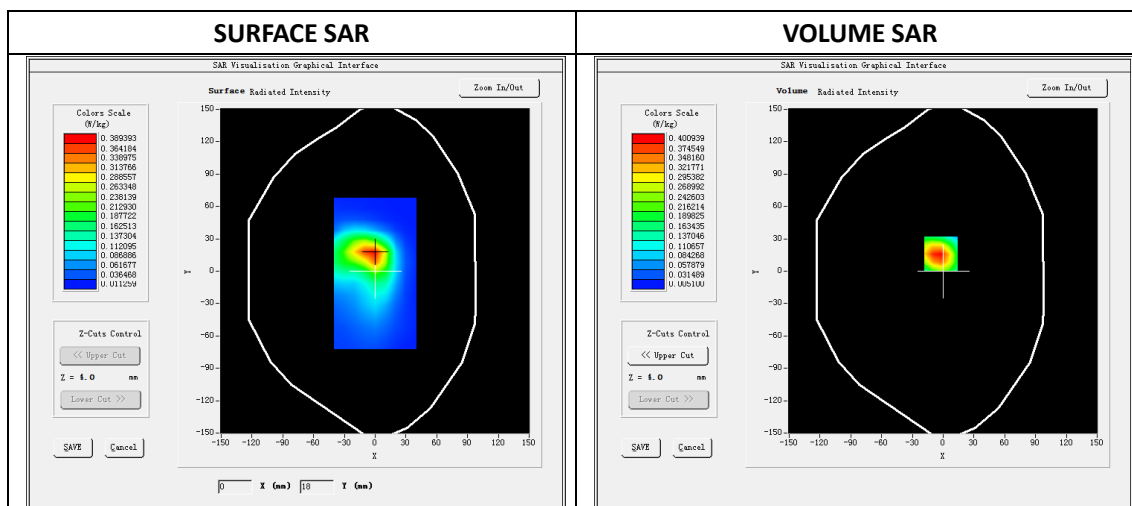
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Middle
Band	CAMA BC0
Channels	384
Signal	CDMA

B. SAR Measurement Results

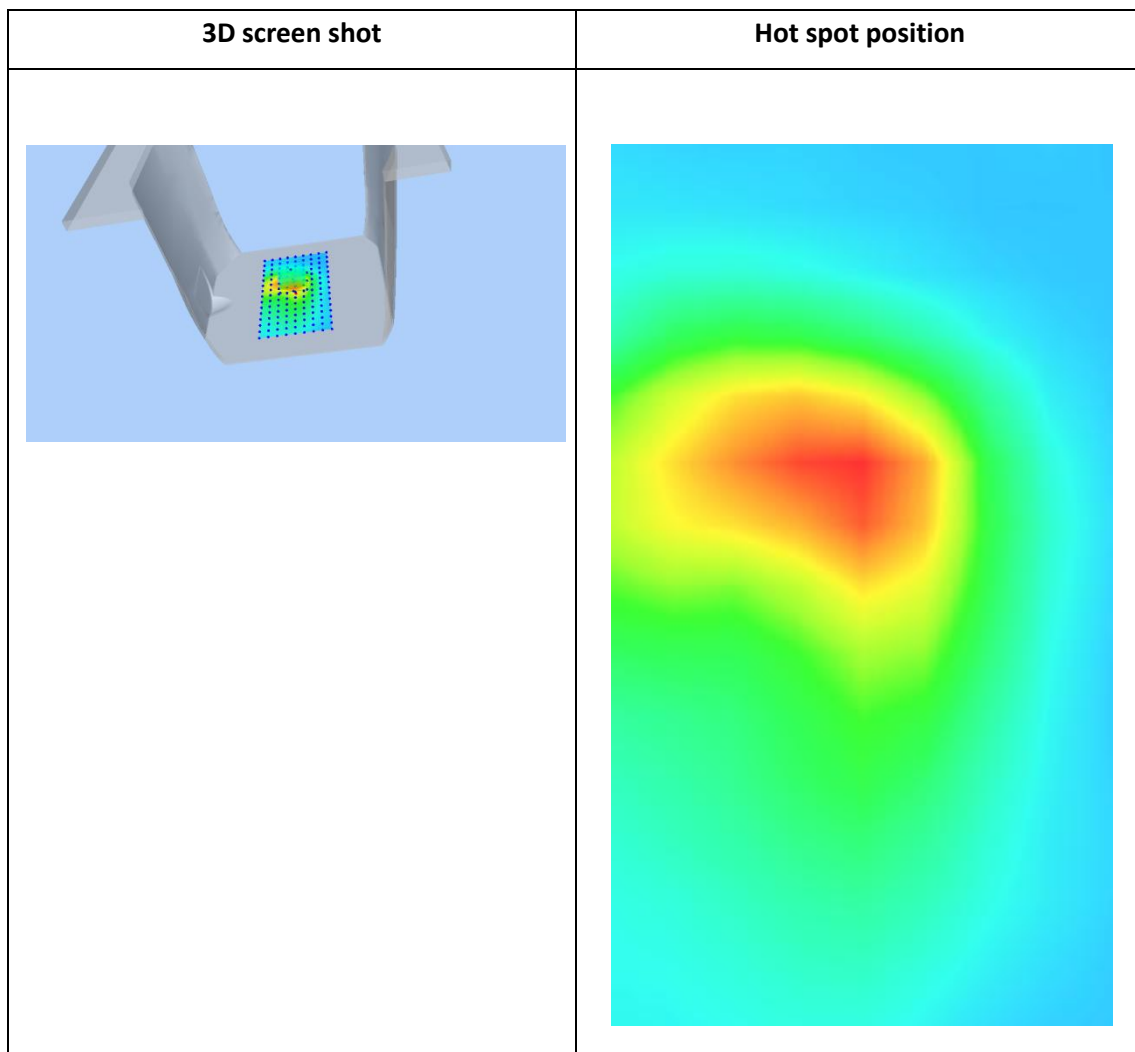
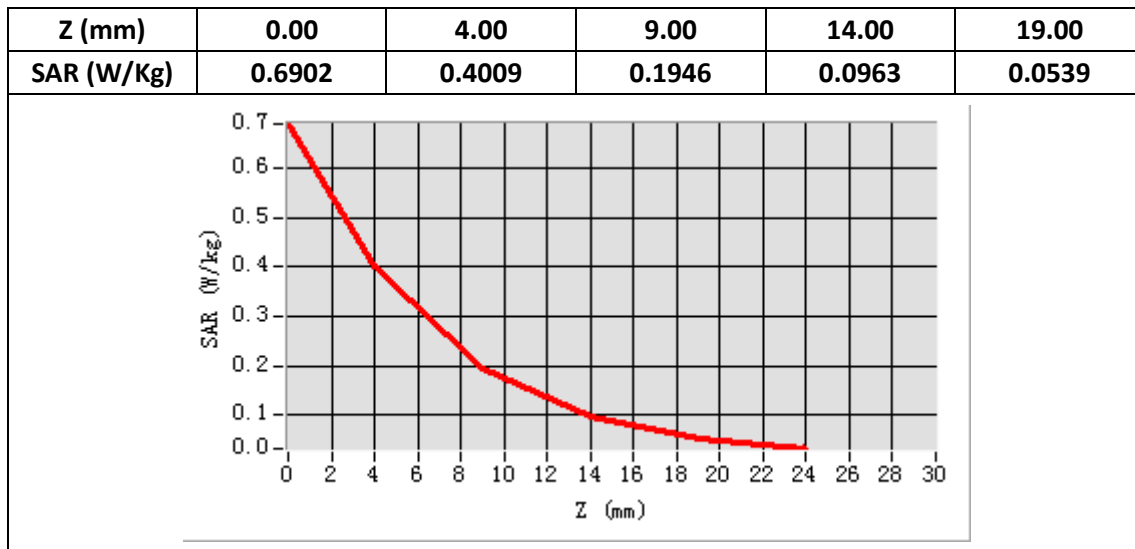
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.5
Relative permittivity (real part)	55.23
Relative permittivity (imaginary part)	21.12
Conductivity (S/m)	0.98
Variation (%)	-3.46
ConvF:	2.11



Maximum location: X=-2.00, Y=16.00

SAR Peak: 0.70W/kg

SAR 10g (W/Kg)	0.190917
SAR 1g (W/Kg)	0.382794



Plot 13: CDMA BC1, Right Cheek, Middle

Type: Phone measurement

Date of measurement: 03/17/2019

Measurement duration: 22 minutes 16 seconds

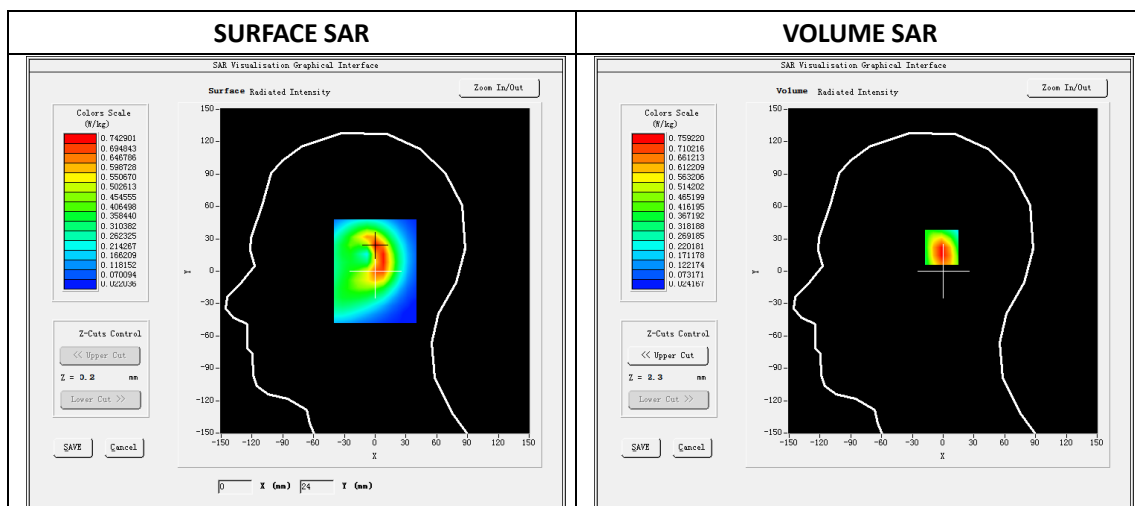
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Cheek
Band	CDMA BC1
Channels	660
Signal	CDMA

B. SAR Measurement Results

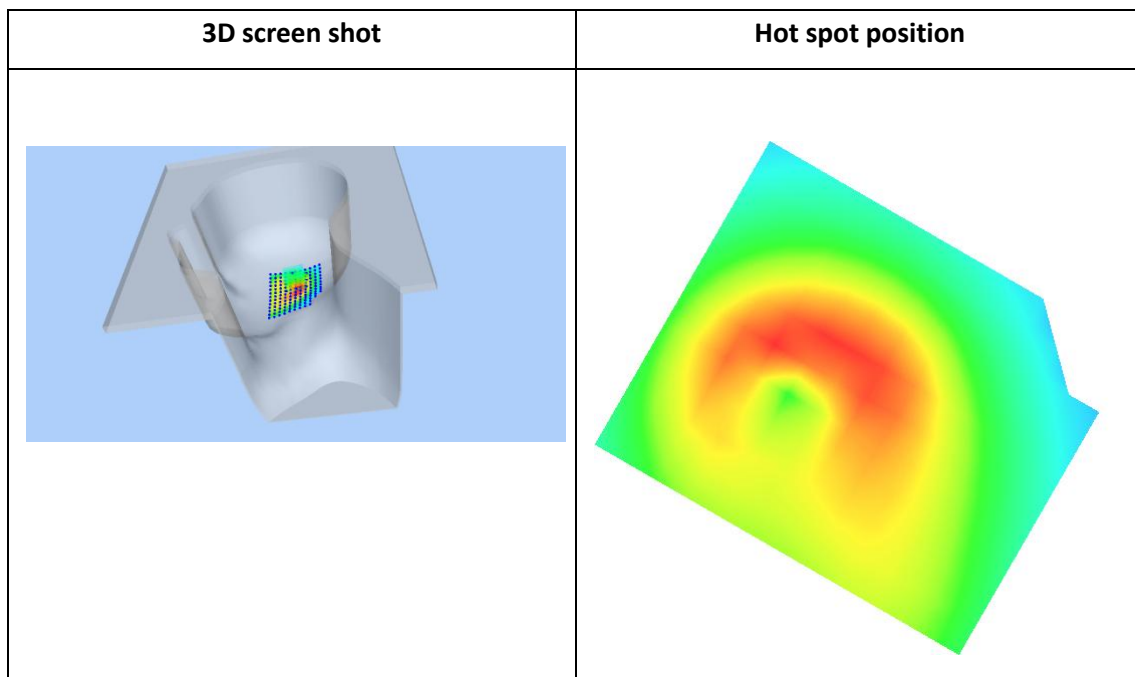
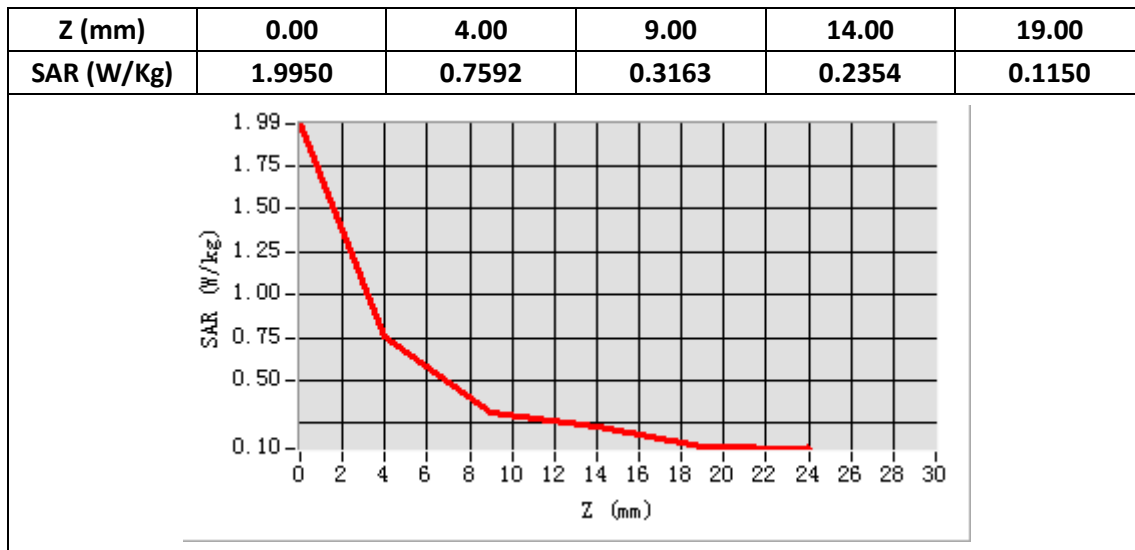
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	40.34
Relative permittivity (imaginary part)	13.10
Conductivity (S/m)	1.31
Variation (%)	-1.57
ConvF:	2.14



Maximum location: X=2.00, Y=23.00

SAR Peak: 1.28W/kg

SAR 10g (W/Kg)	0.402614
SAR 1g (W/Kg)	0.744085



Plot 14: CDMA BC1,Back ,Middle, 10mm

Type: Phone measurement

Date of measurement: 03/17/2019

Measurement duration: 22 minutes 14 seconds

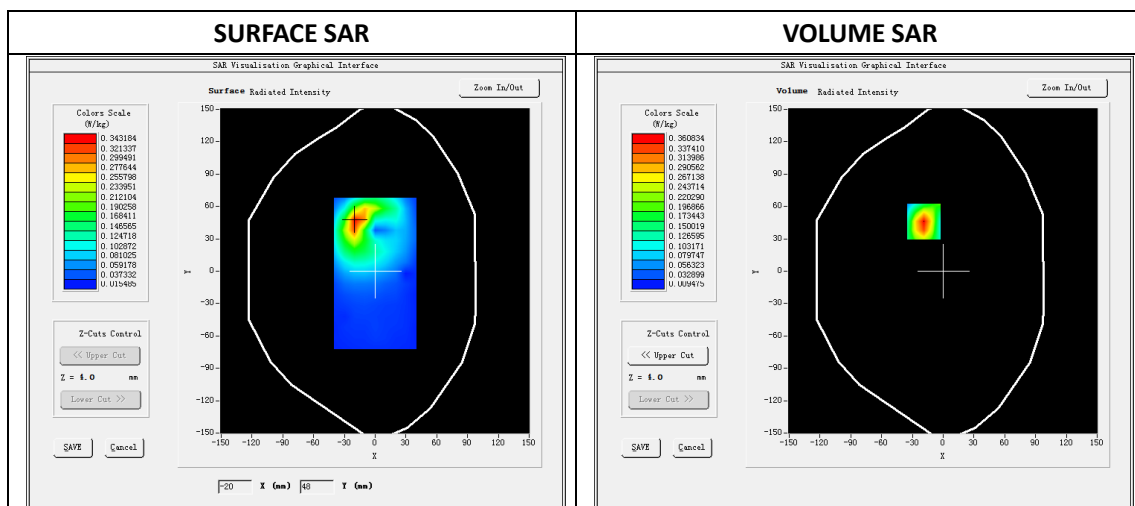
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Middle
Band	CDMA BC1
Channels	6
Signal	CDMA

B. SAR Measurement Results

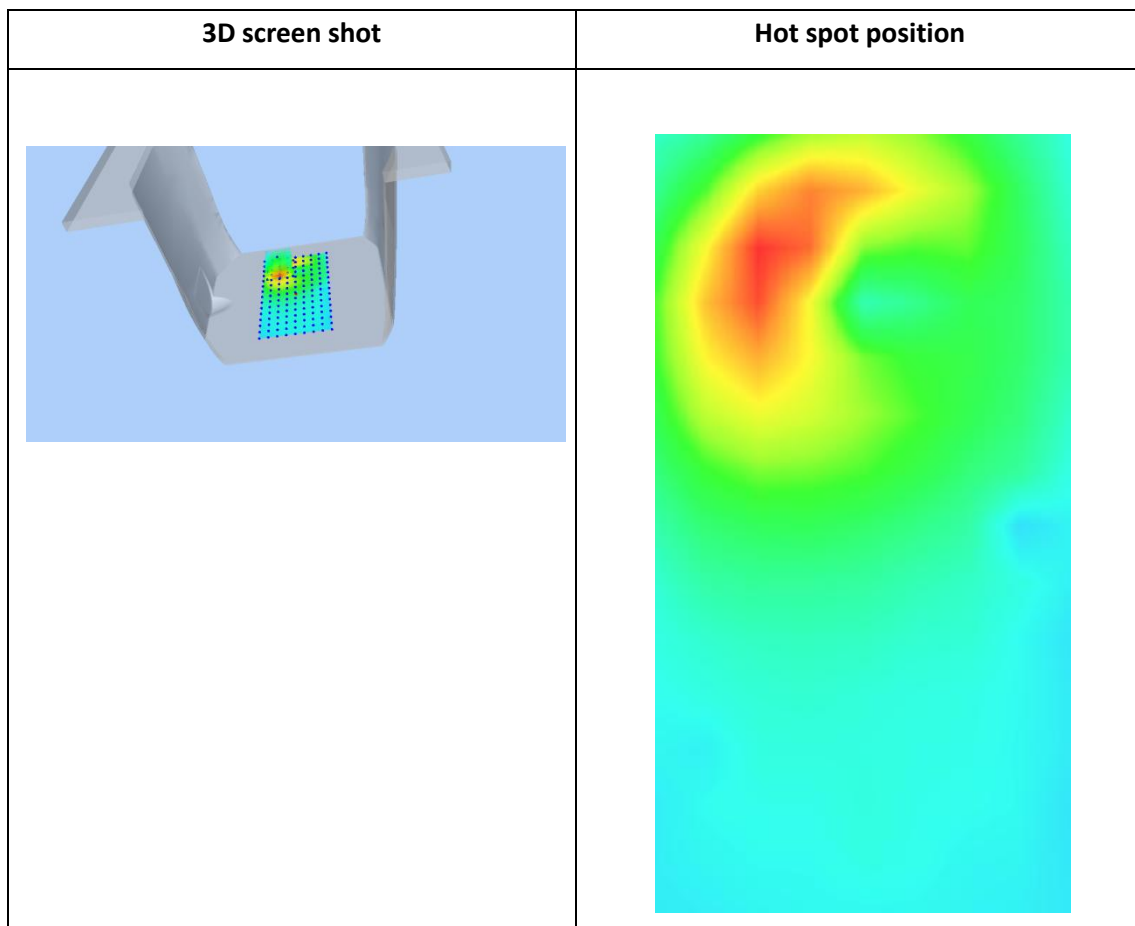
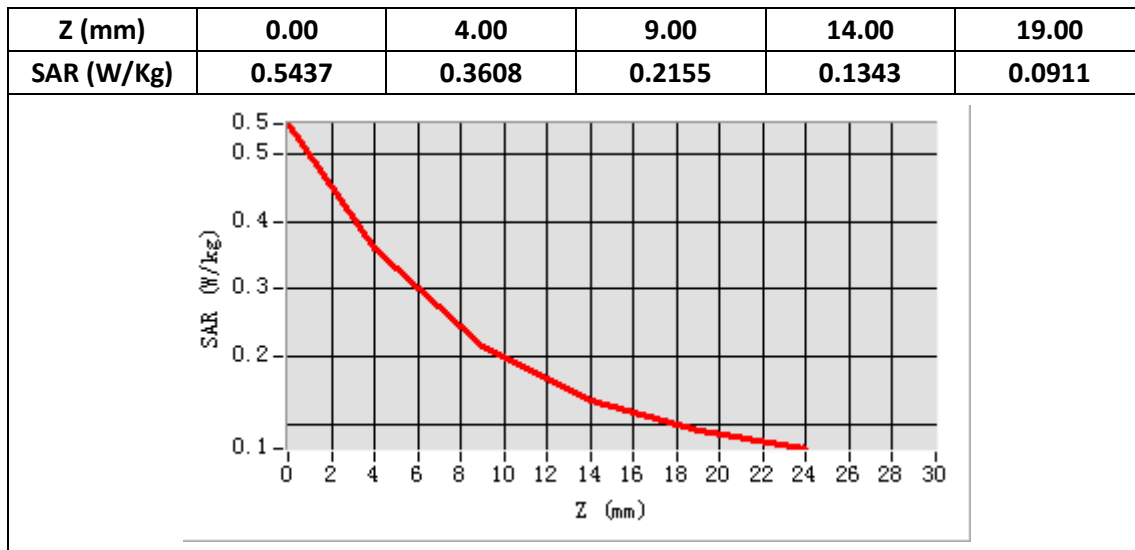
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.39
Relative permittivity (imaginary part)	15.20
Conductivity (S/m)	1.52
Variation (%)	-3.17
ConvF:	2.22



Maximum location: X=-19.00, Y=46.00

SAR Peak: 0.55W/kg

SAR 10g (W/Kg)	0.183863
SAR 1g (W/Kg)	0.341572



Plot 15: LTE Band 2, 20MHz, Right Cheek , Middle

Type: Phone measurement

Date of measurement: 03/18/2019

Measurement duration: 22 minutes 12 seconds

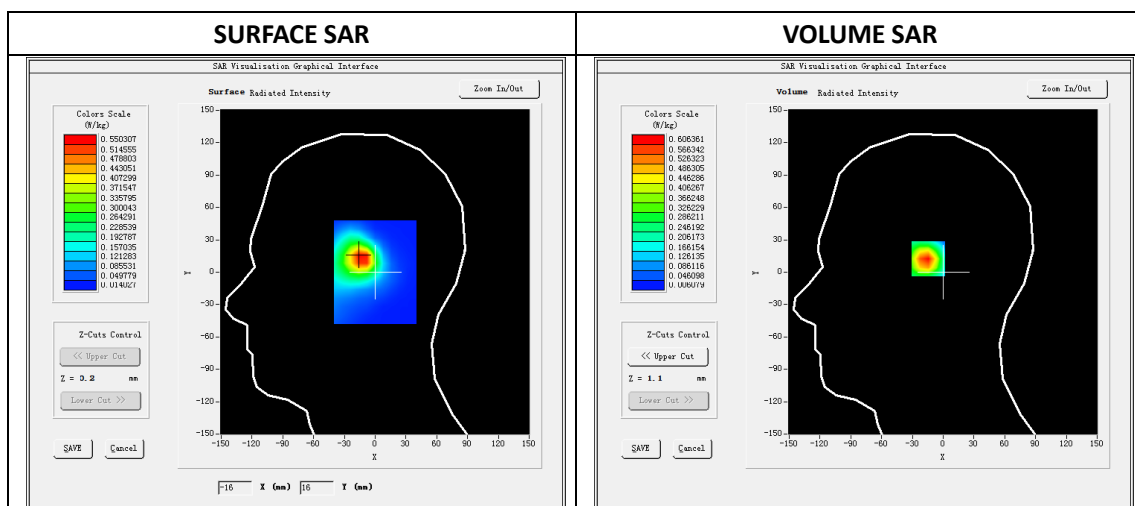
Mobile Phone IMEI number: --

A. Experimental conditions.

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

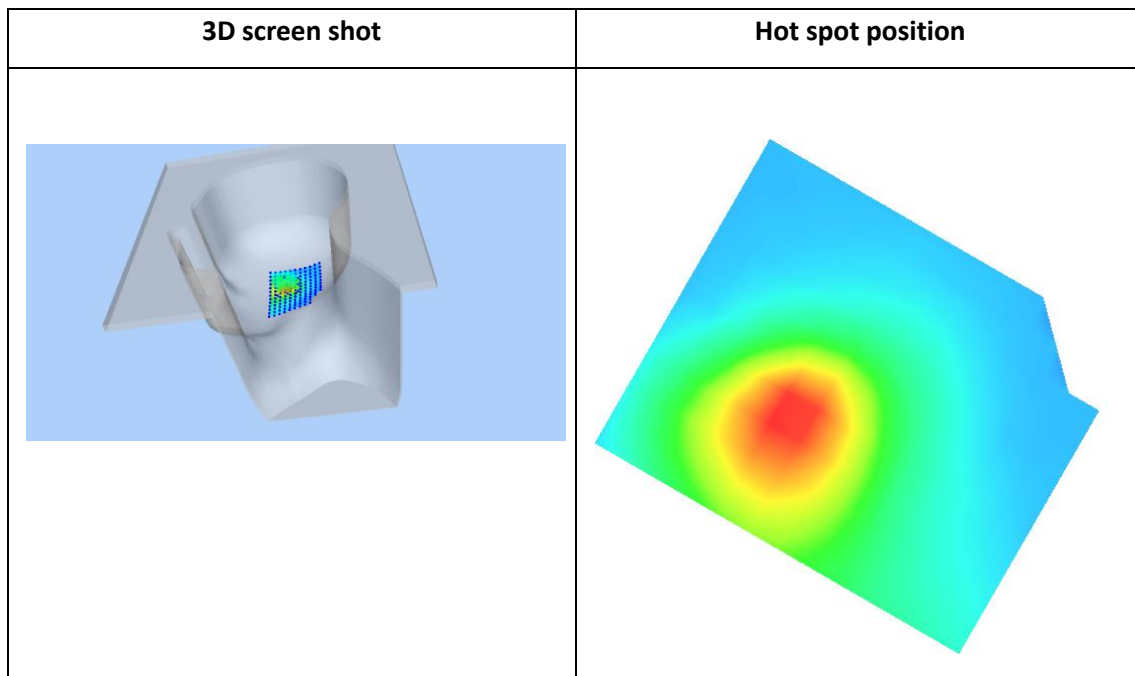
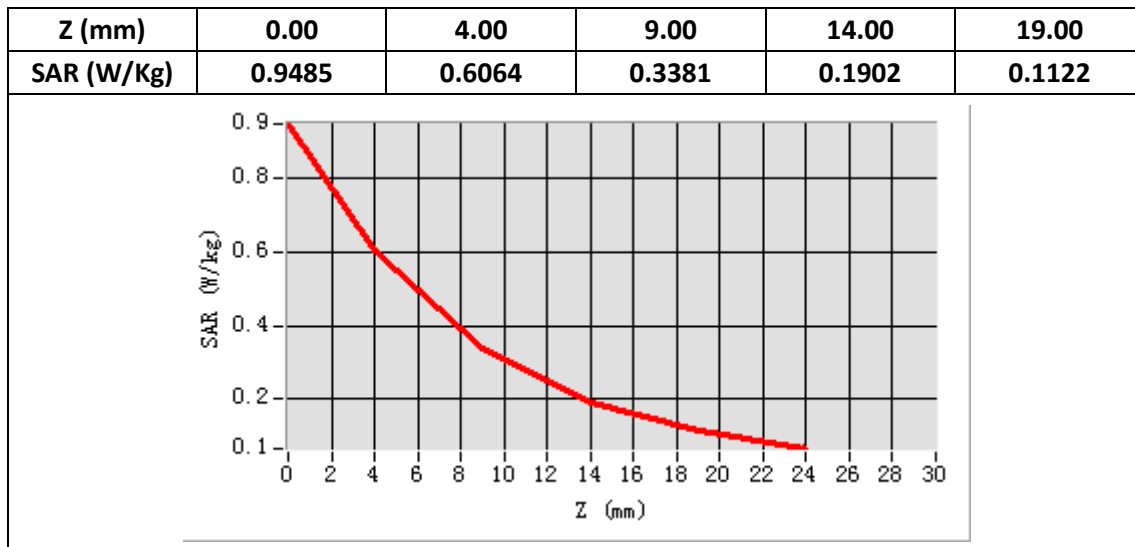
B. SAR Measurement Results

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	40.60
Relative permittivity (imaginary part)	13.16
Conductivity (S/m)	1.39
Variation (%)	-3.32
ConvF:	2.34



Maximum location: X=-12.00, Y=13.00

SAR 10g (W/Kg)	0.287779
SAR 1g (W/Kg)	0.565183



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

Type: Phone measurement

Date of measurement: 03/18/2019

Measurement duration: 22 minutes 35 seconds

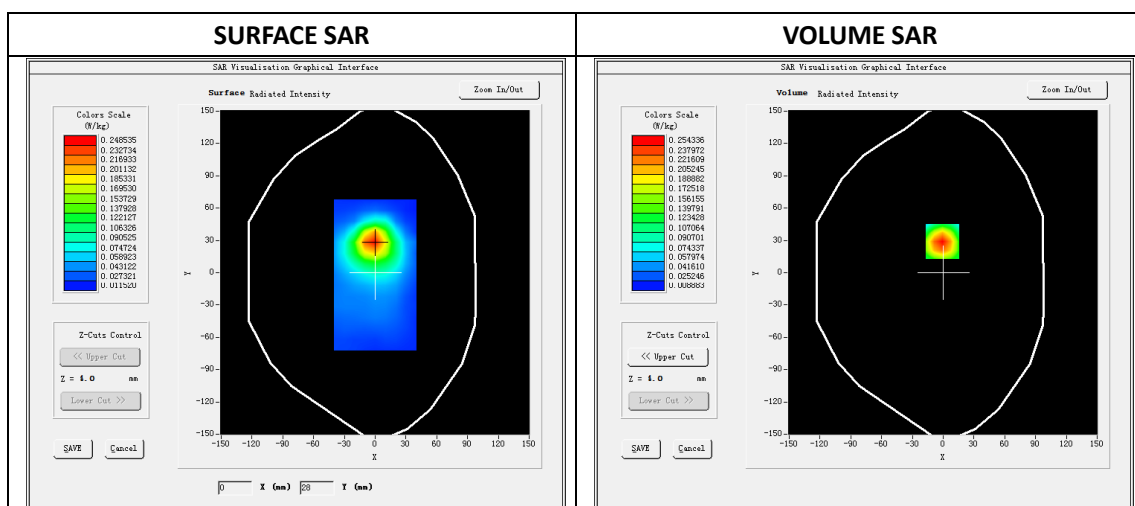
Mobile Phone IMEI number: --

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

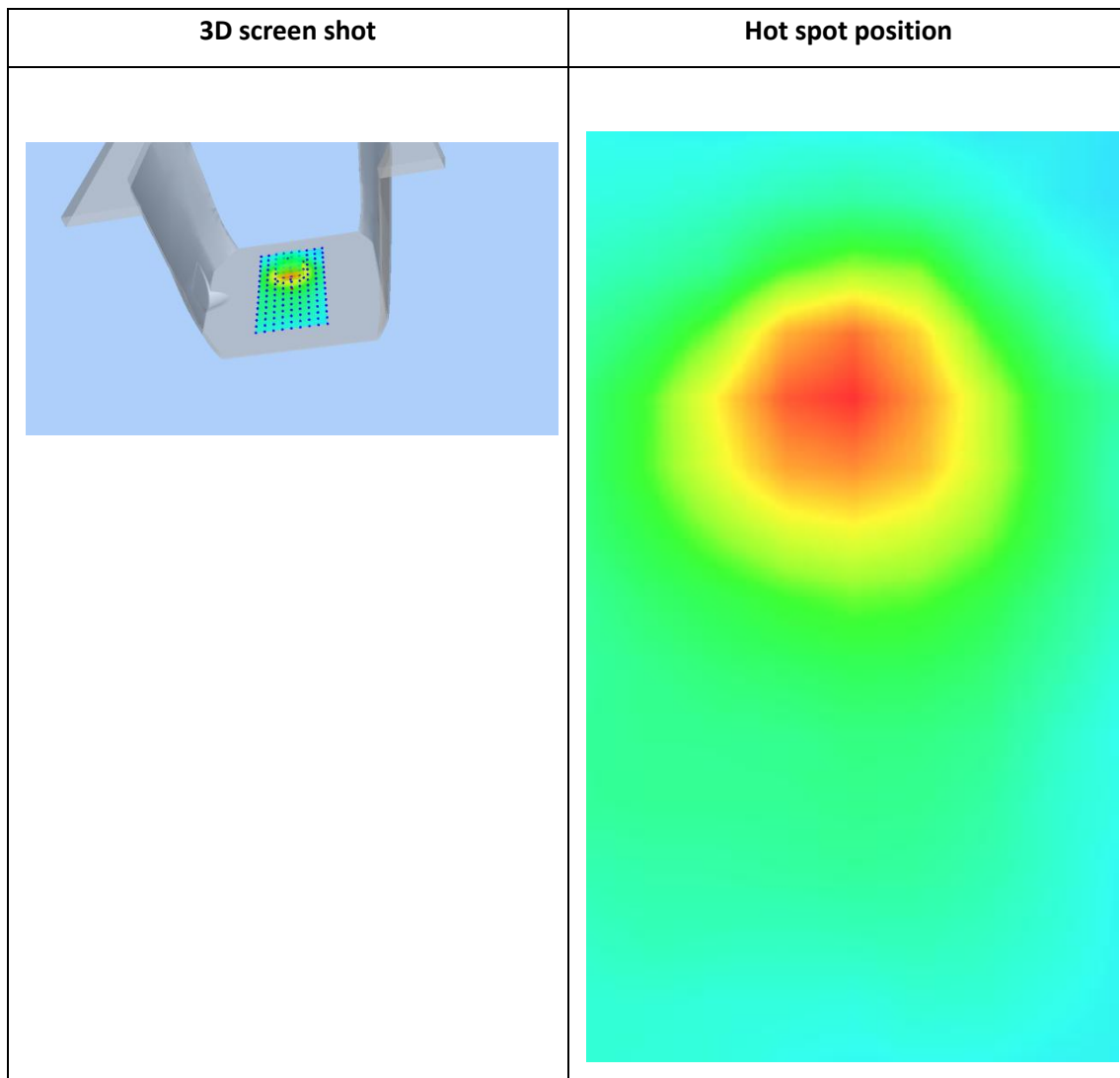
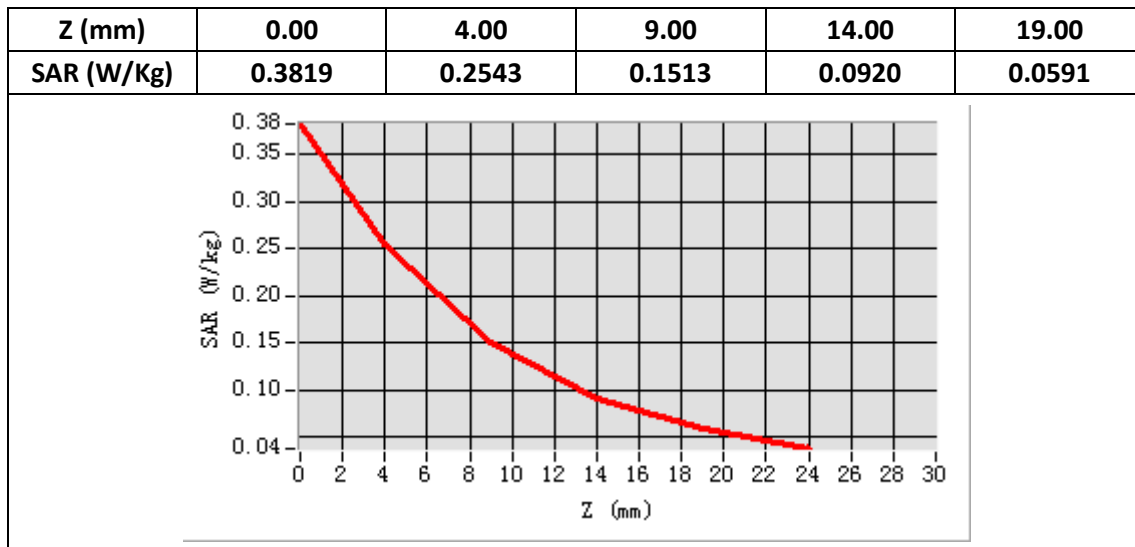
B. SAR Measurement Results

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.42
Relative permittivity (imaginary part)	14.30
Conductivity (S/m)	1.51
Variation (%)	-3.81
ConvF:	2.39



Maximum location: X=-1.00, Y=29.00

SAR 10g (W/Kg)	0.133521
SAR 1g (W/Kg)	0.238230



Plot 17: LTE Band4, 20MHz,Right Cheek, Middle

Type: Phone measurement

Date of measurement: 03/17/2019

Measurement duration: 22 minutes 15 seconds

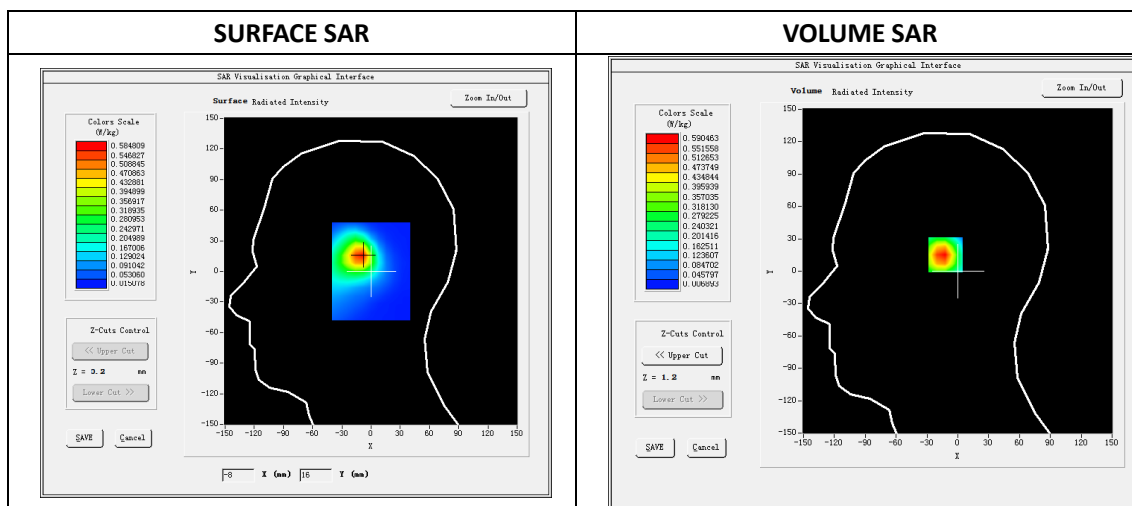
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

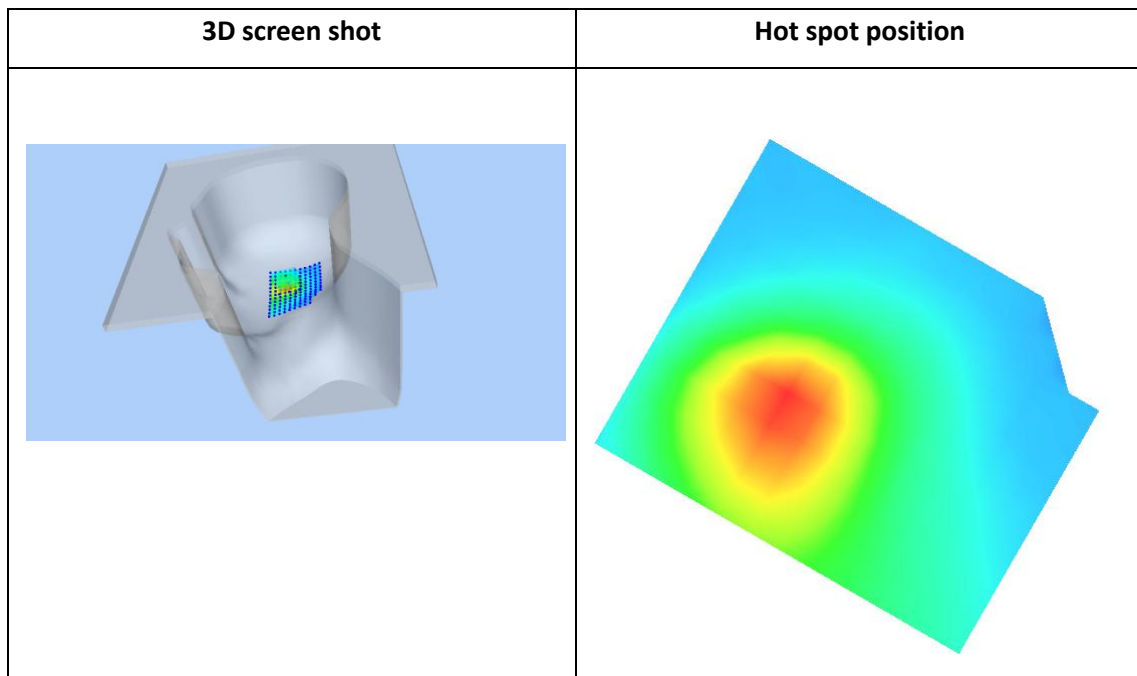
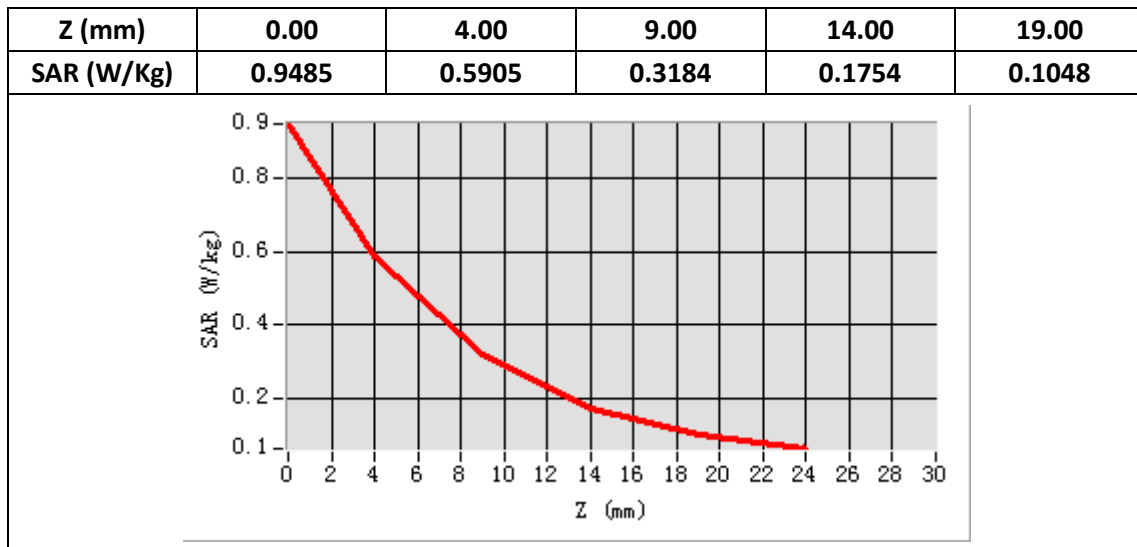
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.5
Relative permittivity (real part)	40.34
Relative permittivity (imaginary part)	13.10
Conductivity (S/m)	1.31
Variation (%)	-1.74
ConvF:	2.14



Maximum location: X=-10.00, Y=16.00

SAR Peak: 0.97 W/kg

SAR 10g (W/Kg)	0.291026
SAR 1g (W/Kg)	0.568688



Plot 18: LTE Band4, 20MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 03/17/2019

Measurement duration: 22 minutes 35 seconds

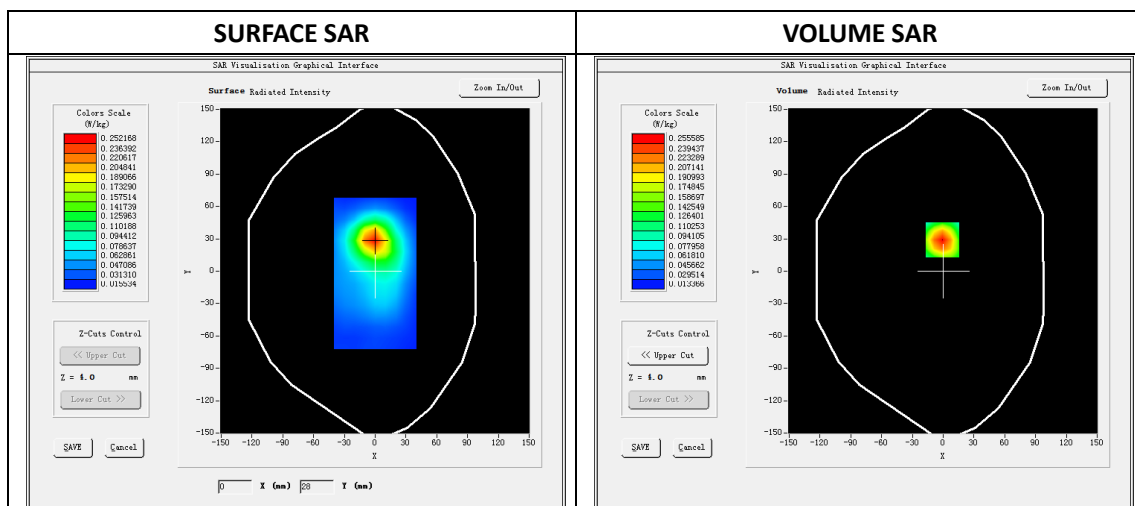
Mobile Phone IMEI number: --

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

B. SAR Measurement Results

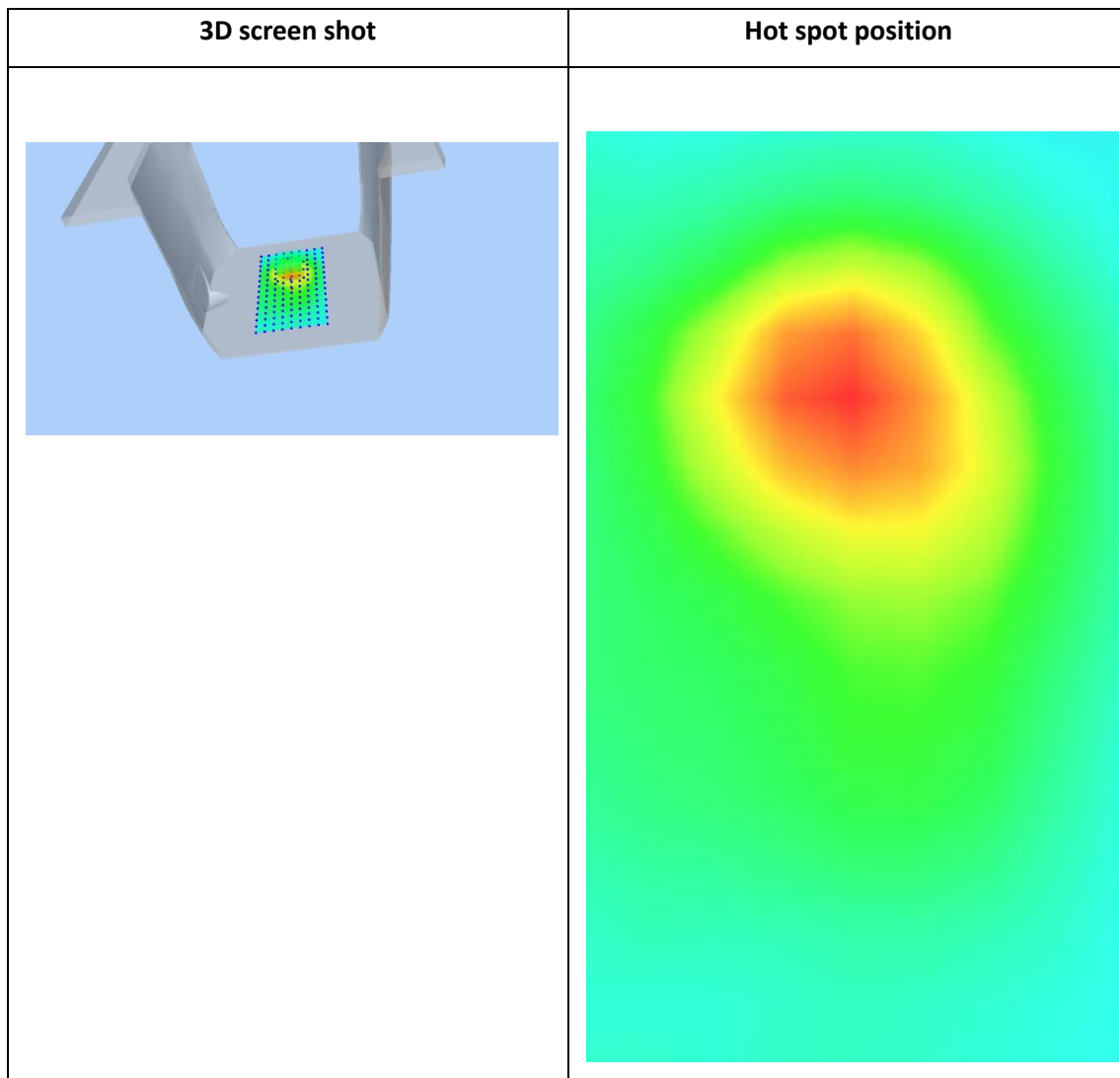
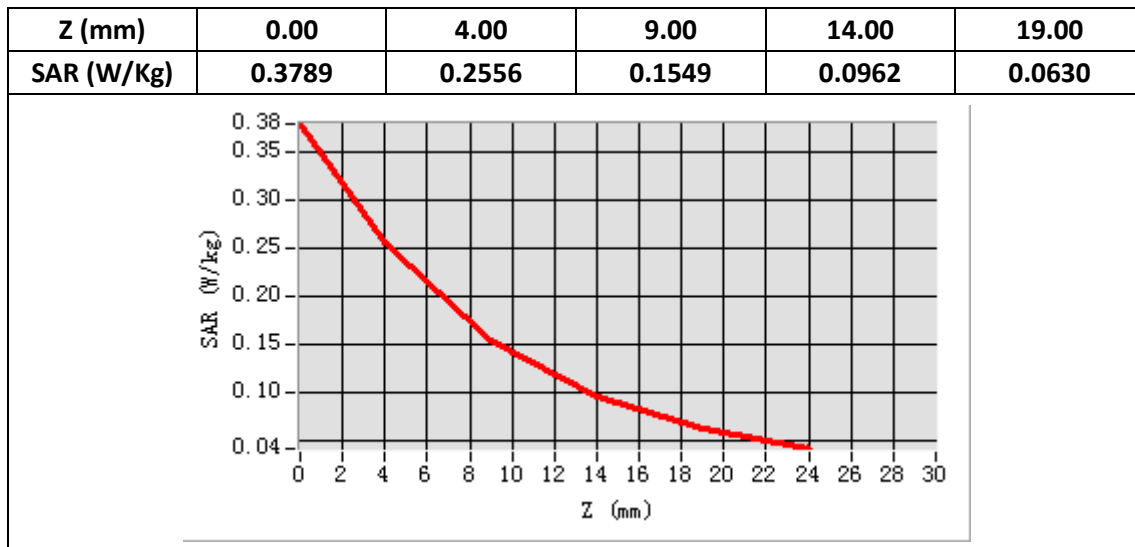
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.5
Relative permittivity (real part)	53.39
Relative permittivity (imaginary part)	15.20
Conductivity (S/m)	1.52
Variation (%)	-4.10
ConvF:	2.22



Maximum location: X=-1.00, Y=29.00

SAR Peak: 0.38 W/kg

SAR 10g (W/Kg)	0.138773
SAR 1g (W/Kg)	0.244298



Plot 19 LTE Band5, 10MHz,Right Cheek, Middle

Type: Phone measurement

Date of measurement: 03/16/2019

Measurement duration: 22 minutes 12 econds

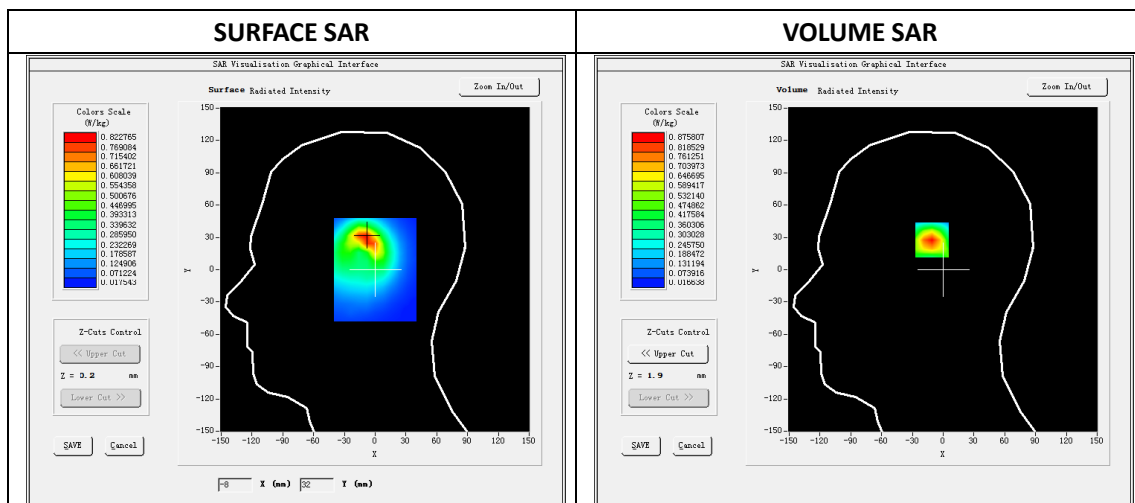
Mobile Phone IMEI number: --

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 5
Channels	20525
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

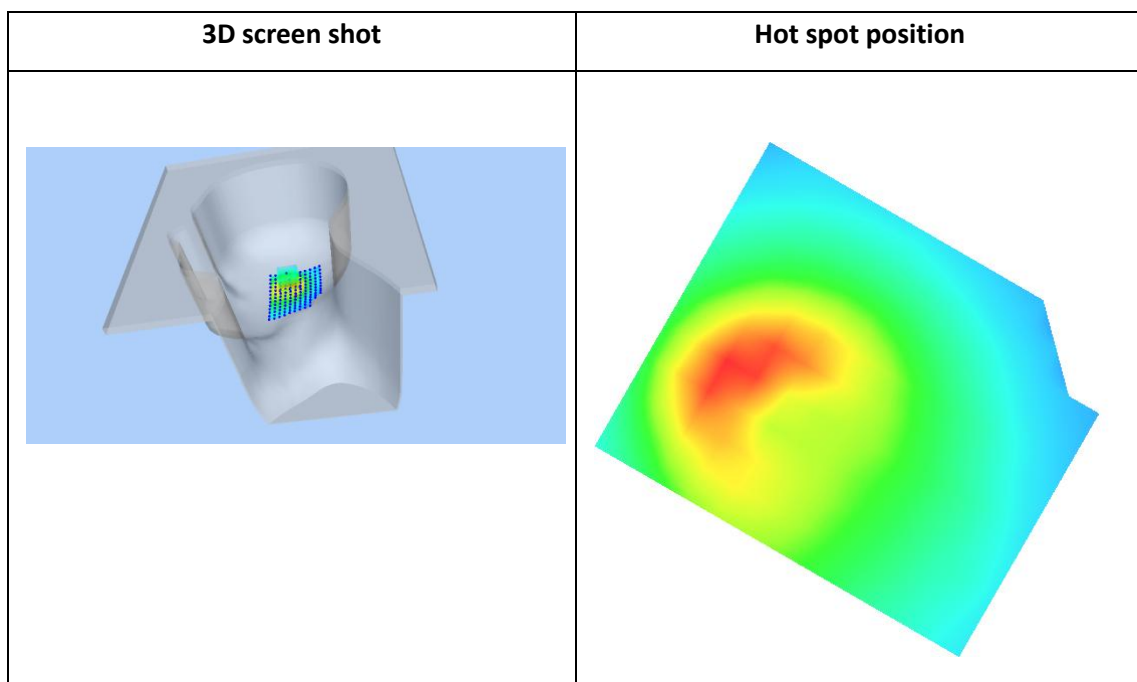
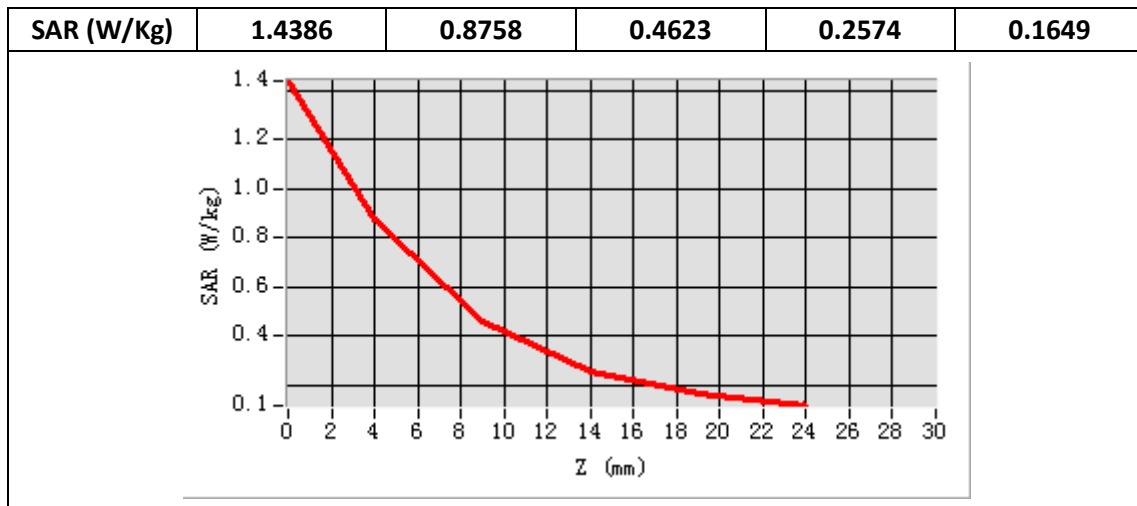
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.5
Relative permittivity (real part)	41.32
Relative permittivity (imaginary part)	18.42
Conductivity (S/m)	0.87
Variation (%)	-1.70
ConvF:	1.92



Maximum location: X=-9.00, Y=30.00

SAR Peak: 1.44 W/kg

SAR 10g (W/Kg)			0.419808		
SAR 1g (W/Kg)			0.724585		
Z (mm)	0.00	4.00	9.00	14.00	19.00



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

Type: Phone measurement

Date of measurement: 03/16/2019

Measurement duration: 22 minutes 37 seconds

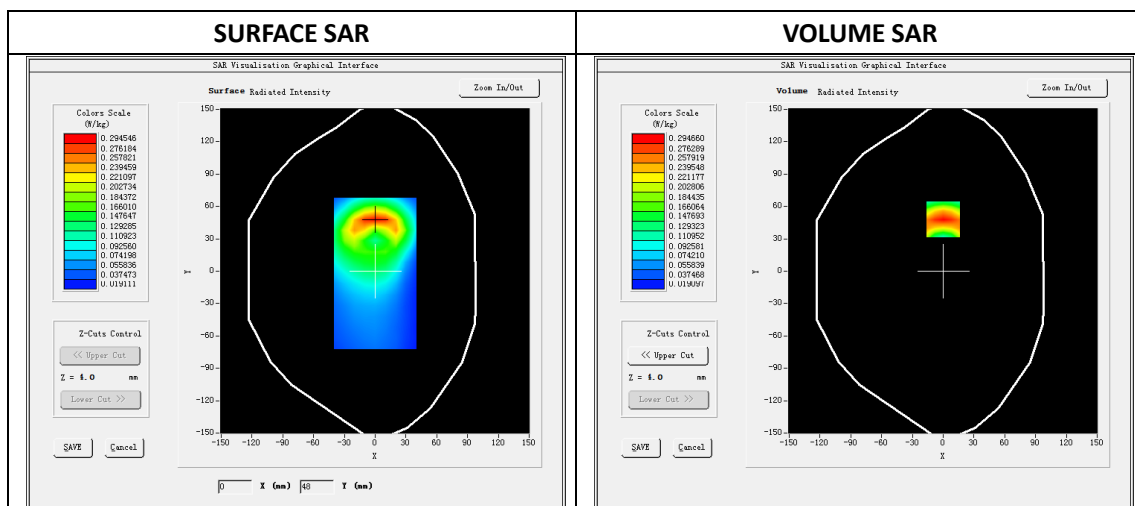
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

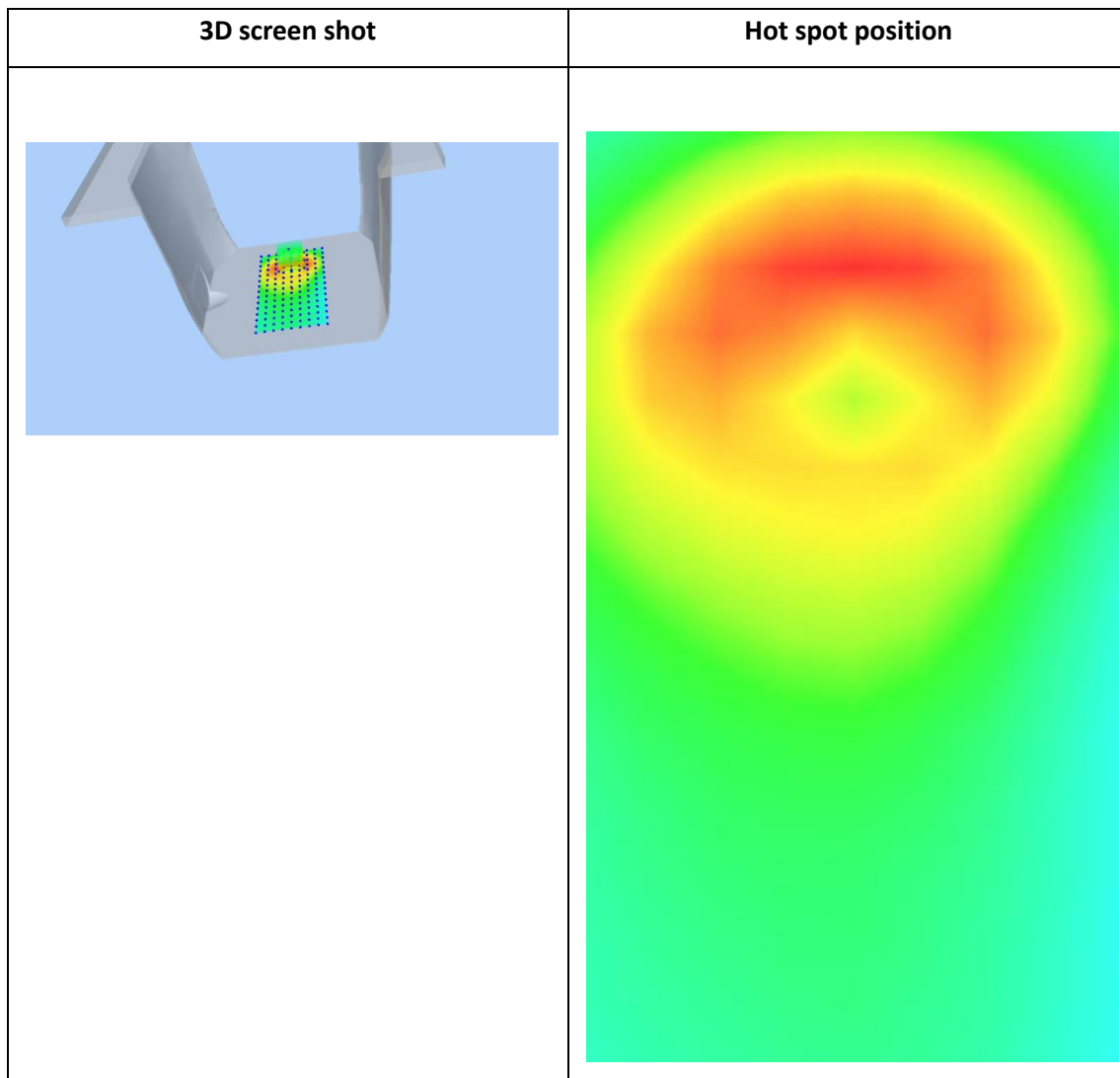
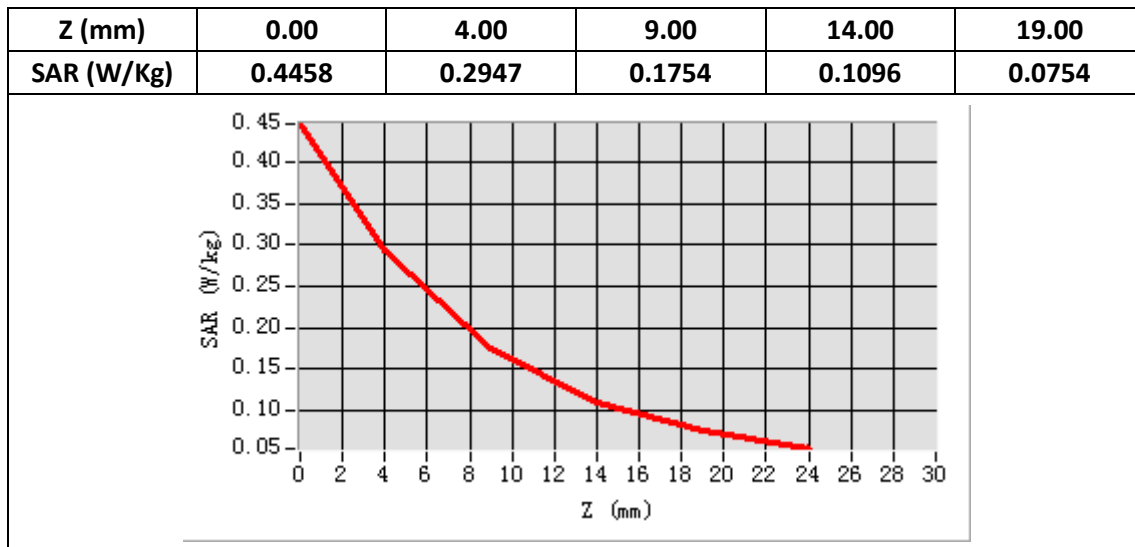
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.5
Relative permittivity (real part)	55.22
Relative permittivity (imaginary part)	20.15
Conductivity (S/m)	0.94
Variation (%)	-3.51
ConvF:	1.99



Maximum location: X=0.00, Y=48.00

SAR Peak: 0.45W/kg

SAR 10g (W/Kg)	0.162771
SAR 1g (W/Kg)	0.280599



Plot 21: LTE Band7, 20MHz,Left Cheek, Middle

Type: Phone measurement

Date of measurement: 03/19/2019

Measurement duration: 22 minutes 11 seconds

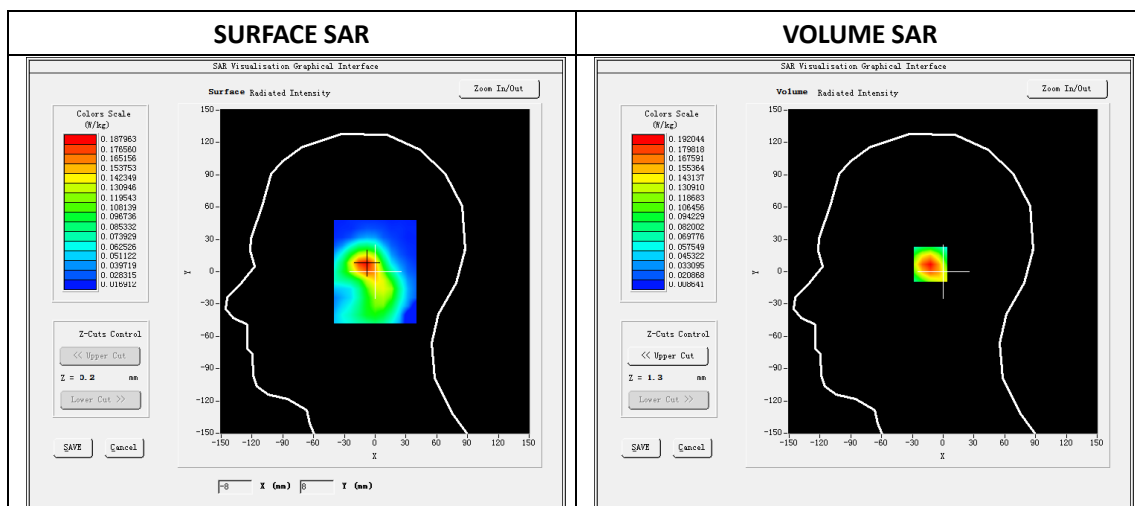
Mobile Phone IMEI number: --

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	21100
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

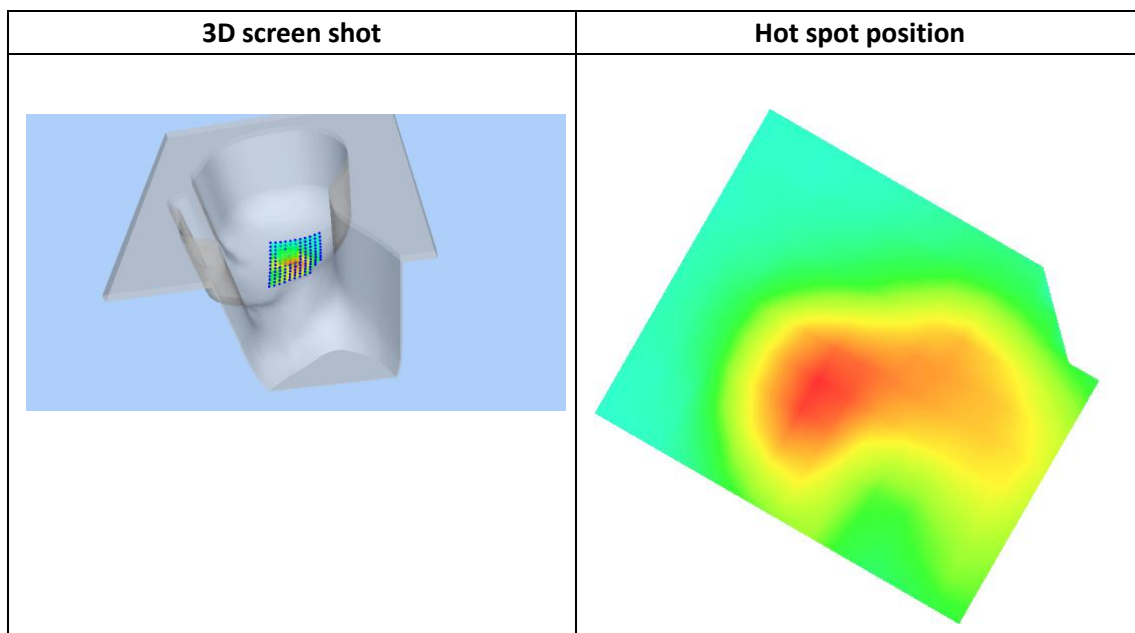
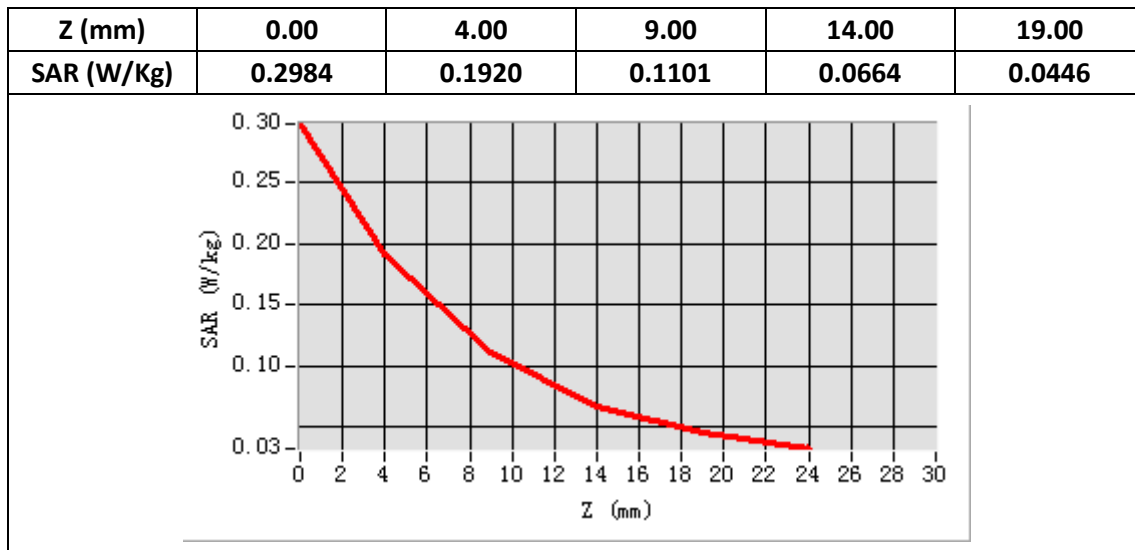
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2535
Relative permittivity (real part)	39.11
Relative permittivity (imaginary part)	13.63
Conductivity (S/m)	1.97
Variation (%)	0.07
ConvF:	2.35



Maximum location: X=-9.00, Y=7.00

SAR Peak: 0.30 W/kg

SAR 10g (W/Kg)	0.093169
SAR 1g (W/Kg)	0.155171



Plot 22 LTE Band7, 20MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 03/19/2019

Measurement duration: 22 minutes 12 seconds

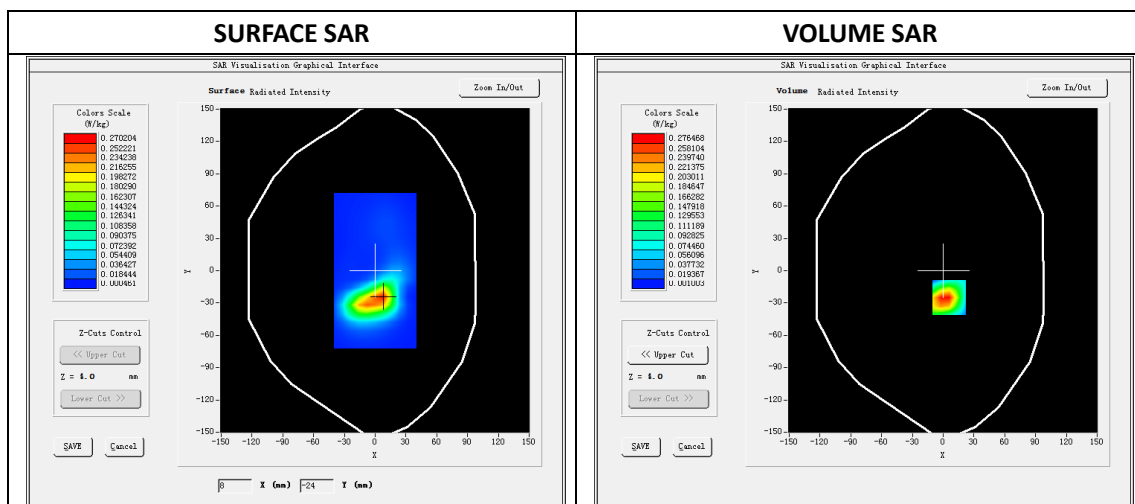
Mobile Phone IMEI number: --

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	21100
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

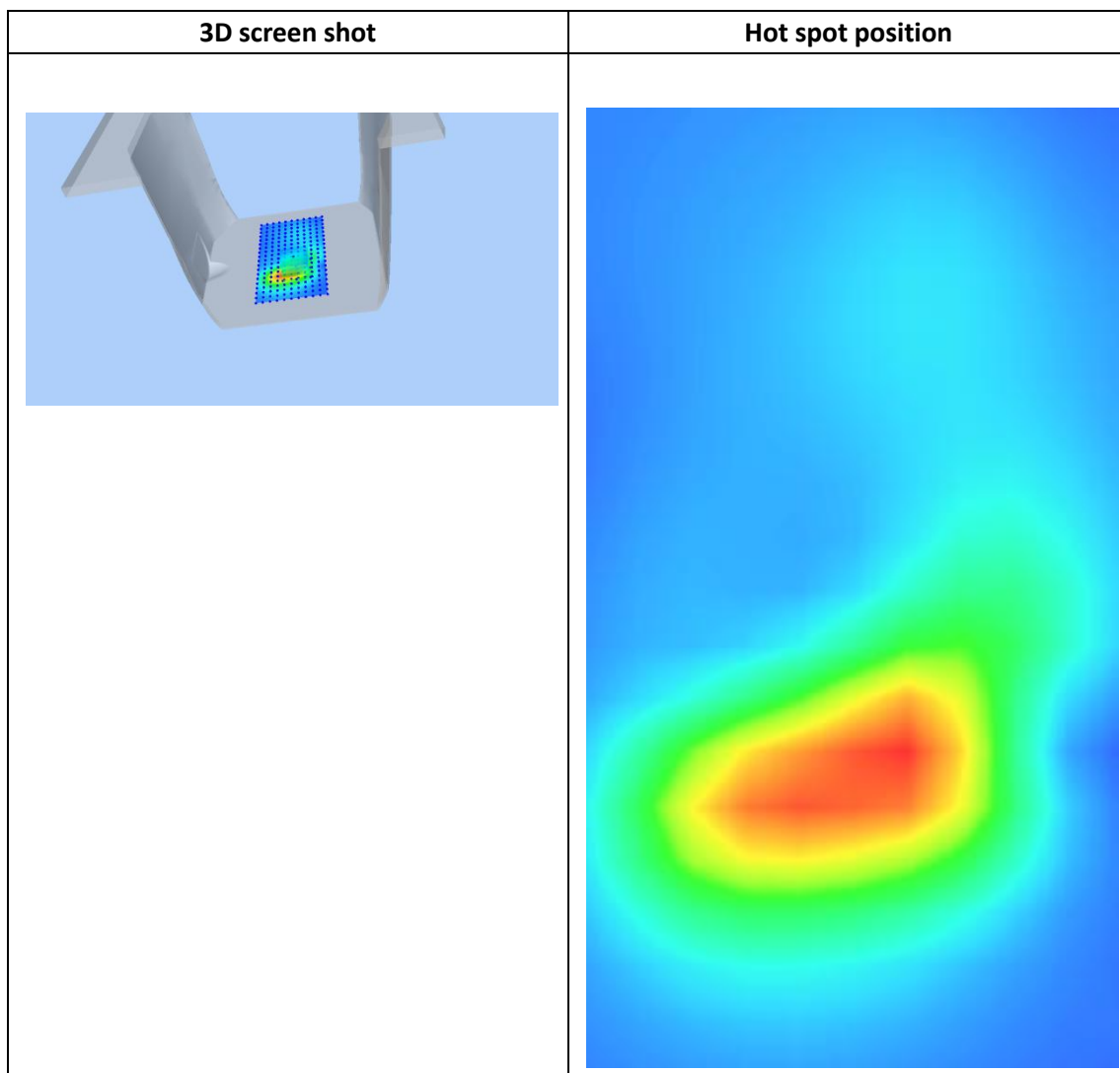
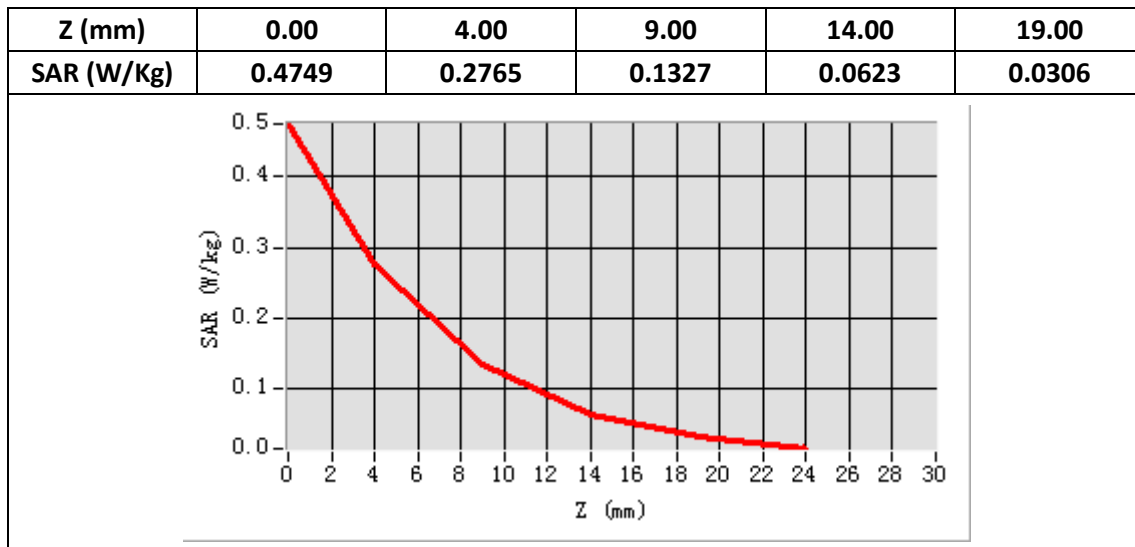
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2535
Relative permittivity (real part)	52.28
Relative permittivity (imaginary part)	14.60
Conductivity (S/m)	2.11
Variation (%)	-1.86
ConvF:	2.43



Maximum location: X=6.00, Y=-25.00

SAR Peak: 0.50 W/kg

SAR 10g (W/Kg)	0.122343
SAR 1g (W/Kg)	0.260242



Plot 23 LTE Band12, 10MHz,Right Cheek, Middle

Type: Phone measurement

Date of measurement: 03/15/2019

Measurement duration: 22 minutes 26 seconds

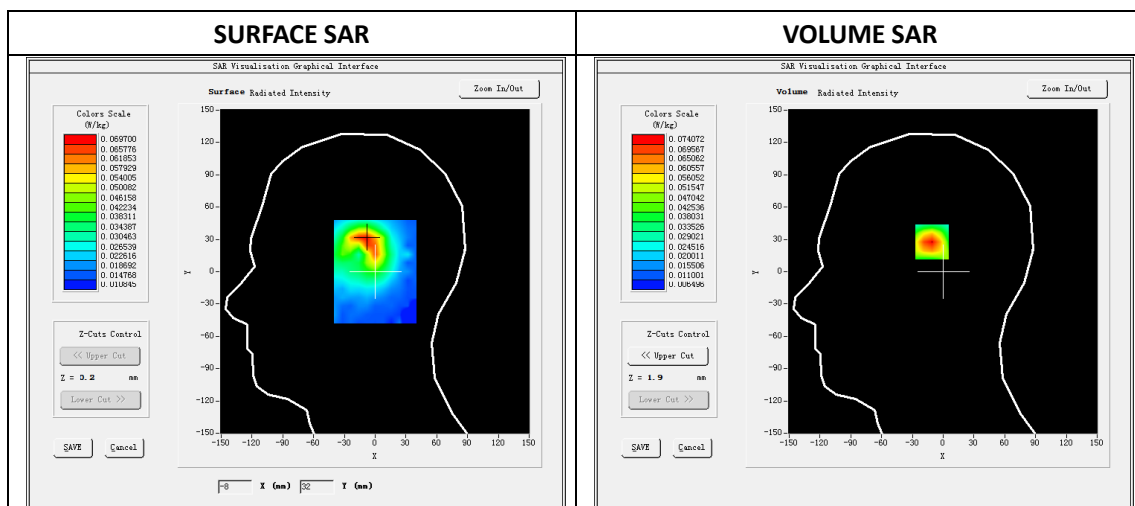
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

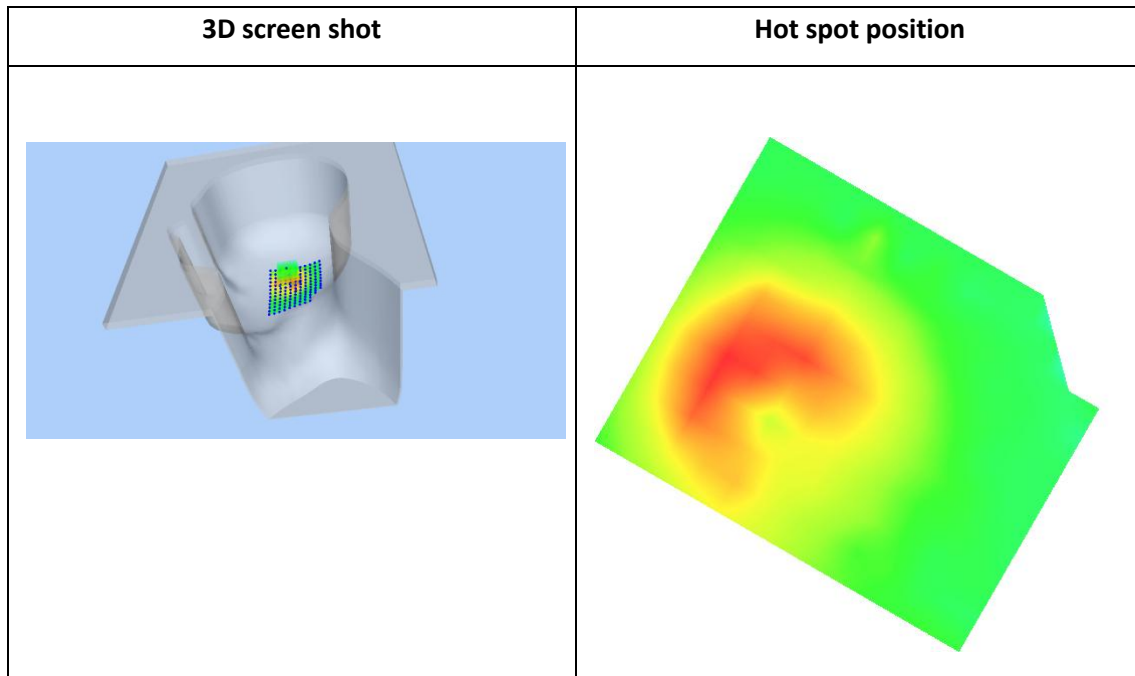
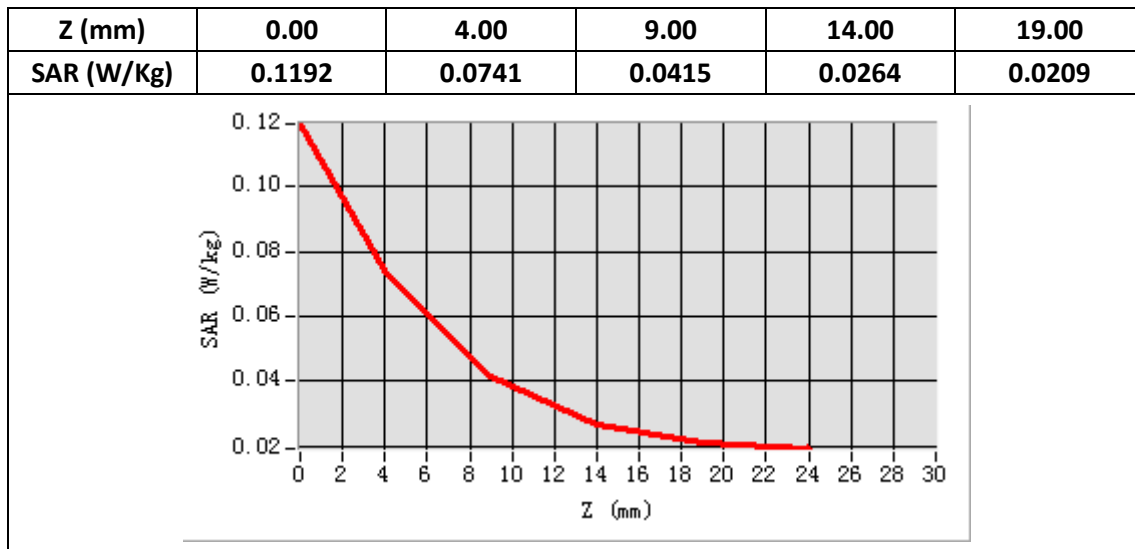
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	707.5
Relative permittivity (real part)	41.95
Relative permittivity (imaginary part)	22.08
Conductivity (S/m)	0.92
Variation (%)	-2.95
ConvF:	1.87



Maximum location: X=-9.00, Y=30.00

SAR Peak: 0.12 W/kg

SAR 10g (W/Kg)	0.041575
SAR 1g (W/Kg)	0.071581



Plot 24 LTE Band12, 10MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 03/15/2019

Measurement duration: 22 minutes 12 seconds

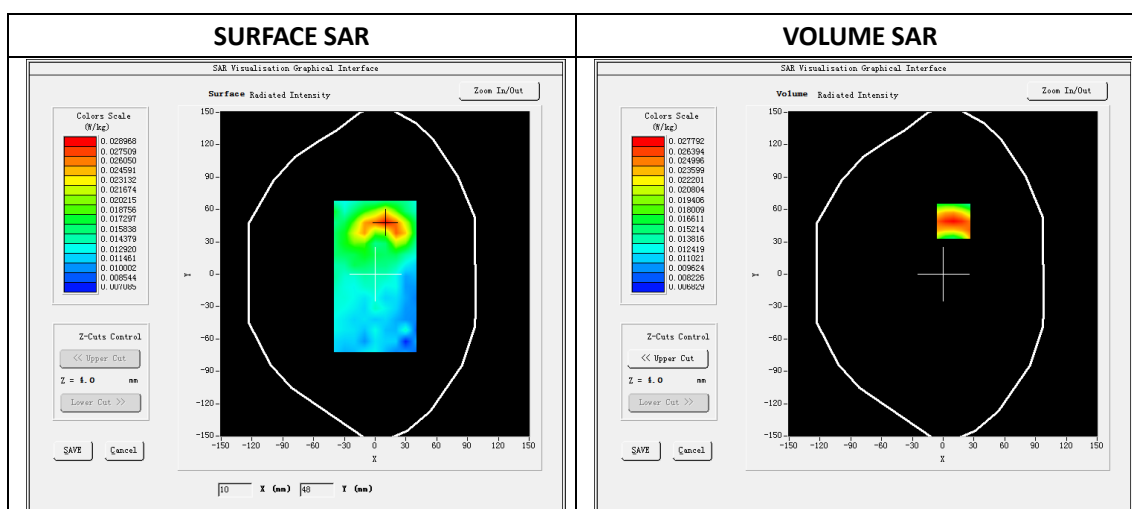
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

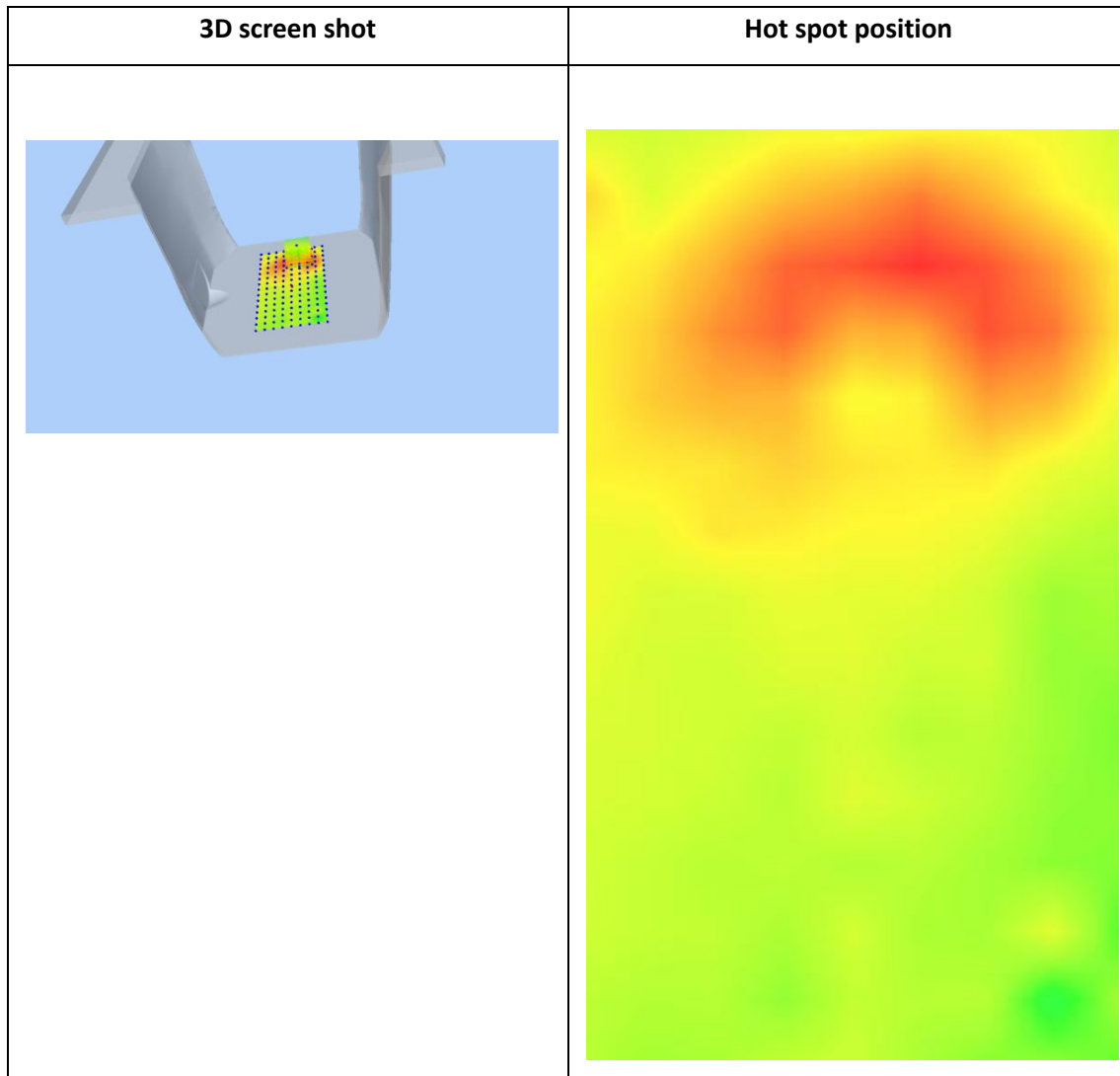
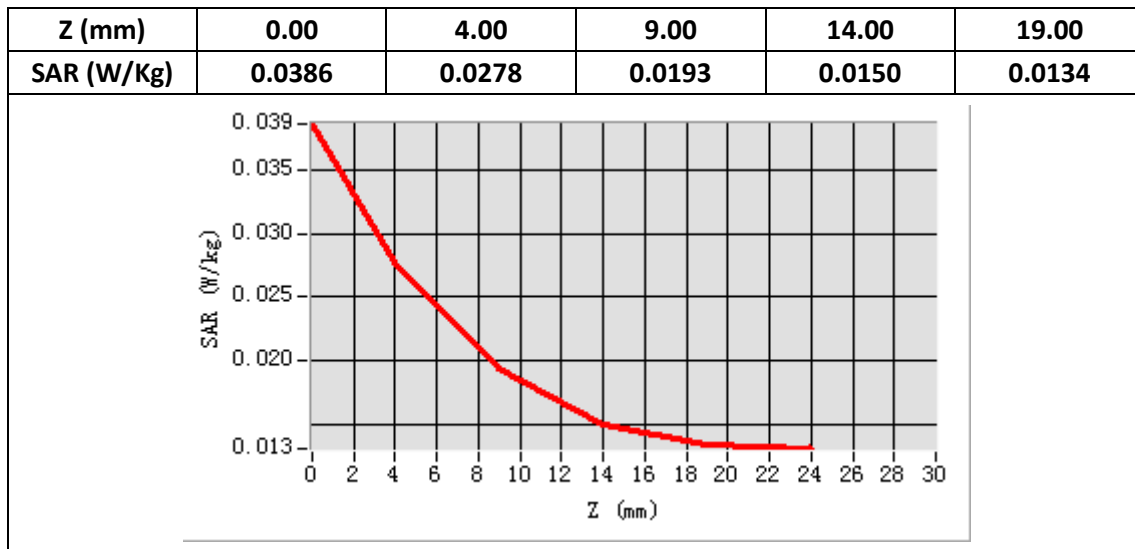
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	707.5
Relative permittivity (real part)	55.53
Relative permittivity (imaginary part)	22.80
Conductivity (S/m)	0.95
Variation (%)	1.13
ConvF:	1.93



Maximum location: X=10.00, Y=49.00

SAR Peak: 0.04W/kg

SAR 10g (W/Kg)	0.018938
SAR 1g (W/Kg)	0.026814



Plot 25:LTE Band17, 10MHz,Right Check, Middle

Type: Phone measurement

Date of measurement: 03/15/2019

Measurement duration: 22 minutes 43 seconds

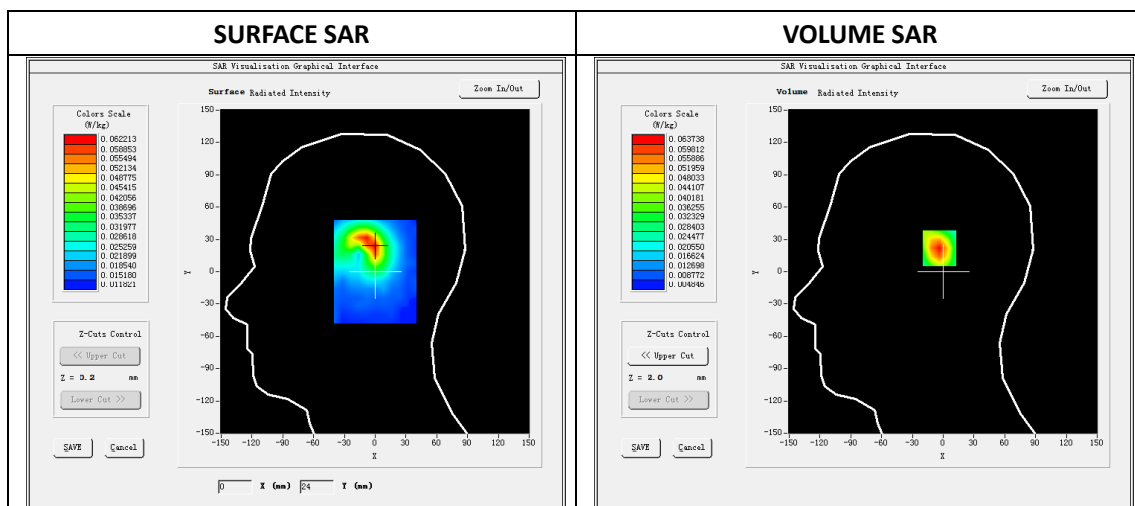
Mobile Phone IMEI number: --

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

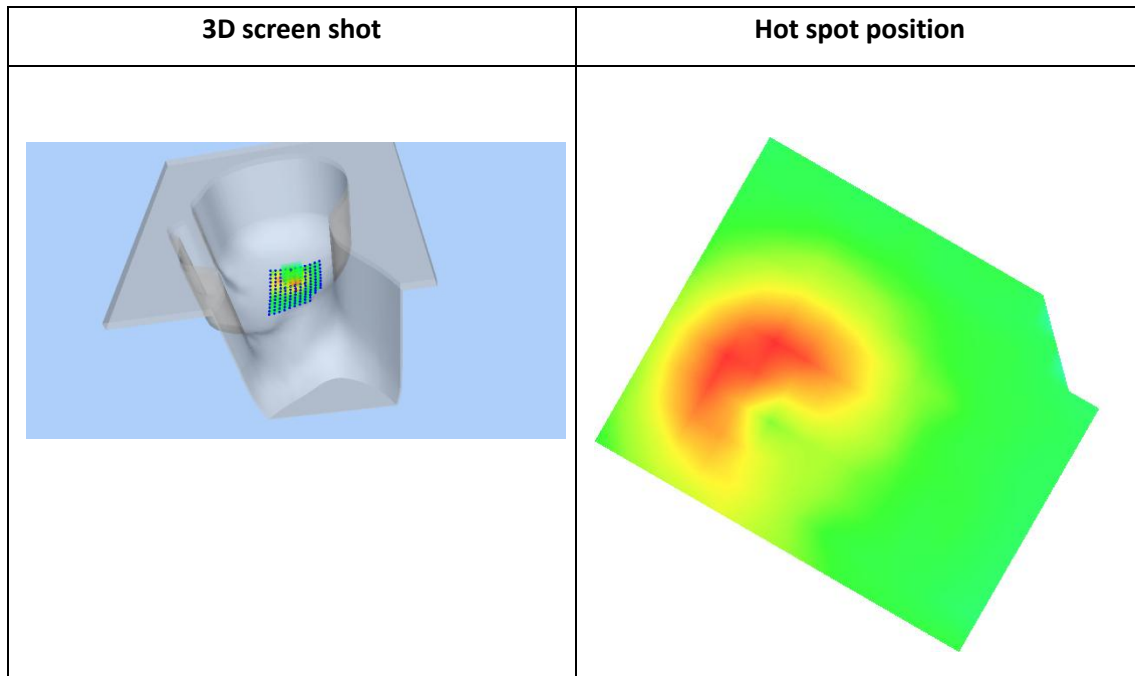
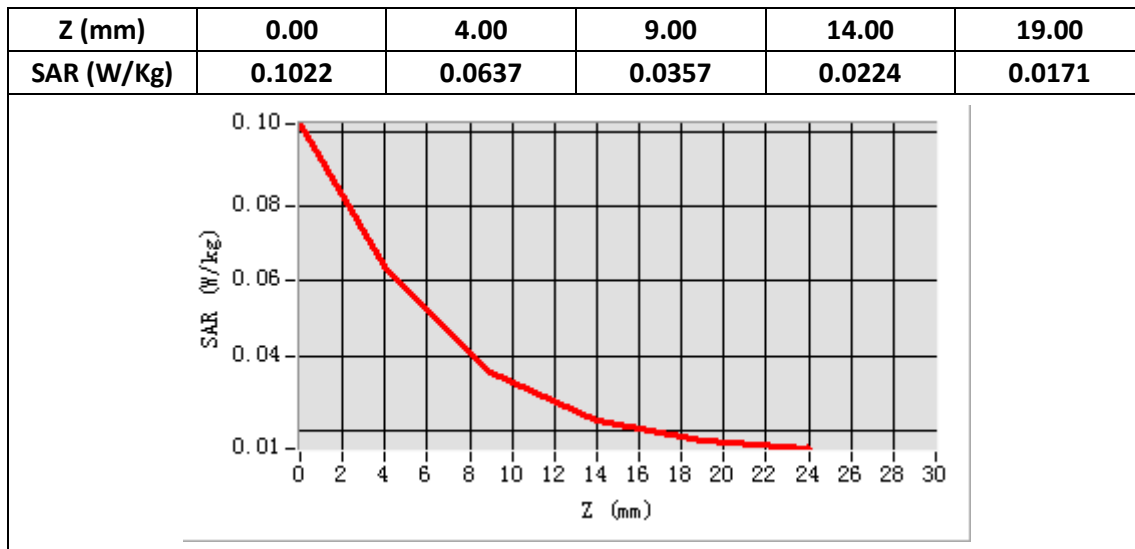
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	710
Relative permittivity (real part)	41.95
Relative permittivity (imaginary part)	22.08
Conductivity (S/m)	0.92
Variation (%)	-2.87
ConvF:	1.87



Maximum location: X=-1.00, Y=23.00

SAR Peak: 0.10 W/kg

SAR 10g (W/Kg)	0.017041
SAR 1g (W/Kg)	0.035233



Plot 26 LTE Band17, 10MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 03/15/2019

Measurement duration: 22 minutes 09 seconds

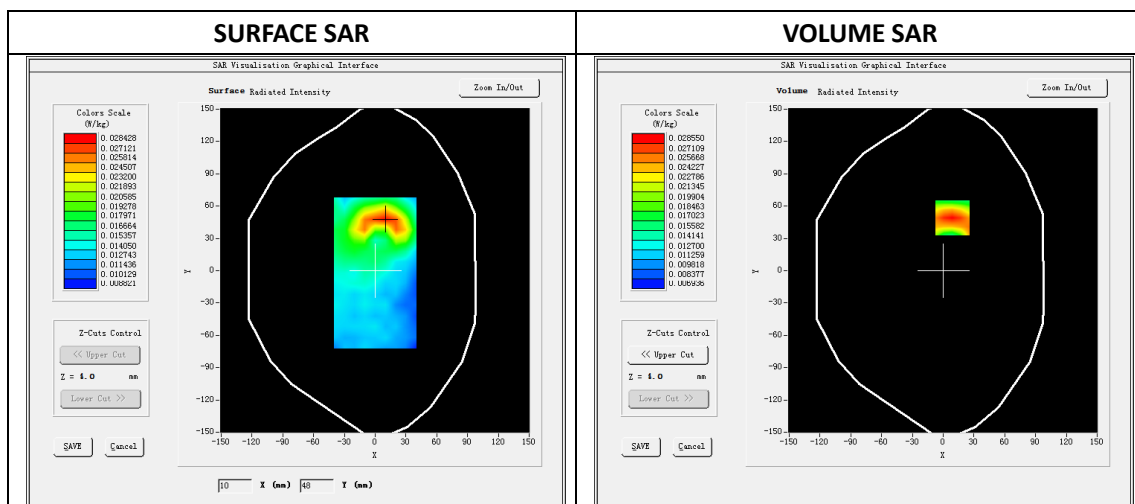
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

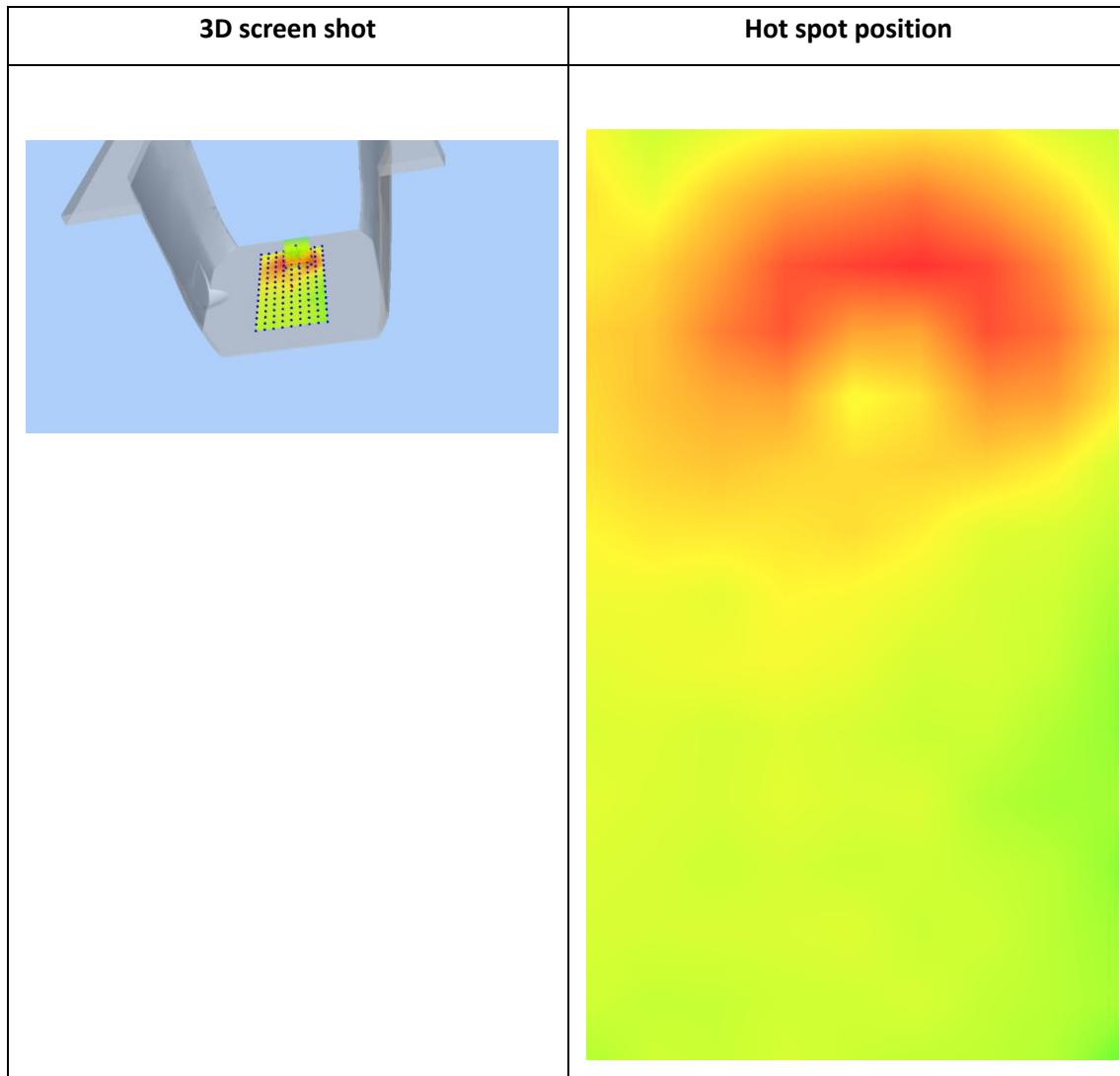
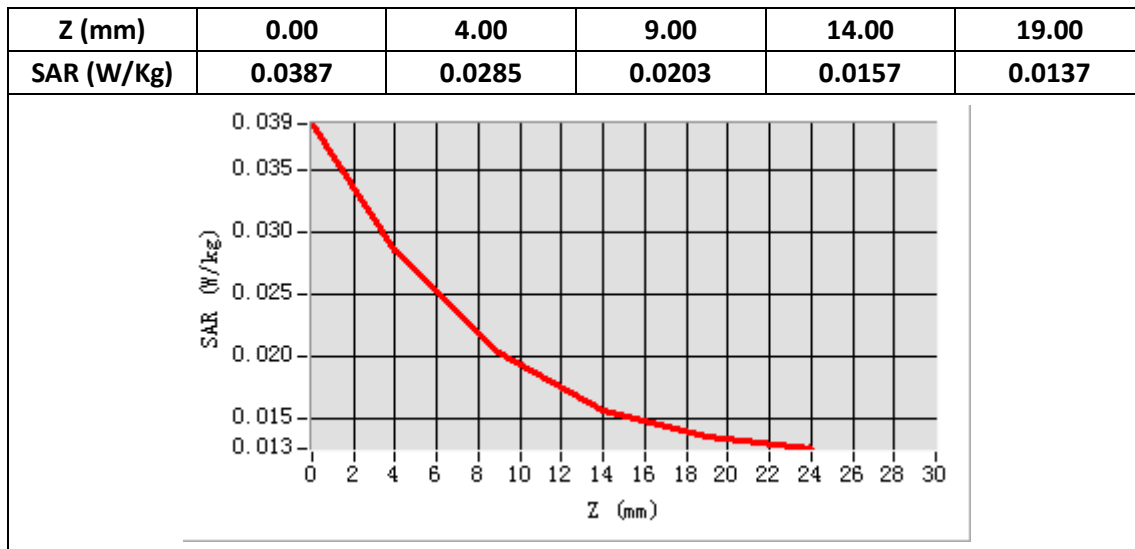
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	710
Relative permittivity (real part)	55.53
Relative permittivity (imaginary part)	22.80
Conductivity (S/m)	0.95
Variation (%)	-1.74
ConvF:	1.93



Maximum location: X=9.00, Y=49.00

SAR Peak: 0.04W/kg

SAR 10g (W/Kg)	0.019413
SAR 1g (W/Kg)	0.027757



Plot 27: LTE Band25, 20MHz,Right Cheek, Middle

Type: Phone measurement

Date of measurement: 03/18/2019

Measurement duration: 22 minutes 06 seconds

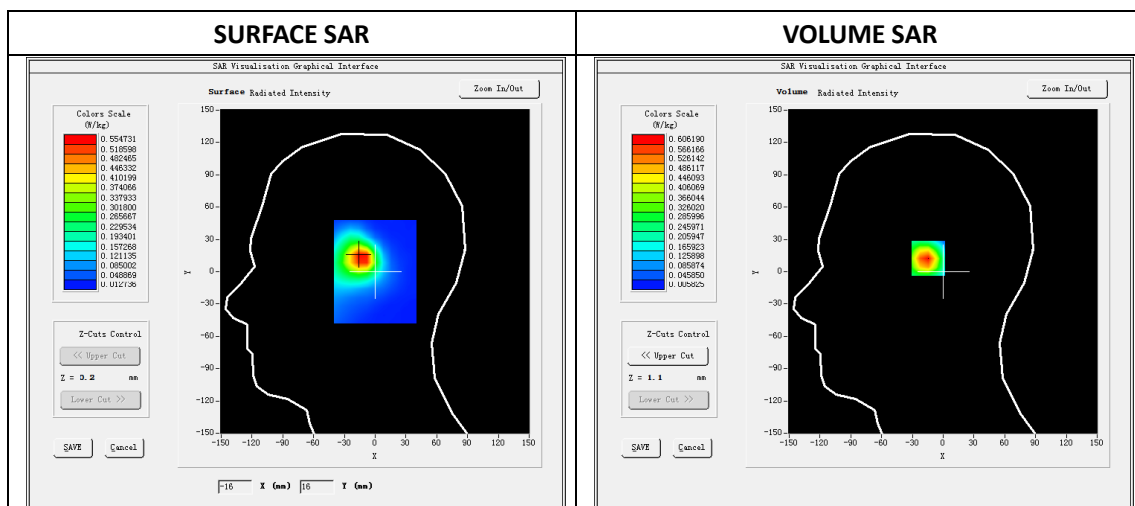
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Cheek
Band	LTE Band 25
Channels	26365
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

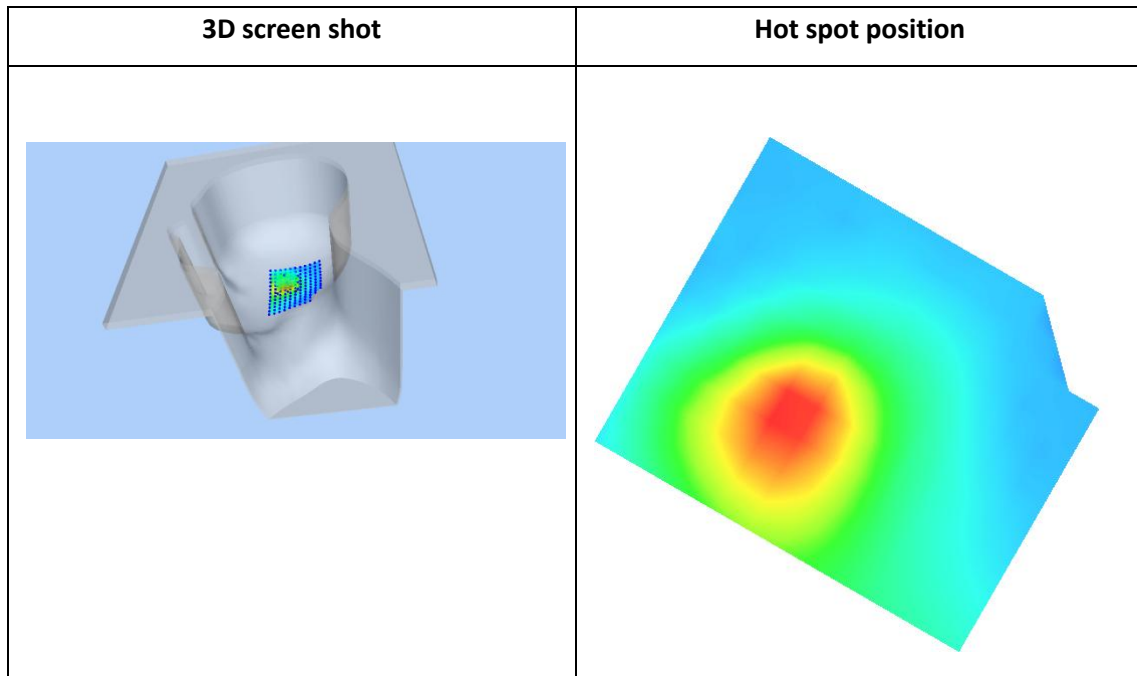
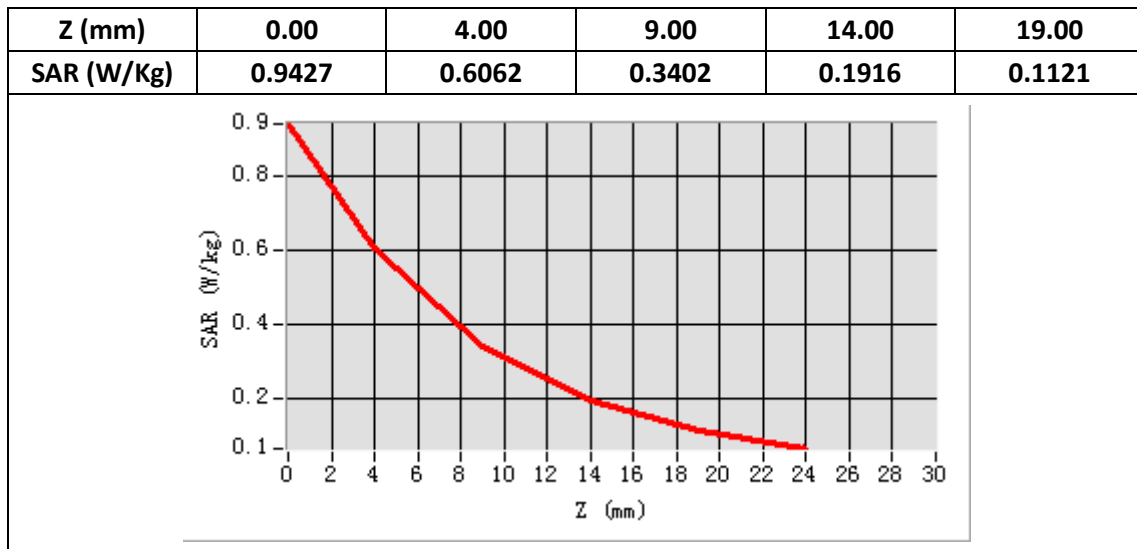
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1882.5
Relative permittivity (real part)	40.60
Relative permittivity (imaginary part)	13.16
Conductivity (S/m)	1.39
Variation (%)	-2.55
ConvF:	2.34



Maximum location: X=-12.00, Y=13.00

SAR Peak: 0.96W/kg

SAR 10g (W/Kg)	0.291443
SAR 1g (W/Kg)	0.575561



Plot 28: LTE Band25, 20MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 03/18/2019

Measurement duration: 22 minutes 17 seconds

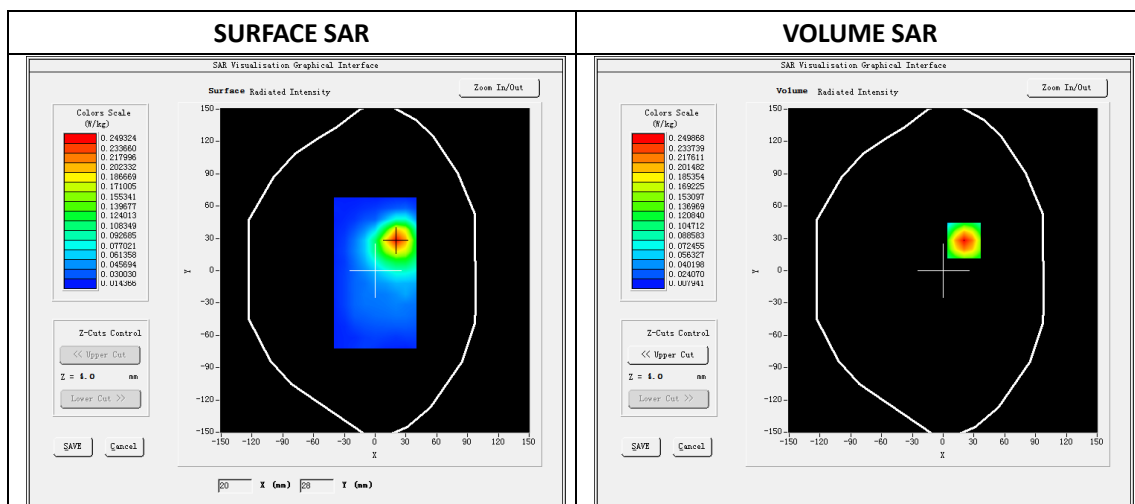
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	LTE Band 25
Channels	26365
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

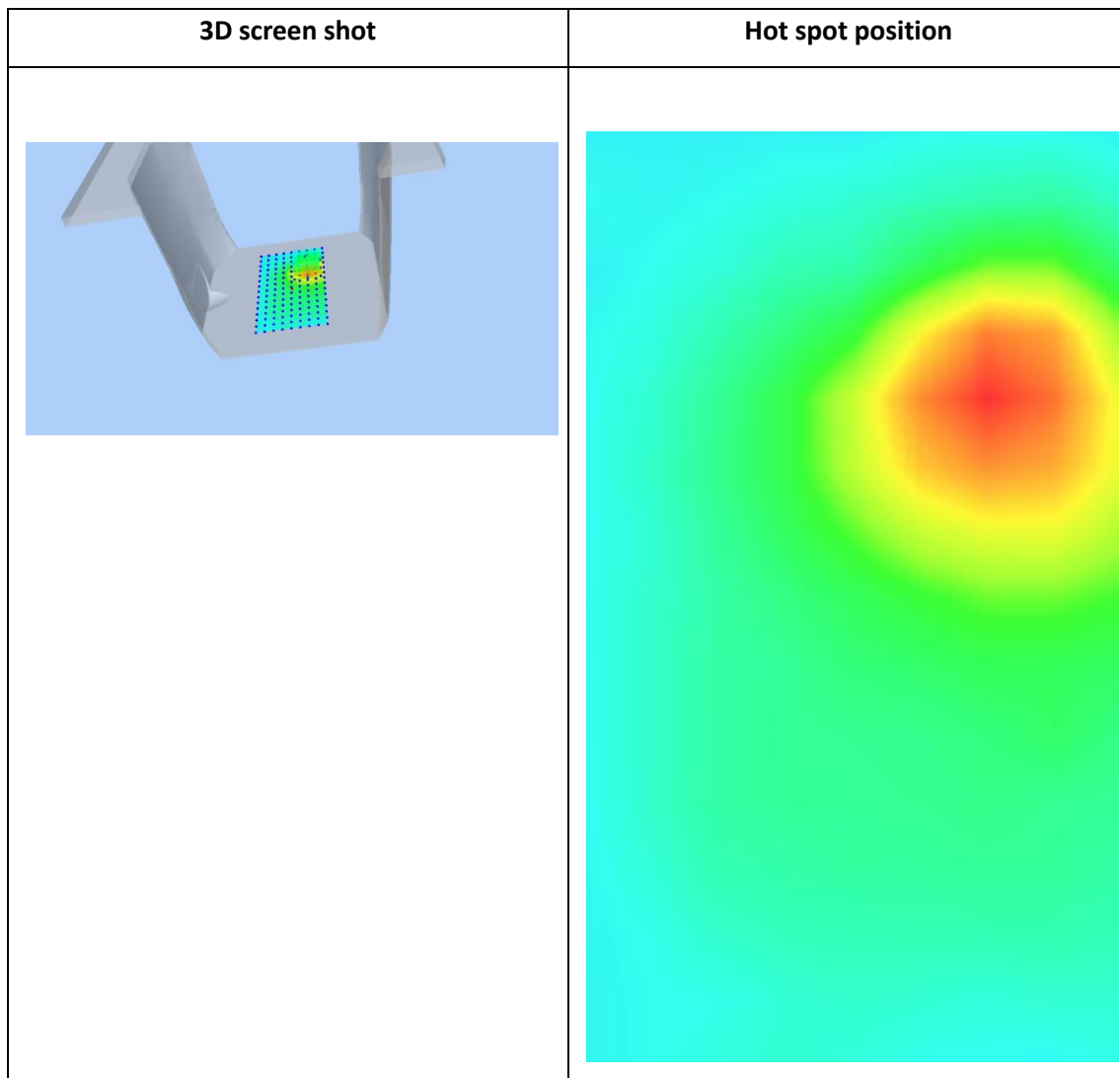
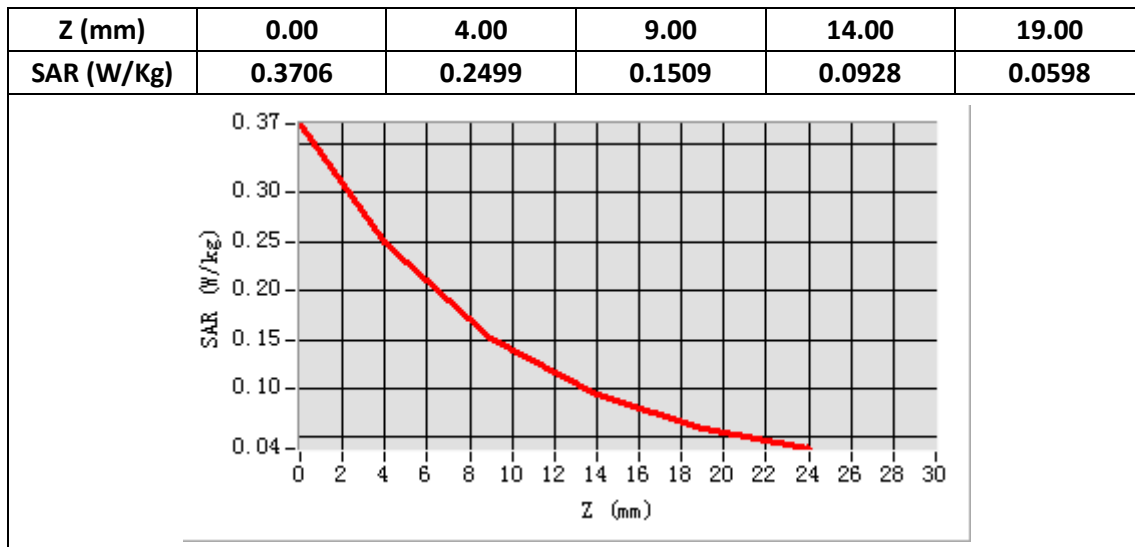
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1882.5
Relative permittivity (real part)	55.43
Relative permittivity (imaginary part)	22.15
Conductivity (S/m)	0.95
Variation (%)	-2.35
ConvF:	2.39



Maximum location: X=20.00, Y=28.00

SAR Peak: 0.37W/kg

SAR 10g (W/Kg)	0.133120
SAR 1g (W/Kg)	0.237719



Plot 29: LTE Band26, 15MHz,Right Cheek, Middle

Type: Phone measurement

Date of measurement: 03/16/2019

Measurement duration: 22 minutes 24 seconds

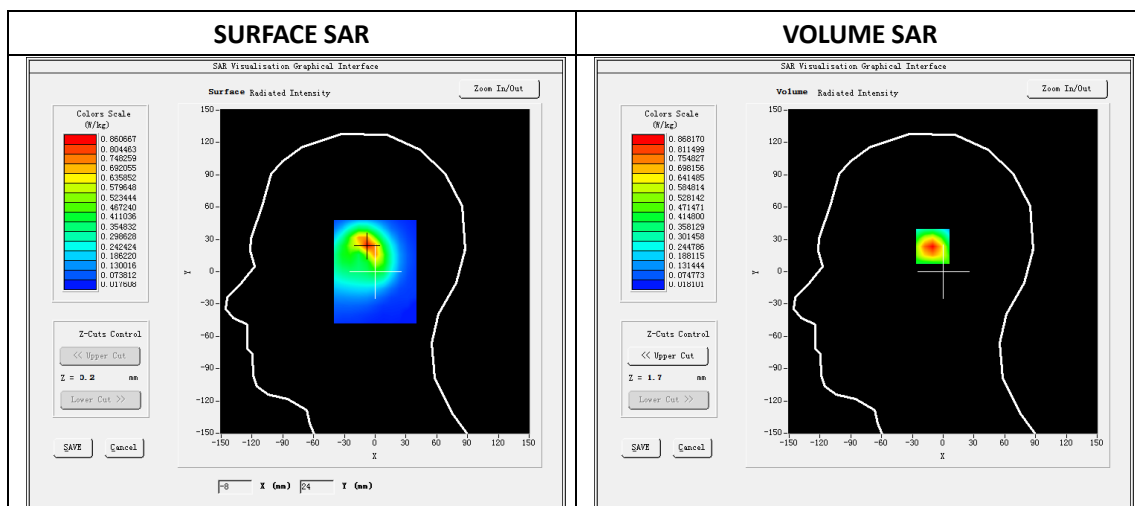
Mobile Phone IMEI number: --

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 26
Channels	26865
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

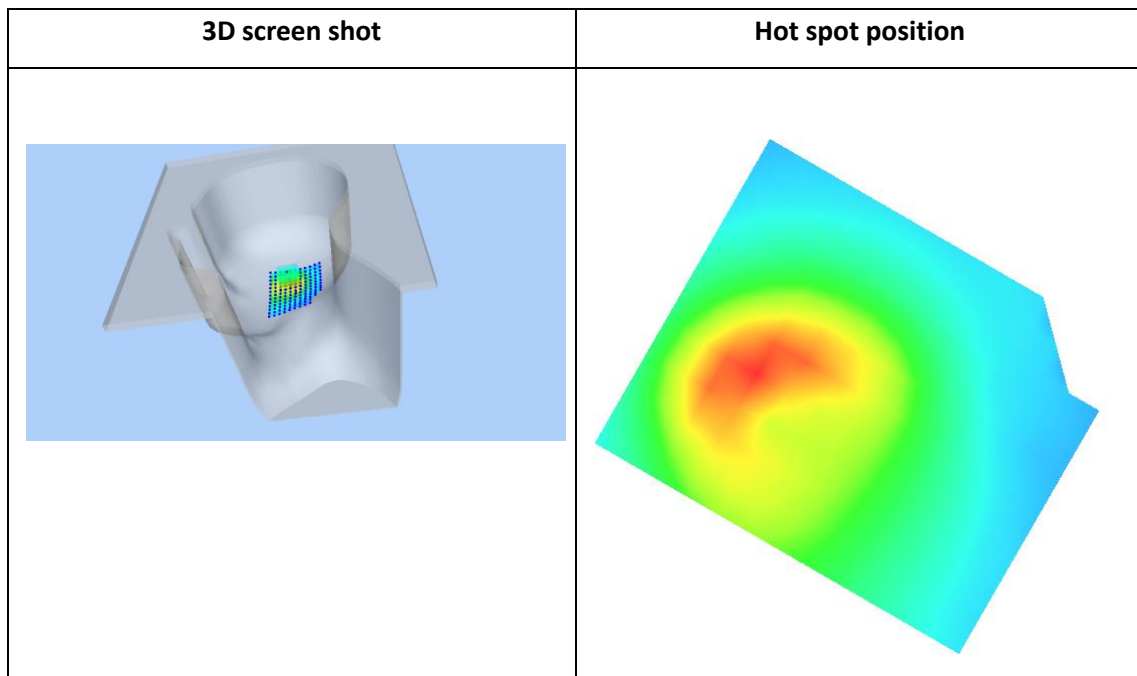
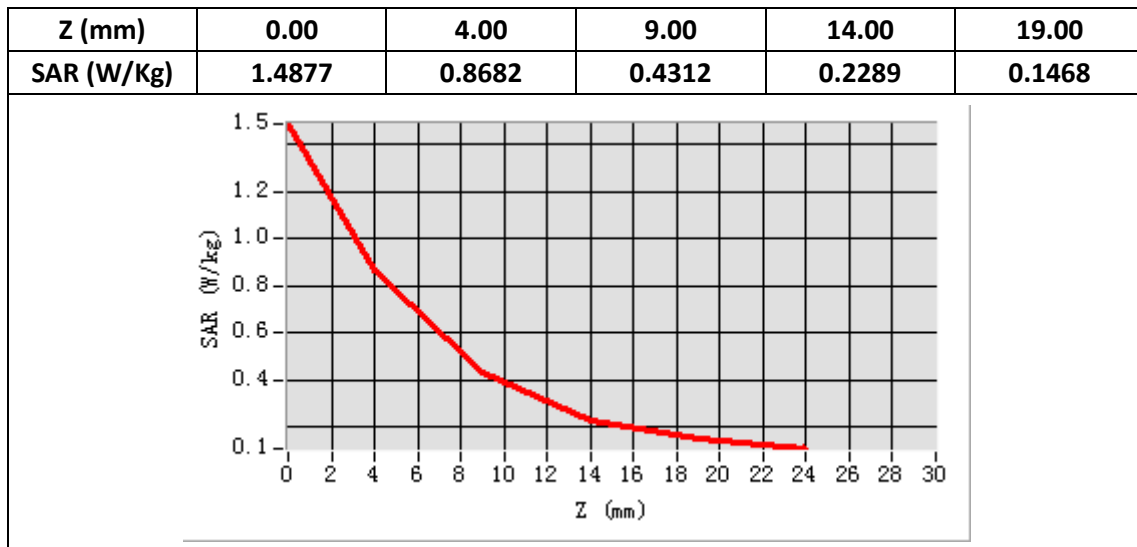
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	813.5
Relative permittivity (real part)	41.32
Relative permittivity (imaginary part)	18.42
Conductivity (S/m)	0.87
Variation (%)	-1.79
ConvF:	1.92



Maximum location: X=-8.00, Y=-25.00

SAR Peak: 1.49W/kg

SAR 10g (W/Kg)	0.418501
SAR 1g (W/Kg)	0.724249



Plot 30: LTE Band26, 15MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 03/16/2019

Measurement duration: 22 minutes 34 seconds

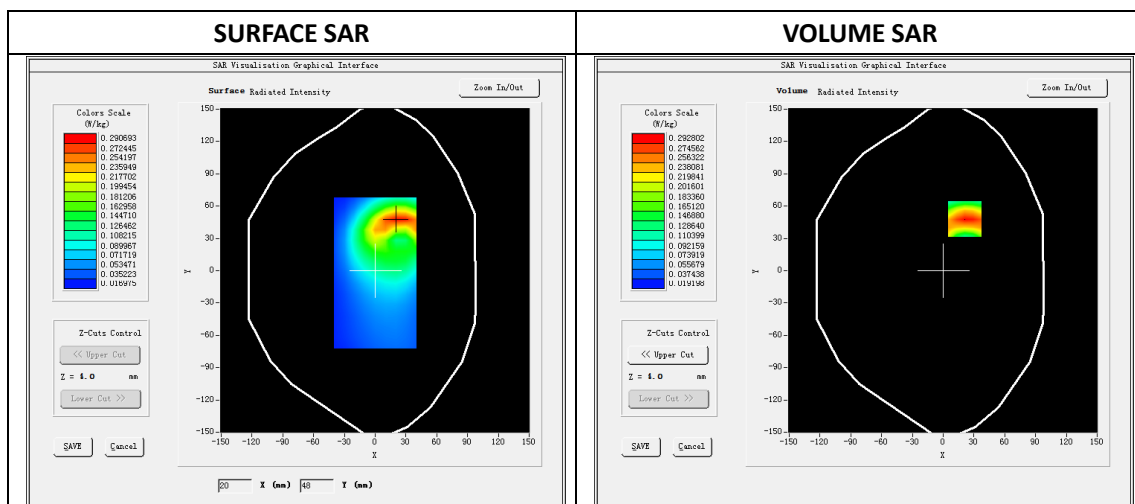
Mobile Phone IMEI number: --

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 26
Channels	26865
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

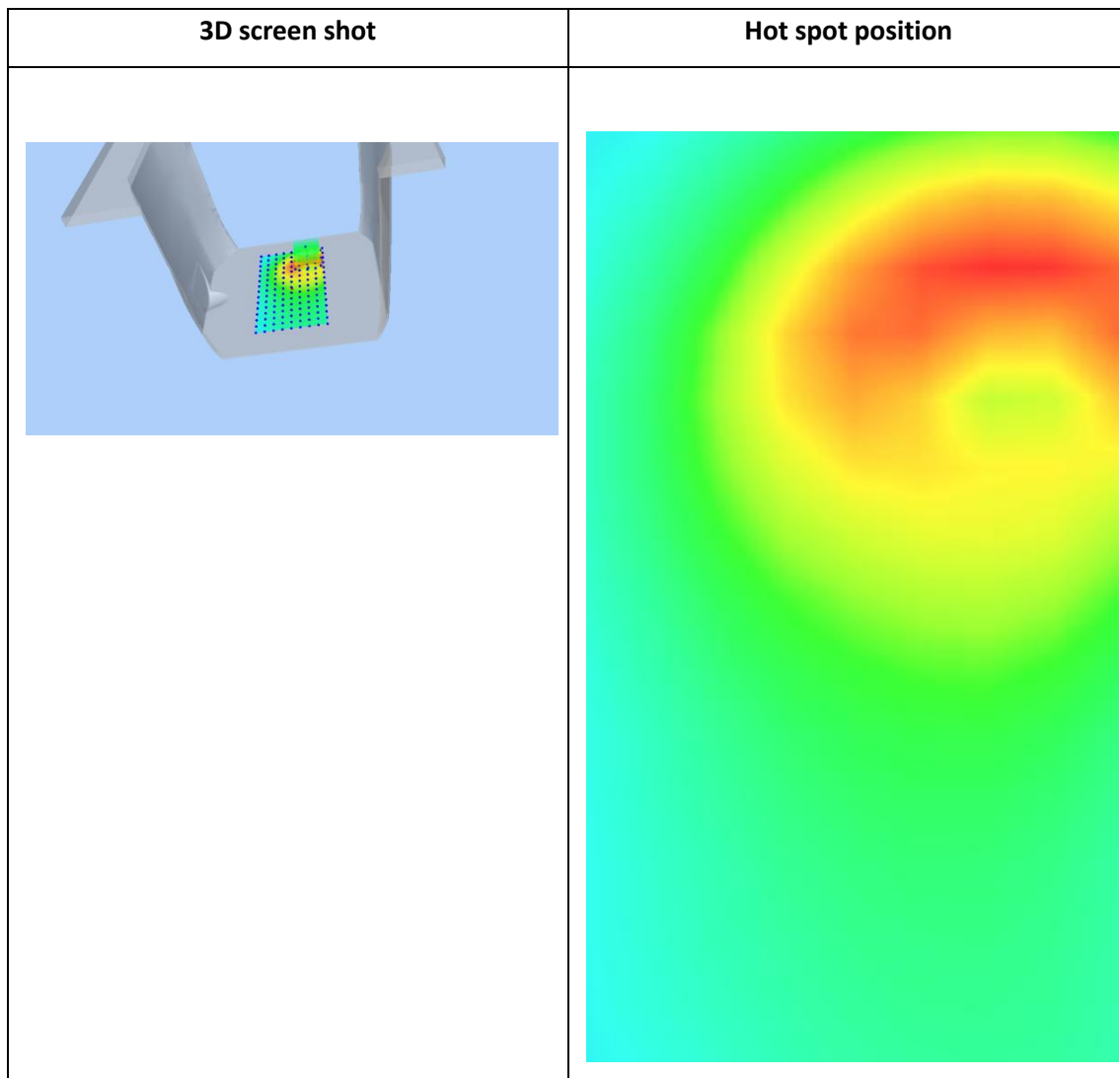
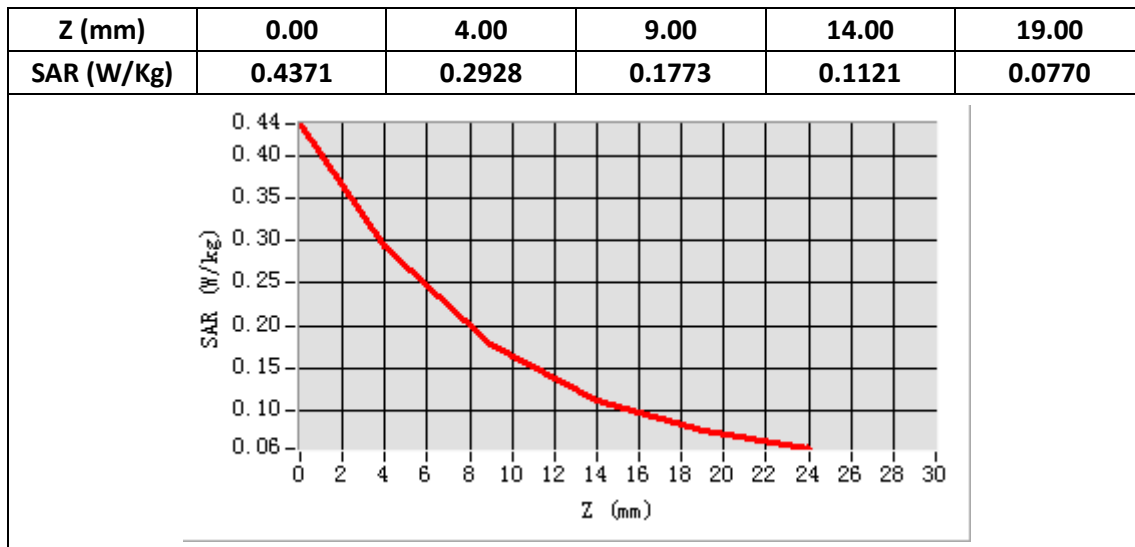
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	813.5
Relative permittivity (real part)	55.23
Relative permittivity (imaginary part)	22.12
Conductivity (S/m)	0.98
Variation (%)	-3.77
ConvF:	1.99



Maximum location: X=21.00, Y=48.00

SAR Peak: 0.44W/kg

SAR 10g (W/Kg)	0.164707
SAR 1g (W/Kg)	0.280047



Plot 31: LTE Band30, 10MHz,Right Cheek, Middle

Type: Phone measurement

Date of measurement: 03/19/2019

Measurement duration: 22 minutes 35 seconds

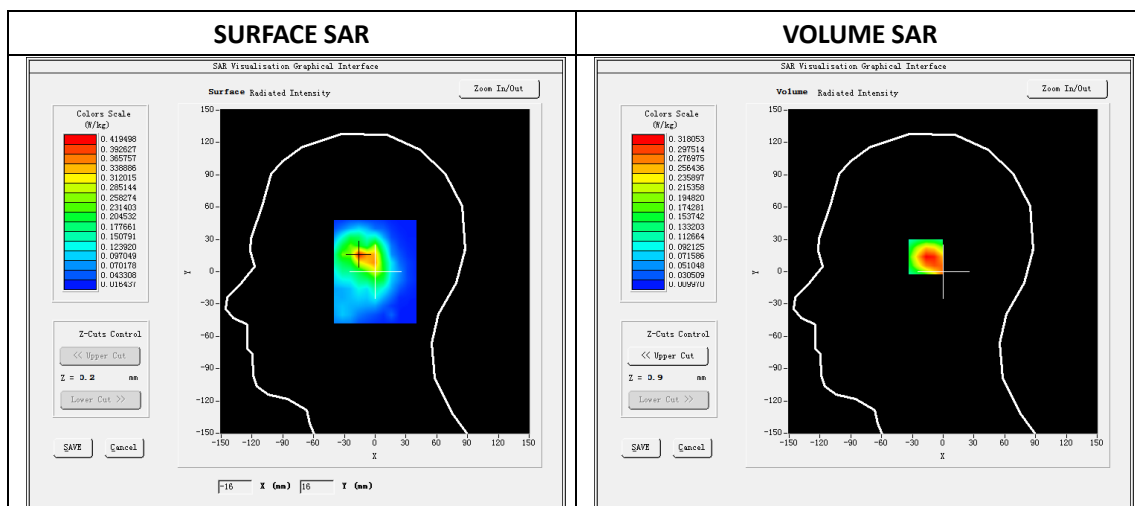
Mobile Phone IMEI number: --

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 30
Channels	27110
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

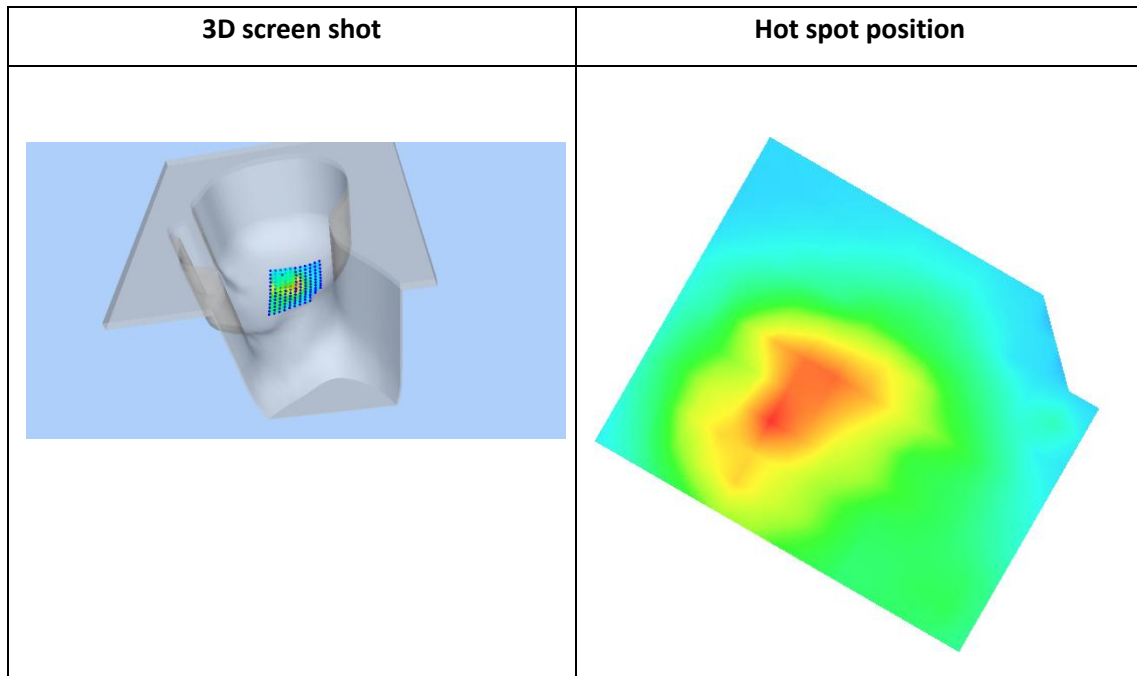
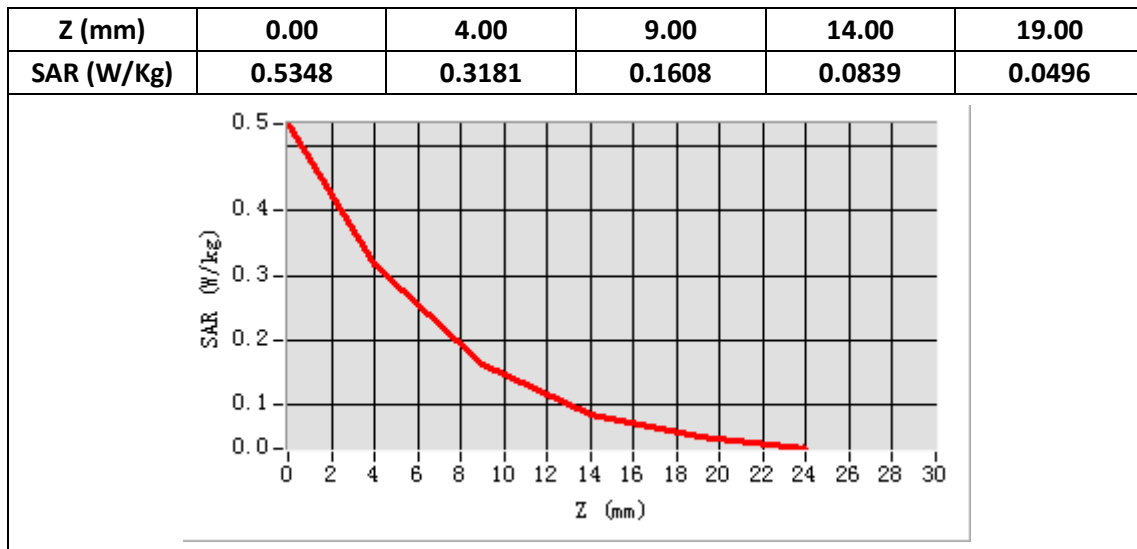
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2310
Relative permittivity (real part)	39.26
Relative permittivity (imaginary part)	13.44
Conductivity (S/m)	1.81
Variation (%)	-2.26
ConvF:	2.37



Maximum location: X=-15.00, Y=15.00

SAR Peak: 0.54W/kg

SAR 10g (W/Kg)	0.161669
SAR 1g (W/Kg)	0.304141



Plot 32: LTE Band30, 10MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 03/19/2019

Measurement duration: 22 minutes 35 seconds

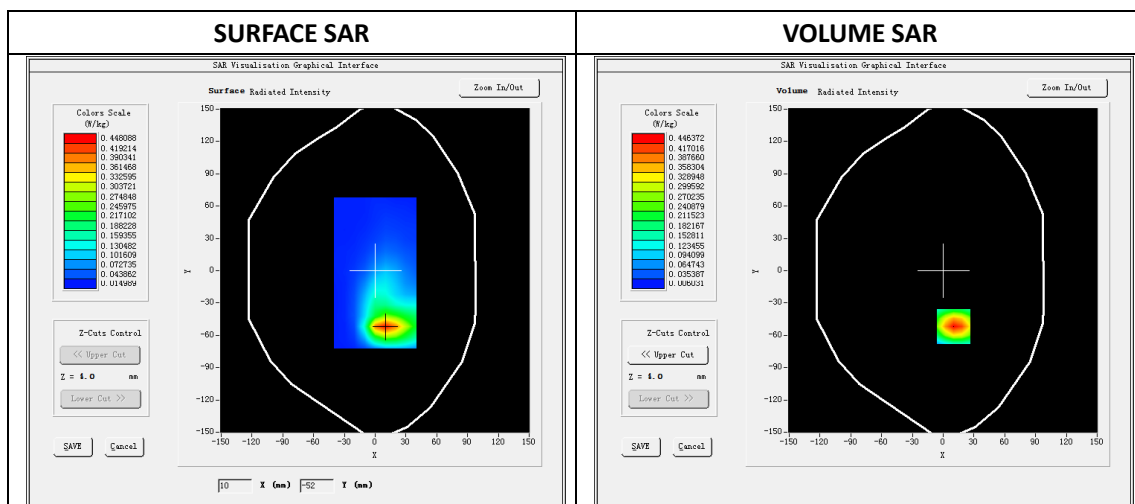
Mobile Phone IMEI number: --

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 30
Channels	27110
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

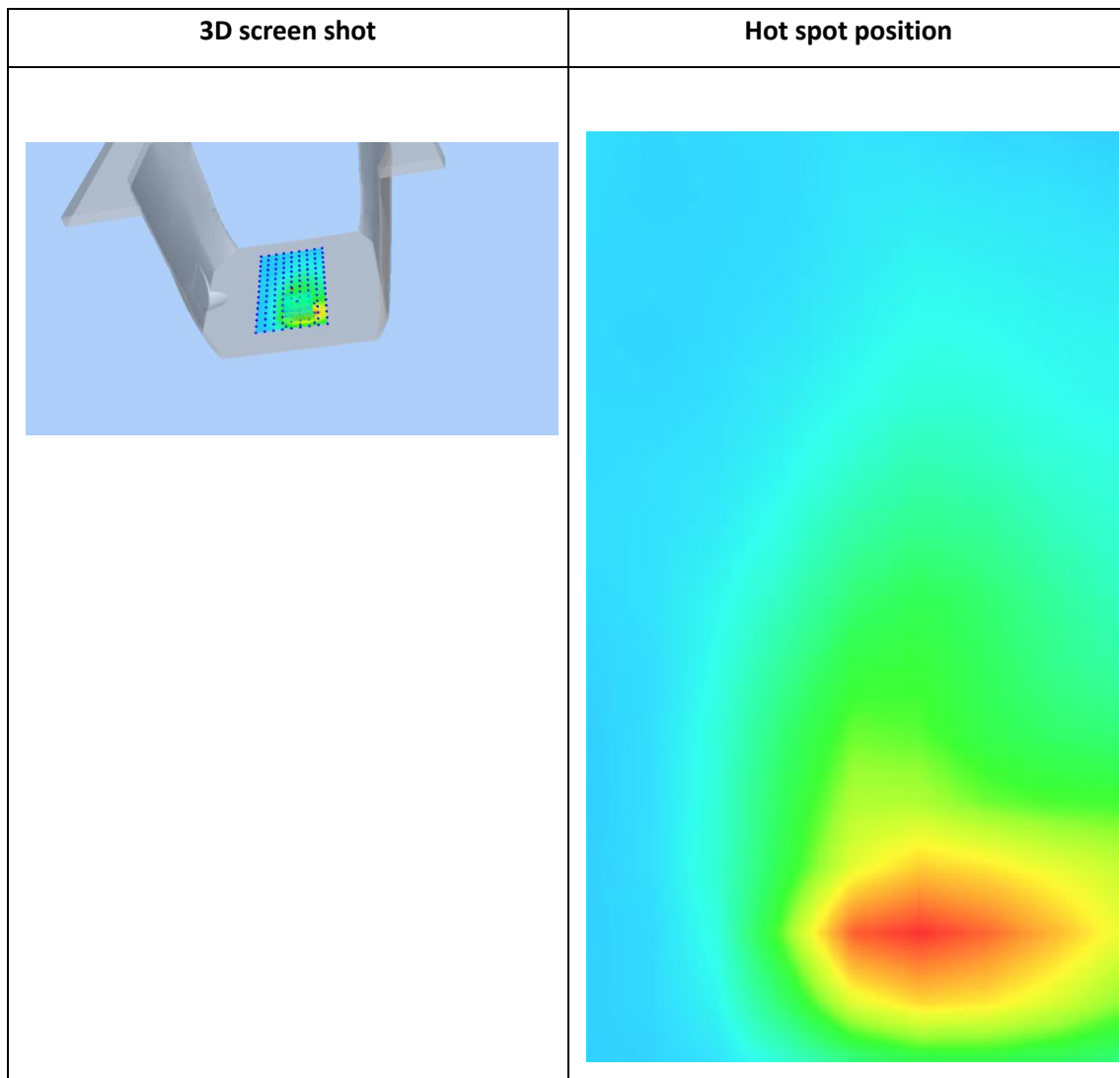
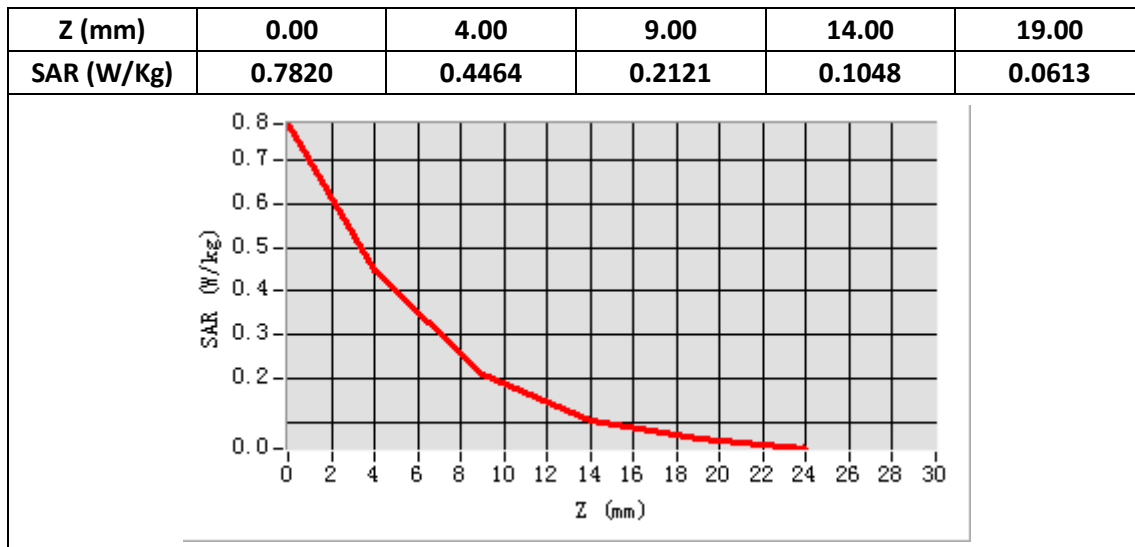
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2310
Relative permittivity (real part)	52.61
Relative permittivity (imaginary part)	14.17
Conductivity (S/m)	1.93
Variation (%)	-1.01
ConvF:	2.46



Maximum location: X=10.00, Y=-52.00

SAR Peak: 0.78W/kg

SAR 10g (W/Kg)	0.208075
SAR 1g (W/Kg)	0.418672



Plot 33: LTE Band41, 20MHz,Right Cheek, Middle

Type: Phone measurement

Date of measurement: 03/19/2019

Measurement duration: 22 minutes 35 seconds

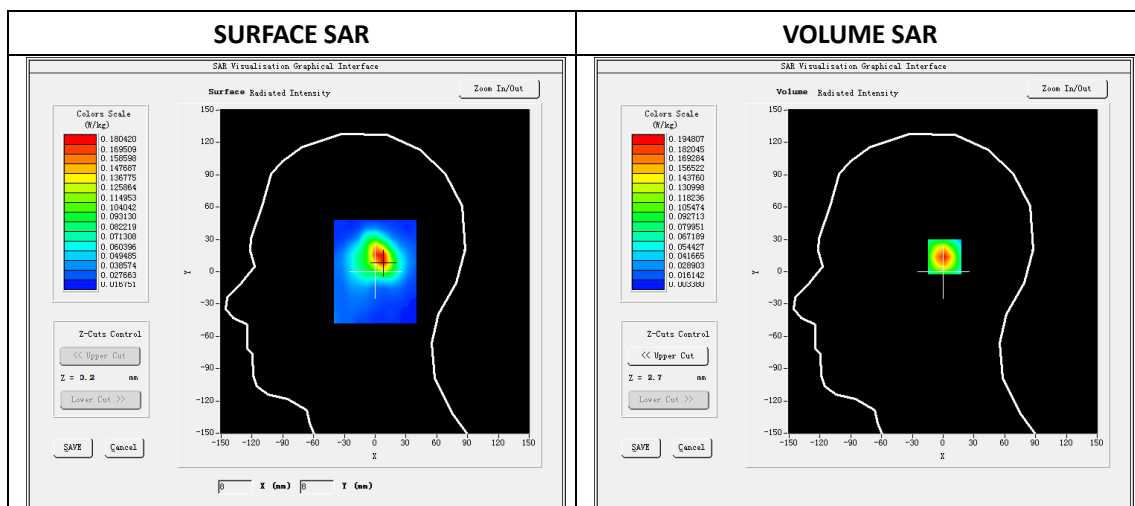
Mobile Phone IMEI number: --

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 41
Channels	39150
Signal	LTE (Duty cycle: 63%)

B. SAR Measurement Results

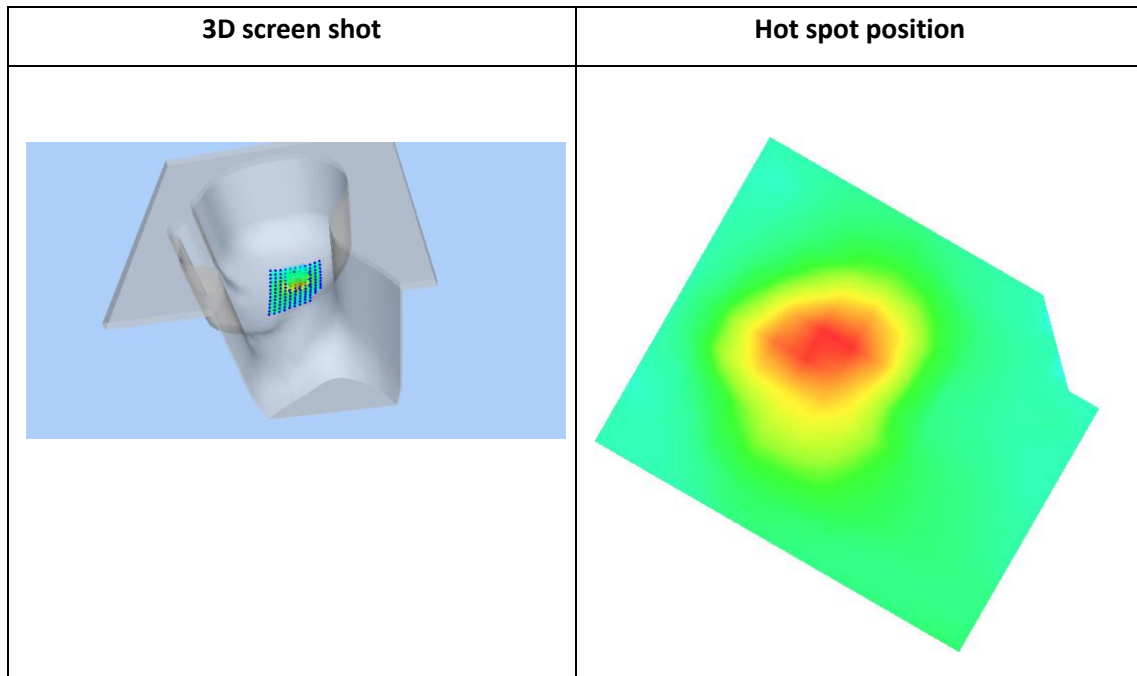
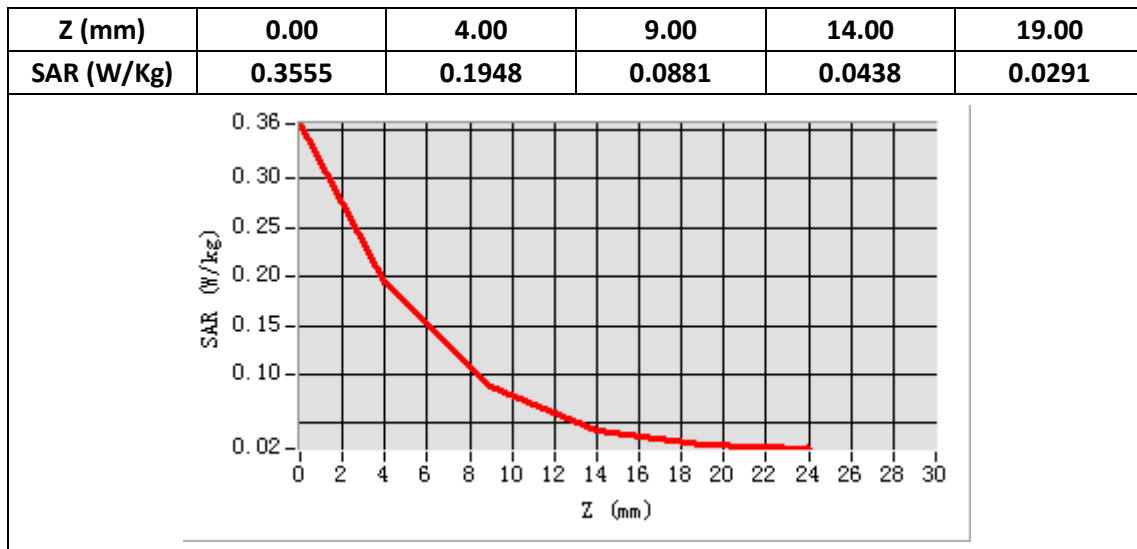
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2350
Relative permittivity (real part)	39.26
Relative permittivity (imaginary part)	13.44
Conductivity (S/m)	1.81
Variation (%)	-2.59
ConvF:	2.37



Maximum location: X=6.00, Y=14.00

SAR Peak: 0.36W/kg

SAR 10g (W/Kg)	0.088411
SAR 1g (W/Kg)	0.181872



Plot 34: LTE Band41, 20MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 03/19/2019

Measurement duration: 22 minutes 08 seconds

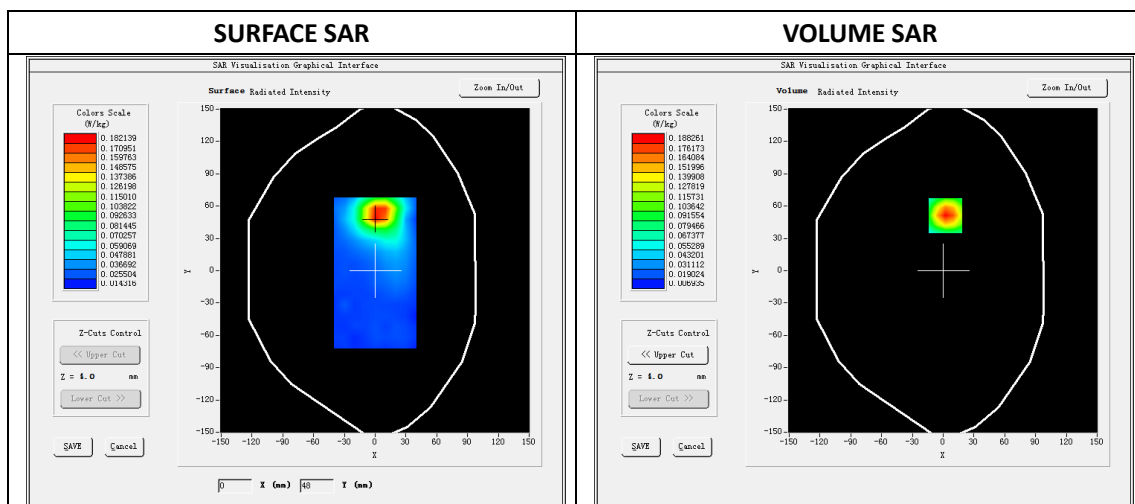
Mobile Phone IMEI number: --

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 41
Channels	39150
Signal	LTE (Duty cycle: 63%)

B. SAR Measurement Results

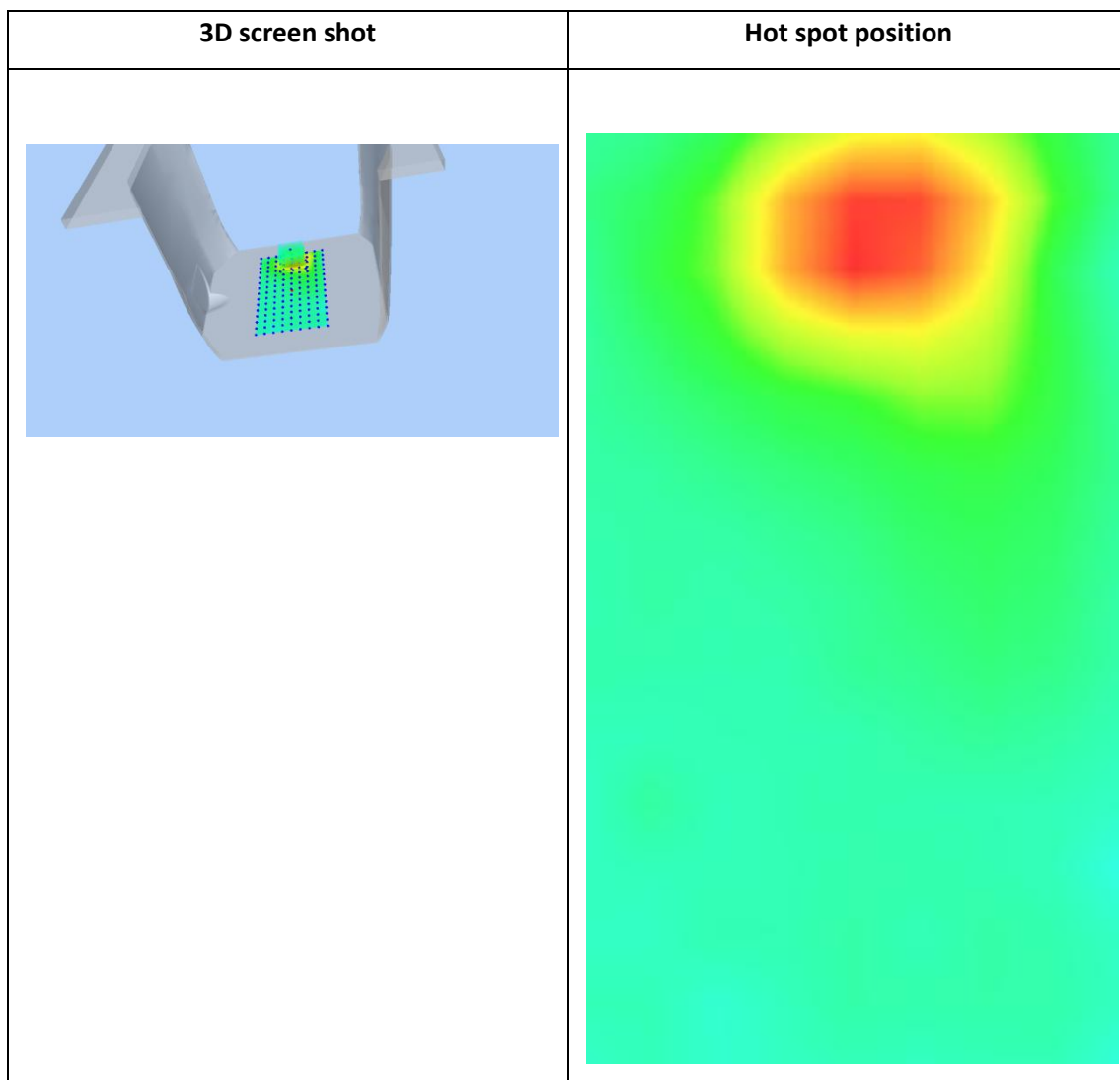
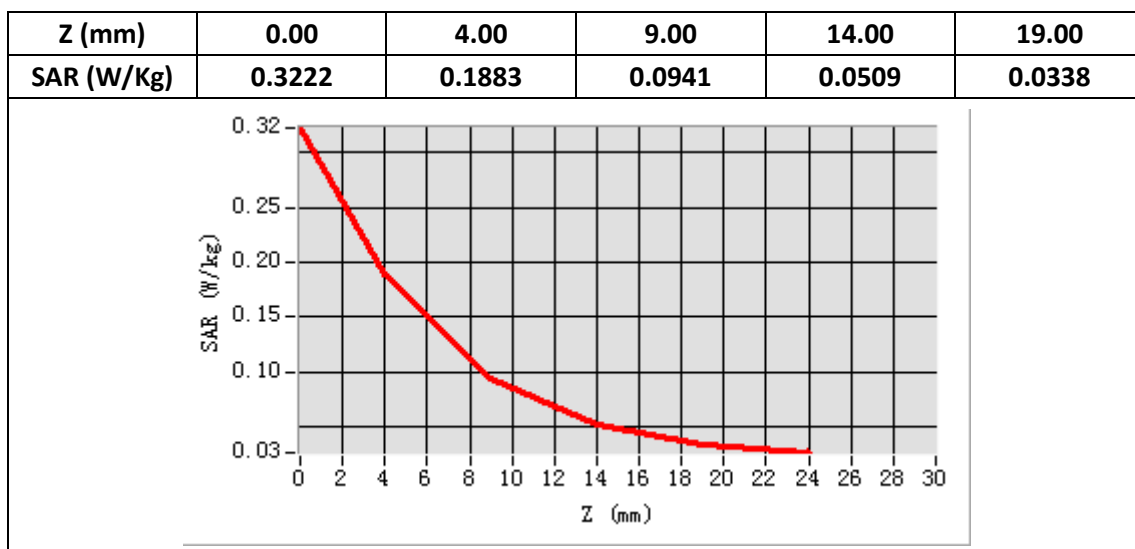
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2350
Relative permittivity (real part)	52.61
Relative permittivity (imaginary part)	14.17
Conductivity (S/m)	1.93
Variation (%)	-2.80
ConvF:	2.46



Maximum location: X=2.00, Y=51.00

SAR Peak: 0.32W/kg

SAR 10g (W/Kg)	0.092965
SAR 1g (W/Kg)	0.177376



Plot 35: LTE Band66, 20MHz,Right Cheek, Middle

Type: Phone measurement

Date of measurement: 03/17/2019

Measurement duration: 22 minutes 11 seconds

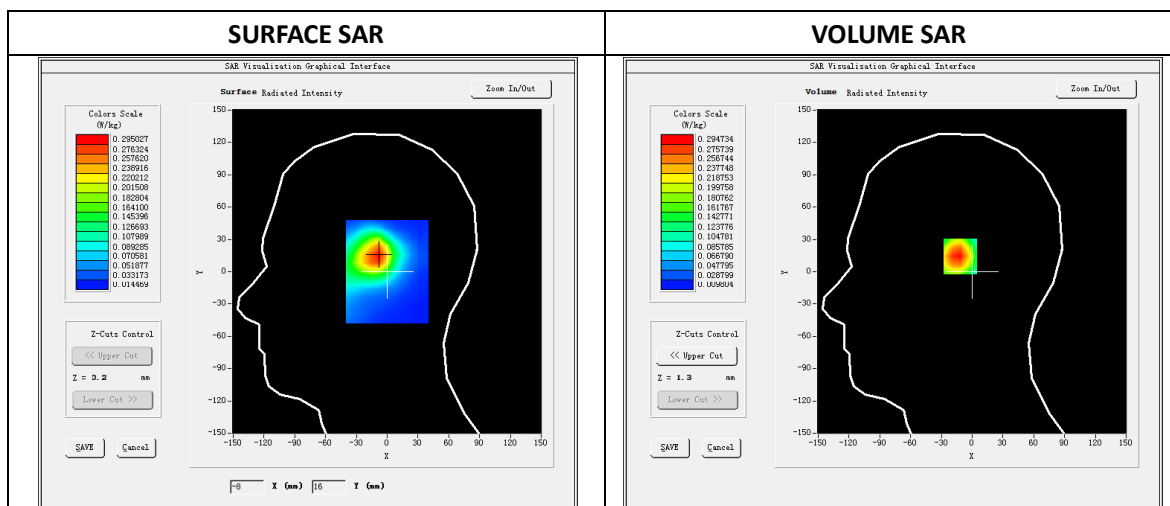
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

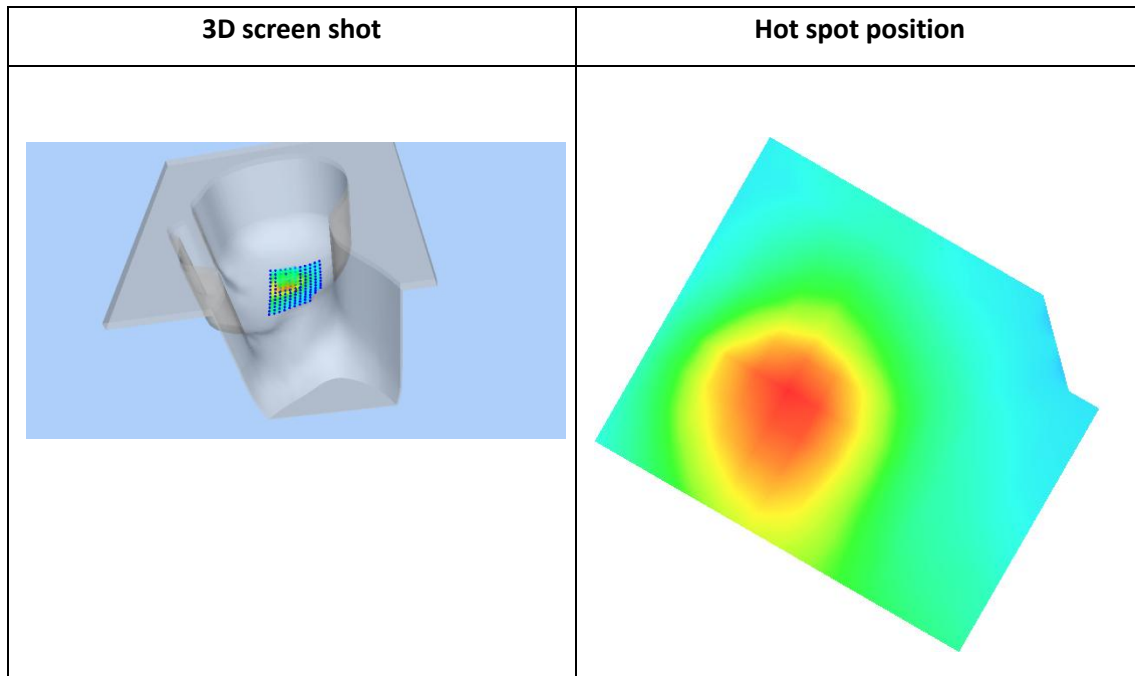
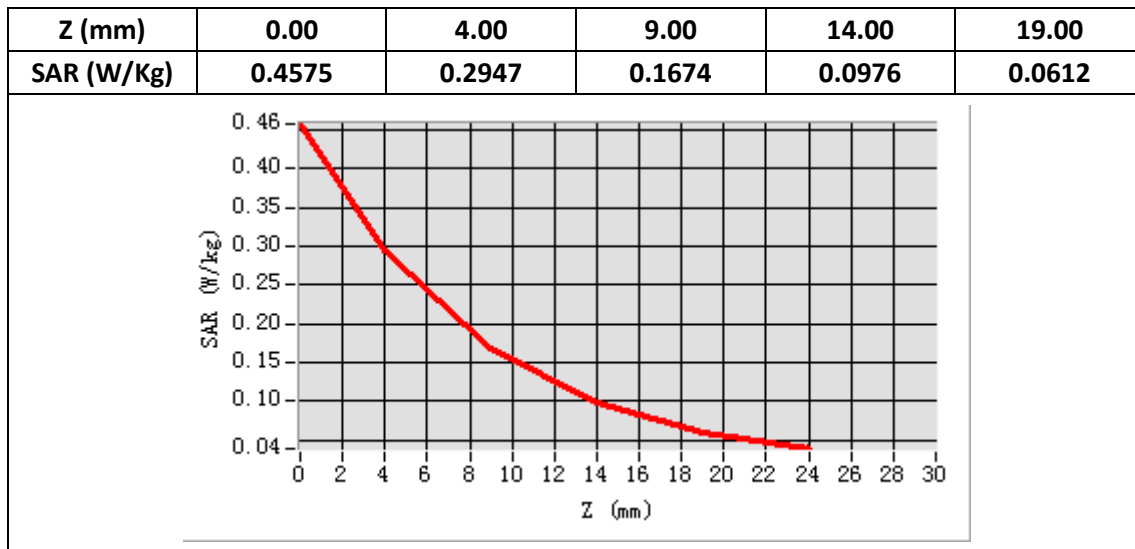
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.5
Relative permittivity (real part)	40.34
Relative permittivity (imaginary part)	13.10
Conductivity (S/m)	1.31
Variation (%)	-2.70
ConvF:	5.73



Maximum location: X=-9.00, Y=15.00

SAR Peak: 0.46W/kg

SAR 10g (W/Kg)	0.158326
SAR 1g (W/Kg)	0.284740



Plot 36: LTE Band66, 20MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 03/17/2019

Measurement duration: 22 minutes 44 seconds

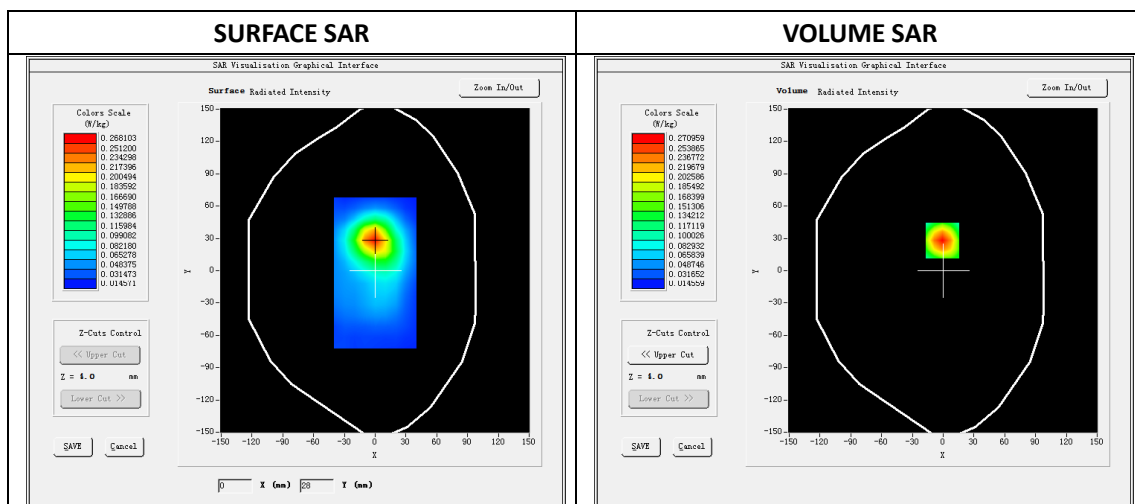
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

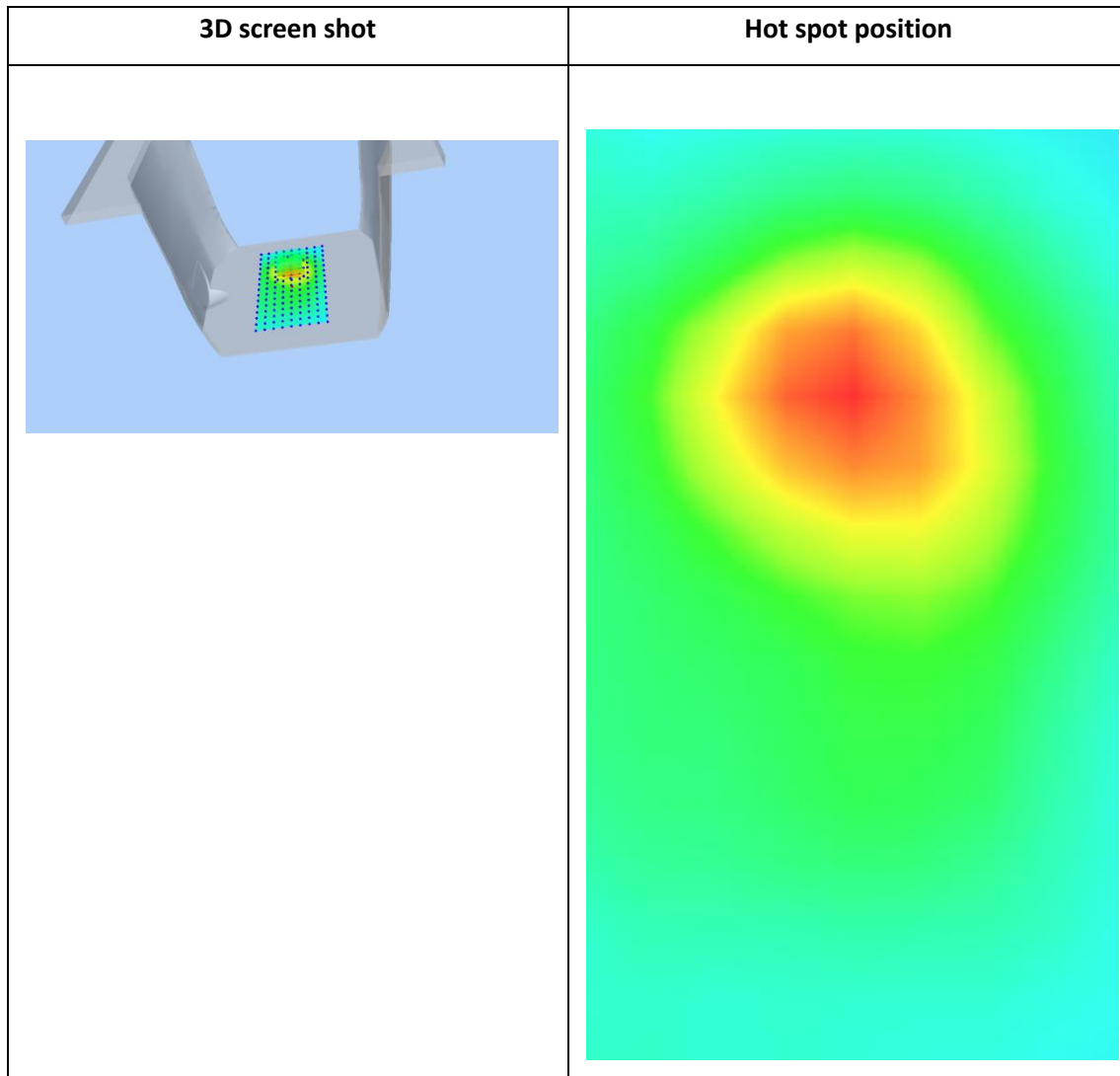
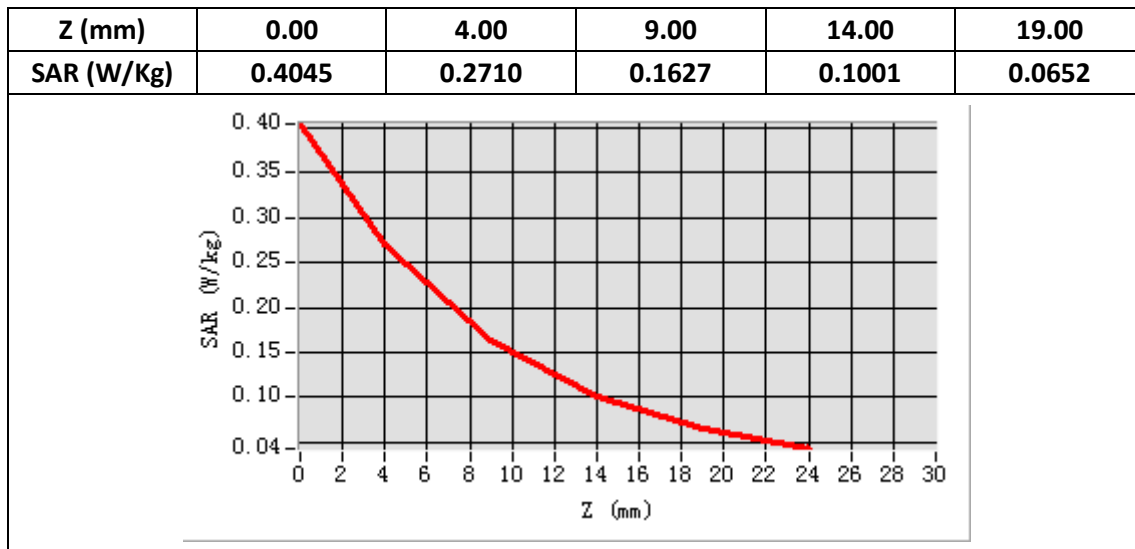
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.5
Relative permittivity (real part)	55.39
Relative permittivity (imaginary part)	15.20
Conductivity (S/m)	1.52
Variation (%)	-4.71
ConvF:	2.14



Maximum location: X=1.00, Y=28.00

SAR Peak: 0.40W/kg

SAR 10g (W/Kg)	0.145866
SAR 1g (W/Kg)	0.257610



Plot 37: GSM850, Right Cheek, Middle

Type: Phone measurement

Date of measurement: 03/16/2019

Measurement duration: 22 minutes 31 seconds

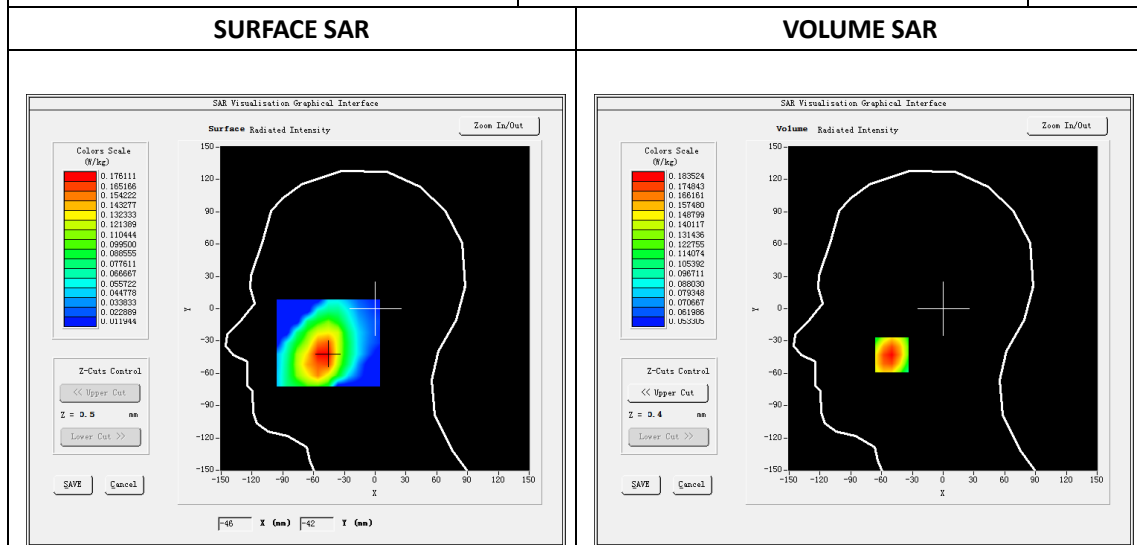
Mobile Phone IMEI number: --

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

B. SAR Measurement Results

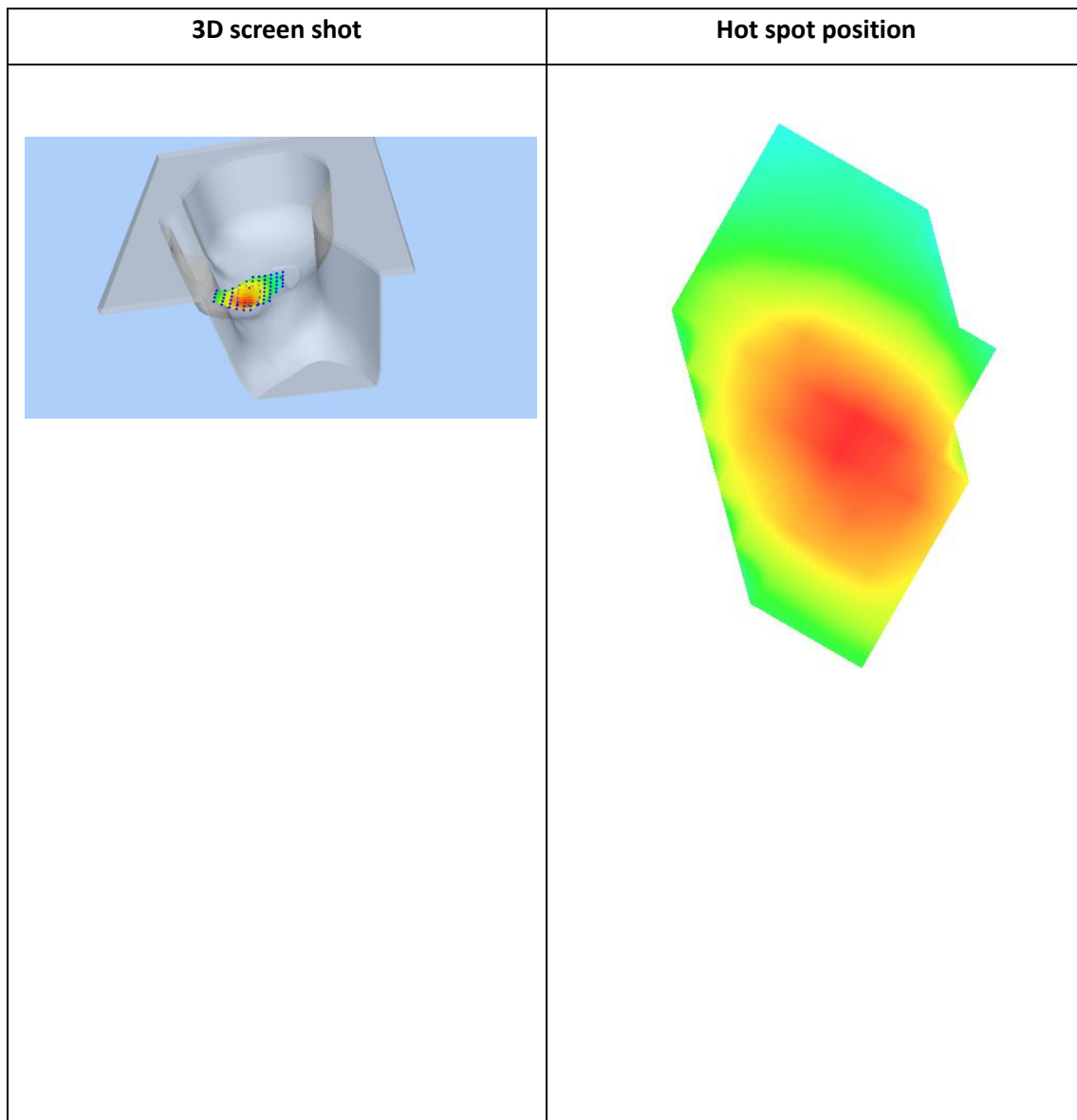
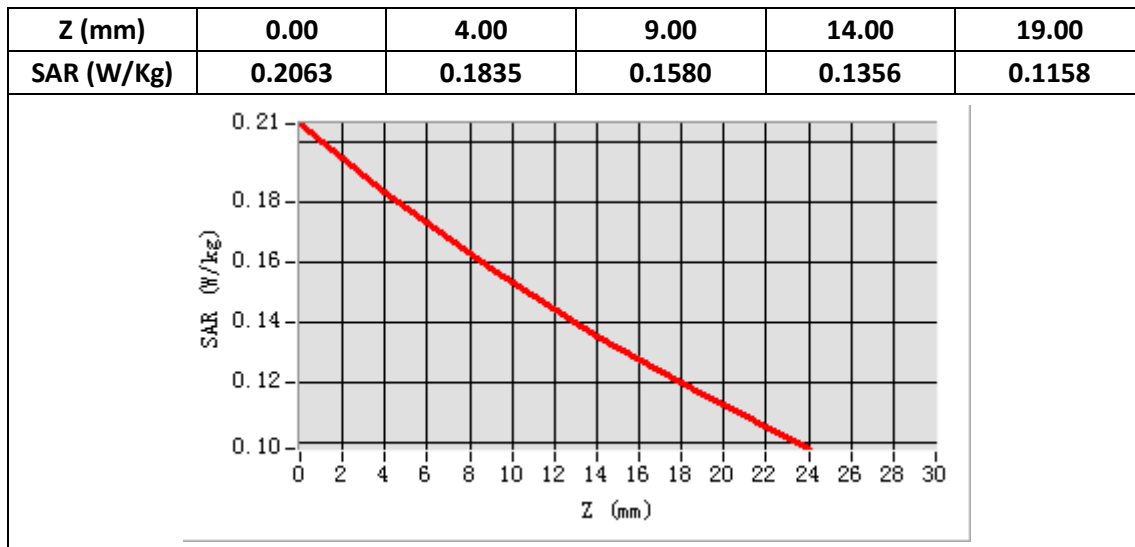
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.6
Relative permittivity (real part)	41.32
Relative permittivity (imaginary part)	18.42
Conductivity (S/m)	0.87
Variation (%)	2.00
ConvF:	1.92



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

SAR Peak: 0.21W/kg

SAR 10g (W/Kg)	0.143515
SAR 1g (W/Kg)	0.181556



Plot 38: GPRS850, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 03/16/2019

Measurement duration: 22 minutes 31 seconds

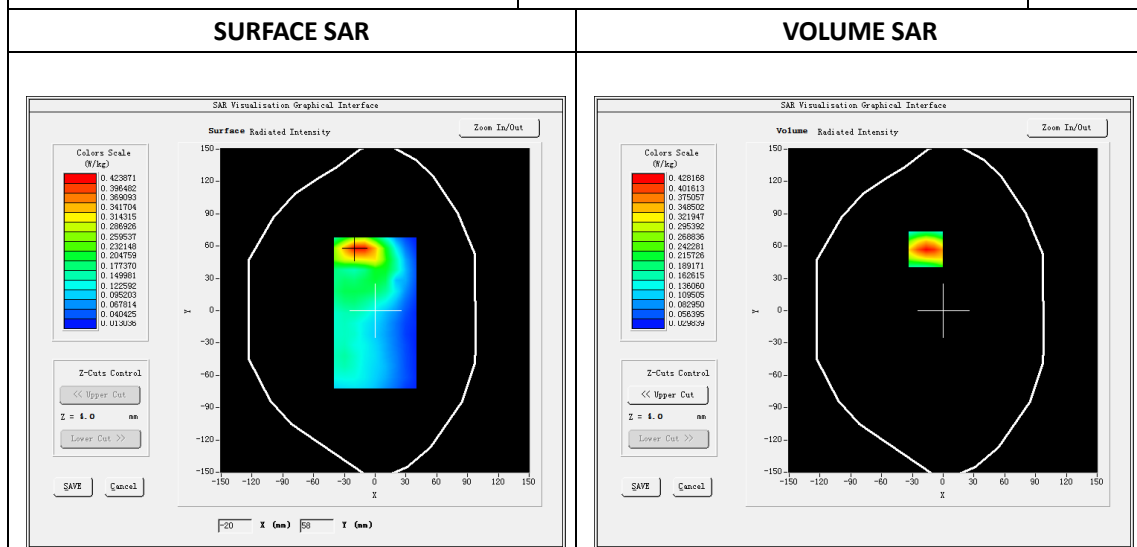
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

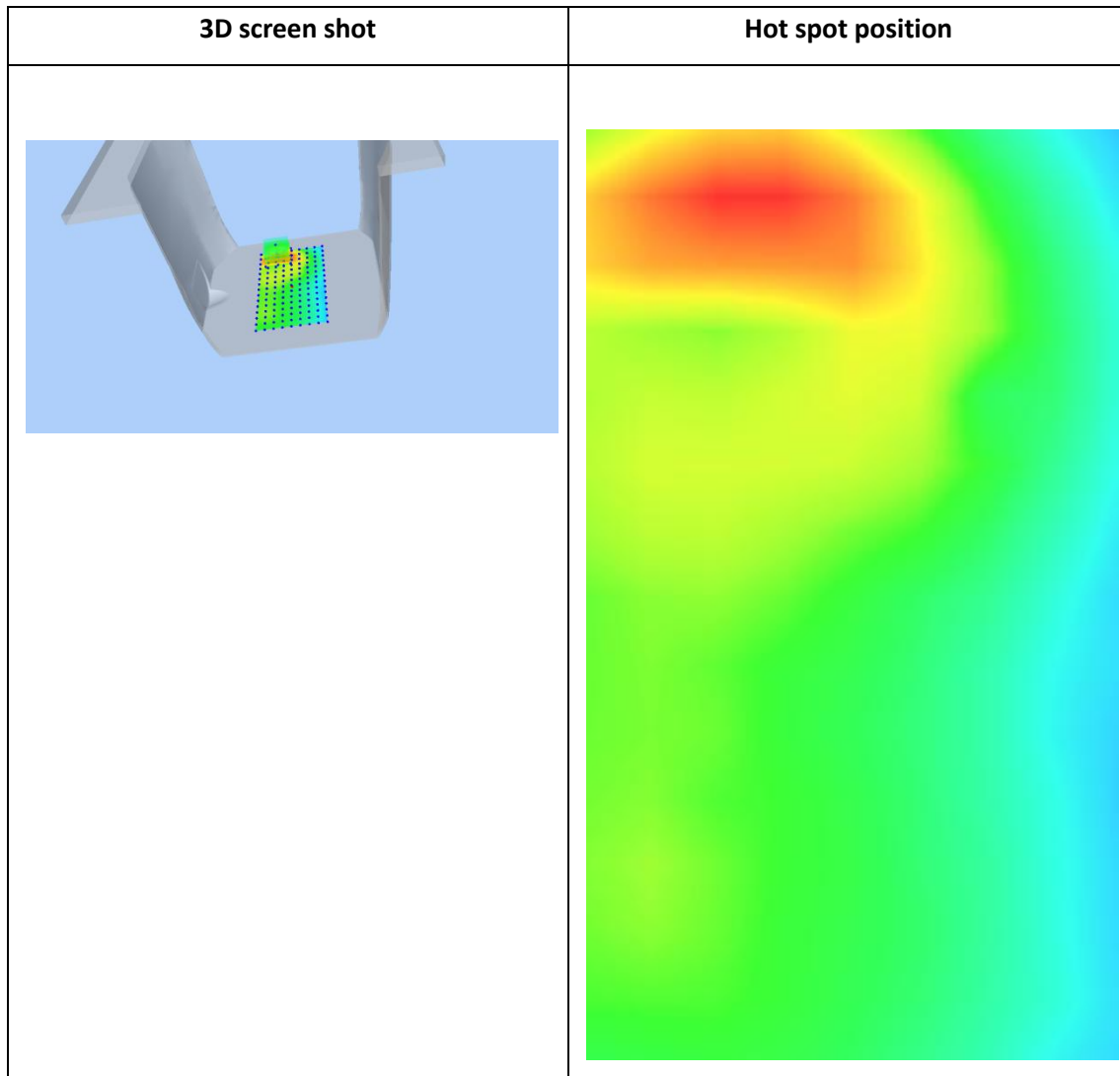
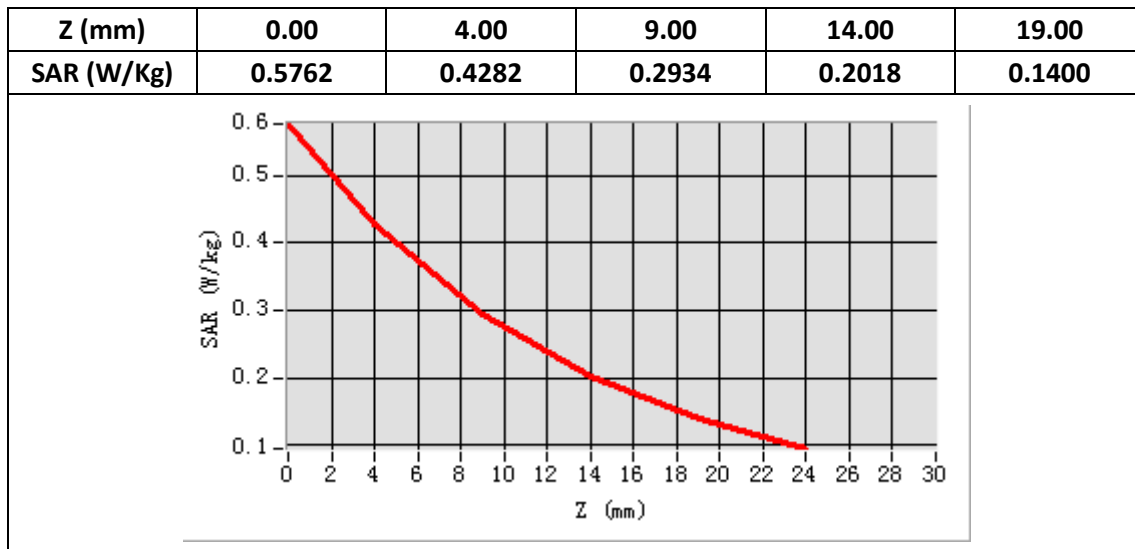
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.6
Relative permittivity (real part)	55.23
Relative permittivity (imaginary part)	21.12
Conductivity (S/m)	0.98
Variation (%)	2.61
ConvF:	1.99



Maximum location: X=-17.00, Y=57.00

SAR Peak: 0.58 W/kg

SAR 10g (W/Kg)	0.249360
SAR 1g (W/Kg)	0.406499



Plot 39: GSM1900, Right Cheek Middle

Type: Phone measurement

Date of measurement: 03/18/2019

Measurement duration: 22 minutes 24 seconds

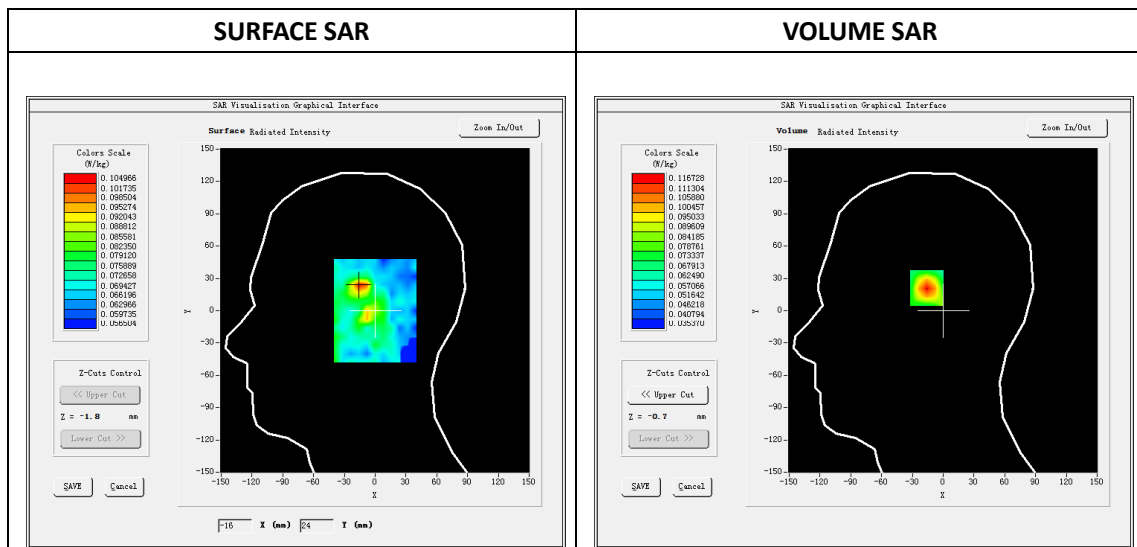
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

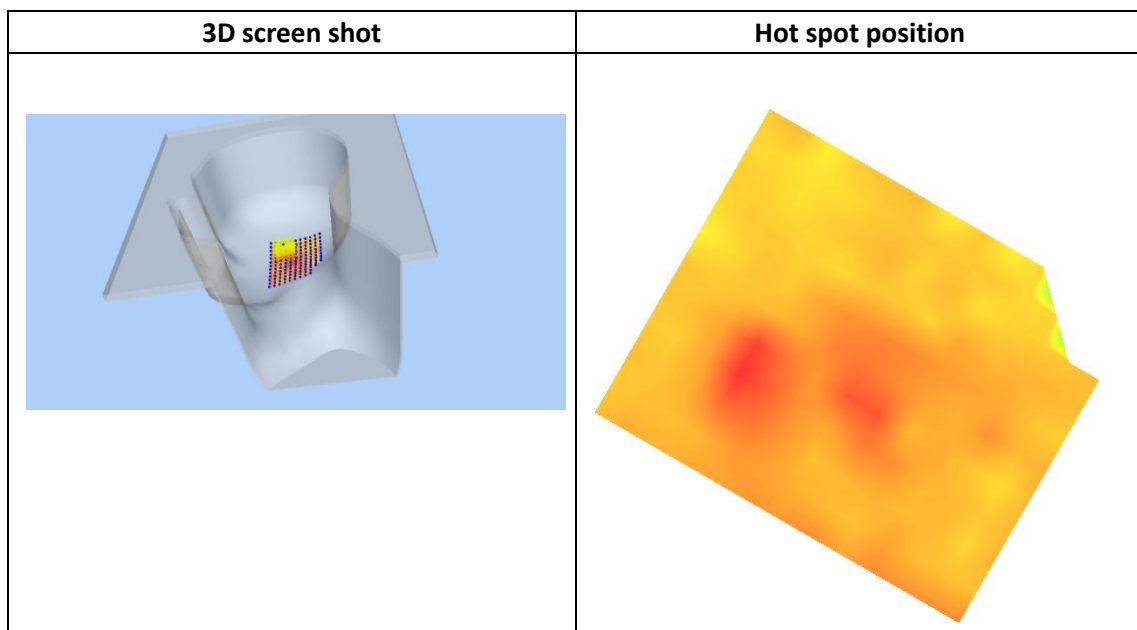
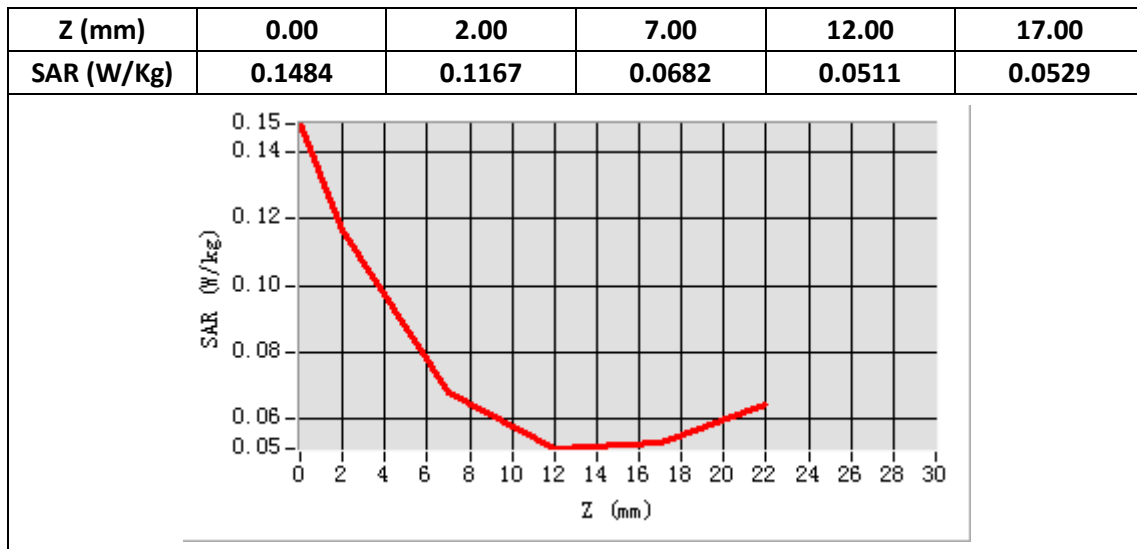
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	40.60
Relative permittivity (imaginary part)	13.16
Conductivity (S/m)	1.39
Variation (%)	-1.84
ConvF:	2.34



Maximum location: X=-15.00, Y=23.00

SAR Peak: 0.19 W/kg

SAR 10g (W/Kg)	0.007767
SAR 1g (W/Kg)	0.018238



Plot40: GPRS1900, Back Middle ,10mm

Type: Phone measurement

Date of measurement: 03/18/2019

Measurement duration: 22 minutes 23 seconds

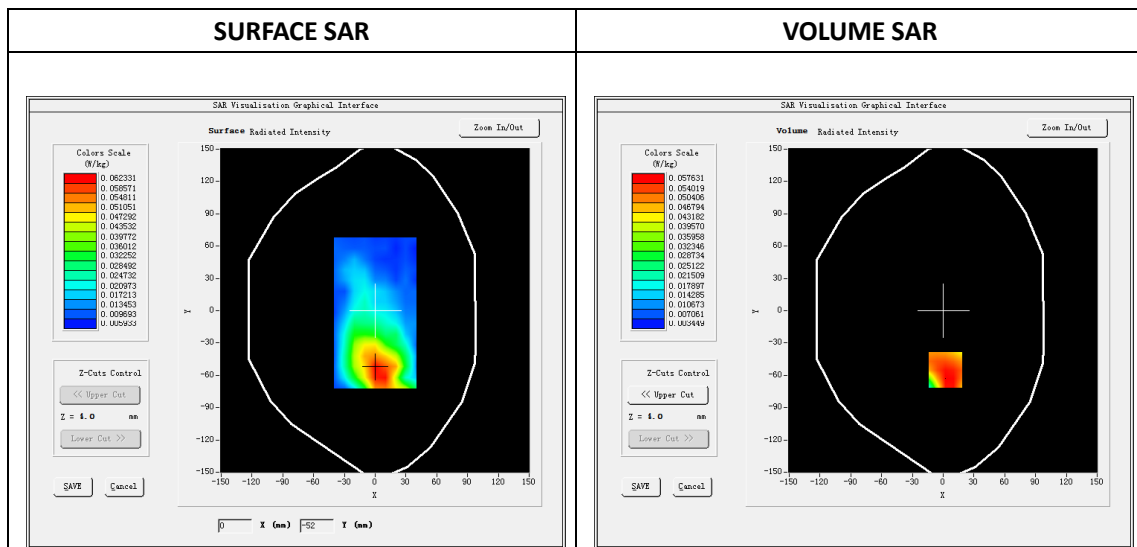
Mobile Phone IMEI number: --

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)	53.42
Relative permittivity (imaginary part)	14.30
Conductivity (S/m)	1.51
Variation (%)	-2.82
ConvF:	2.39



Maximum location: X=2.00, Y=-55.00

SAR Peak: 0.08W/kg

SAR 10g (W/Kg)	0.045715
SAR 1g (W/Kg)	0.073034

