

Appendix B: SAR Measurement results Plots

Plot	Frequency/Mode	Testing Position and Channel	Test Date
1	GSM850	Right Cheek Middle	2019/06/20
2	GSM850/GPRS4Tx	Body Back, Middle ,10mm	2019/06/20
3	GSM1900	Left Cheek Middle	2019/06/21
4	GSM1900/GPRS4Tx	Body Back Middle ,10mm	2019/06/21
5	GSM1900/GPRS4Tx	Edge C, Middle ,10mm	2019/06/21
6	WCDMA1900	Left Cheek Middle	2019/06/21
7	WCDMA1900	Body Back, Middle ,10mm	2019/06/21
8	WCDMA1900	Edge C, Middle ,10mm	2019/06/21
9	WCDMA850	Left Cheek Middle	2019/06/20
10	WCDMA850	Body Back, Middle ,10mm	2019/06/20
11	LTE Band2	Left Cheek Middle	2019/06/21
12	LTE Band2	Body Back, Middle ,10mm	2019/06/21
13	LTE Band2	Edge C, Middle ,10mm	2019/06/21
14	LTE Band4	Left Cheek Middle	2019/06/21
15	LTE Band4	Body Back, Middle ,10mm	2019/06/21
16	LTE Band5	Right Cheek Middle	2019/06/20
17	LTE Band5	Body Back, Middle,10mm	2019/06/20
18	LTE Band7	Left Cheek Middle	2019/06/29
19	LTE Band7	Body Face, Middle ,10mm	2019/06/29
20	LTE Band7	Edge C, Middle ,10mm	2019/06/29
21	WIFI 2.4G 802.11b	Right Tilt Middle	2019/06/29
22	WIFI 2.4G 802.11b	Body Back, Middle,10mm	2019/06/29
23	WIFI 2.4G 802.11b	Edge D, Middle ,10mm	2019/06/29
24	WIFI 5G 802.11a-20	Right Cheek Middle	2019/07/03
25	WIFI 5G 802.11a-20	Body Back, Middle ,10mm	2019/07/03

Plot 1: GSM850, Right Cheek, Middle

Type: Phone measurement

Date of measurement: 06/20/2019

Measurement duration: 22 minutes 01 seconds

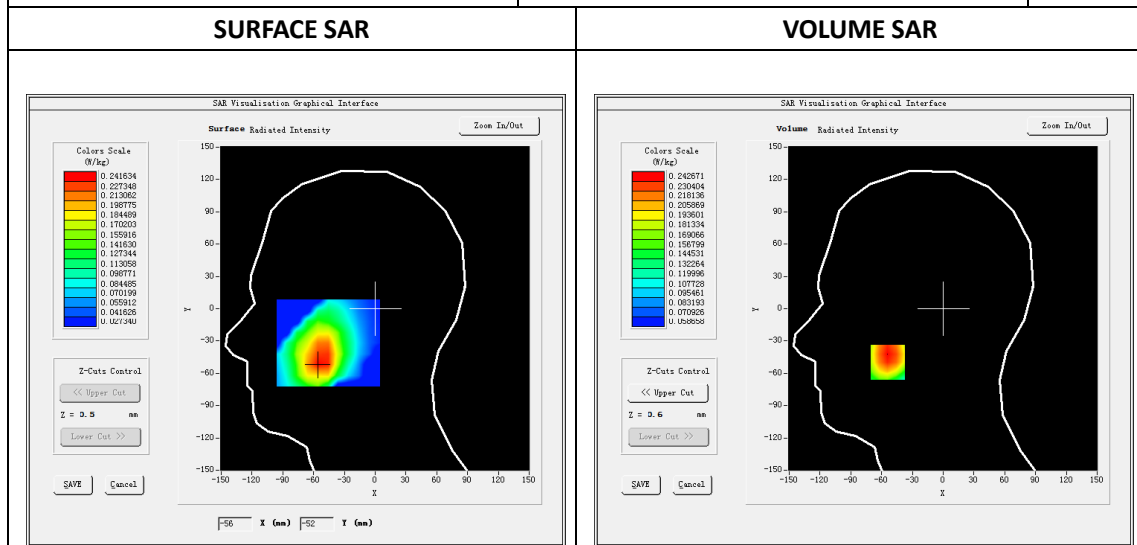
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

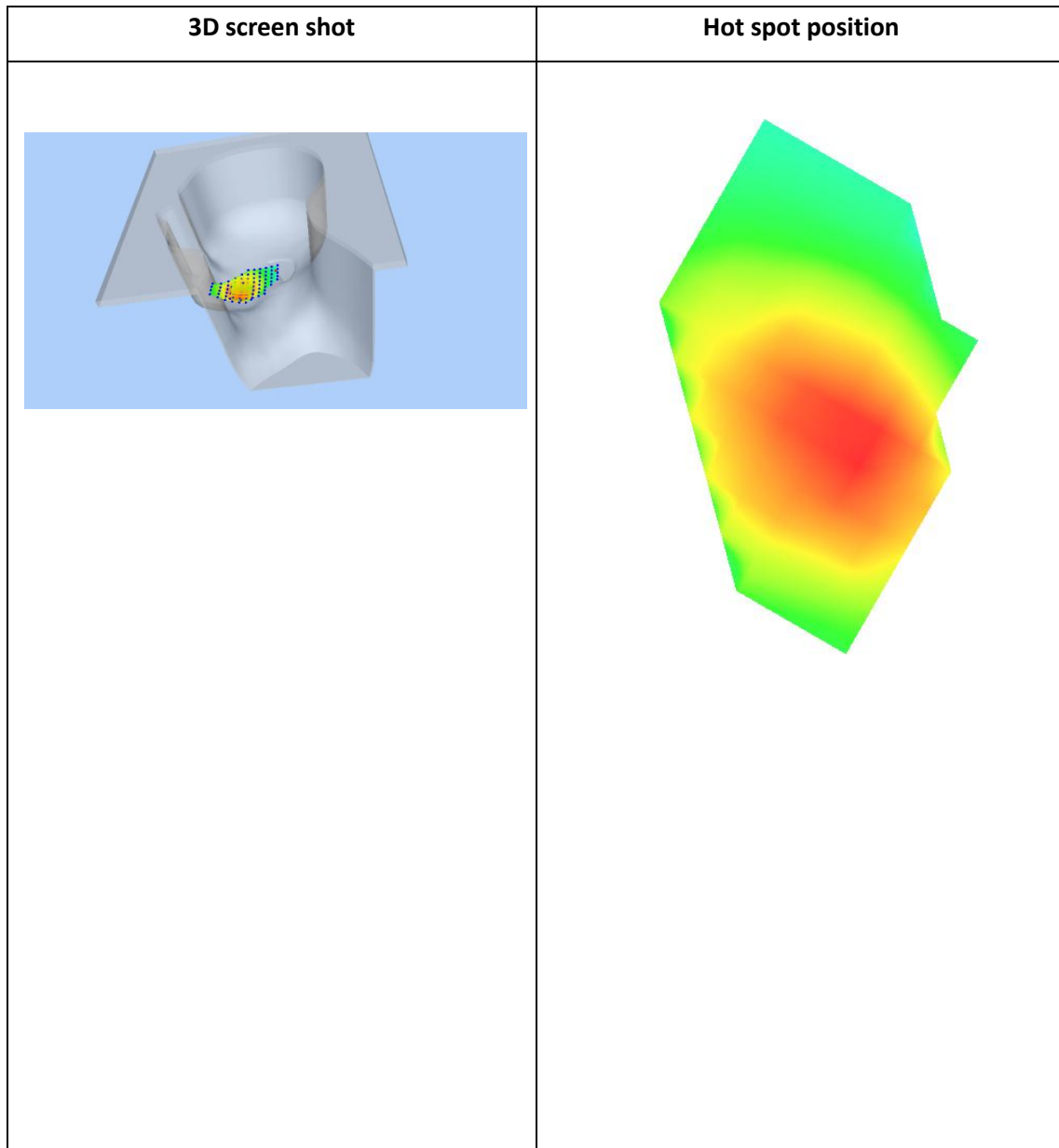
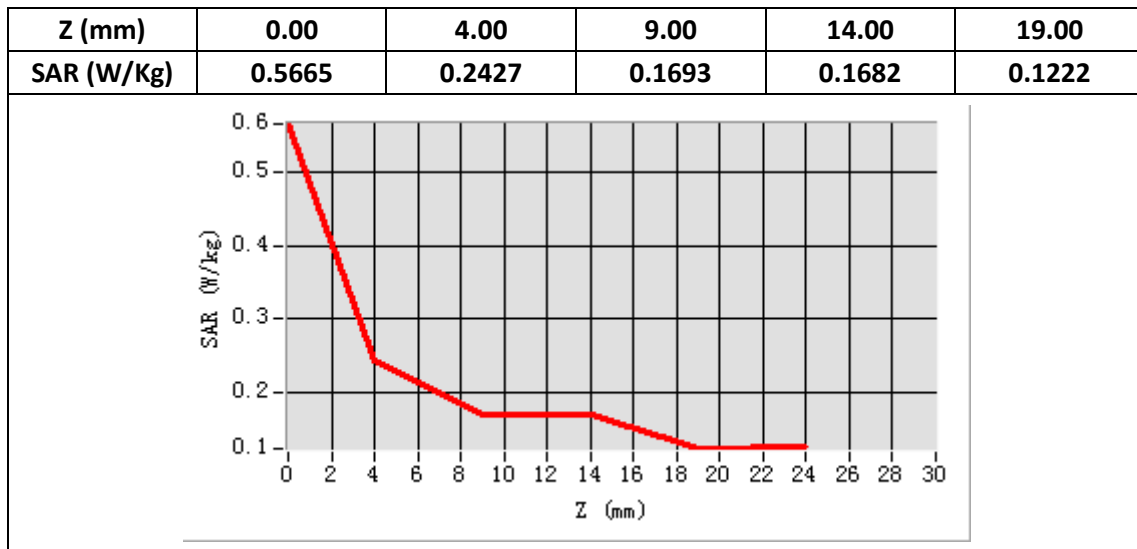
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.6
Relative permittivity (real part)	41.48
Relative permittivity (imaginary part)	19.62
Conductivity (S/m)	0.91
Variation (%)	-4.20
ConvF:	1.92



Maximum location: X=-54.00, Y=-50.00

SAR Peak: 0.29W/kg

SAR 10g (W/Kg)	0.187002
SAR 1g (W/Kg)	0.238383



Plot 2: GPRS850, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 06/20/2019

Measurement duration: 22 minutes 05 seconds

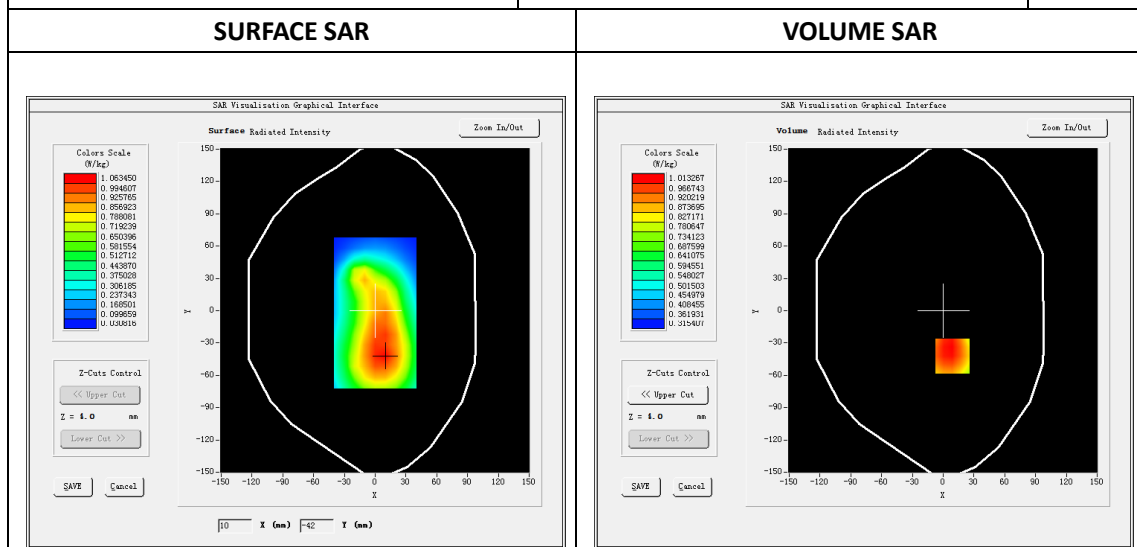
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

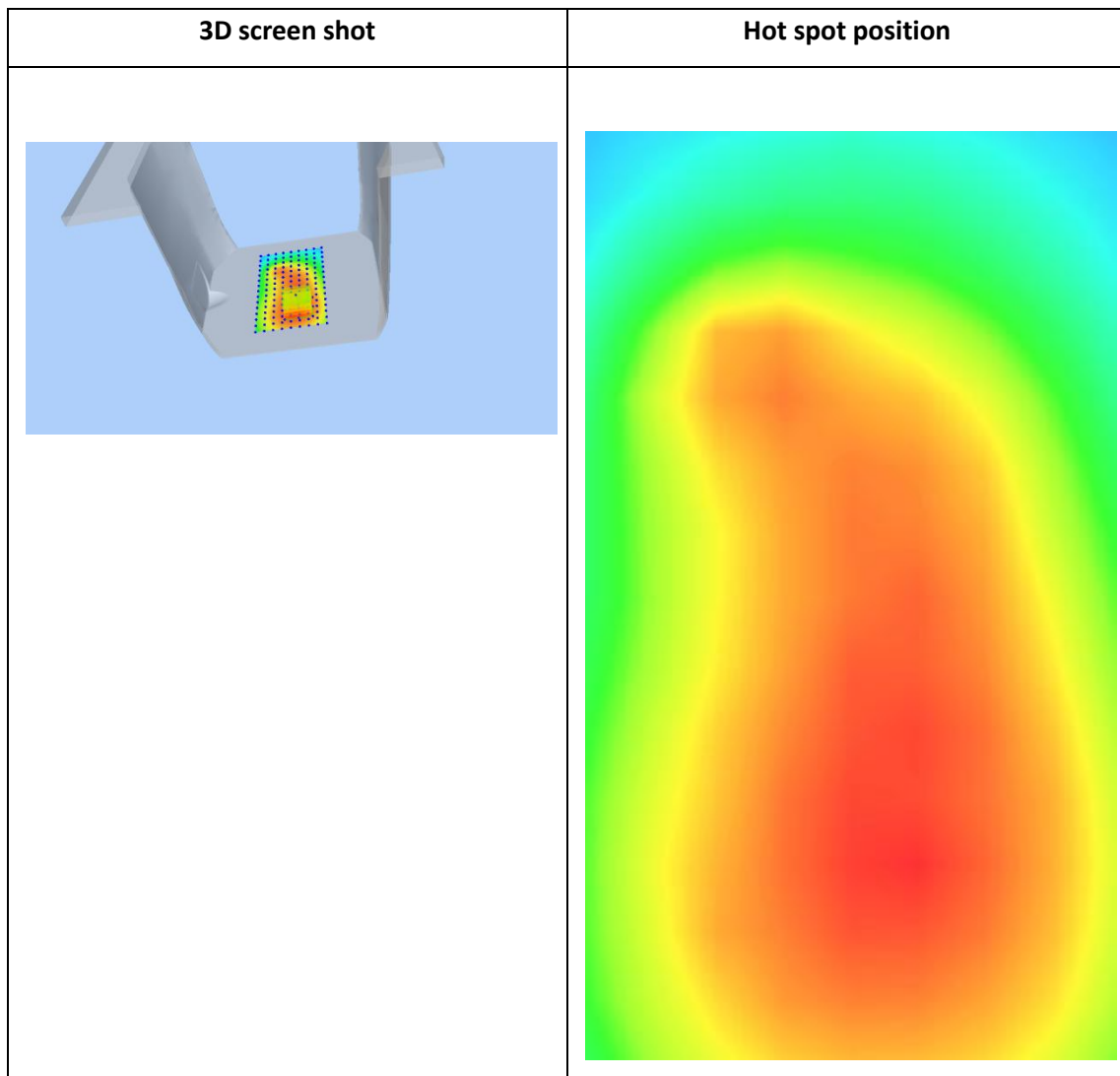
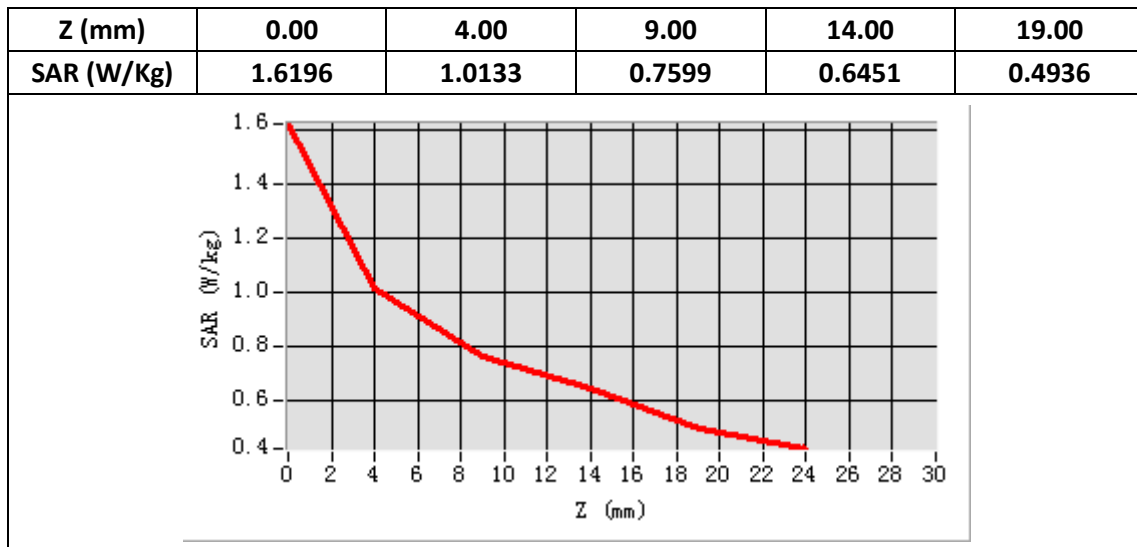
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.6
Relative permittivity (real part)	55.45
Relative permittivity (imaginary part)	20.69
Conductivity (S/m)	0.96
Variation (%)	-0.10
ConvF:	1.99



Maximum location: X=9.00, Y=-42.00

SAR Peak: 1.23 W/kg

SAR 10g (W/Kg)	0.770333
SAR 1g (W/Kg)	1.001548



Plot3: GSM1900, Left Cheek, Middle

Type: Phone measurement

Date of measurement: 06/21/2019

Measurement duration: 22 minutes 04 seconds

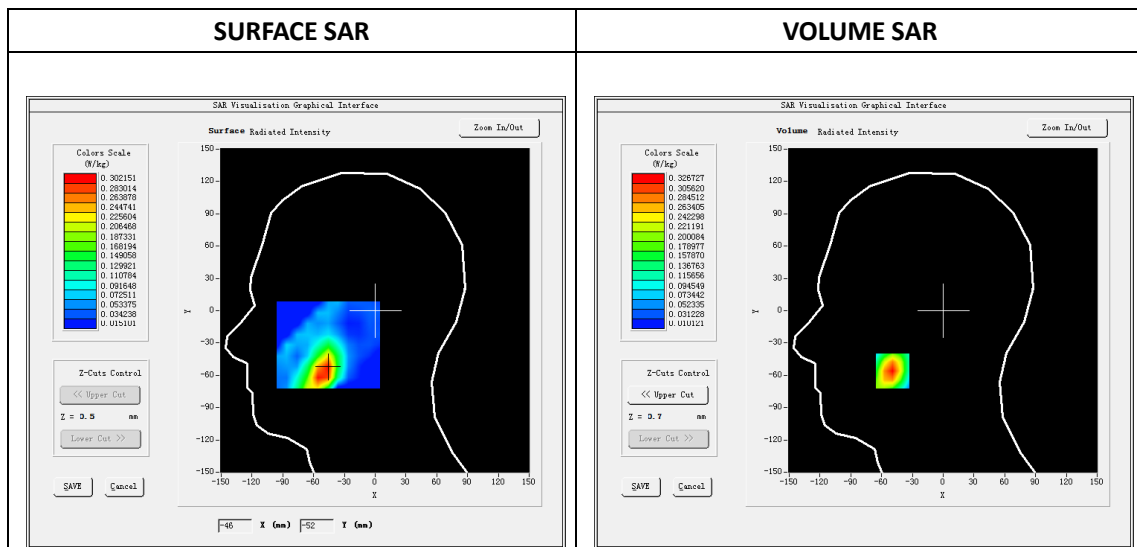
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

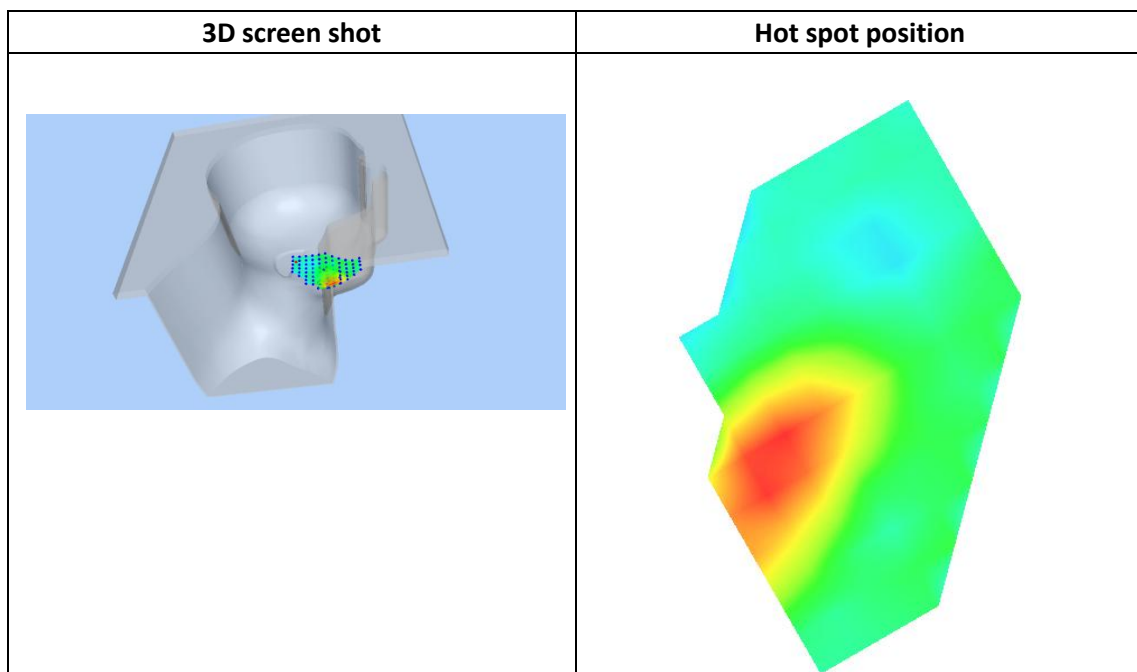
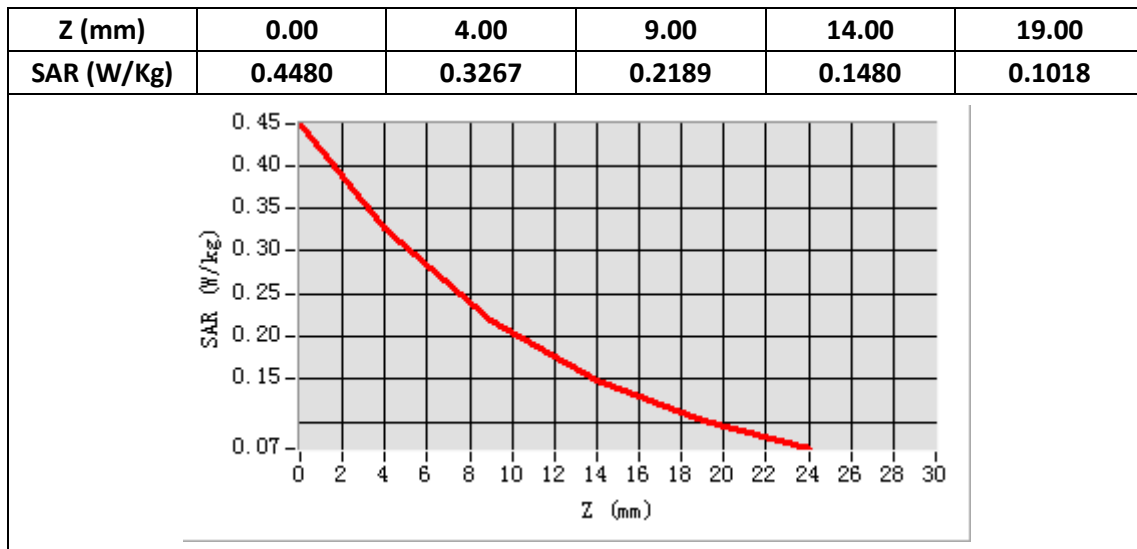
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	40.21
Relative permittivity (imaginary part)	13.36
Conductivity (S/m)	1.41
Variation (%)	-3.97
ConvF:	2.34



Maximum location: X=-49.00, Y=-56.00

SAR Peak: 0.45 W/kg

SAR 10g (W/Kg)	0.178429
SAR 1g (W/Kg)	0.304138



Plot4: GPRS1900, Back, Middle ,10mm

Type: Phone measurement

Date of measurement: 06/21/2019

Measurement duration: 22 minutes 03 seconds

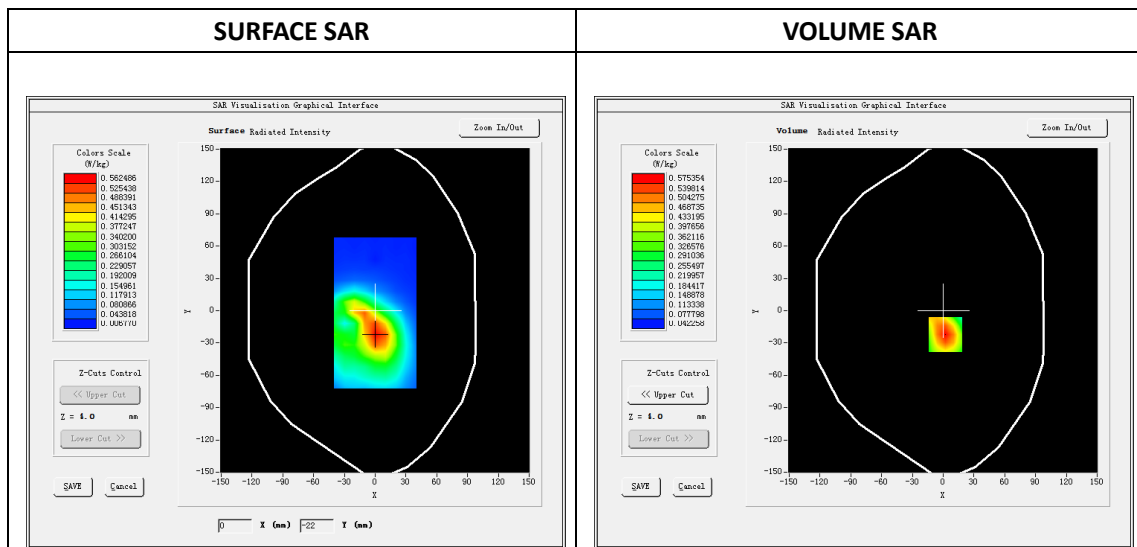
Mobile Phone IMEI number: --

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

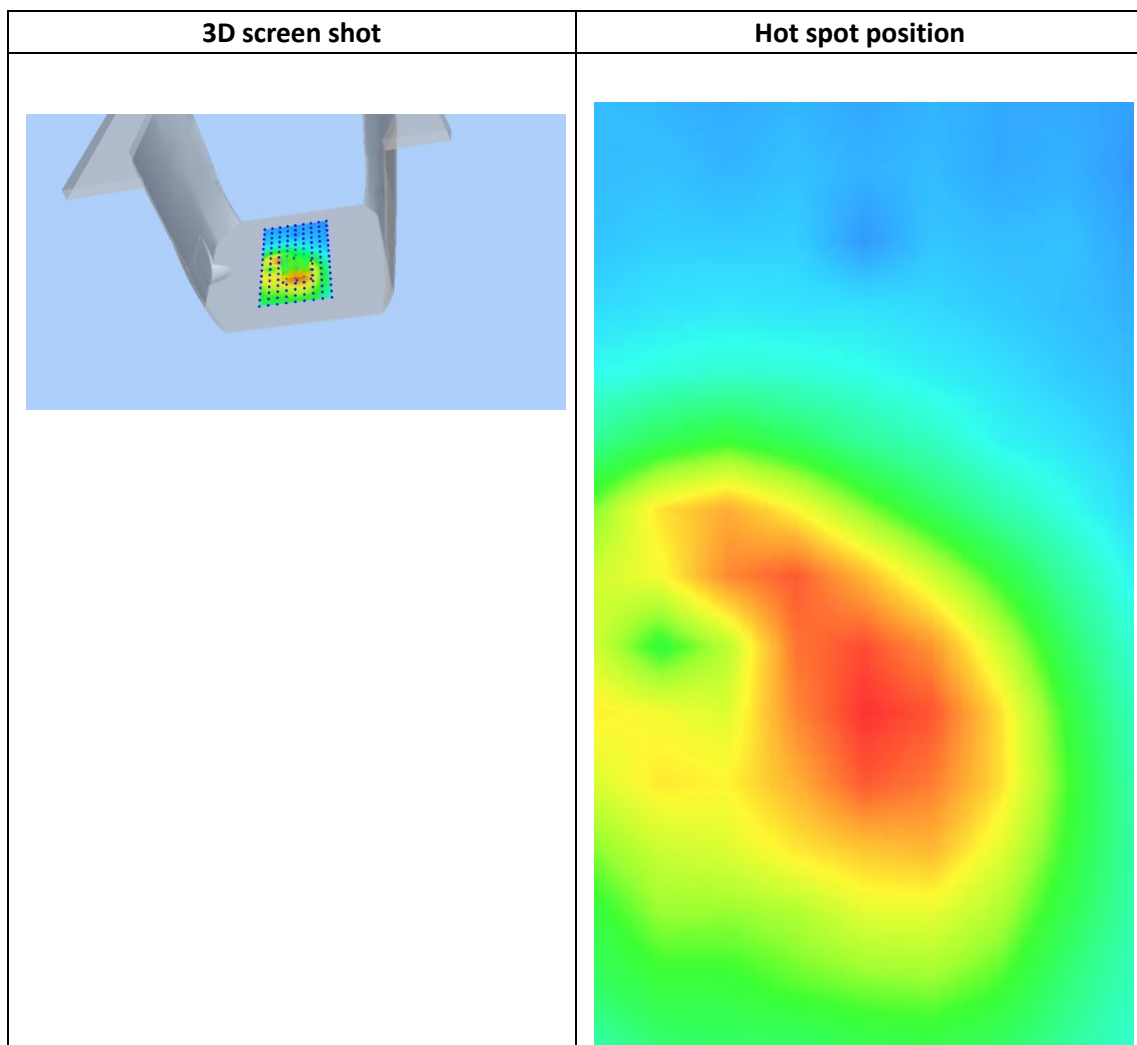
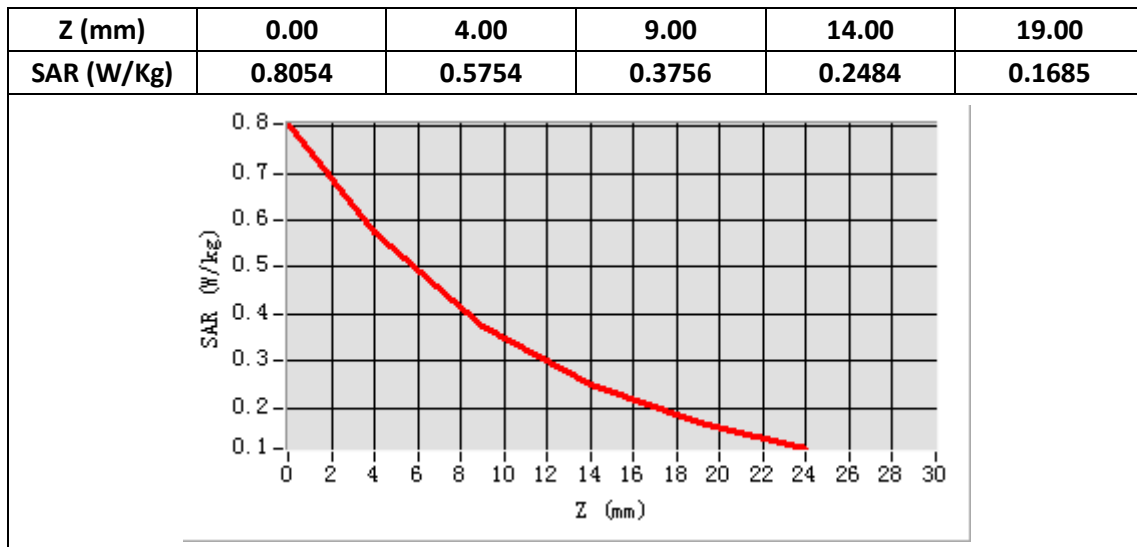
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.11
Relative permittivity (imaginary part)	14.31
Conductivity (S/m)	1.51
Variation (%)	-0.76
ConvF:	2.39



Maximum location: X=2.00, Y=-22.00

SAR Peak: 0.81W/kg

SAR 10g (W/Kg)	0.333737
SAR 1g (W/Kg)	0.542301



Plot5: GPRS1900, Edge C, Middle ,10mm

Type: Phone measurement

Date of measurement: 06/21/2019

Measurement duration: 22 minutes 33 seconds

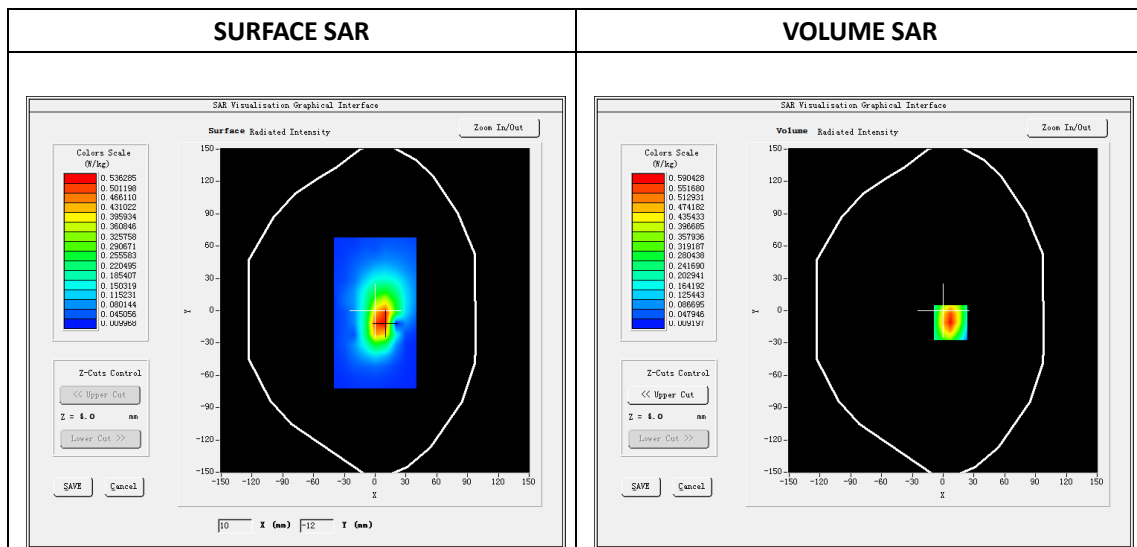
Mobile Phone IMEI number: --

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

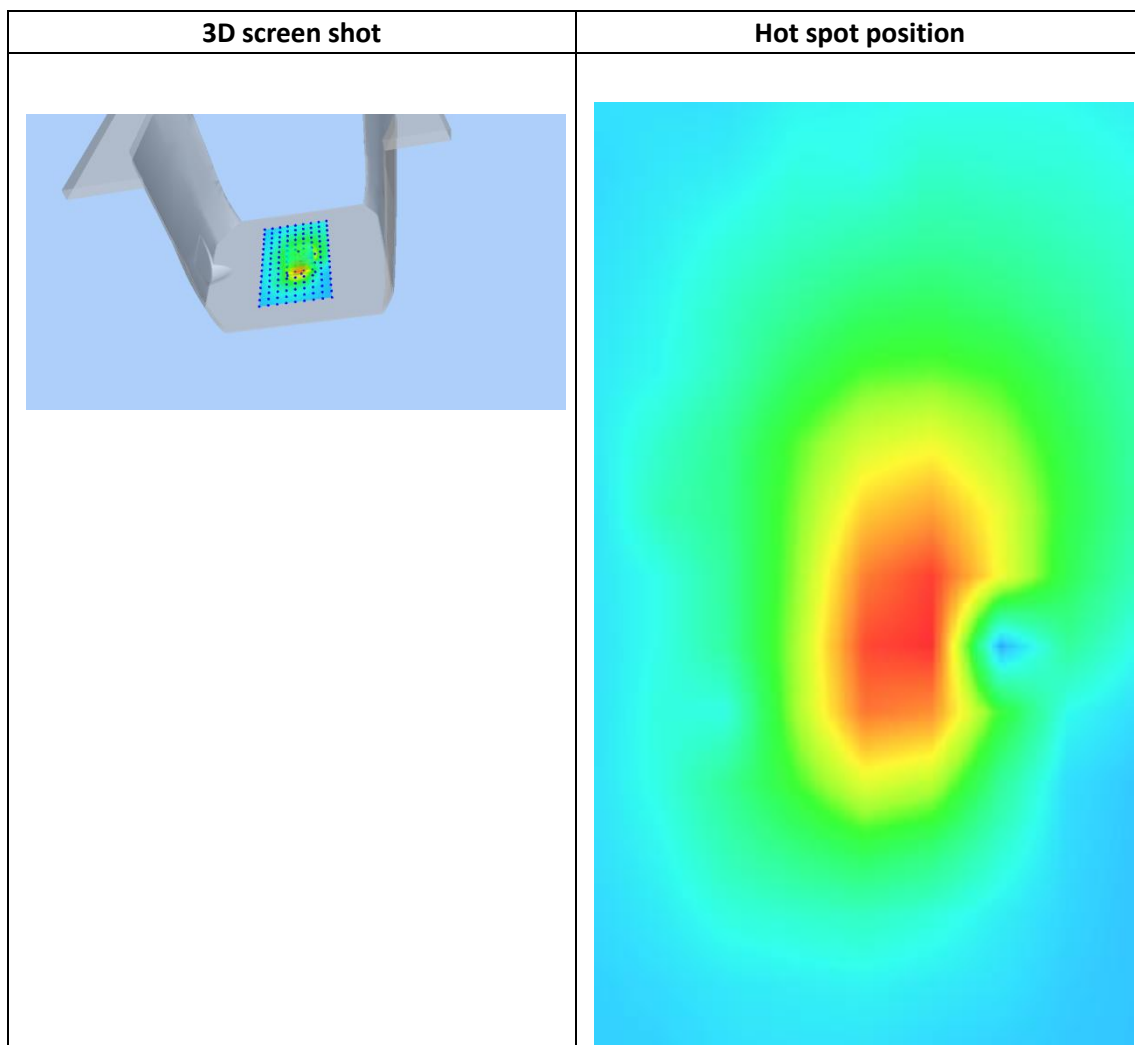
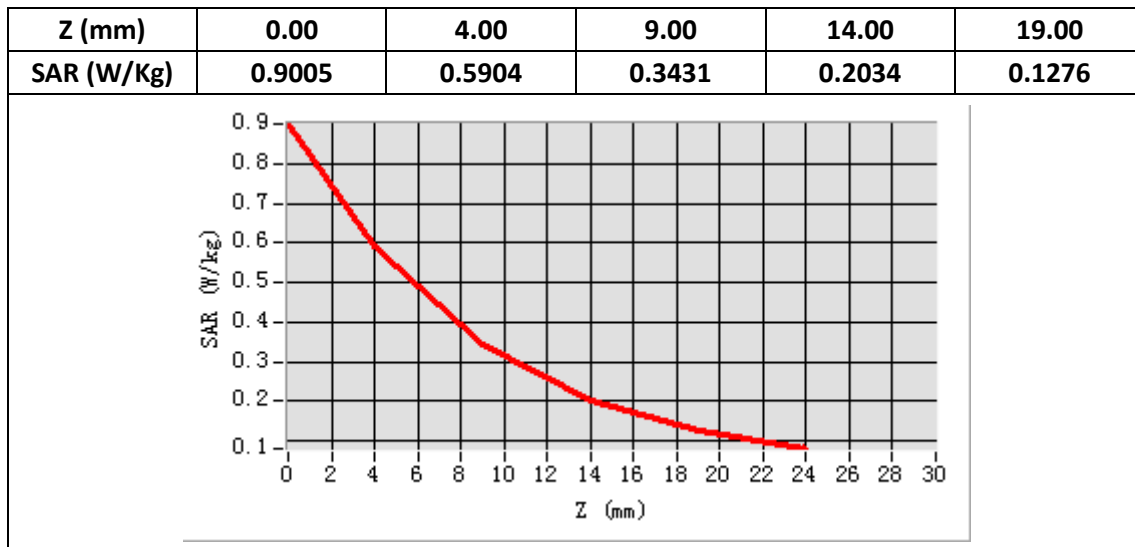
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.11
Relative permittivity (imaginary part)	14.31
Conductivity (S/m)	1.51
Variation (%)	-4.83
ConvF:	2.39



Maximum location: X=7.00, Y=-11.00

SAR Peak: 0.90W/kg

SAR 10g (W/Kg)	0.294106
SAR 1g (W/Kg)	0.548729



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

Type: Phone measurement

Date of measurement: 06/21/2019

Measurement duration: 22 minutes 28 seconds

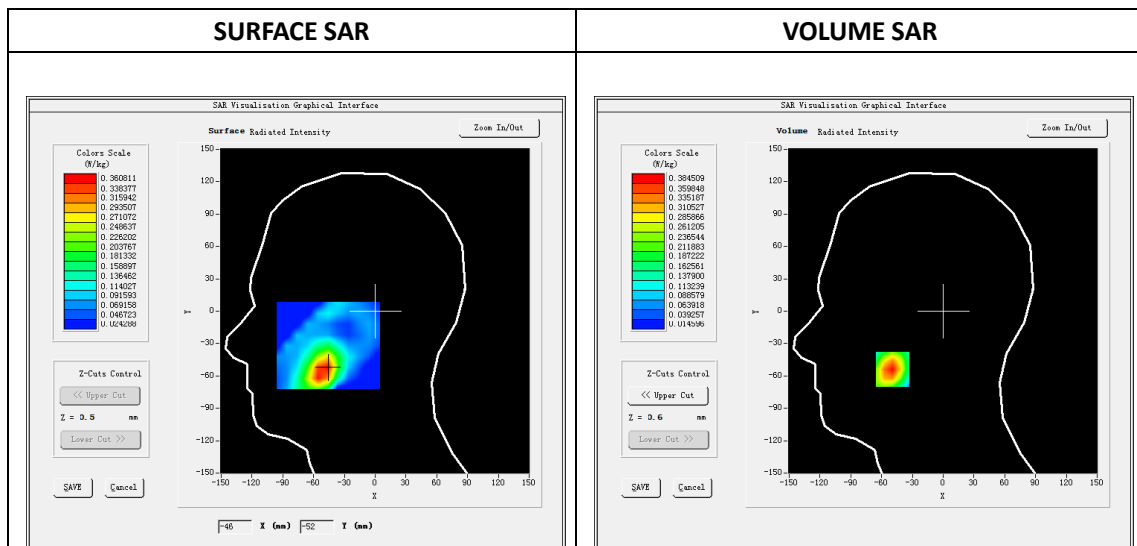
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

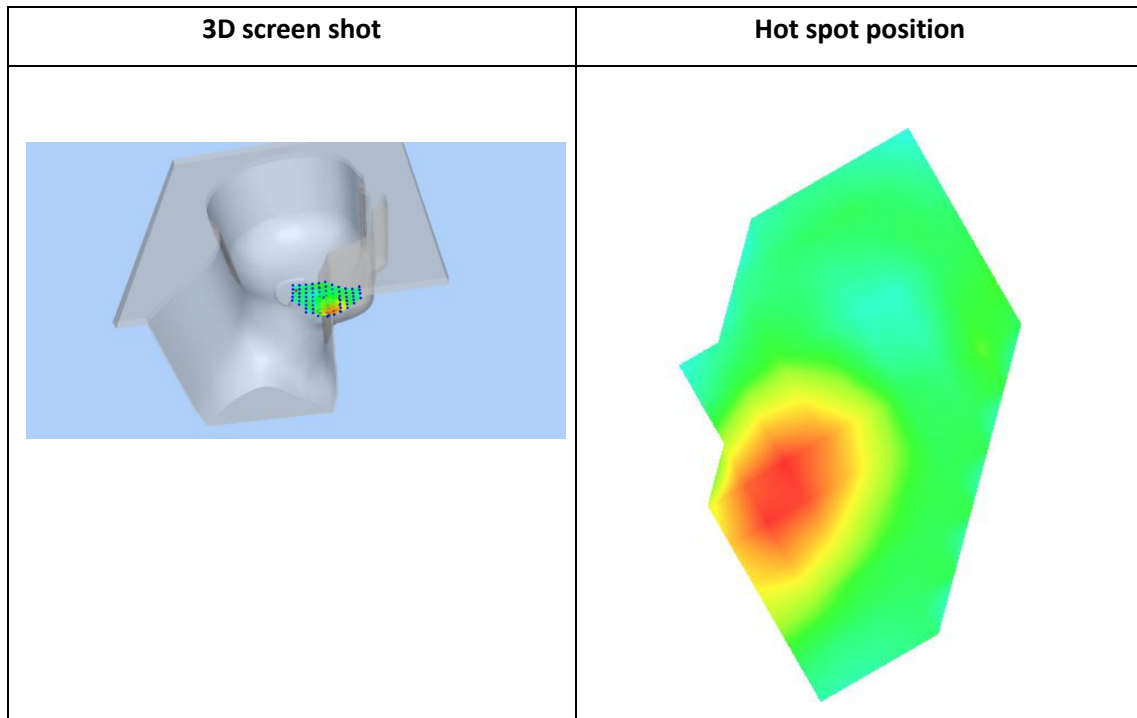
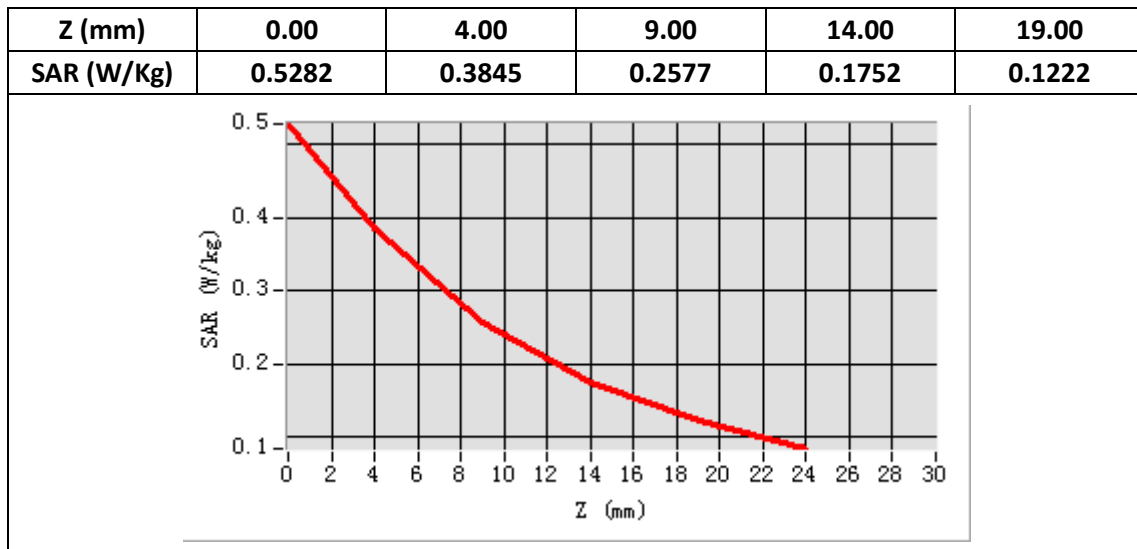
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	40.21
Relative permittivity (imaginary part)	13.36
Conductivity (S/m)	1.41
Variation (%)	-4.01
ConvF:	2.34



Maximum location: X=-49.00, Y=-54.00

SAR Peak: 0.53W/kg

SAR 10g (W/Kg)	0.216095
SAR 1g (W/Kg)	0.360368



Plot 7: WCDMA1900, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 06/21/2019

Measurement duration: 22 minutes 21 seconds

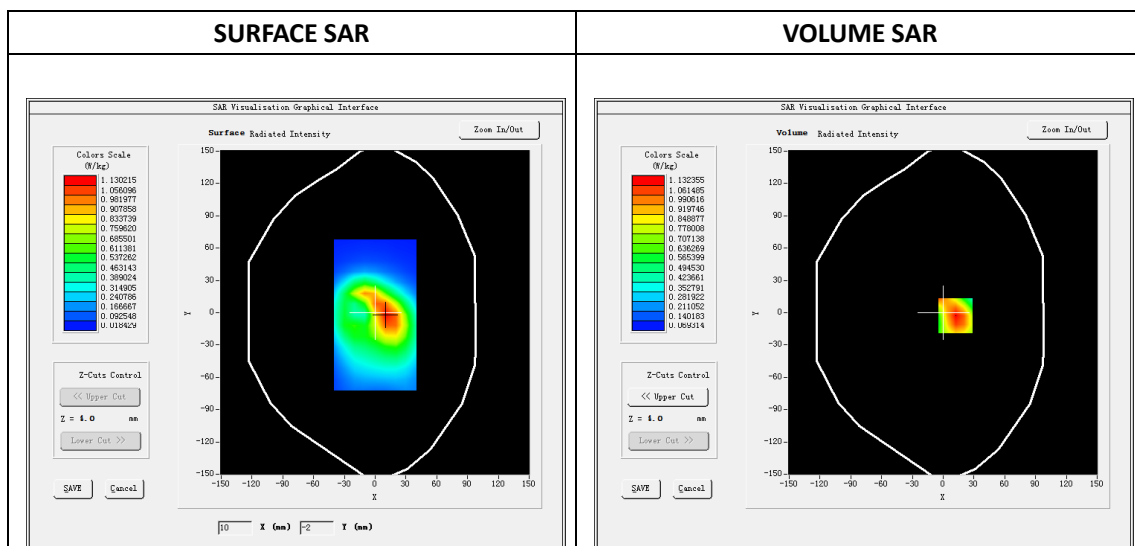
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

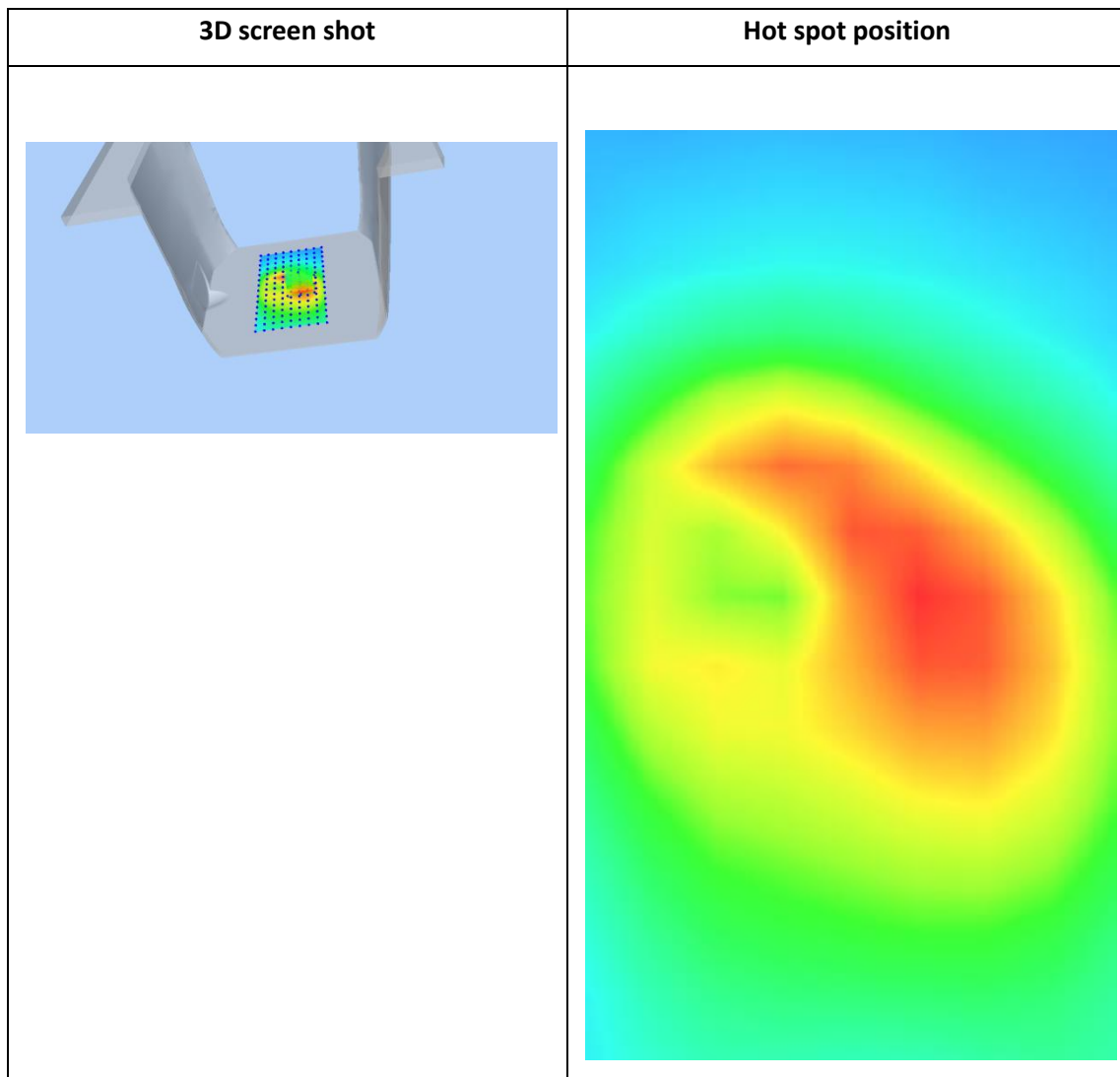
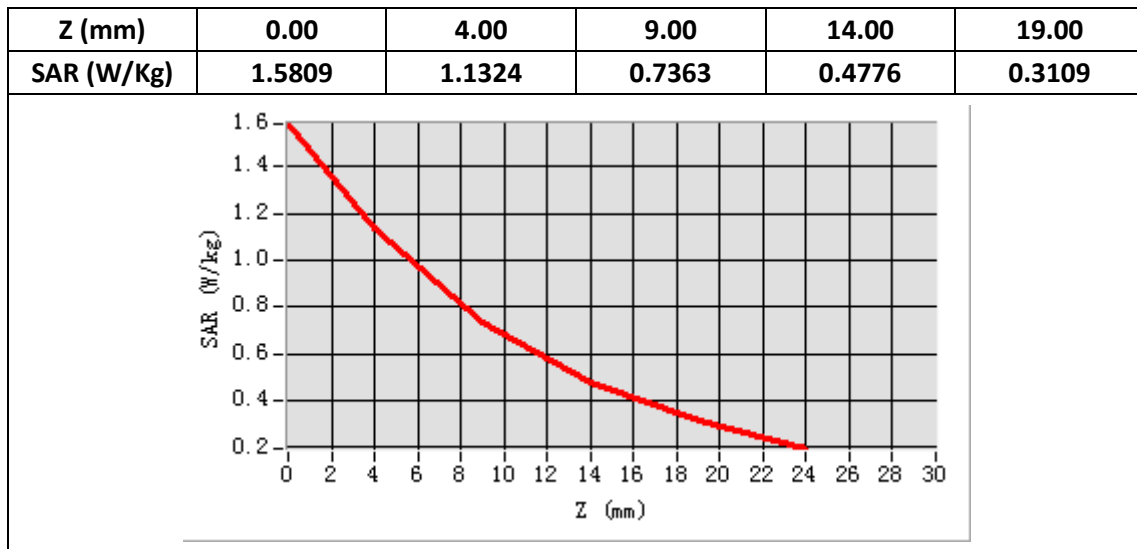
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.11
Relative permittivity (imaginary part)	14.31
Conductivity (S/m)	1.51
Variation (%)	-1.10
ConvF:	2.39



Maximum location: X=12.00, Y=-3.00

SAR Peak: 1.59W/kg

SAR 10g (W/Kg)	0.647910
SAR 1g (W/Kg)	1.068021



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

Type: Phone measurement

Date of measurement: 06/21/2019

Measurement duration: 22 minutes 02 seconds

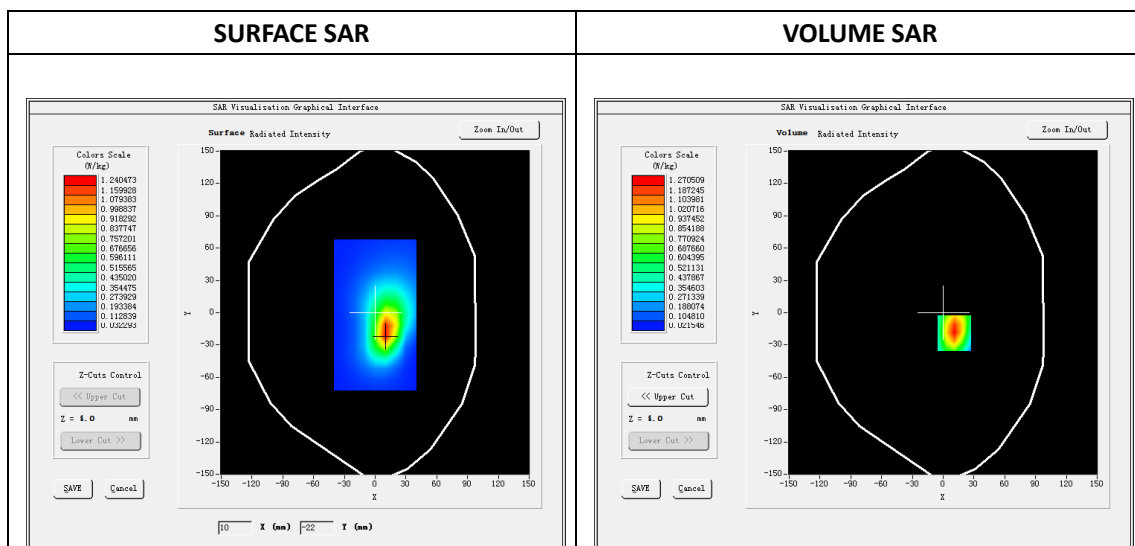
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

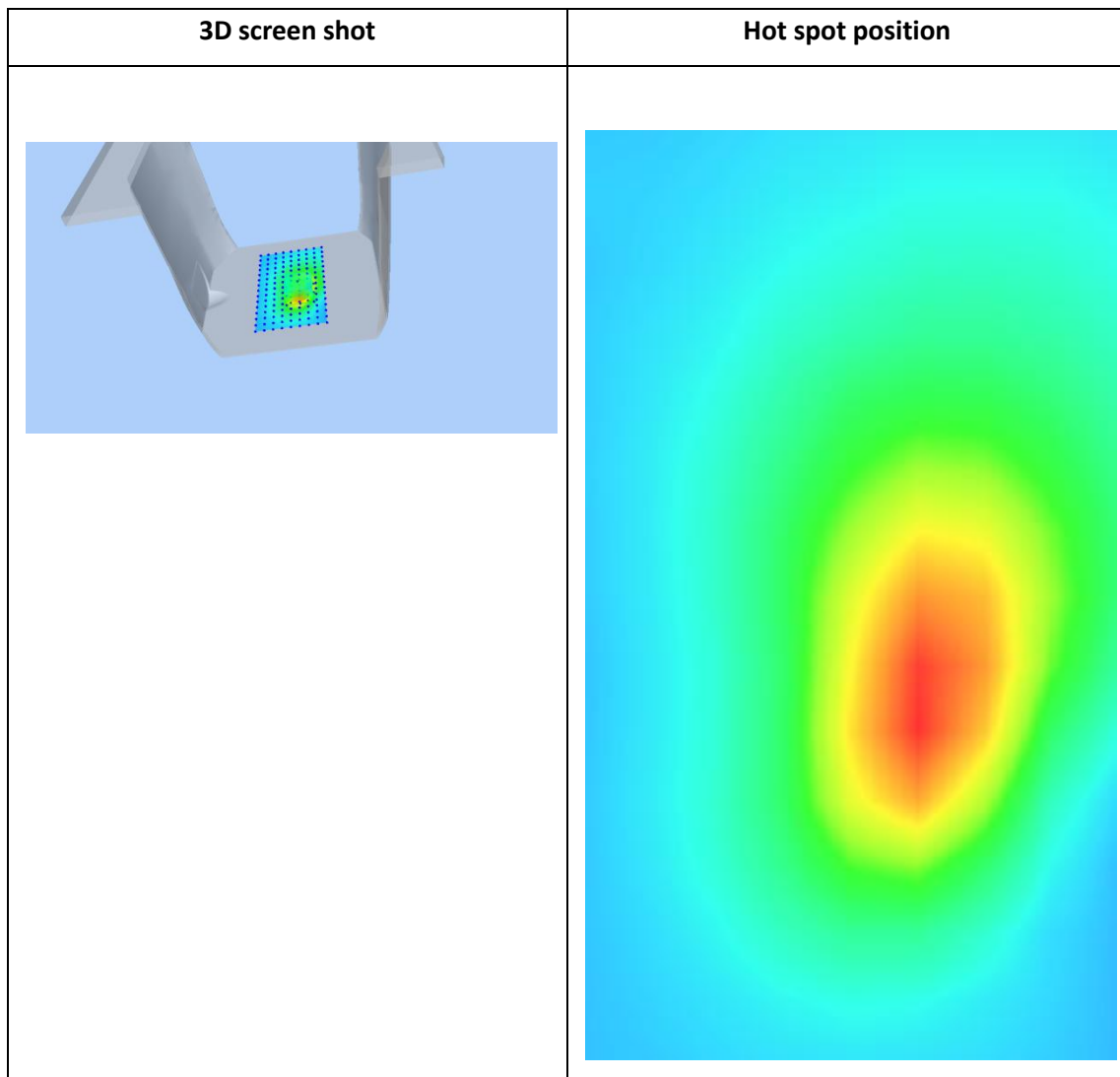
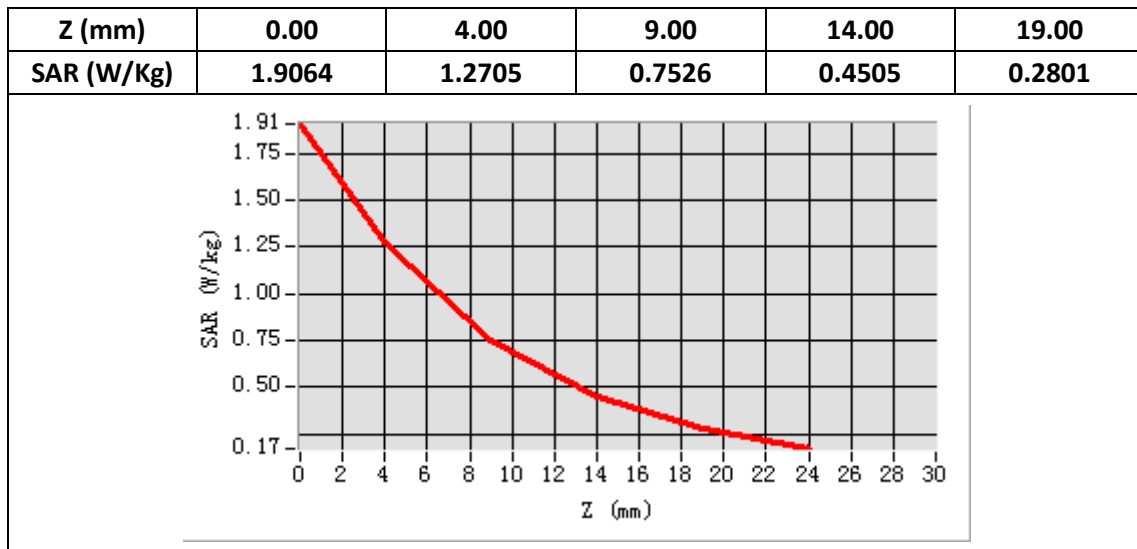
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.11
Relative permittivity (imaginary part)	14.31
Conductivity (S/m)	1.51
Variation (%)	-2.81
ConvF:	2.39



Maximum location: X=11.00, Y=-19.00

SAR Peak: 1.92W/kg

SAR 10g (W/Kg)	0.637394
SAR 1g (W/Kg)	1.181337



Plot 9: WCDMA850, Left Cheek, Middle

Type: Phone measurement

Date of measurement: 06/20/2019

Measurement duration: 22 minutes 15 seconds

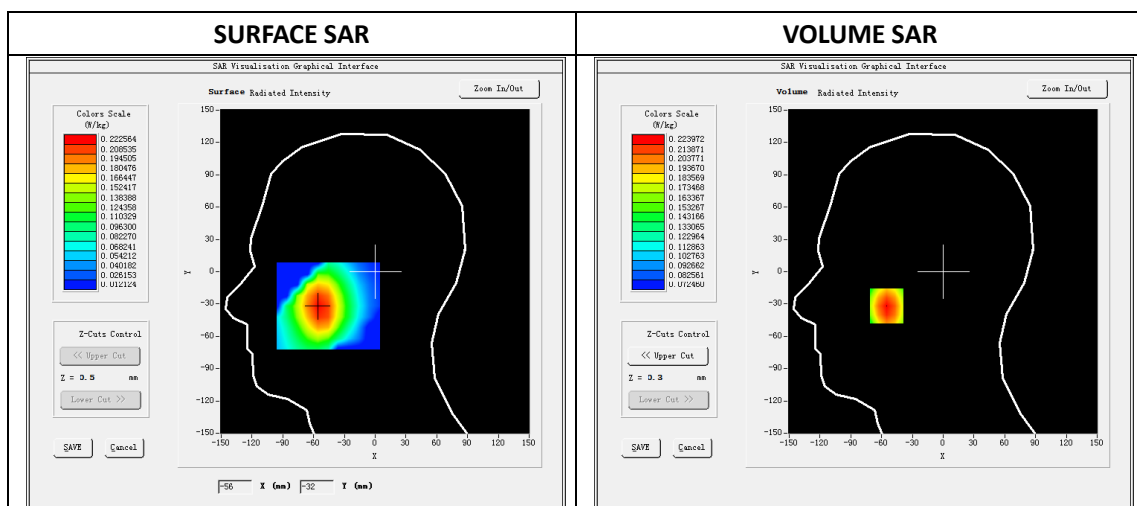
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

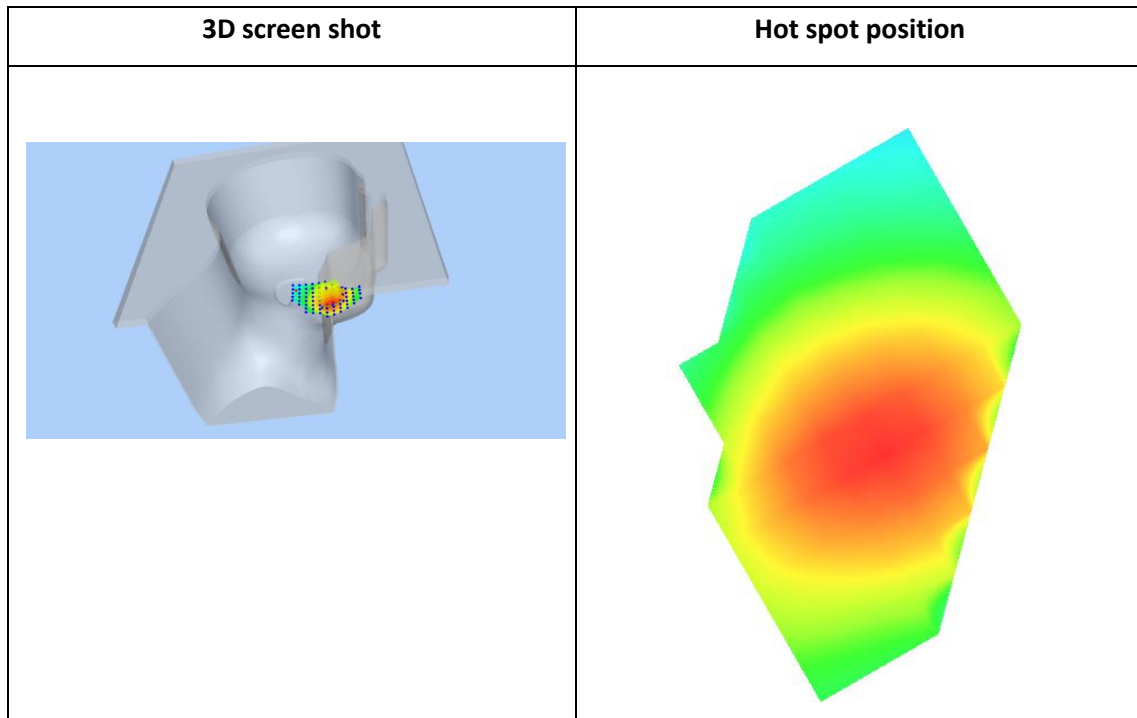
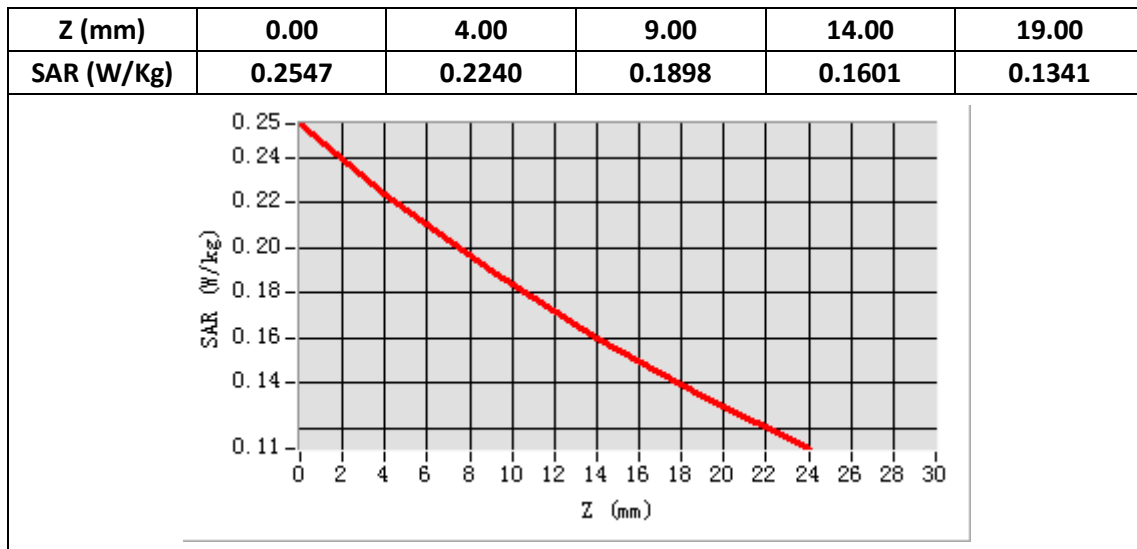
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.6
Relative permittivity (real part)	41.48
Relative permittivity (imaginary part)	19.62
Conductivity (S/m)	0.91
Variation (%)	-1.19
ConvF:	1.92



Maximum location: X=-55.00, Y=-32.00

SAR Peak: 0.26W/kg

SAR 10g (W/Kg)	0.173171
SAR 1g (W/Kg)	0.220238



Plot 10: WCDMA850, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 06/20/2019

Measurement duration: 22 minutes 08 seconds

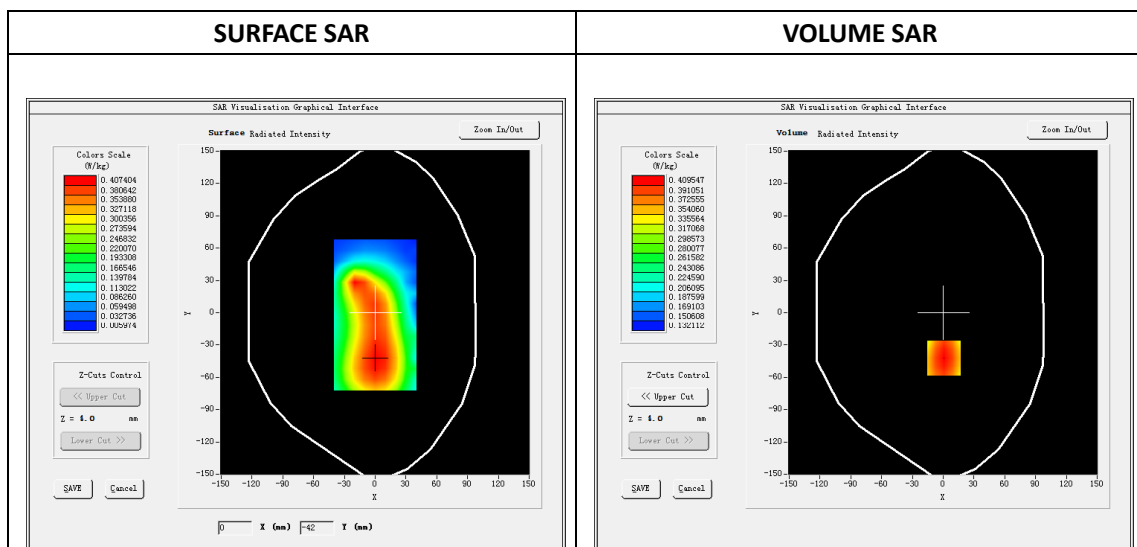
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

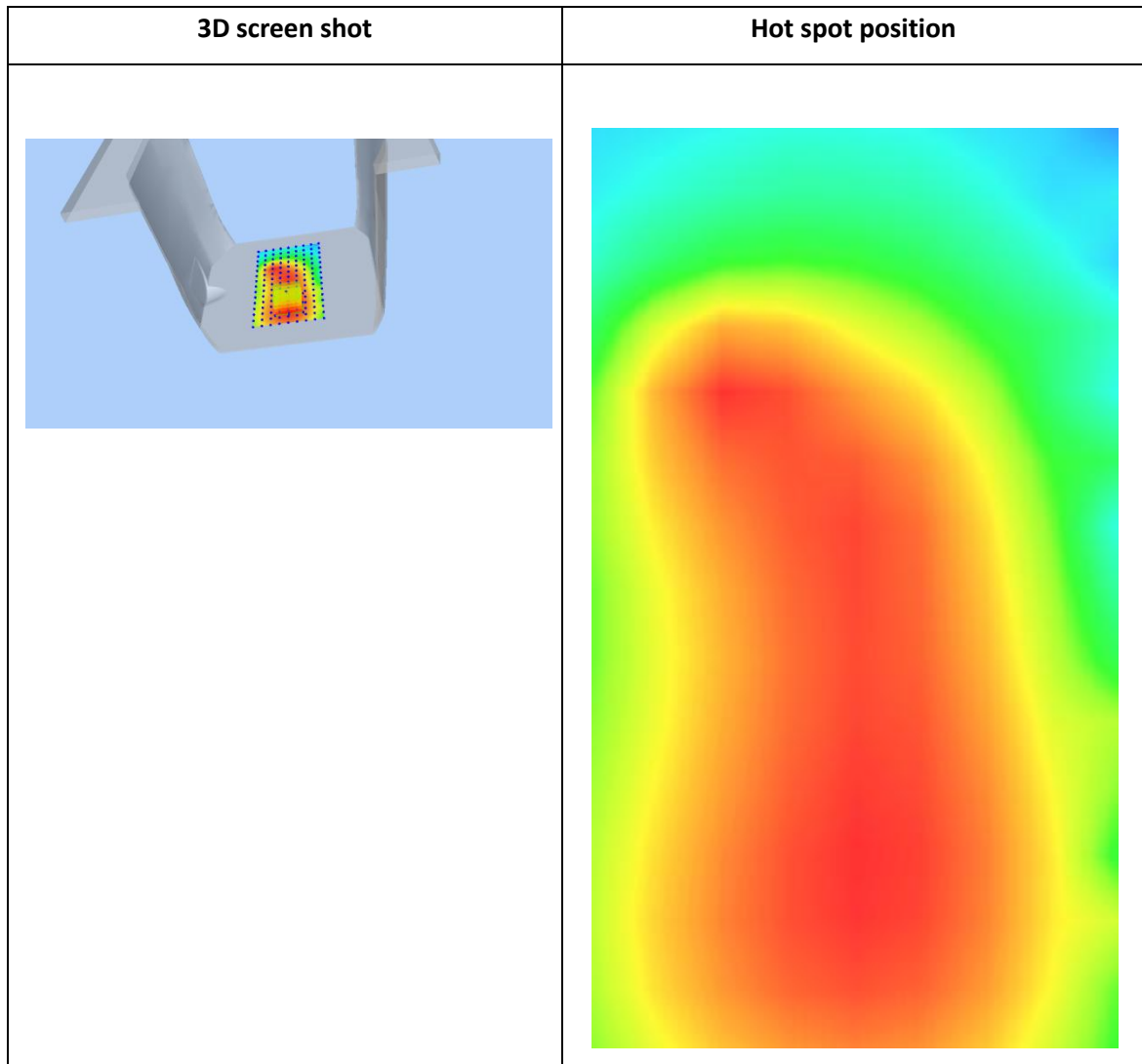
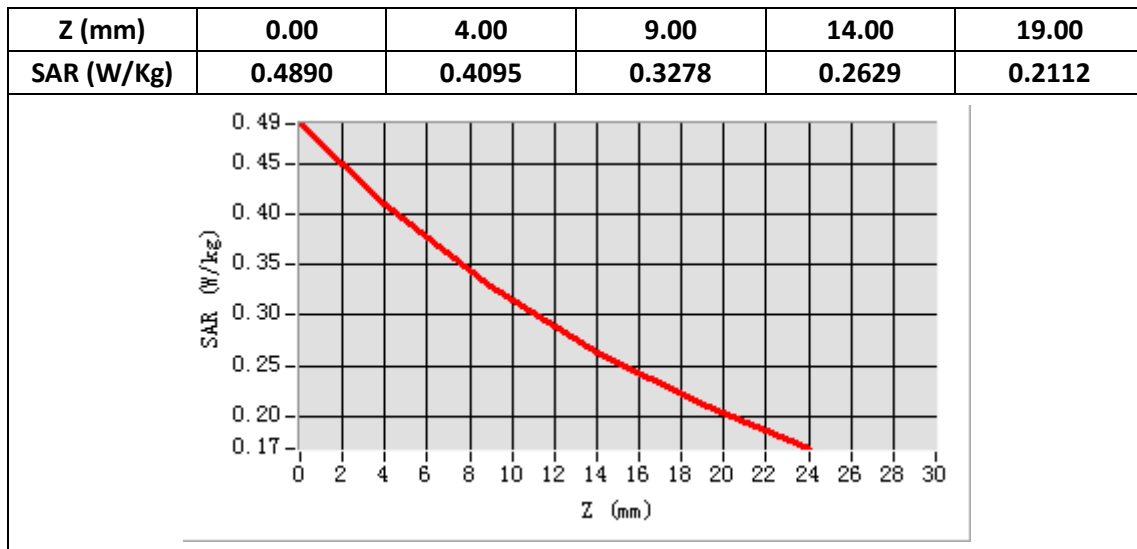
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.6
Relative permittivity (real part)	55.45
Relative permittivity (imaginary part)	20.69
Conductivity (S/m)	0.96
Variation (%)	-3.78
ConvF:	1.99



Maximum location: X=1.00, Y=-42.00

SAR Peak: 0.49W/kg

SAR 10g (W/Kg)	0.309096
SAR 1g (W/Kg)	0.403835



Plot 11: LTE Band2, 20MHz,Left Cheek, Middle

Type: Phone measurement

Date of measurement: 06/21/2019

Measurement duration: 22 minutes 16 econds

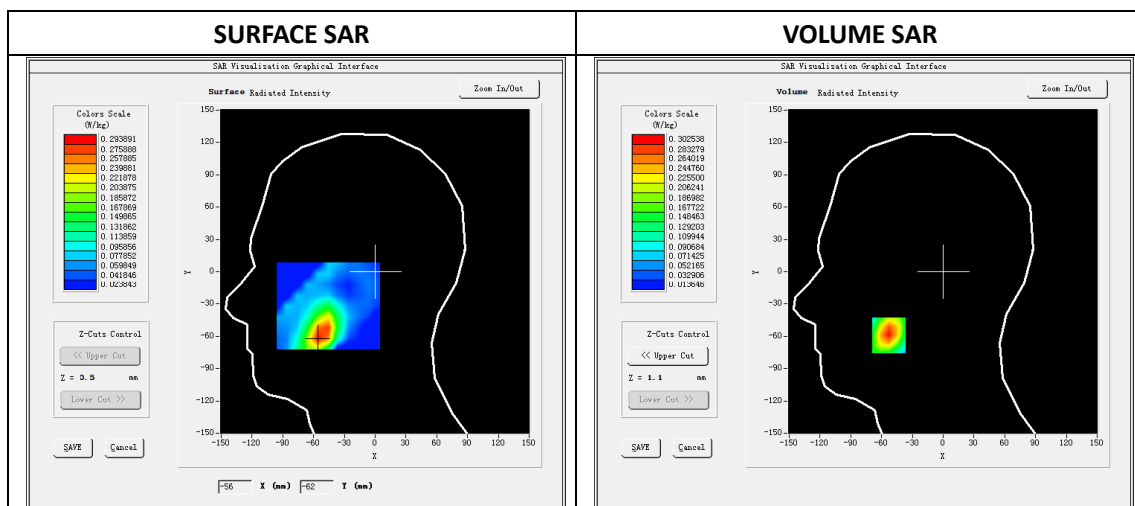
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

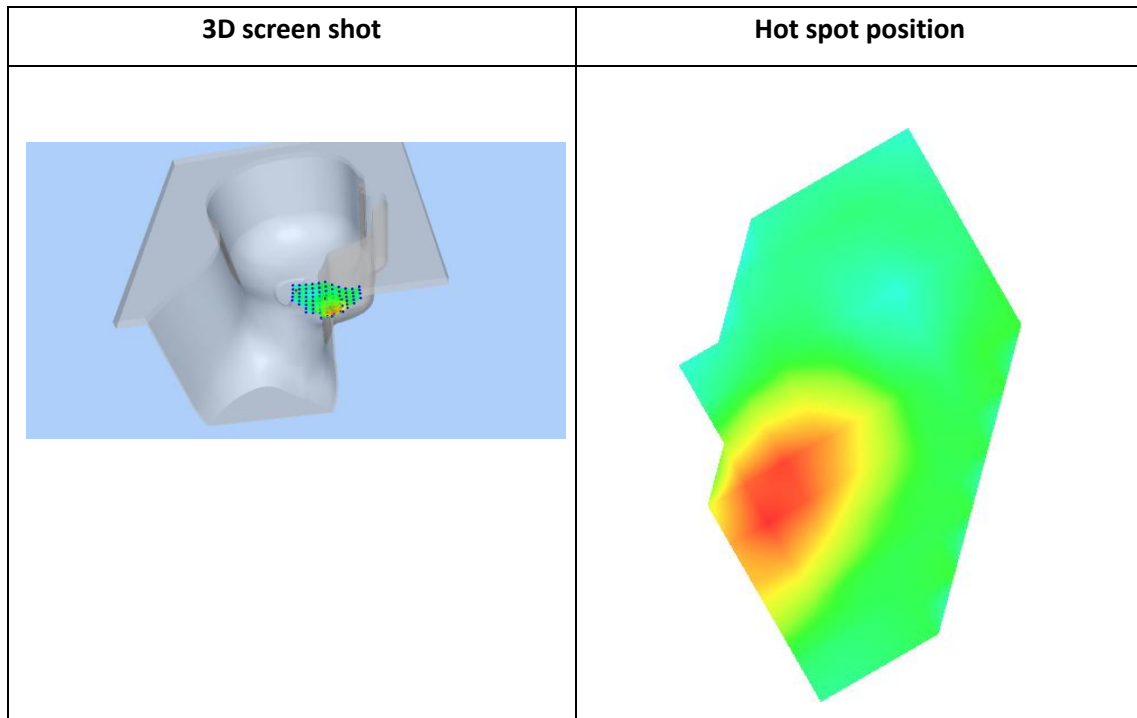
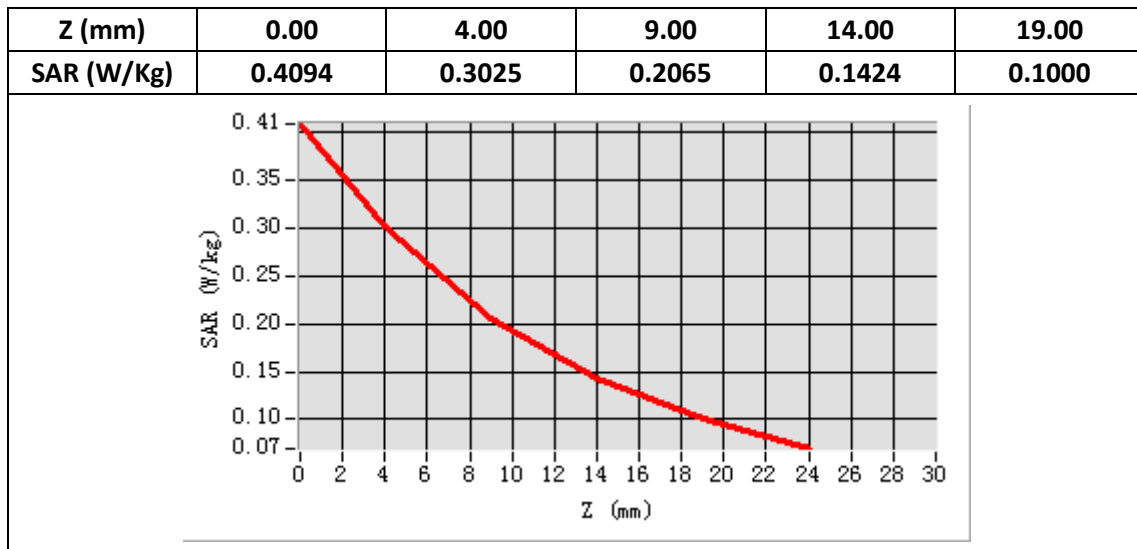
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	40.21
Relative permittivity (imaginary part)	13.36
Conductivity (S/m)	1.41
Variation (%)	-2.79
ConvF:	2.34



Maximum location: X=-53.00, Y=-59.00

SAR Peak: 0.41 W/kg

SAR 10g (W/Kg)	0.170772
SAR 1g (W/Kg)	0.282595



Plot 12: LTE Band2, 20MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 06/21/2019

Measurement duration: 22 minutes 06 seconds

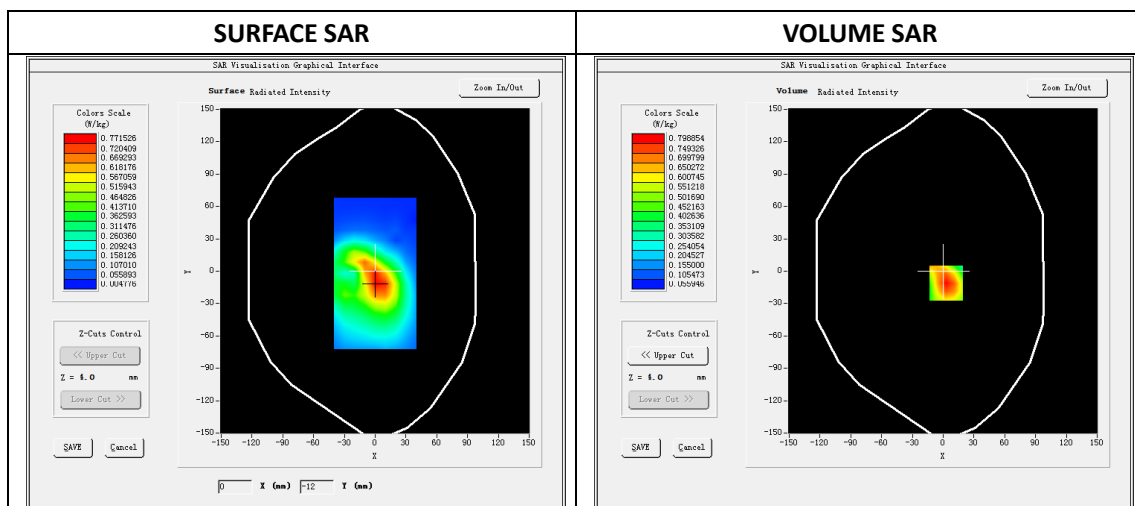
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

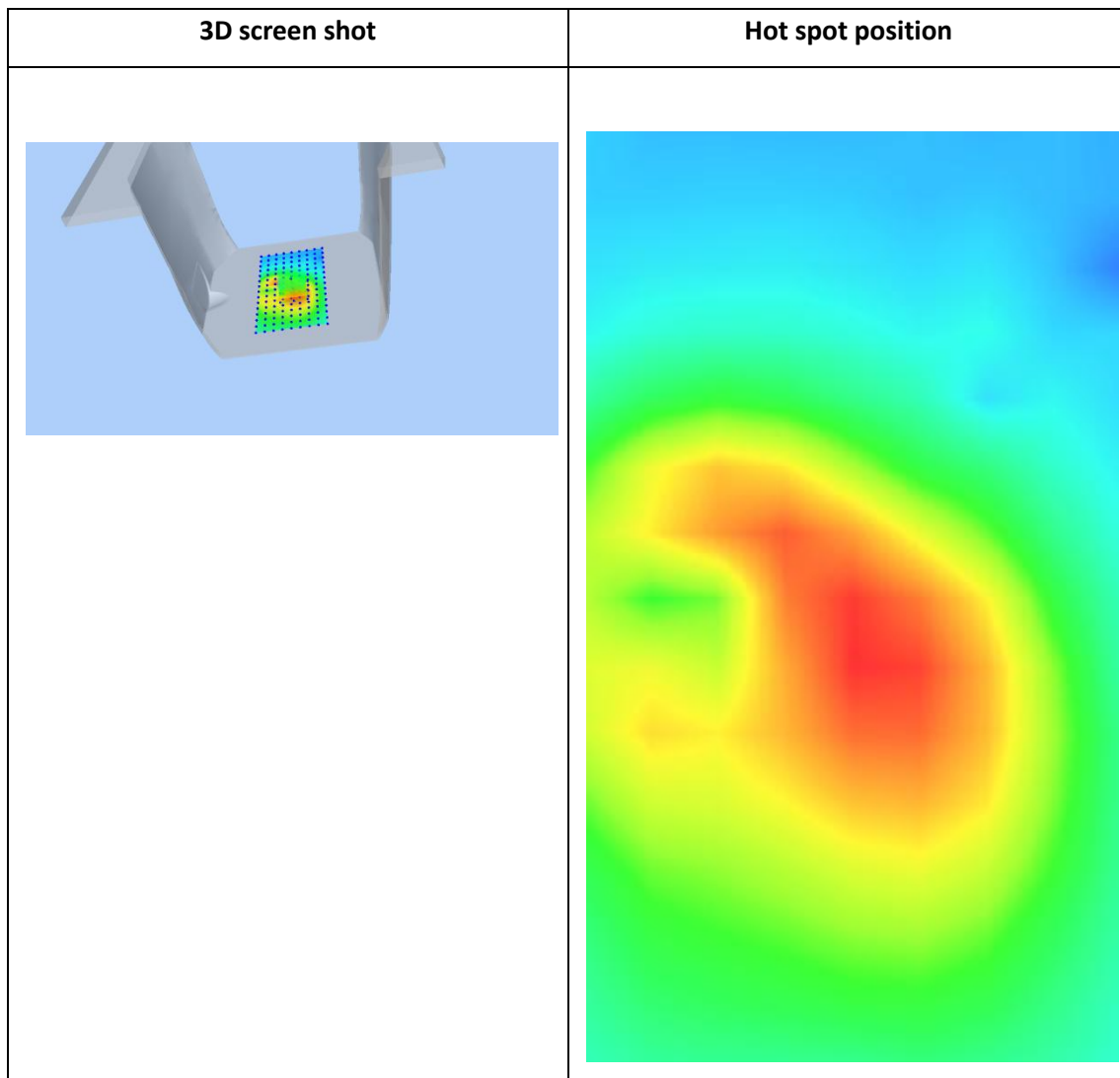
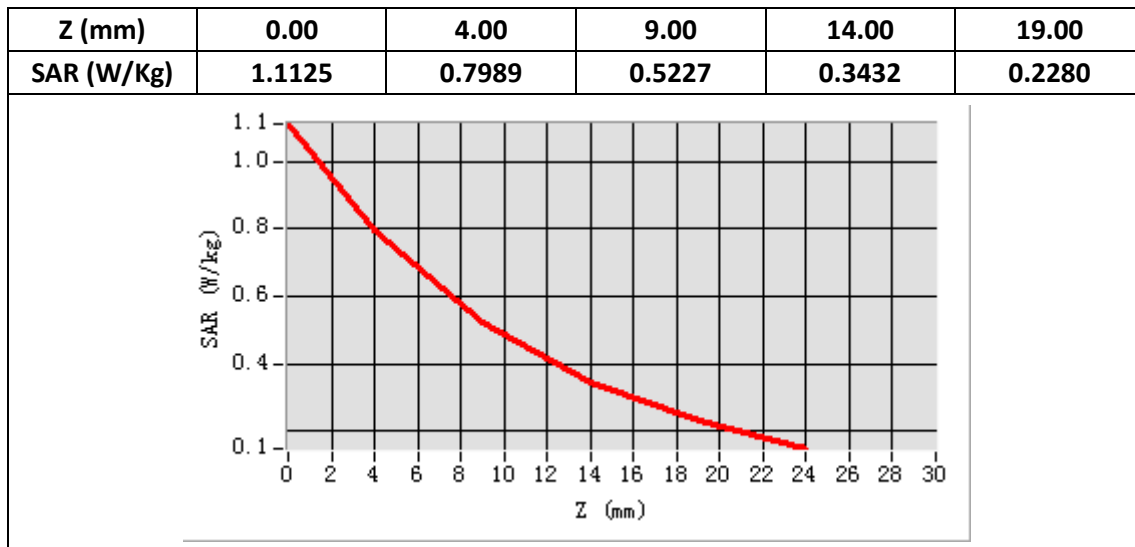
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.11
Relative permittivity (imaginary part)	14.31
Conductivity (S/m)	1.51
Variation (%)	-1.58
ConvF:	2.39



Maximum location: X=3.00, Y=-11.00

SAR Peak: 1.12W/kg

SAR 10g (W/Kg)	0.461621
SAR 1g (W/Kg)	0.754249



Plot 13: LTE Band2, 20MHz, Edge C, Middle,10mm

Type: Phone measurement

Date of measurement: 06/21/2019

Measurement duration: 22 minutes 07 seconds

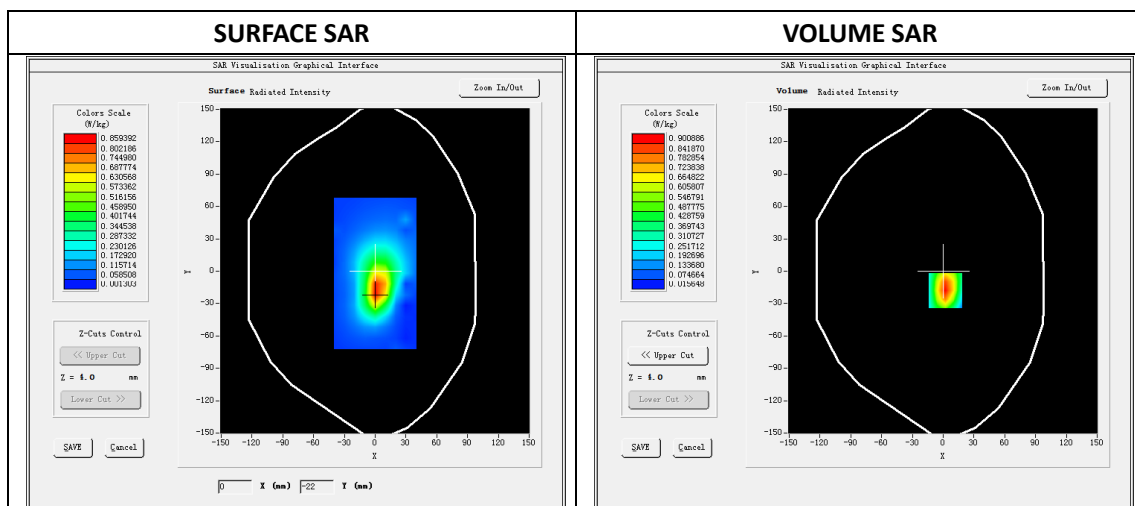
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

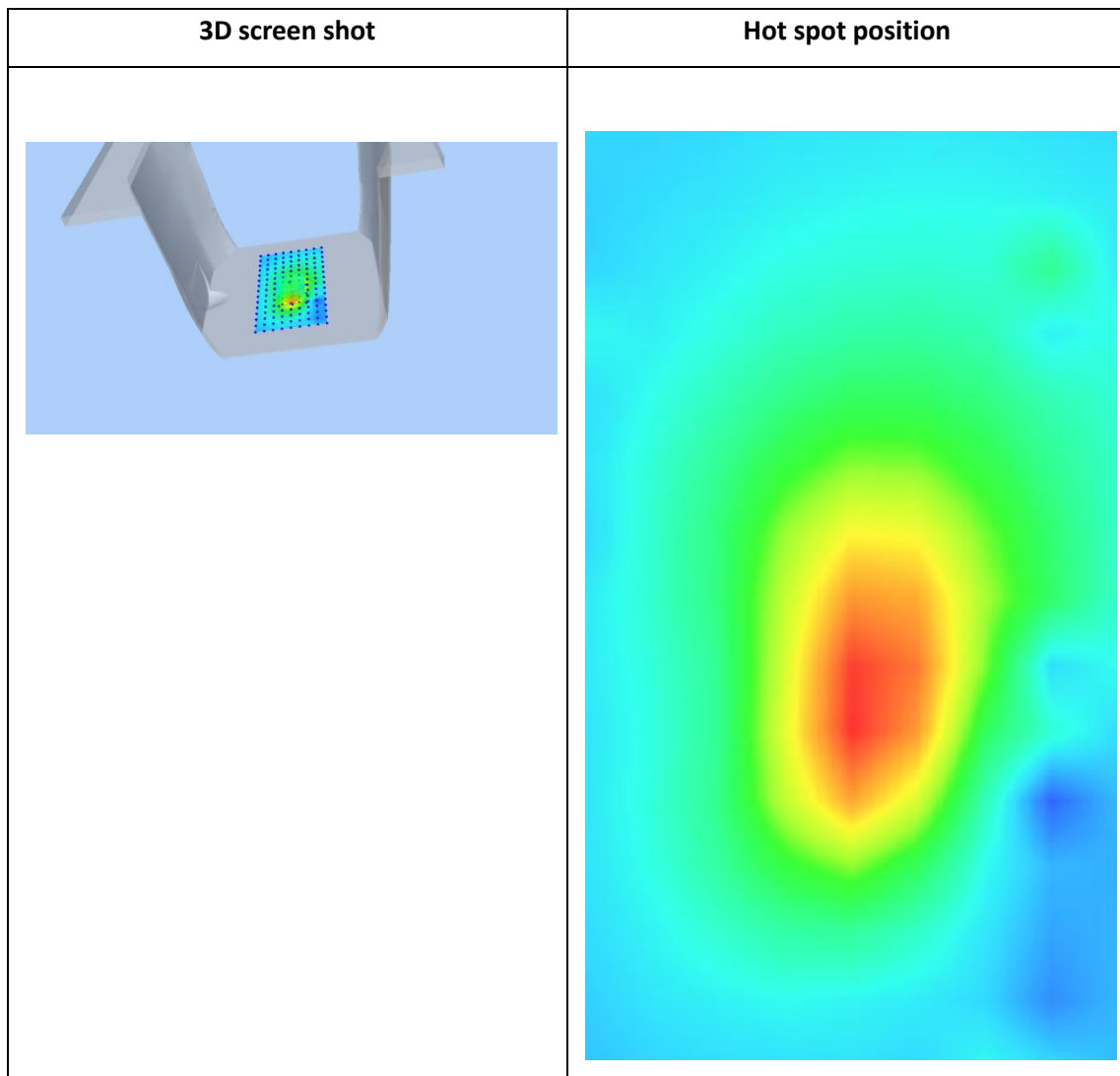
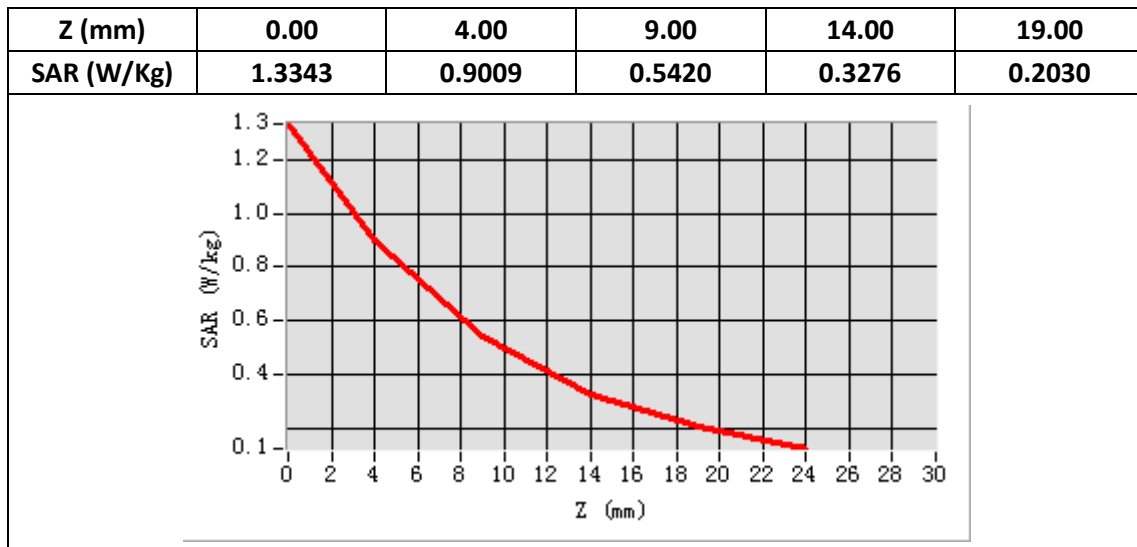
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.11
Relative permittivity (imaginary part)	14.31
Conductivity (S/m)	1.51
Variation (%)	-2.02
ConvF:	2.39



Maximum location: X=2.00, Y=-18.00

SAR Peak: 1.34W/kg

SAR 10g (W/Kg)	0.447156
SAR 1g (W/Kg)	0.830981



Plot 14: LTE Band4, 10MHz, Left Cheek, Middle

Type: Phone measurement

Date of measurement: 06/21/2019

Measurement duration: 22 minutes 09 econds

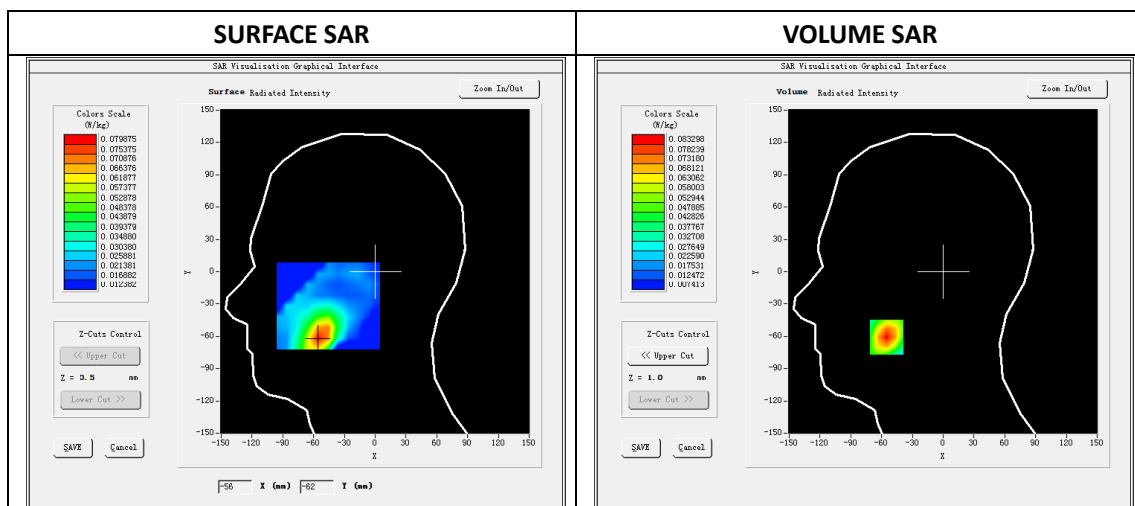
Mobile Phone IMEI number: --

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

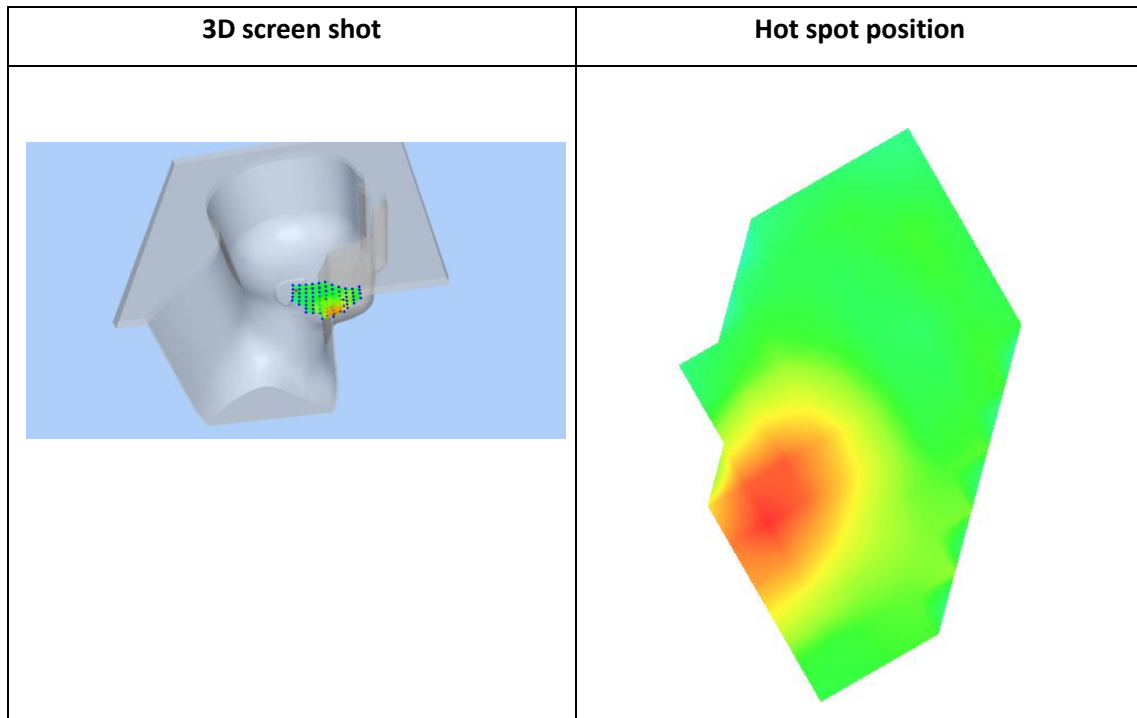
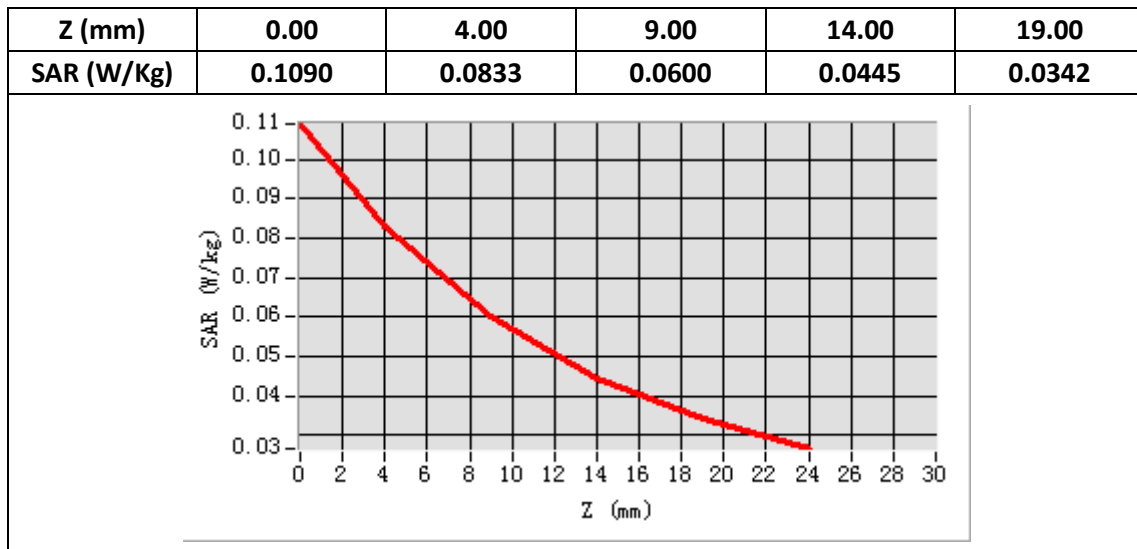
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.5
Relative permittivity (real part)	40.41
Relative permittivity (imaginary part)	14.40
Conductivity (S/m)	1.44
Variation (%)	-3.20
ConvF:	2.14



Maximum location: X=-55.00, Y=-61.00

SAR Peak: 0.11 W/kg

SAR 10g (W/Kg)	0.051815
SAR 1g (W/Kg)	0.079868



Plot 15: LTE Band4, 10MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 06/21/2019

Measurement duration: 22 minutes 11 seconds

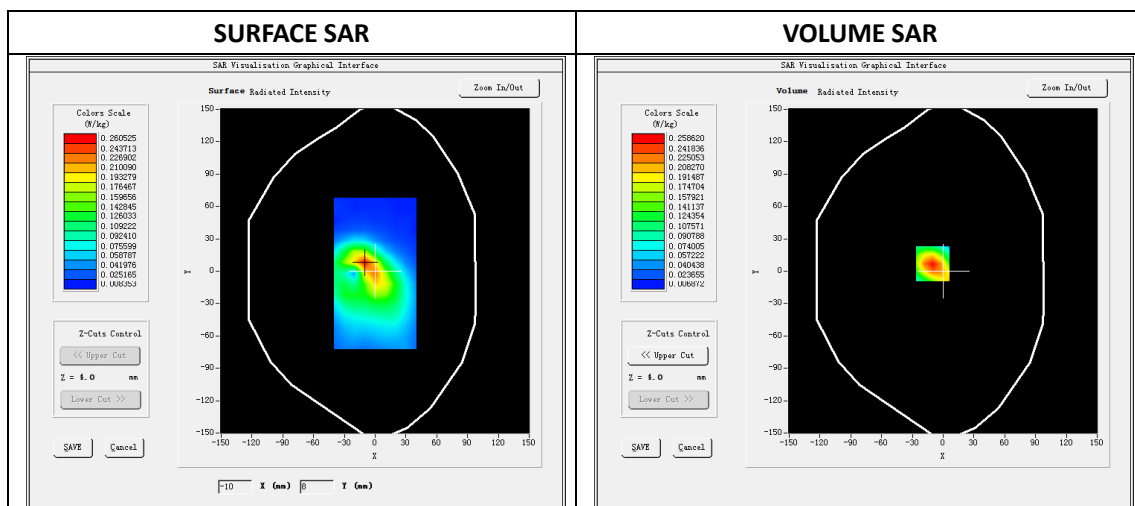
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

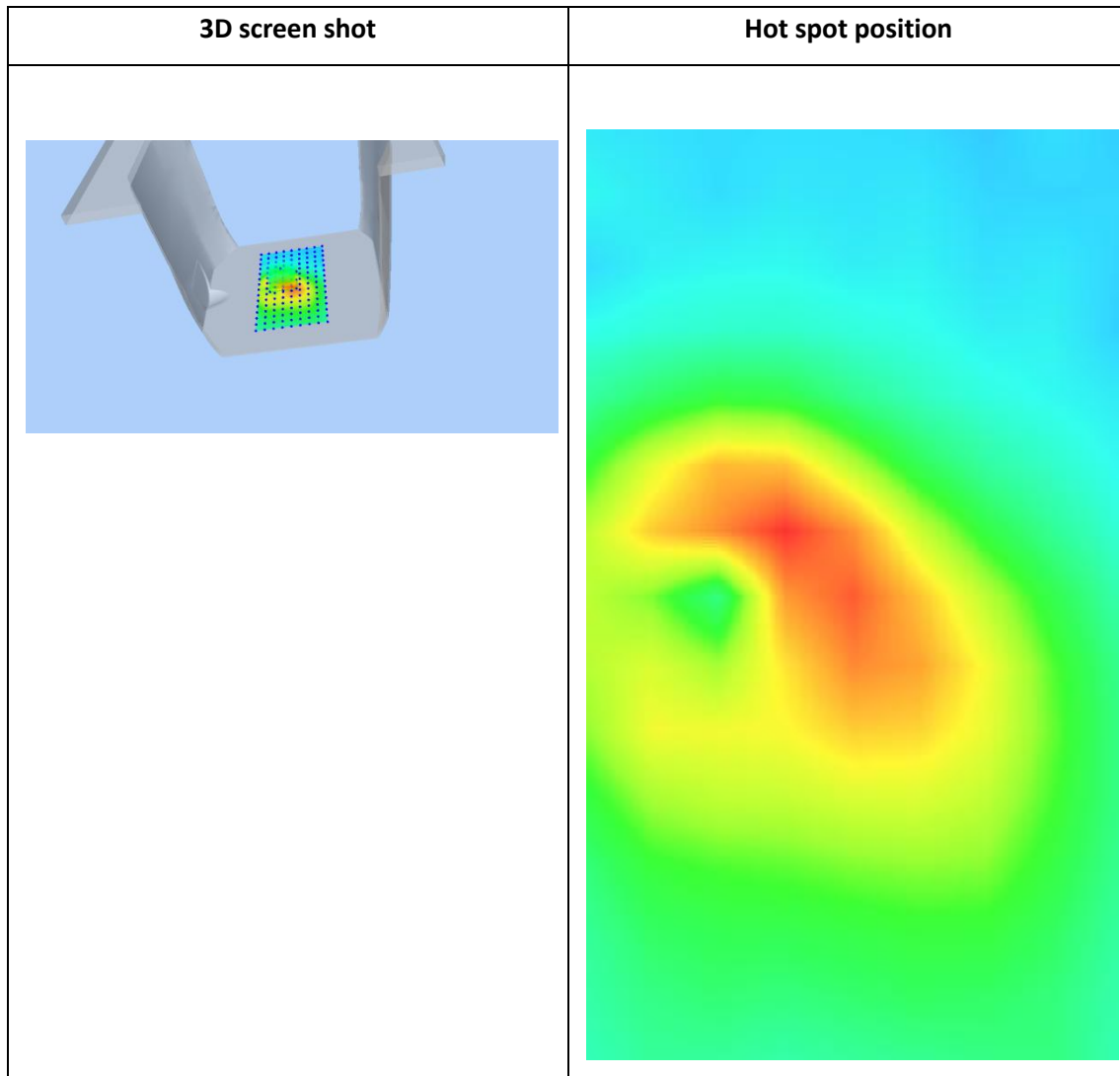
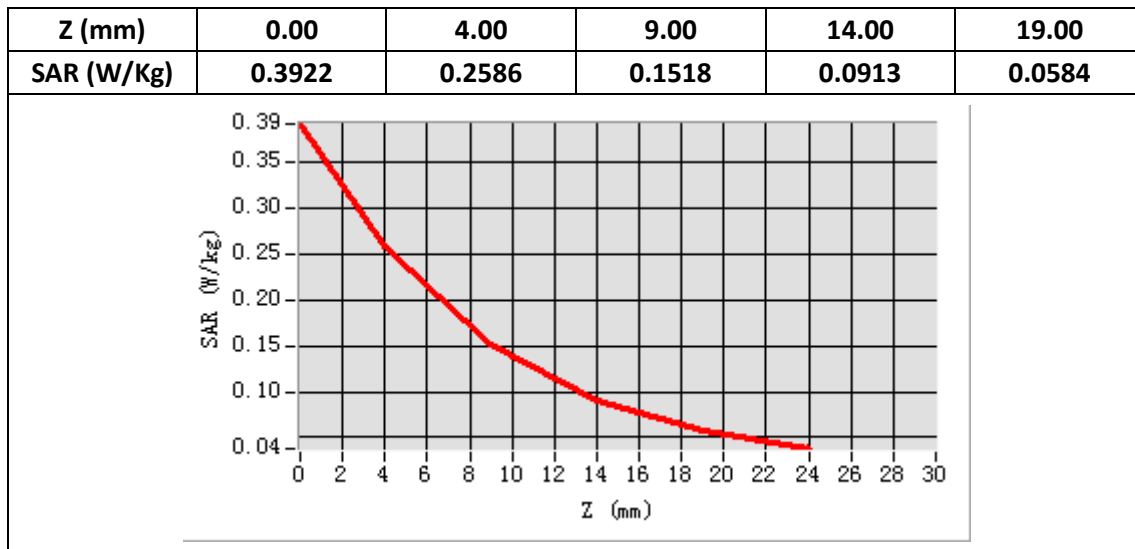
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.5
Relative permittivity (real part)	53.36
Relative permittivity (imaginary part)	15.20
Conductivity (S/m)	1.52
Variation (%)	-1.11
ConvF:	2.22



Maximum location: X=-10.00, Y=7.00

SAR Peak: 0.39W/kg

SAR 10g (W/Kg)	0.134361
SAR 1g (W/Kg)	0.242234



Plot 16: LTE Band5, 10MHz,Right Cheek, Middle

Type: Phone measurement

Date of measurement: 06/20/2019

Measurement duration: 22 minutes 10 econds

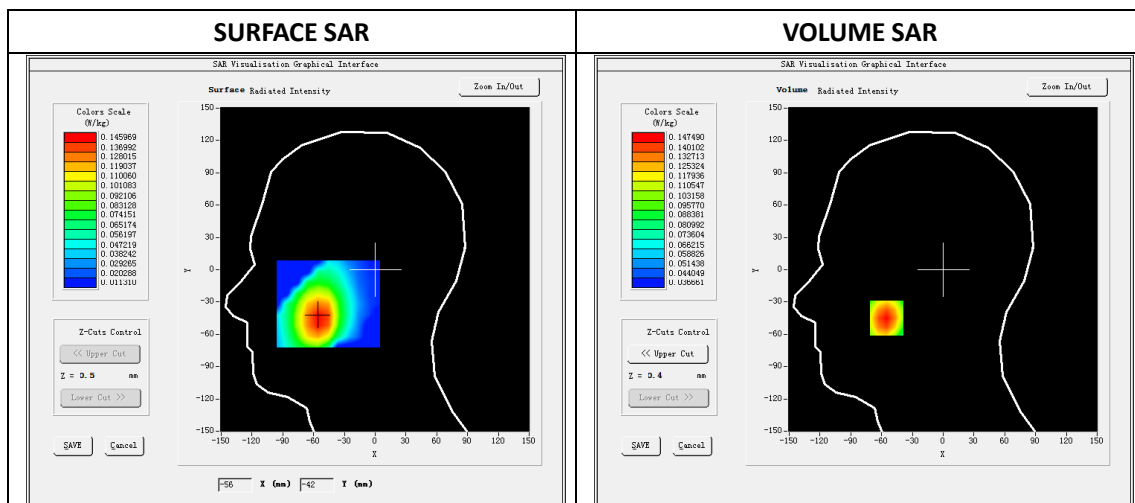
Mobile Phone IMEI number: --

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

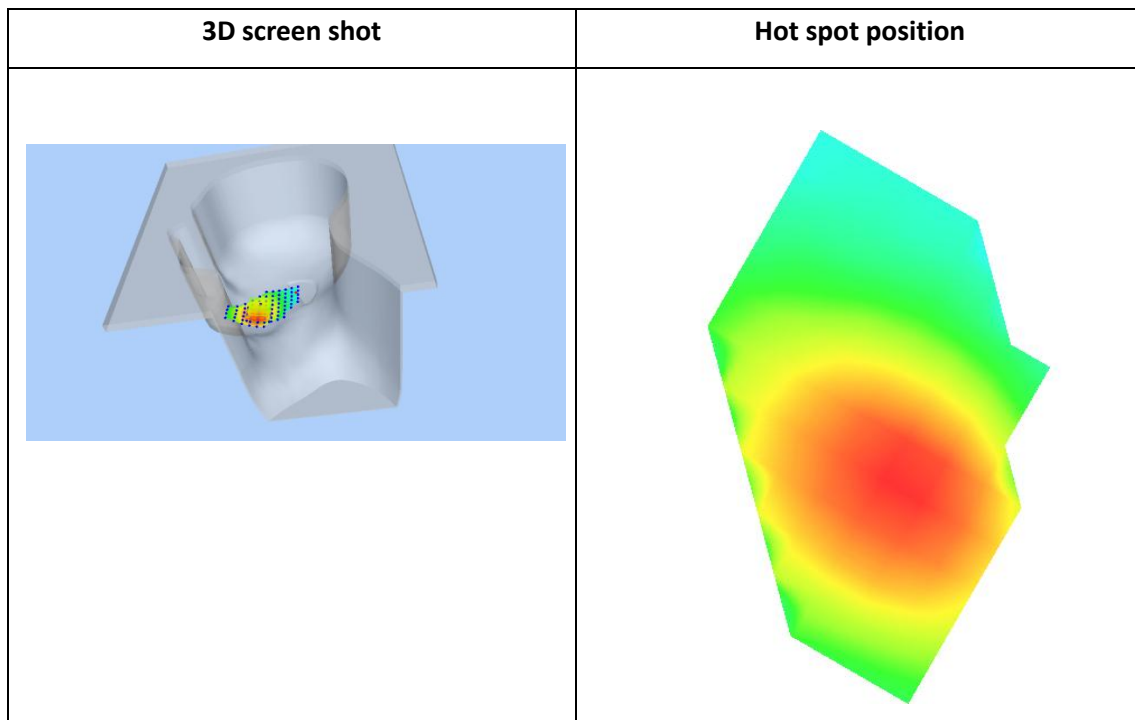
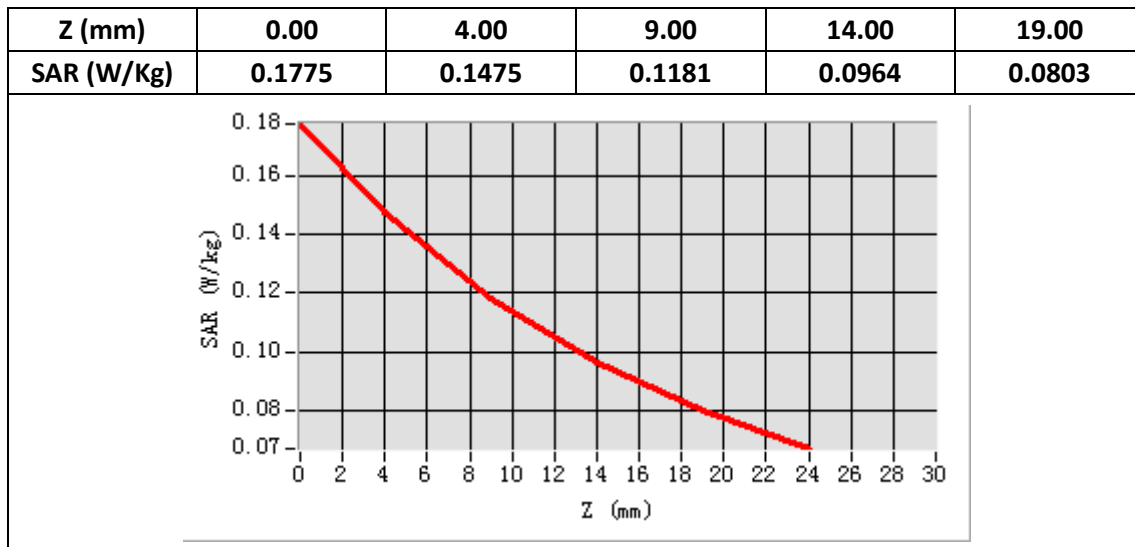
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.5
Relative permittivity (real part)	41.48
Relative permittivity (imaginary part)	19.62
Conductivity (S/m)	0.91
Variation (%)	2.37
ConvF:	1.92



Maximum location: X=-55.00, Y=-45.00

SAR Peak: 0.18 W/kg

SAR 10g (W/Kg)	0.108414
SAR 1g (W/Kg)	0.144011



Plot 17: LTE Band5, 10MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 06/20/2019

Measurement duration: 22 minutes 17 seconds

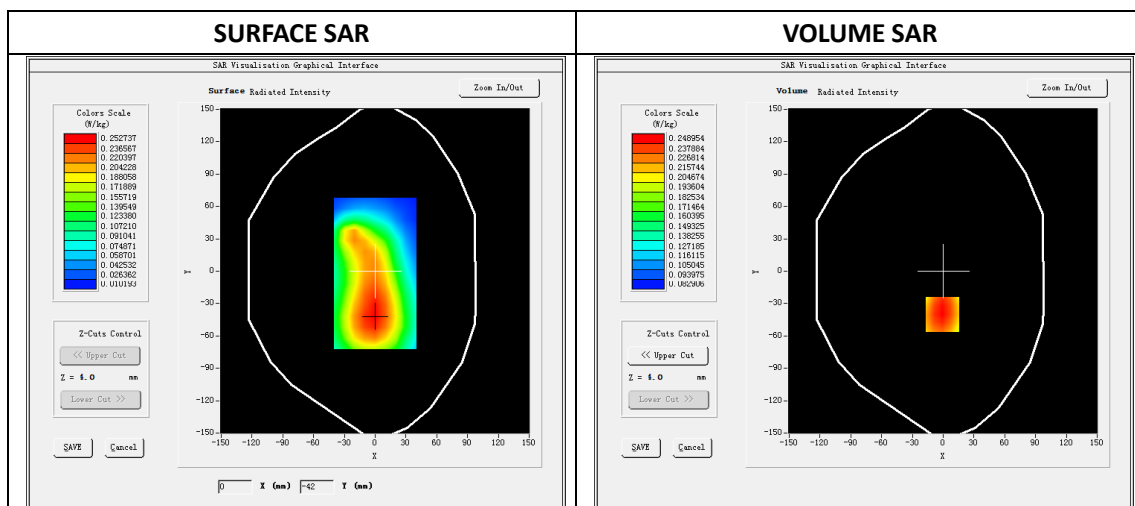
Mobile Phone IMEI number: --

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

B. SAR Measurement Results

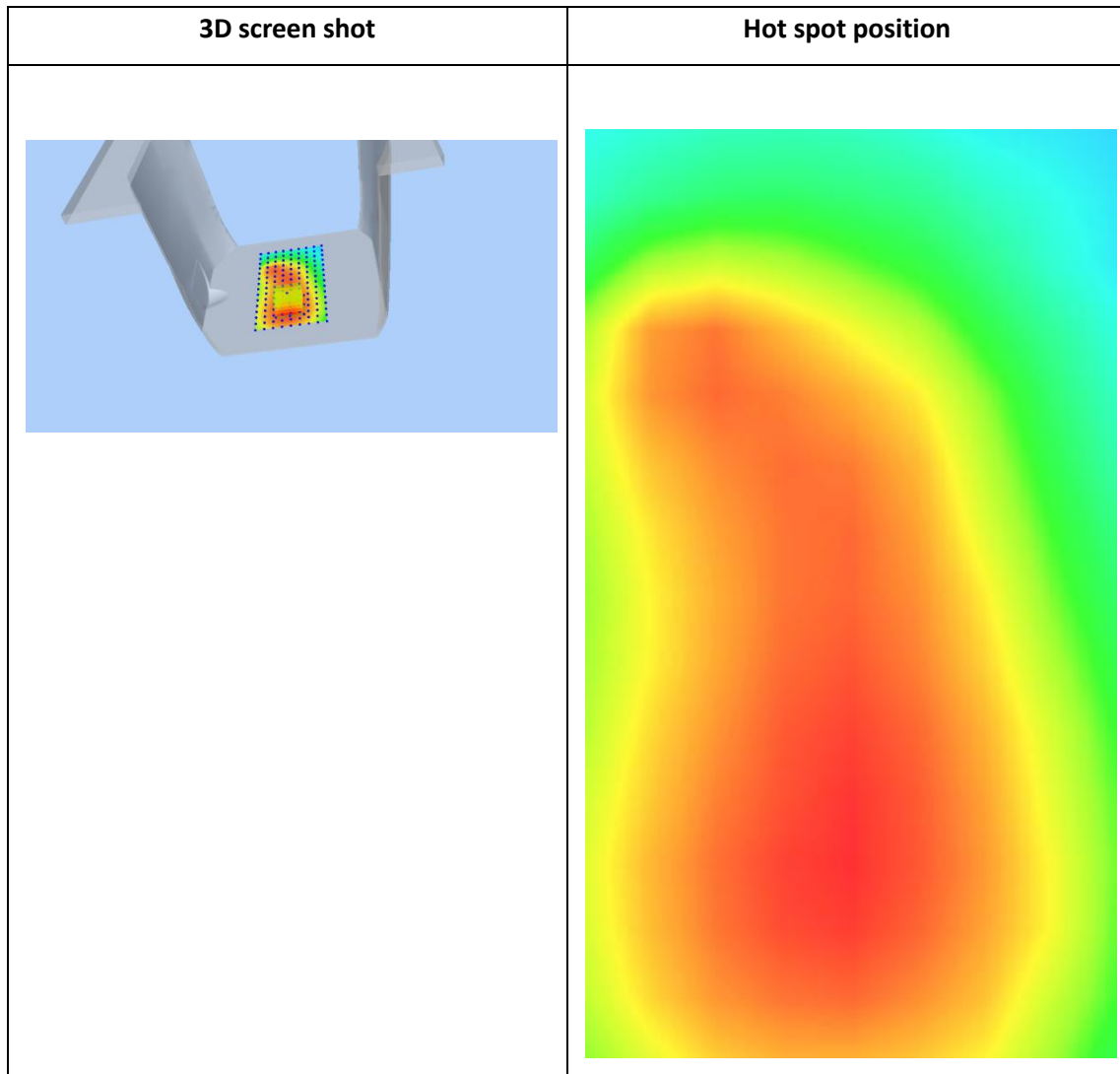
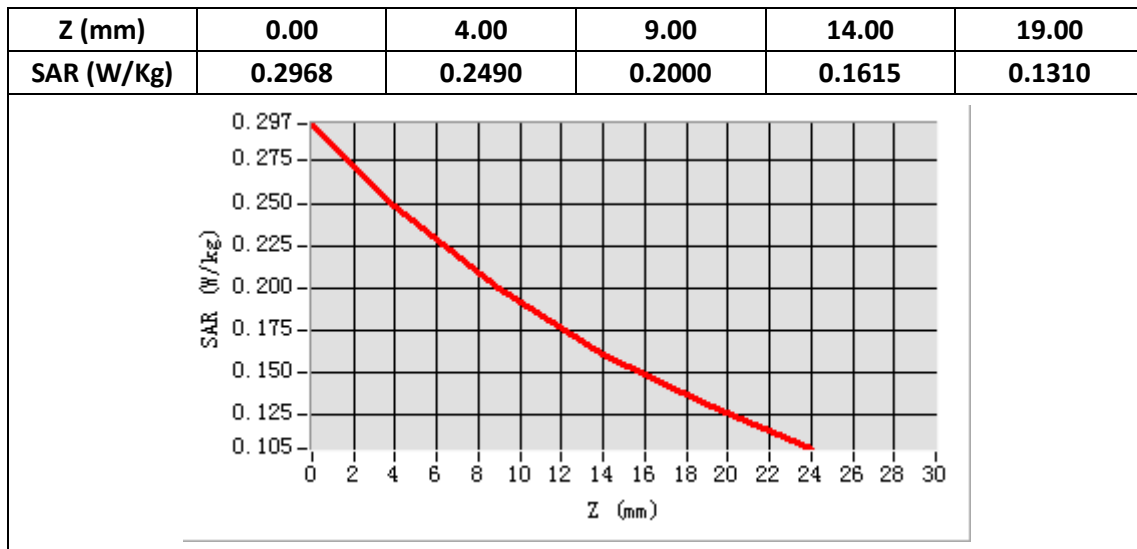
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.5
Relative permittivity (real part)	55.45
Relative permittivity (imaginary part)	20.69
Conductivity (S/m)	0.96
Variation (%)	-0.68
ConvF:	1.99



Maximum location: X=-1.00, Y=-40.00

SAR Peak: 0.30W/kg

SAR 10g (W/Kg)	0.189524
SAR 1g (W/Kg)	0.245990



Plot 18: LTE Band7, 20MHz,Left Cheek, Middle

Type: Phone measurement

Date of measurement: 06/29/2019

Measurement duration: 22 minutes 15 seconds

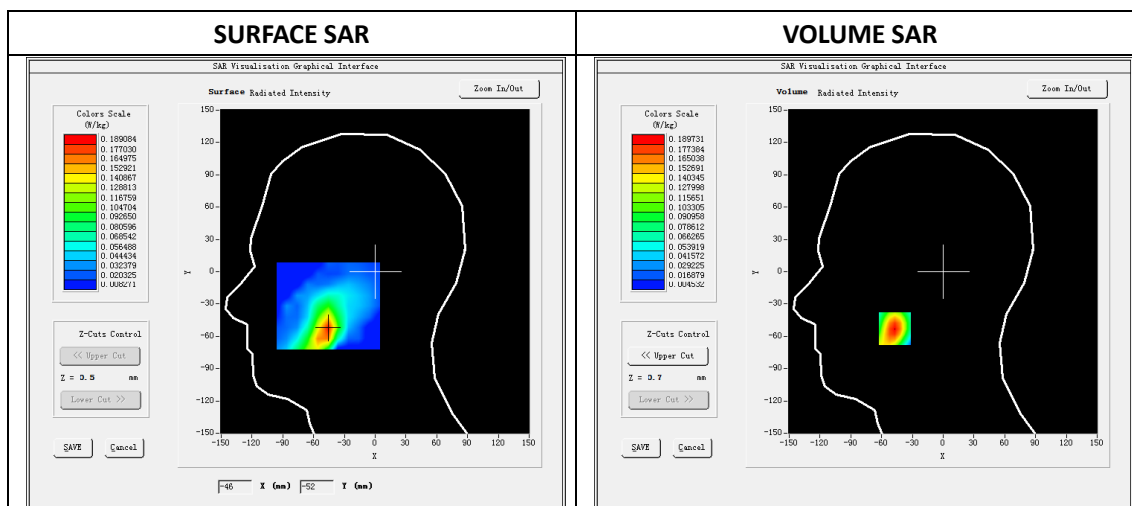
Mobile Phone IMEI number: --

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)	39.34
Relative permittivity (imaginary part)	13.36
Conductivity (S/m)	1.93
Variation (%)	-3.48
ConvF:	2.35

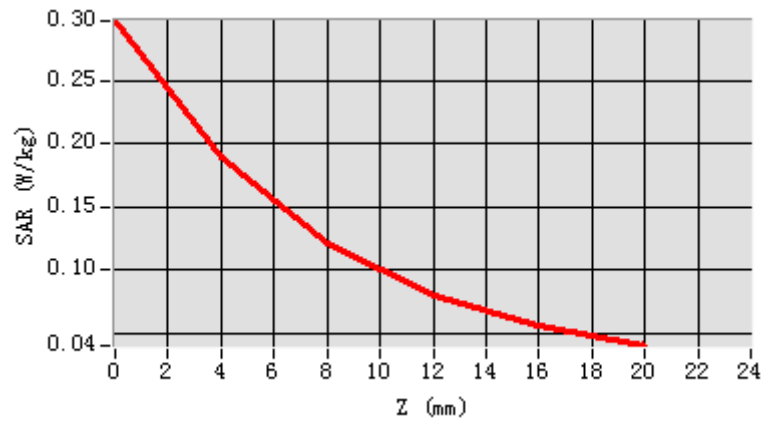


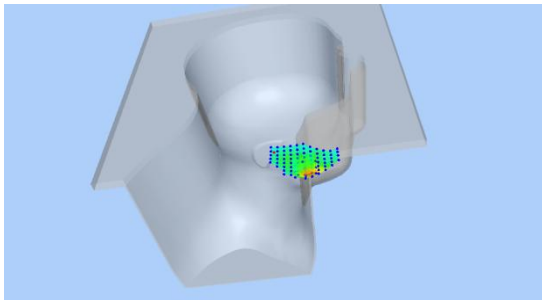
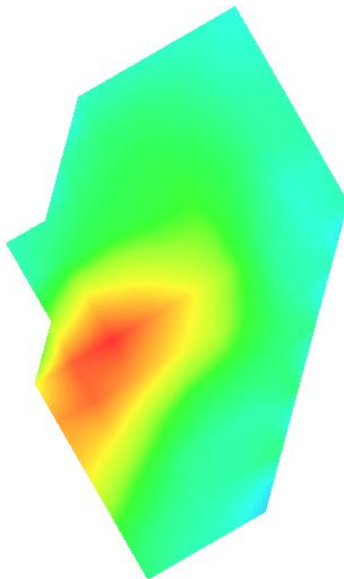
Maximum location: X=-47.00 Y=-53.00

SAR Peak: 0.30W/kg

SAR 10g (W/Kg)	0.095840
SAR 1g (W/Kg)	0.173948

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.2979	0.1897	0.1208	0.0796	0.0557



3D screen shot	Hot spot position
	

Plot 19: LTE Band7, 20MHz, Face, Middle,10mm

Type: Phone measurement

Date of measurement: 06/29/2019

Measurement duration: 22 minutes 12 seconds

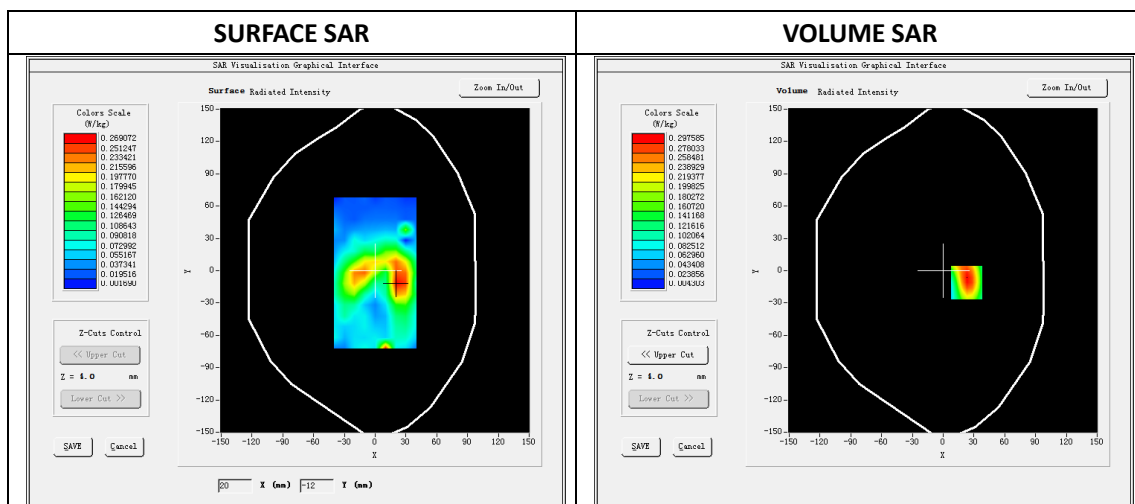
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

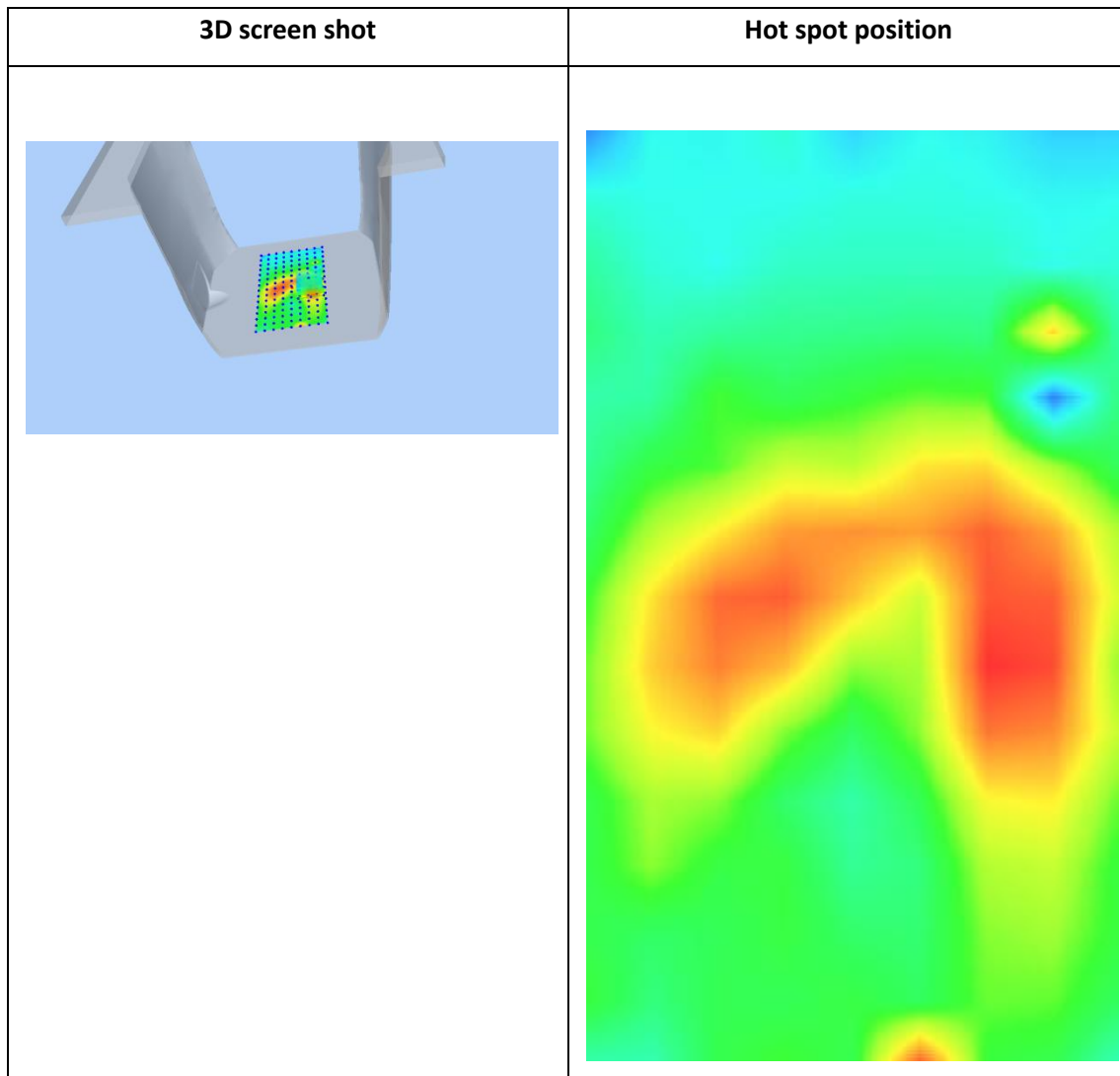
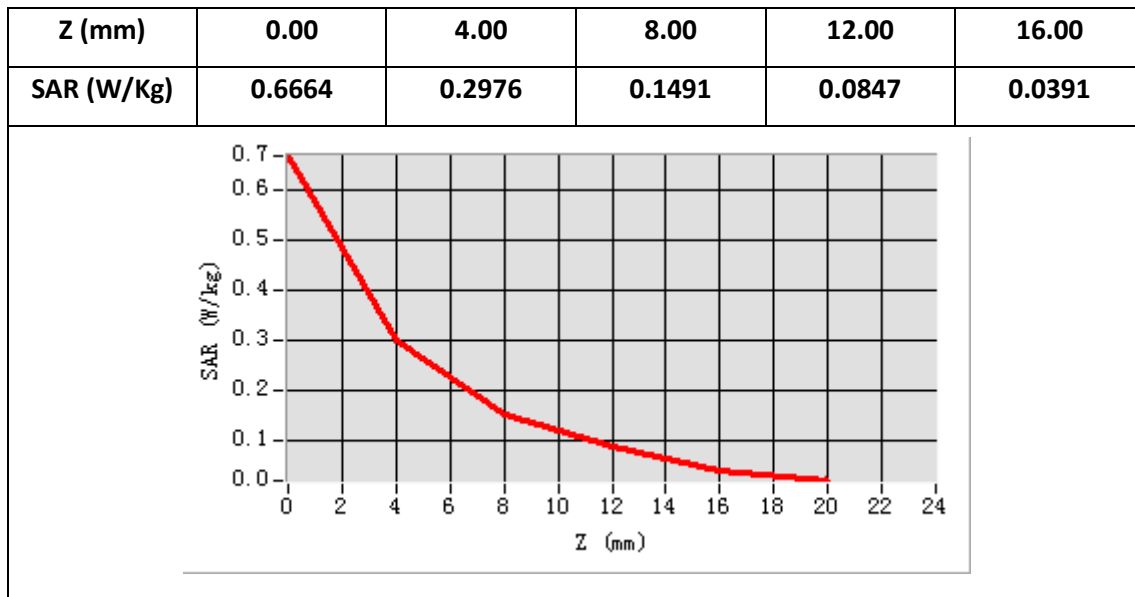
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2535
Relative permittivity (real part)	52.41
Relative permittivity (imaginary part)	14.95
Conductivity (S/m)	2.16
Variation (%)	-1.15
ConvF:	2.43



Maximum location: X=23.00 Y=-11.00

SAR Peak: 0.52 W/kg

SAR 10g (W/Kg)	0.133087
SAR 1g (W/Kg)	0.276323



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

Type: Phone measurement

Date of measurement: 06/29/2019

Measurement duration: 22 minutes 14 seconds

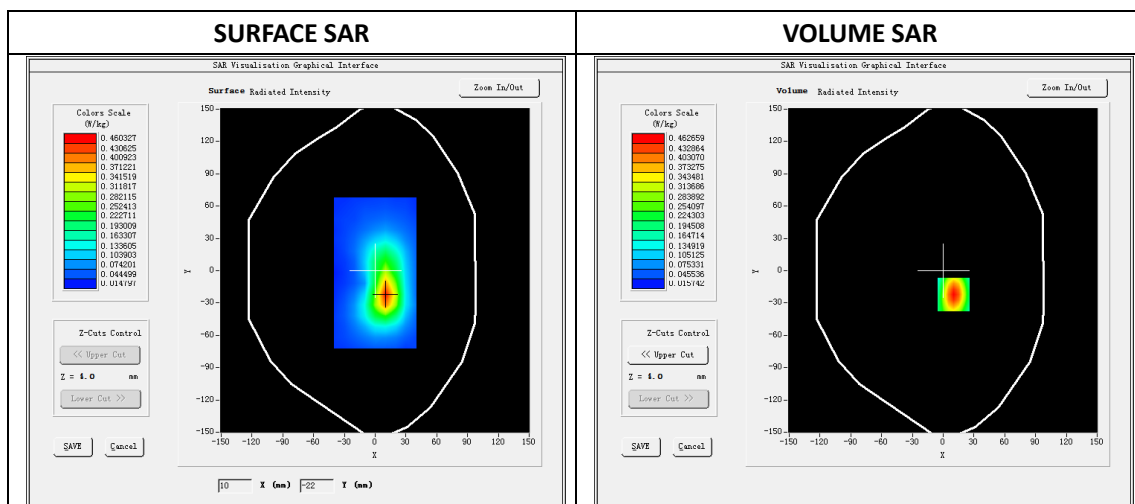
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2535
Relative permittivity (real part)	52.41
Relative permittivity (imaginary part)	14.95
Conductivity (S/m)	2.16
Variation (%)	-3.49
ConvF:	2.43

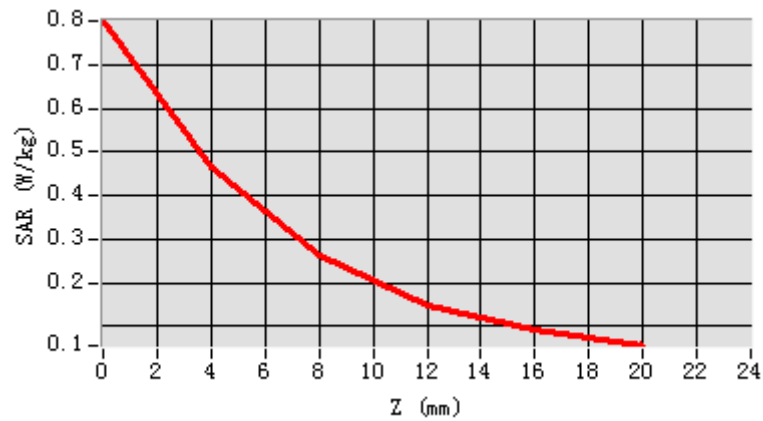


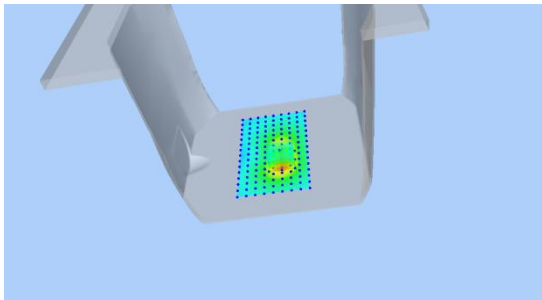
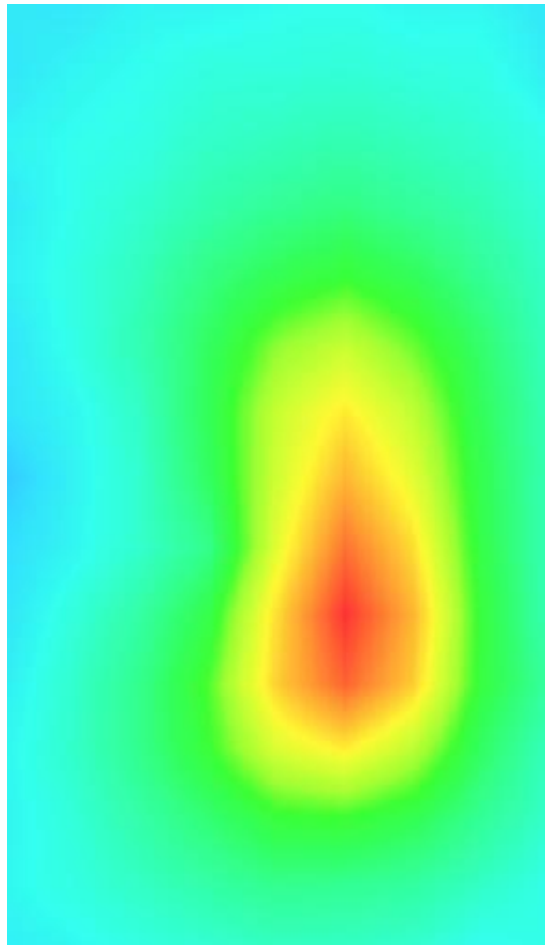
Maximum location: X=10.00 Y=-22.00

SAR Peak: 0.80 W/kg

SAR 10g (W/Kg)	0.213516
SAR 1g (W/Kg)	0.425846

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.8004	0.4627	0.2610	0.1496	0.0909



3D screen shot	Hot spot position
	

Plot 21: Wi-Fi 802.11b Right Tilt, Middle

Type: Phone measurement

Date of measurement: 06/29/2019

Measurement duration: 22 minutes 23 seconds

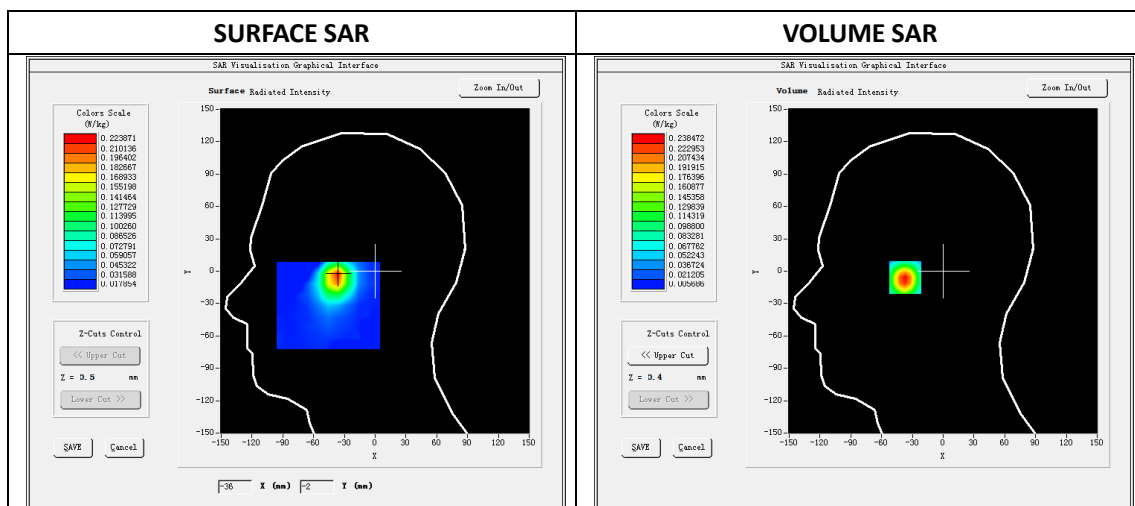
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

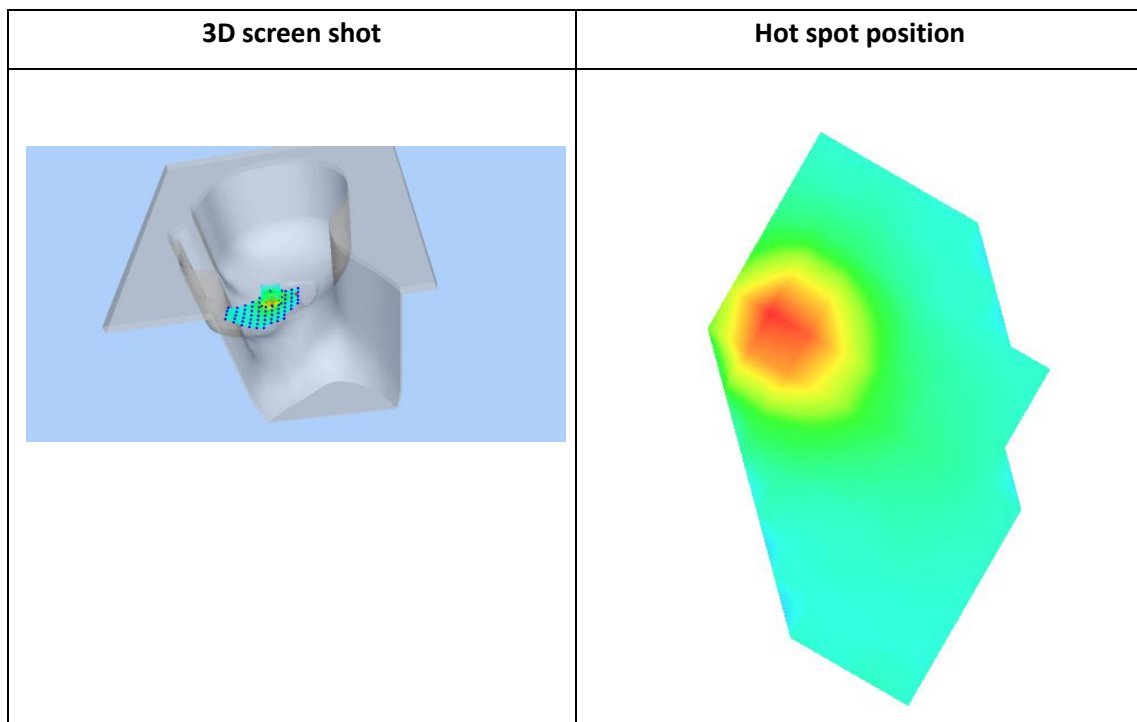
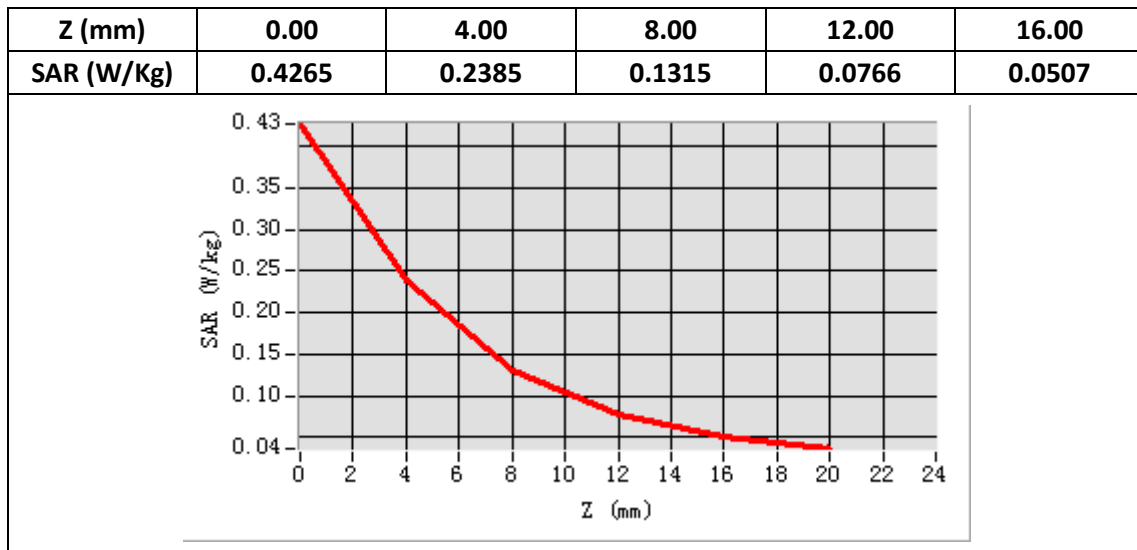
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2437
Relative permittivity (real part)	39.59
Relative permittivity (imaginary part)	13.37
Conductivity (S/m)	1.82
Variation (%)	-3.08
ConvF:	2.37



Maximum location: X=-37.00 Y=-5.00

SAR Peak: 0.43 W/kg

SAR 10g (W/Kg)	0.104579
SAR 1g (W/Kg)	0.216994



Plot 22: Wi-Fi 802.11b, Back ,Middle, 10mm

Type: Phone measurement

Date of measurement: 06/29/2019

Measurement duration: 22 minutes 19 seconds

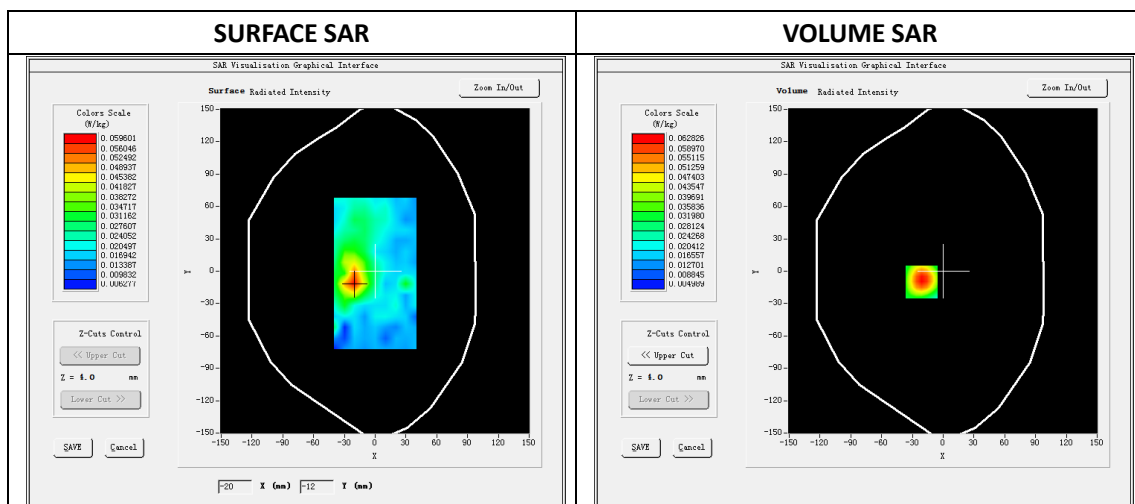
Mobile Phone IMEI number: --

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

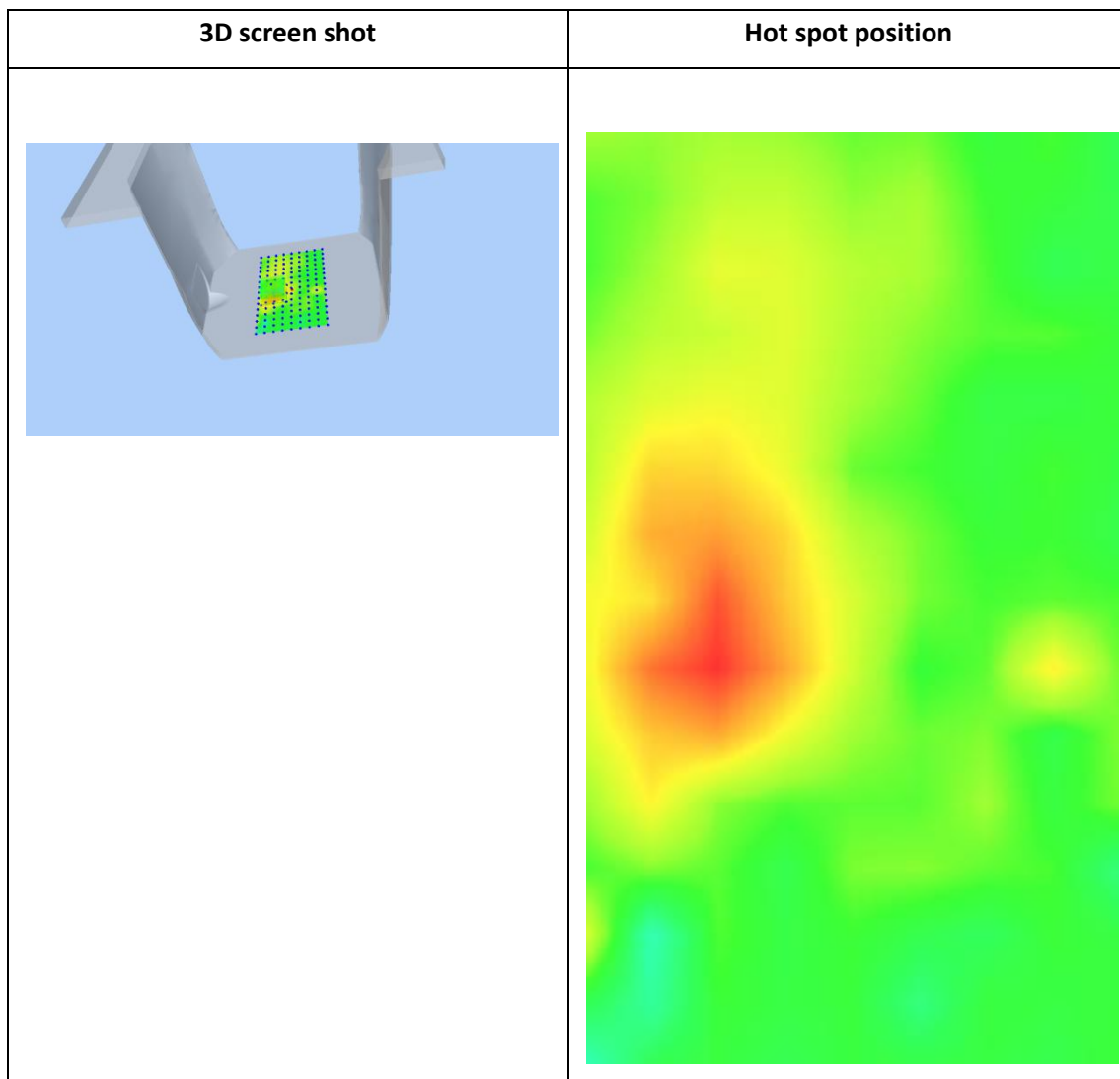
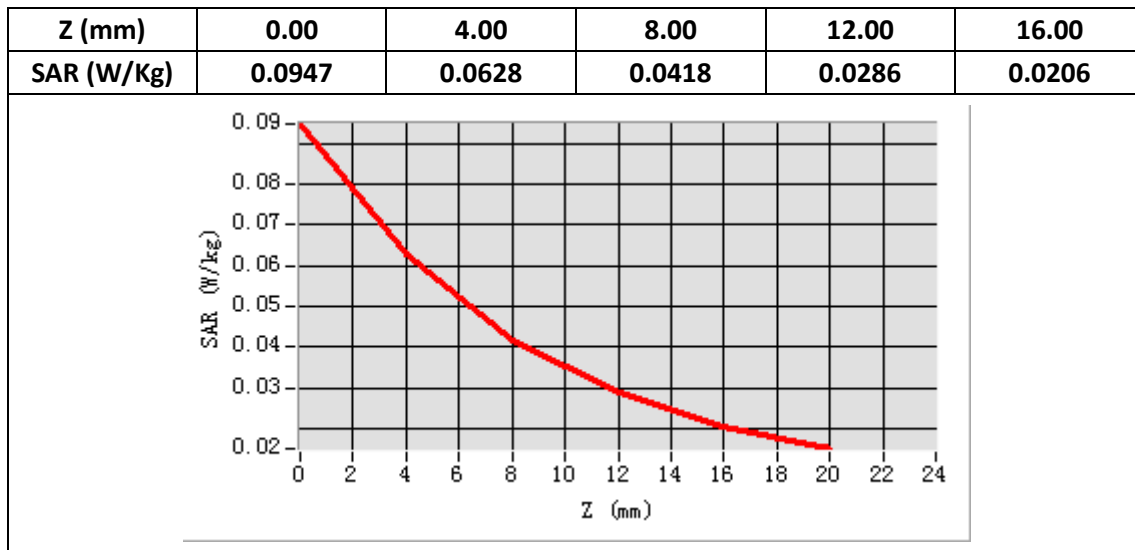
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2437
Relative permittivity (real part)	52.72
Relative permittivity (imaginary part)	14.47
Conductivity (S/m)	1.97
Variation (%)	-4.84
ConvF:	2.46



Maximum location: X=-21.00 Y=-10.00

SAR Peak: 0.10 W/kg

SAR 10g (W/Kg)	0.034243
SAR 1g (W/Kg)	0.059396



Plot 23: Wi-Fi 802.11b, Edge D ,Middle, 10mm

Type: Phone measurement

Date of measurement: 06/29/2019

Measurement duration: 22 minutes 18 seconds

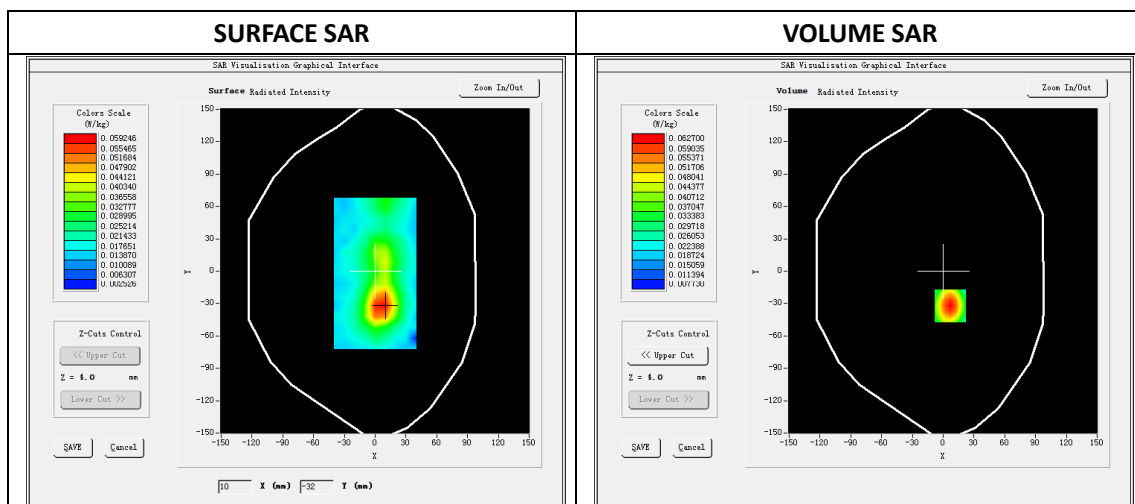
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

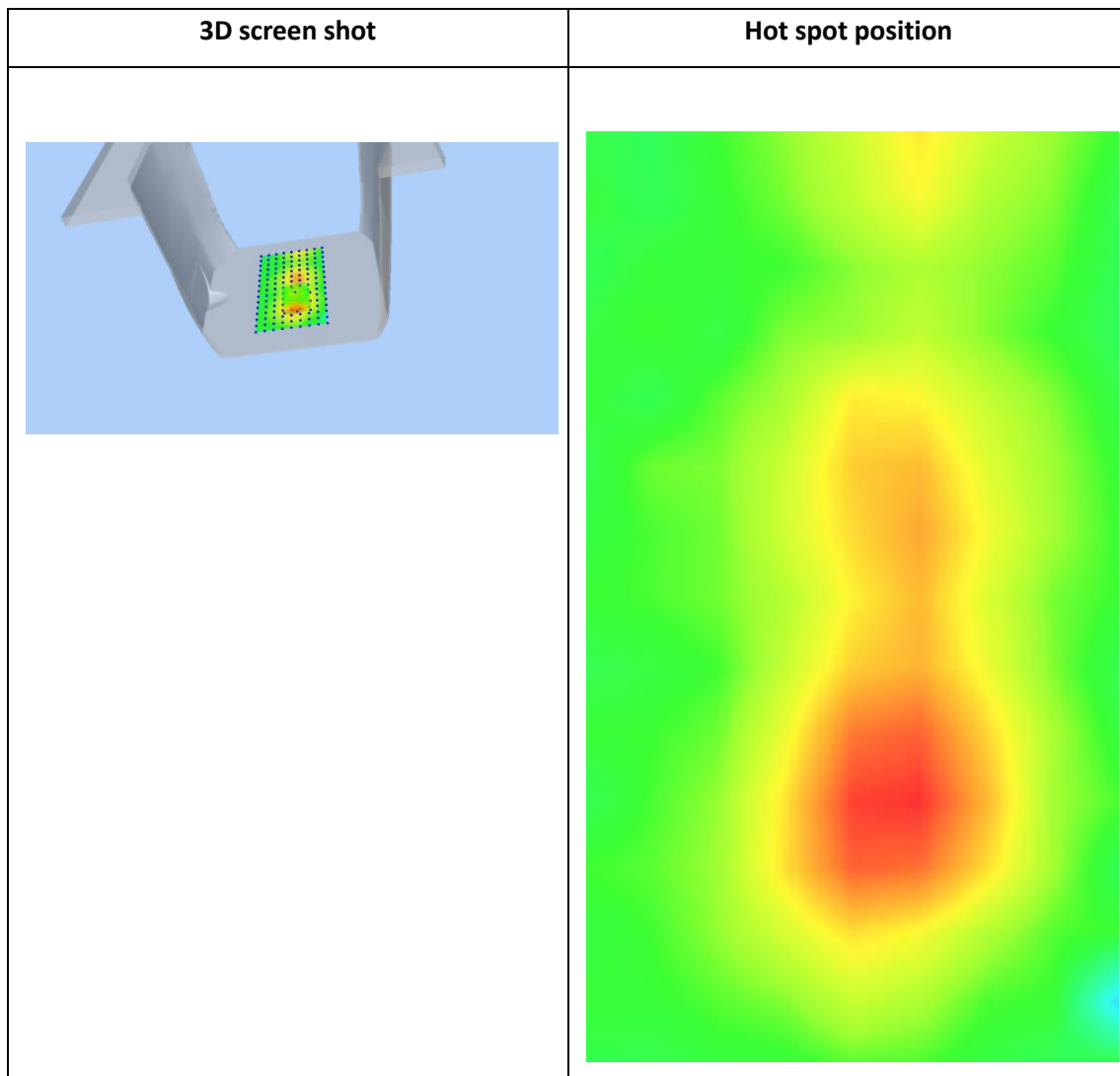
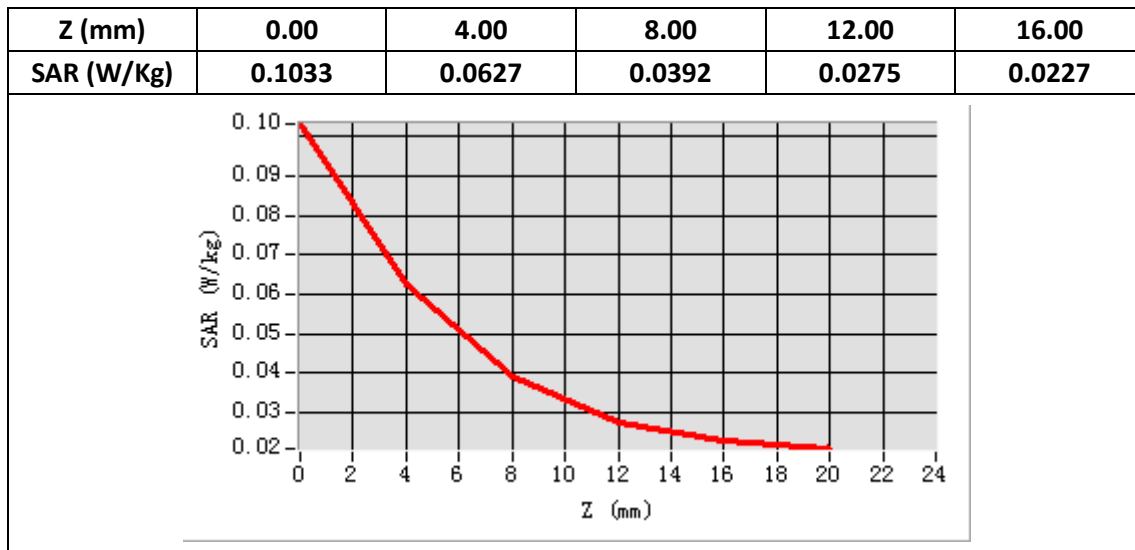
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2437
Relative permittivity (real part)	52.72
Relative permittivity (imaginary part)	14.47
Conductivity (S/m)	1.97
Variation (%)	-1.65
ConvF:	2.46



Maximum location: X=7.00 Y=-32.00

SAR Peak: 0.10 W/kg

SAR 10g (W/Kg)	0.035960
SAR 1g (W/Kg)	0.059406



Plot 24: WIFI 5G 802.11a(20MHZ), Right Cheek,Middle

Type: Phone measurement

Date of measurement: 07/03/2019

Measurement duration: 22 minutes 39 seconds

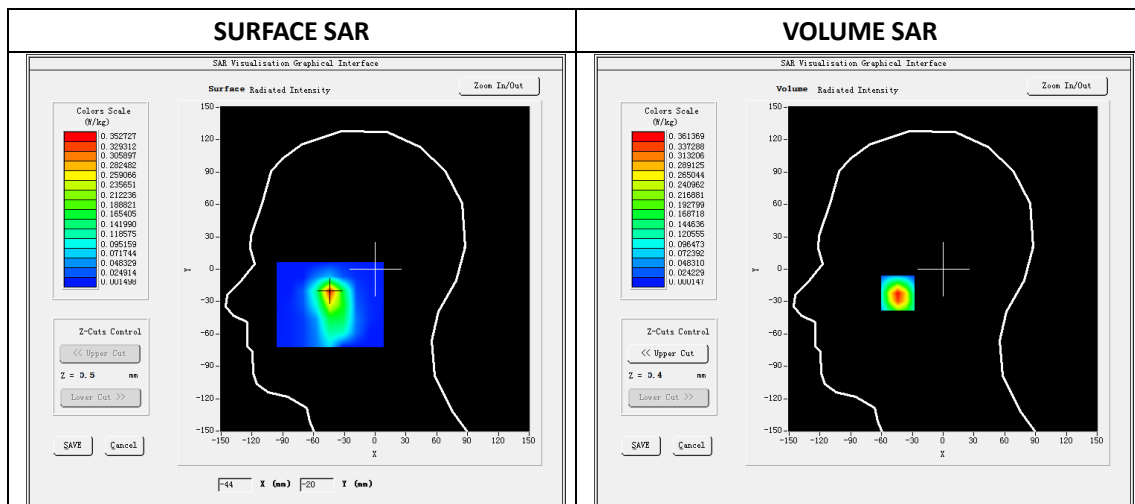
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=4mm,dy=4mm
ZoomScan	7x7x12,dx=4m, dy=4mm, dz=2mm
Phantom	Validation plane
Device Position	Right Cheek
Band	WIFI 5G
Channels	36
Signal	OFDM (Duty cycle: 1:1)

B. SAR Measurement Results

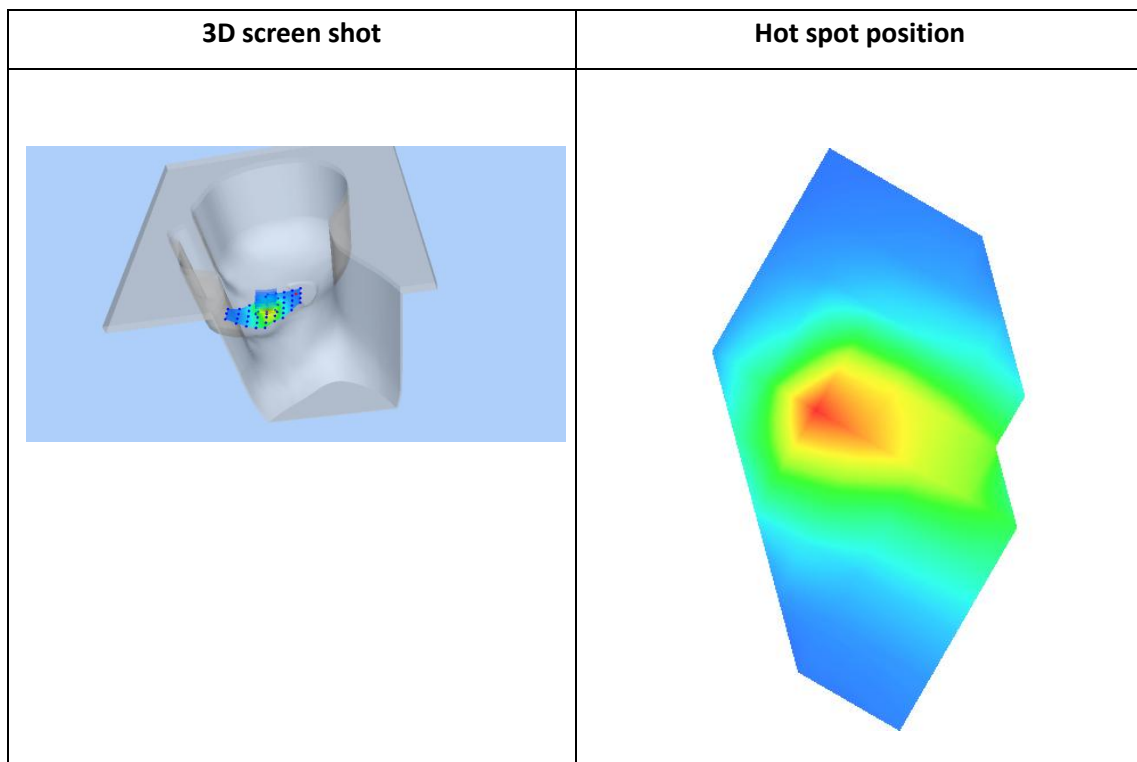
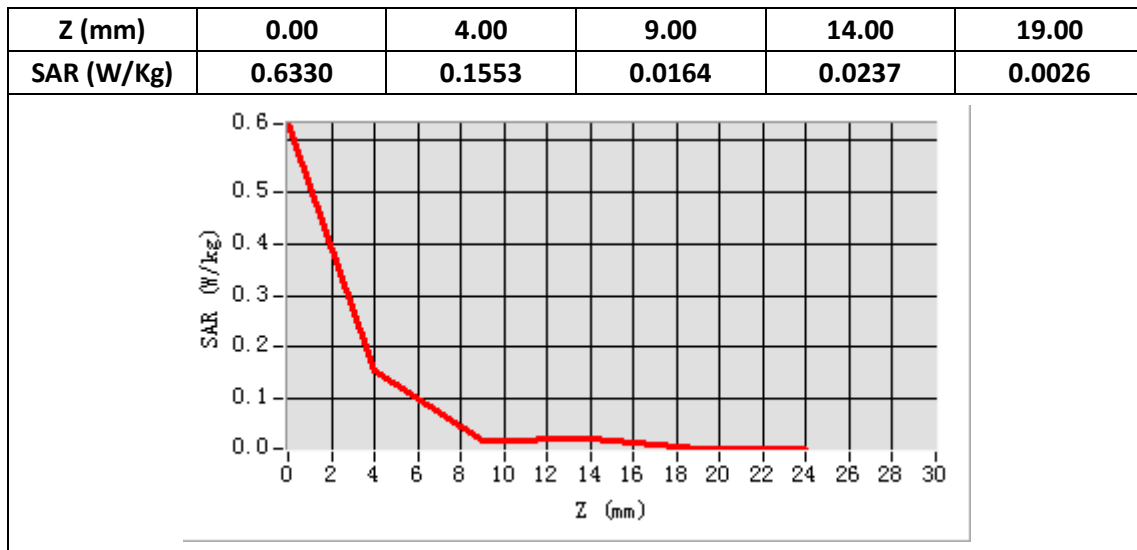
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5180
Relative permittivity (real part)	36.33
Relative permittivity (imaginary part)	16.86
Conductivity (S/m)	4.87
Variation (%)	-0.69
ConvF:	2.15



Maximum location: X=3.00 Y=-15.00

SAR Peak: 0.30 W/kg

SAR 10g (W/Kg)	0.057032
SAR 1g (W/Kg)	0.140453



Plot 25: WIFI 5G 802.11a(20MHz), Back , Middle,10mm

Type: Phone measurement

Date of measurement: 07/03/2019

Measurement duration: 22 minutes 37 seconds

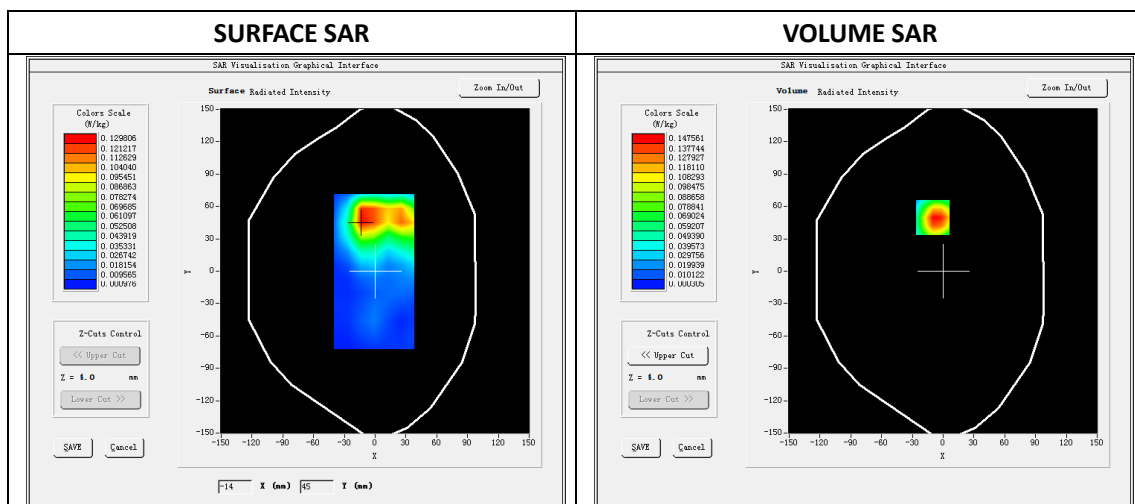
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=4mm,dy=4mm
ZoomScan	7x7x12,dx=4m, dy=4mm, dz=2mm
Phantom	Validation plane
Device Position	Back
Band	WIFI 5G
Channels	36
Signal	OFDM (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5180
Relative permittivity (real part)	49.26
Relative permittivity (imaginary part)	18.42
Conductivity (S/m)	5.32
Variation (%)	0.34
ConvF:	2.21



Maximum location: X=-10.00 Y=50.00

SAR Peak: 0.33 W/kg

SAR 10g (W/Kg)	0.064520
SAR 1g (W/Kg)	0.147377

