

Appendix B: SAR Measurement results Plots

Plot	Frequency/Mode	Testing Position and Channel	Test Date
1	GSM850	Right Cheek Middle	2019/10/22
2	GSM850/GPRS4Tx	Body Face, Middle ,10mm	2019/10/22
3	GSM1900	Right Cheek Middle	2019/10/25
4	GSM1900/GPRS4Tx	Body Face, Middle ,10mm	2019/10/25
5	WCDMA1900	Right Cheek Middle	2019/10/25
6	WCDMA1900	Body Face, Middle ,10mm	2019/10/25
7	WCDMA1900	Edge C, Middle ,10mm	2019/10/25
8	WCDMA1700	Right Cheek Middle	2019/10/24
9	WCDMA1700	Body Face, Middle ,10mm	2019/10/24
10	WCDMA1700	Edge C, Middle ,10mm	2019/10/24
11	WCDMA850	Right Cheek Middle	2019/10/22
12	WCDMA850	Body Back, Middle ,10mm	2019/10/22
13	LTE Band2	Right Cheek Middle	2019/10/25
14	LTE Band2	Body Face, Middle ,10mm	2019/10/25
15	LTE Band2	Edge C, Middle ,10mm	2019/10/25
16	LTE Band4	Right Cheek Middle	2019/10/24
17	LTE Band4	Body Face, Middle ,10mm	2019/10/24
18	LTE Band4	Edge C, Middle ,10mm	2019/10/24
19	LTE Band5	Left Cheek Middle	2019/10/22
20	LTE Band5	Body Face, Middle ,10mm	2019/10/22
21	LTE Band7	Right Cheek Middle	2019/10/28
22	LTE Band7	Body Face, Middle ,10mm	2019/10/28
23	LTE Band7	Edge C, Middle ,10mm	2019/10/28
24	LTE Band12	Right Cheek Middle	2019/10/21
25	LTE Band12	Body Face, Middle ,10mm	2019/10/21
26	LTE Band17	Left Cheek Middle	2019/10/21
27	LTE Band17	Body Back, Middle ,10mm	2019/10/21
28	LTE Band41	Right Cheek Middle	2019/10/28
29	LTE Band41	Body Face, Middle ,10mm	2019/10/28
30	LTE Band41	Edge C, Middle ,10mm	2019/10/28
31	WIFI 2.4G 802.11b	Left Cheek Middle	2019/10/26
32	WIFI 2.4G 802.11b	Body Back, Middle ,10mm	2019/10/26
33	WIFI 2.4G 802.11b	Edge A, Middle ,10mm	2019/10/26
34	WIFI 5G 802.11a	Left Cheek Middle	2019/10/29
35	WIFI 5G 802.11a	Body Back, Middle ,10mm	2019/10/29
36	CDMA BC0	Right Cheek Middle	2019/10/22
37	CDMA BC0	Body Back, Middle ,10mm	2019/10/22

Plot 1: GSM850, Right Cheek, Middle

Type: Phone measurement

Date of measurement: 10/22/2019

Measurement duration: 22 minutes 05 seconds

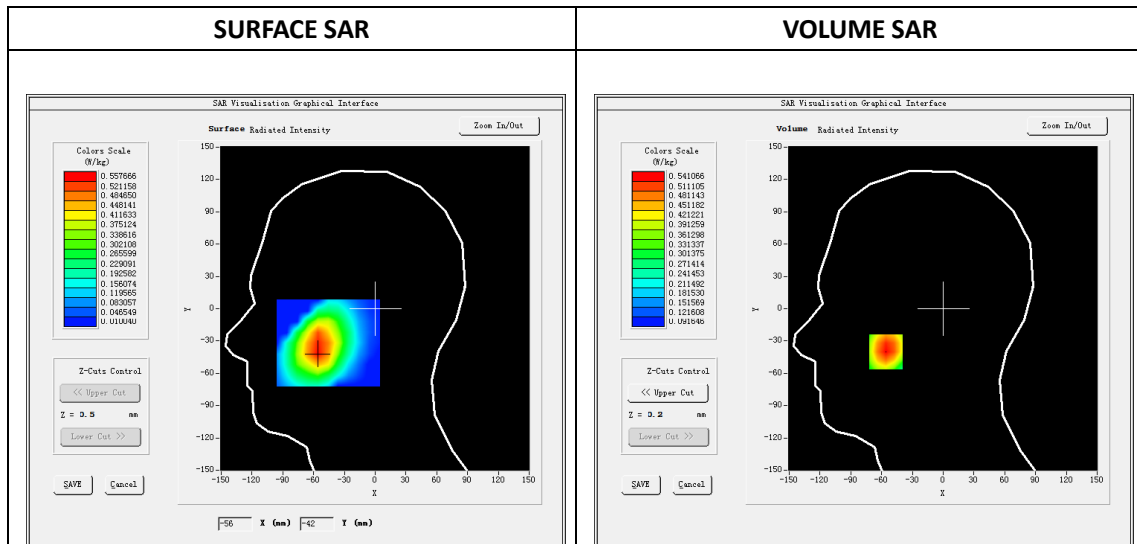
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

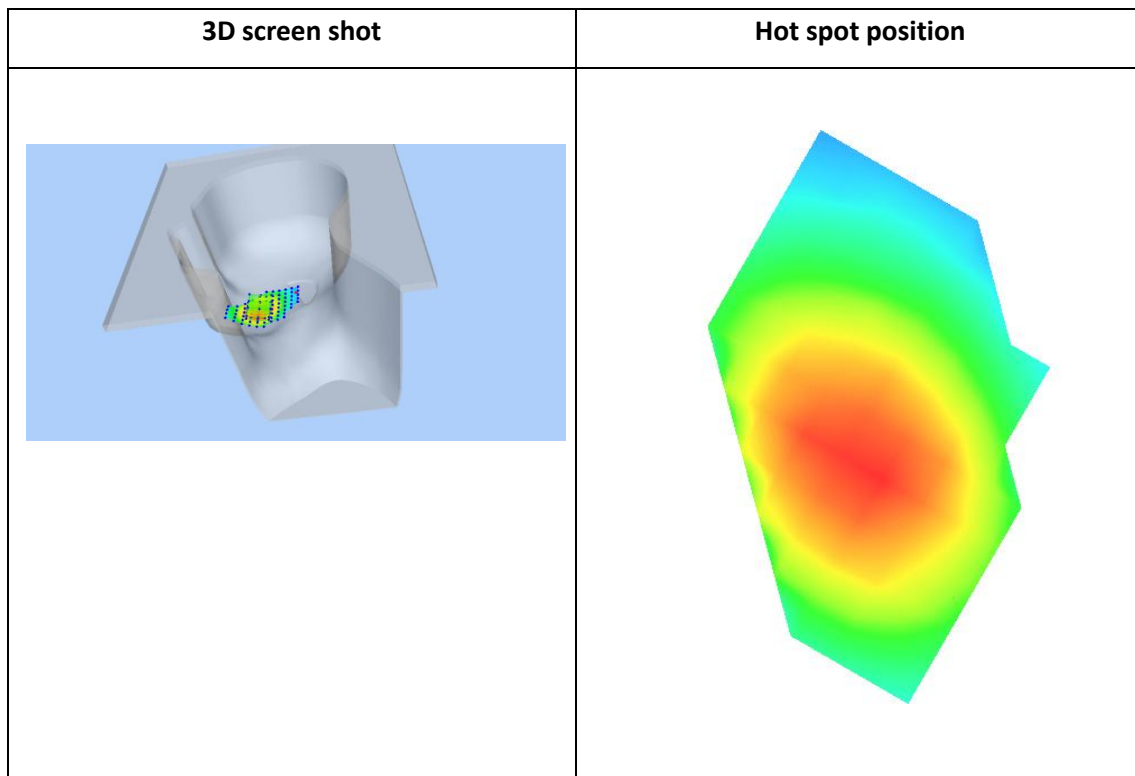
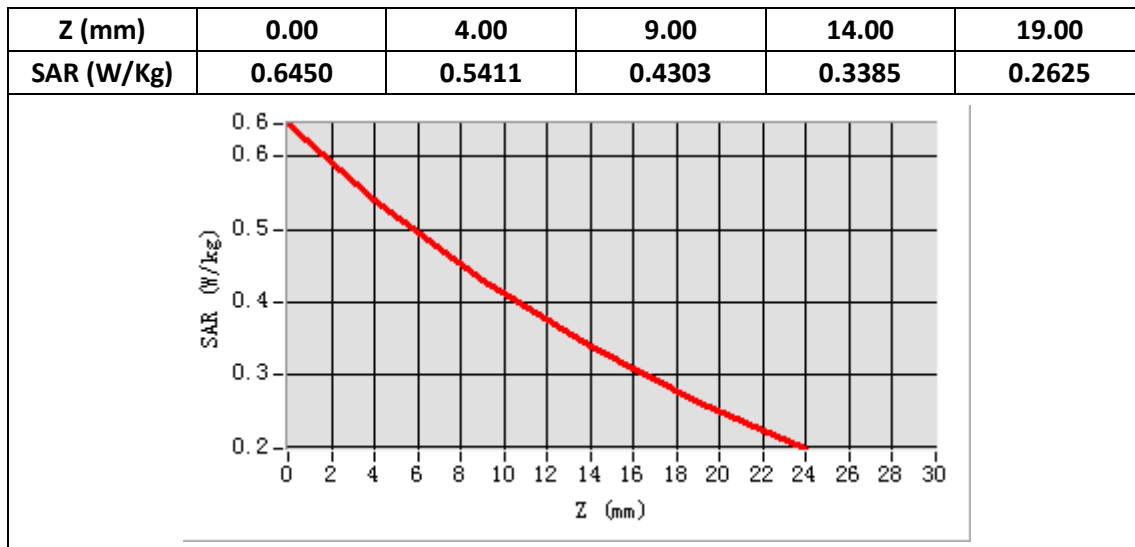
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.6
Relative permittivity (real part)	41.63
Relative permittivity (imaginary part)	20.69
Conductivity (S/m)	0.96
Variation (%)	-4.58
ConvF:	1.92



Maximum location: X=-56.00, Y=-40.00

SAR Peak: 0.65W/kg

SAR 10g (W/Kg)	0.383943
SAR 1g (W/Kg)	0.520439



Plot 2: GPRS850, Face, Middle,10mm

Type: Phone measurement

Date of measurement: 10/22/2019

Measurement duration: 22 minutes 08 seconds

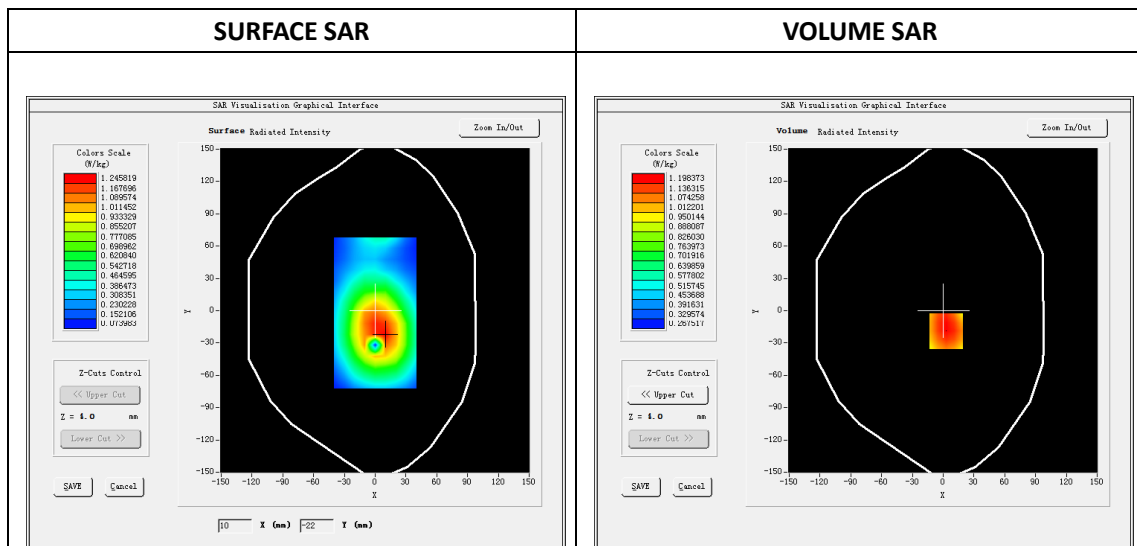
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

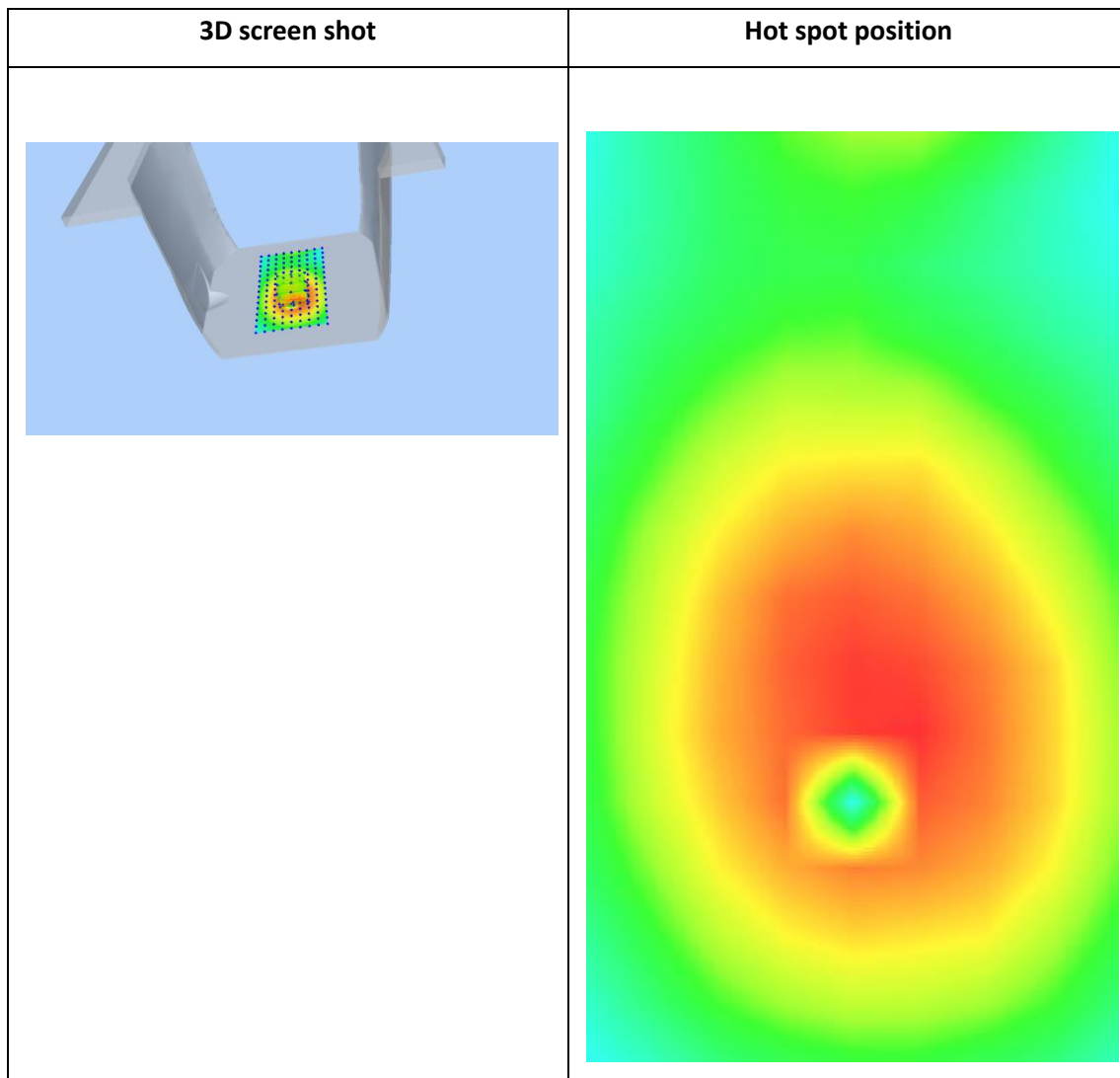
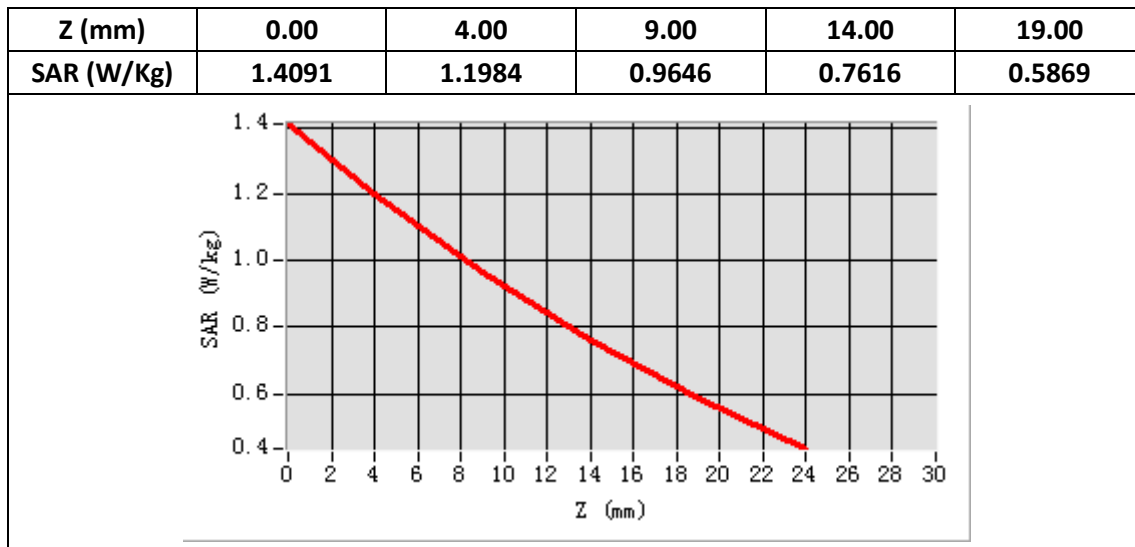
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.6
Relative permittivity (real part)	55.50
Relative permittivity (imaginary part)	20.91
Conductivity (S/m)	0.97
Variation (%)	-3.90
ConvF:	1.99



Maximum location: X=3.00, Y=-19.00

SAR Peak: 1.62 W/kg

SAR 10g (W/Kg)	0.884423
SAR 1g (W/Kg)	1.184284



Plot 3: GSM1900, Right Cheek, Middle

Type: Phone measurement

Date of measurement: 10/25/2019

Measurement duration: 22 minutes 06 seconds

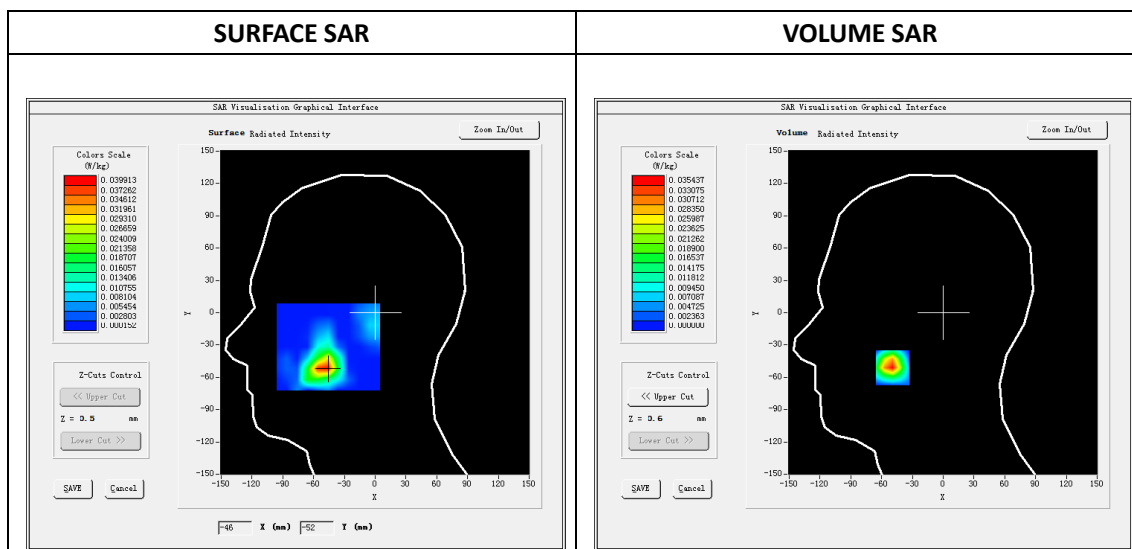
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

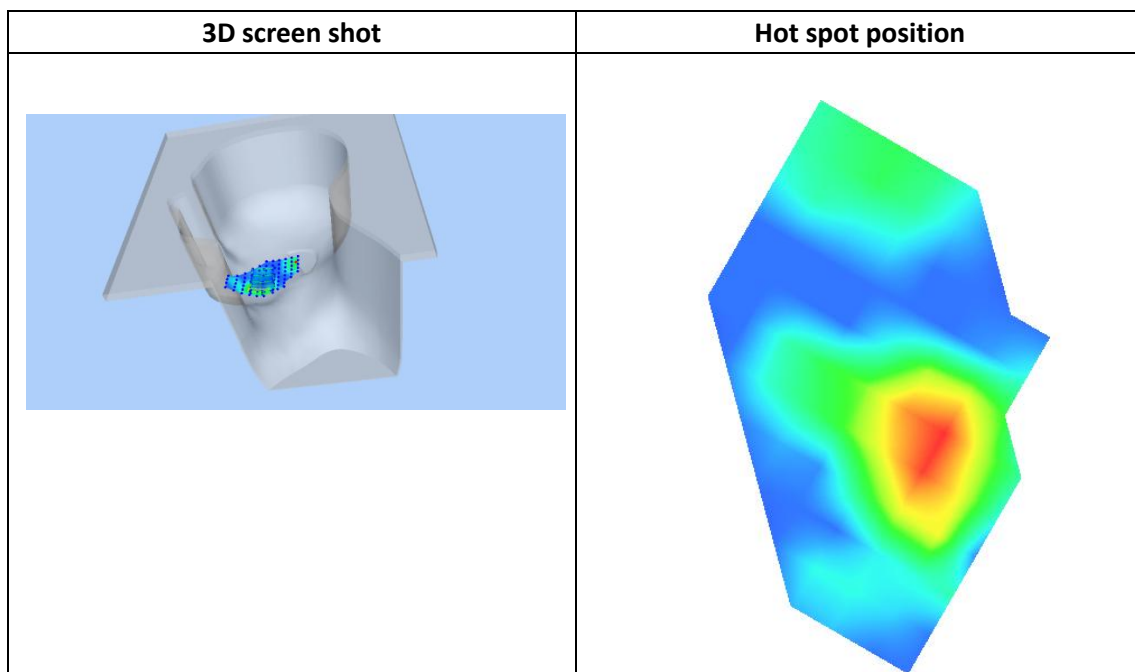
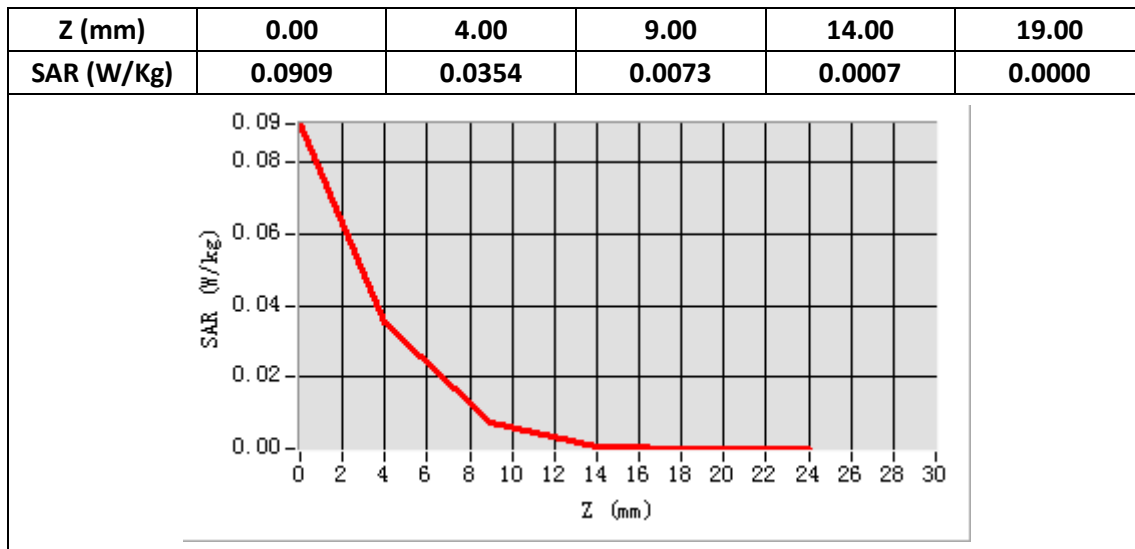
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	40.62
Relative permittivity (imaginary part)	13.74
Conductivity (S/m)	1.45
Variation (%)	-4.84
ConvF:	2.34



Maximum location: X=-49.00, Y=-51.00

SAR Peak: 0.09 W/kg

SAR 10g (W/Kg)	0.012843
SAR 1g (W/Kg)	0.035174



Plot 4: GPRS1900, Face, Middle ,10mm

Type: Phone measurement

Date of measurement: 10/25/2019

Measurement duration: 22 minutes 02 seconds

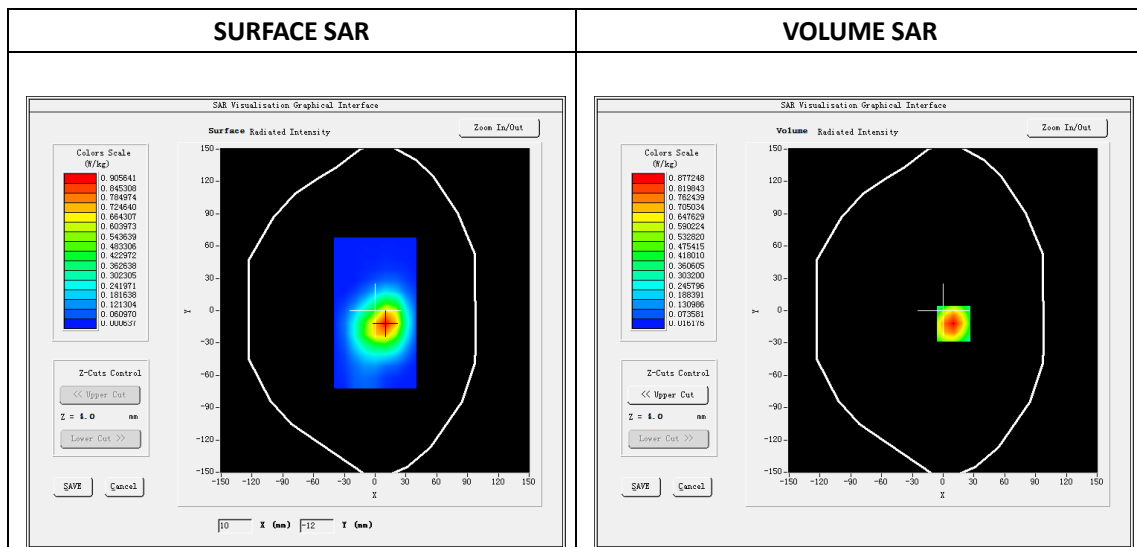
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

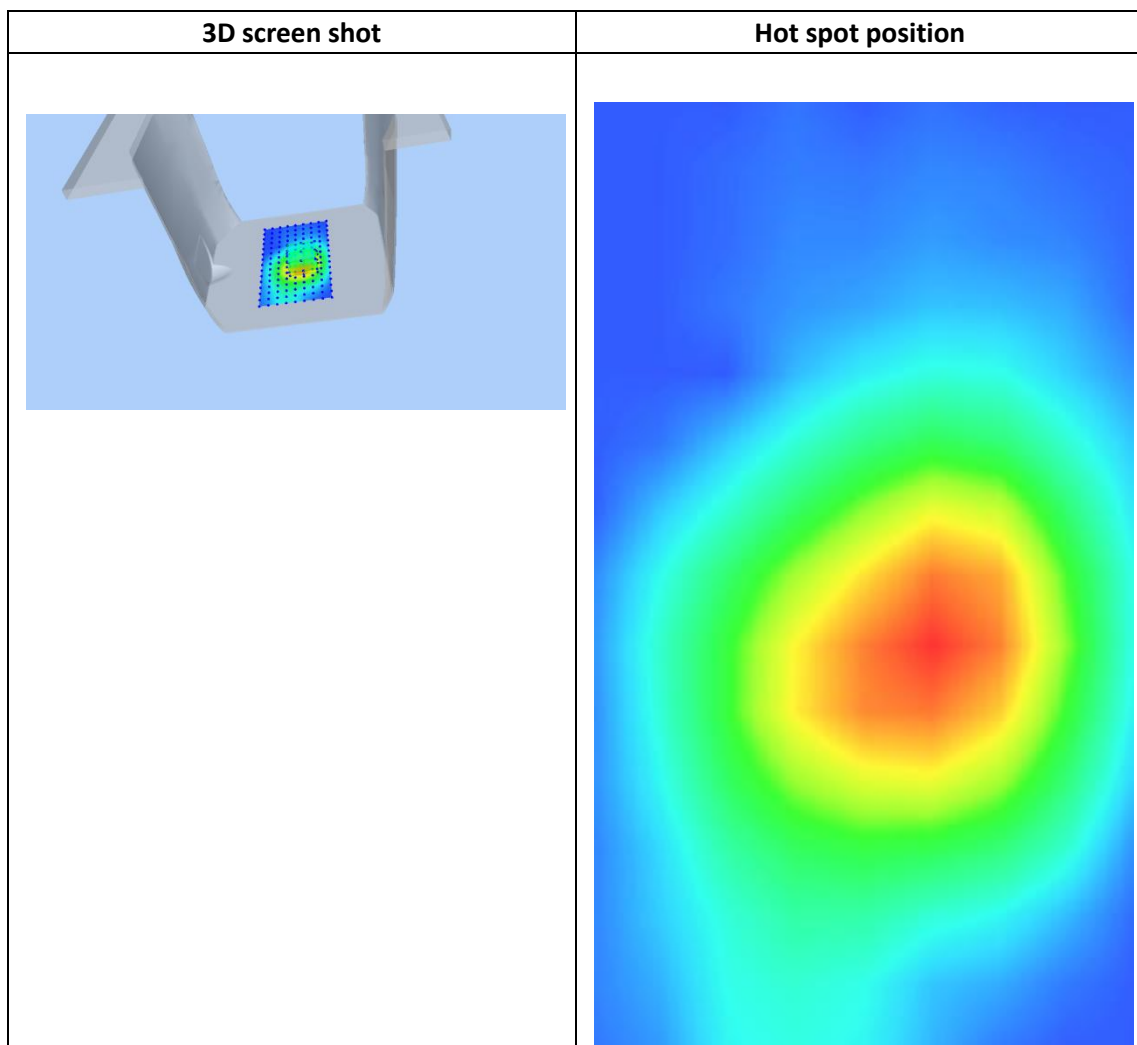
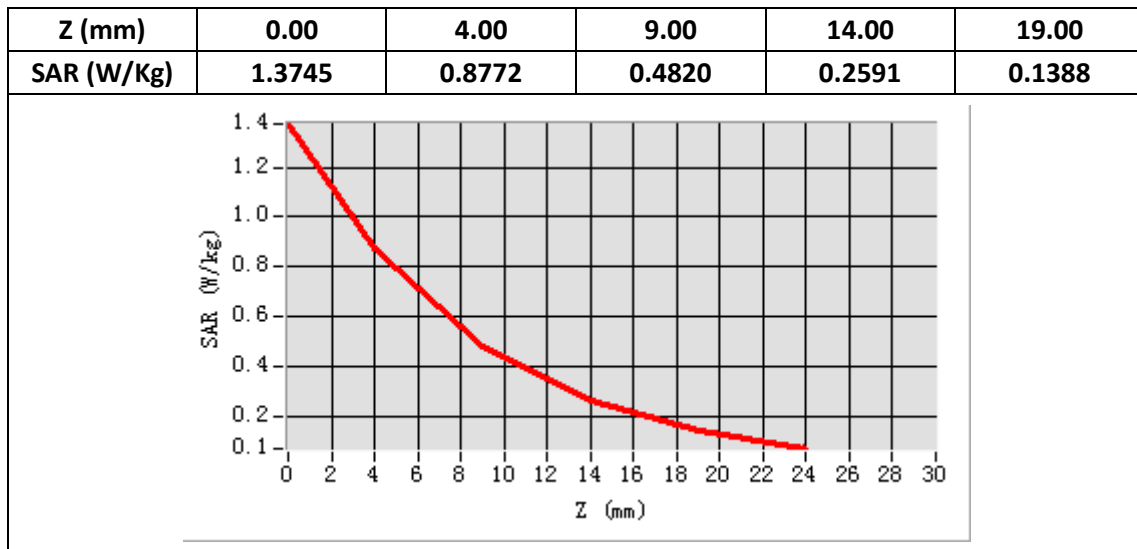
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.61
Relative permittivity (imaginary part)	14.78
Conductivity (S/m)	1.56
Variation (%)	0.52
ConvF:	2.39



Maximum location: X=10.00, Y=-12.00

SAR Peak: 1.38W/kg

SAR 10g (W/Kg)	0.441393
SAR 1g (W/Kg)	0.822641



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

Type: Phone measurement

Date of measurement: 10/25/2019

Measurement duration: 22 minutes 12 seconds

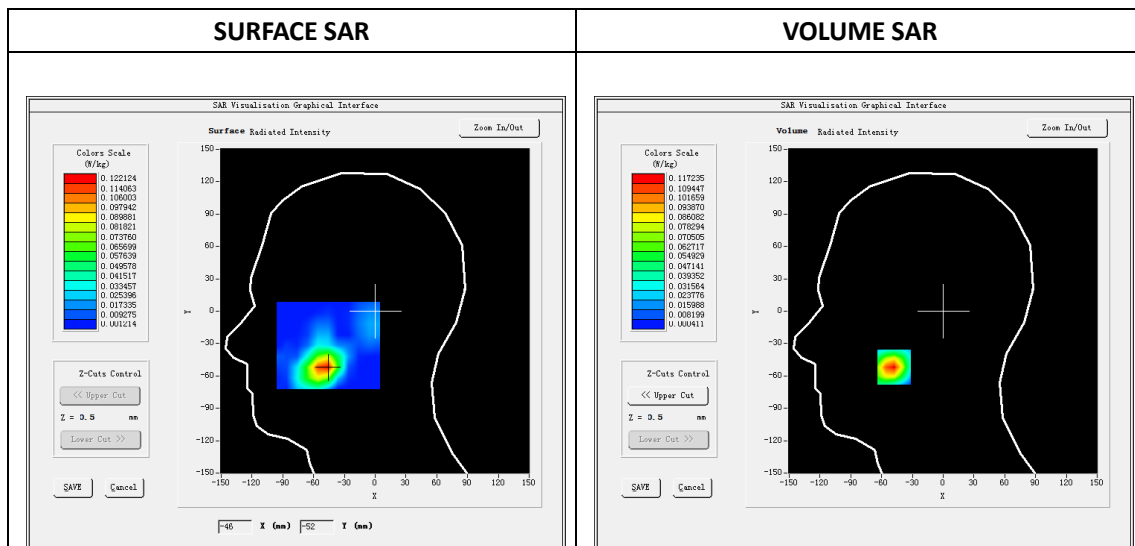
Mobile Phone IMEI number: --

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	Band2_WCDMA1900
Channels	9400
Signal	WCDMA (Duty cycle: 1:1)

B. SAR Measurement Results

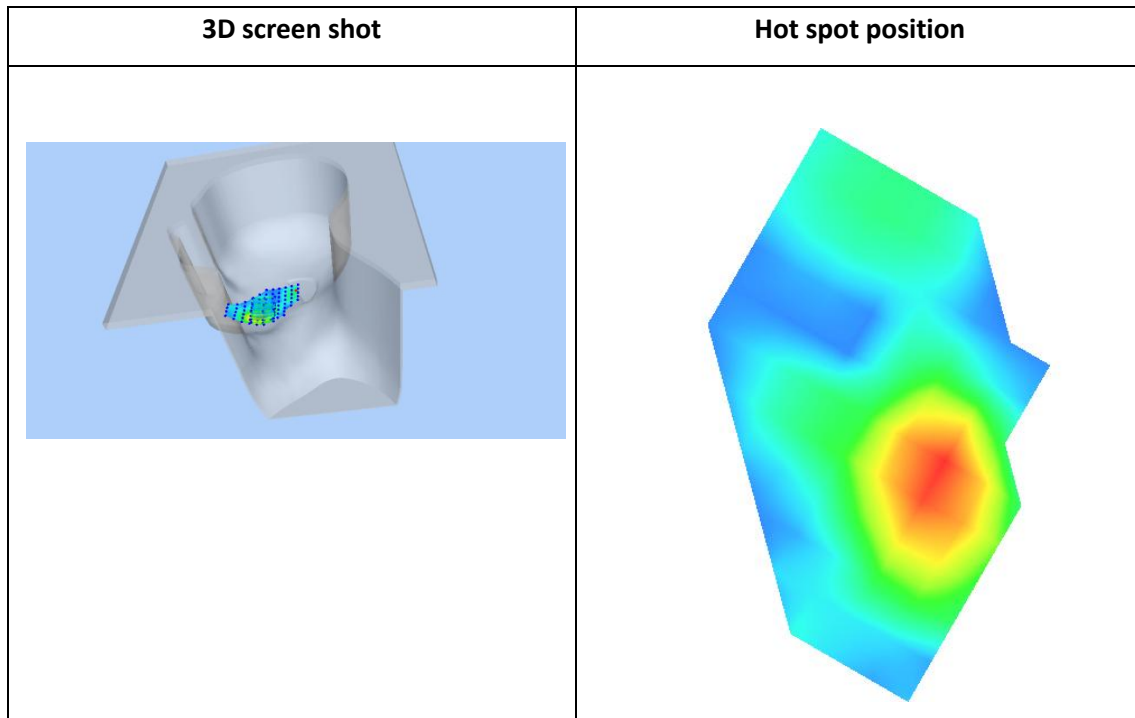
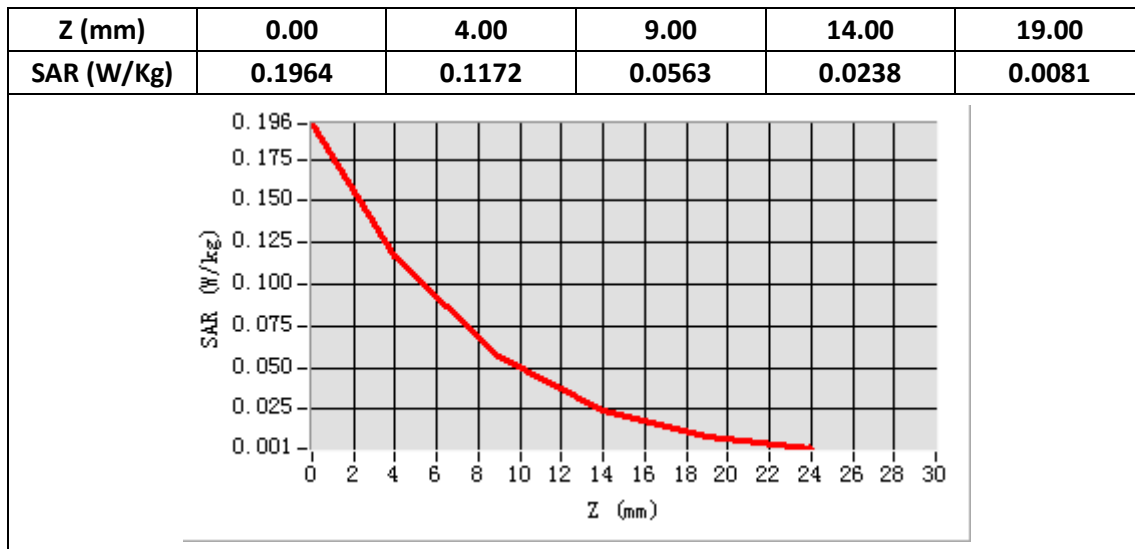
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	40.62
Relative permittivity (imaginary part)	13.74
Conductivity (S/m)	1.45
Variation (%)	-1.36
ConvF:	2.34



Maximum location: X=-48.00, Y=-52.00

SAR Peak: 0.20W/kg

SAR 10g (W/Kg)	0.048838
SAR 1g (W/Kg)	0.108575



Plot 6: WCDMA1900, Face, Middle,10mm

Type: Phone measurement

Date of measurement: 10/25/2019

Measurement duration: 22 minutes 16 seconds

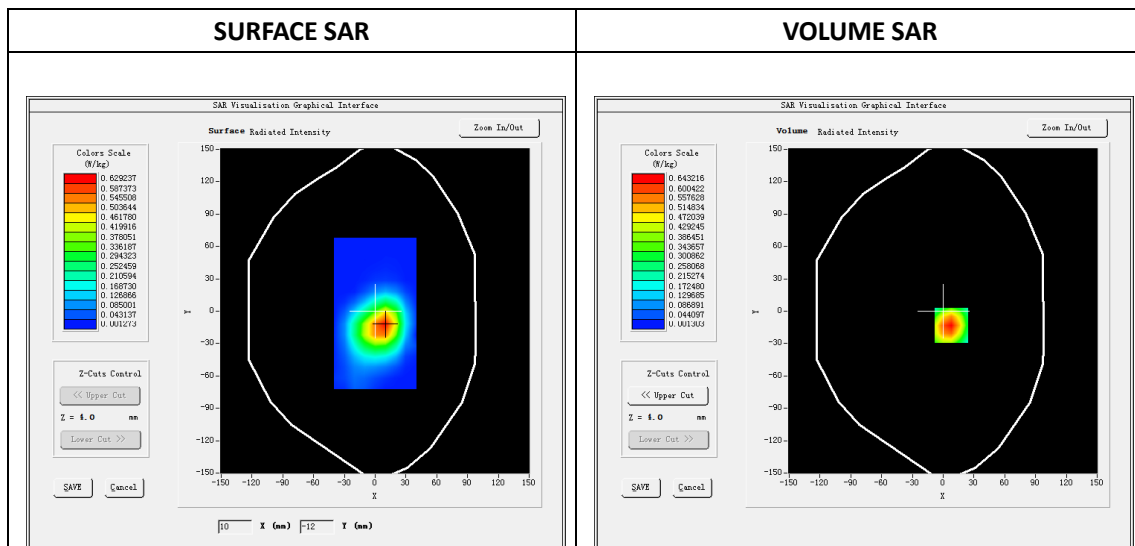
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

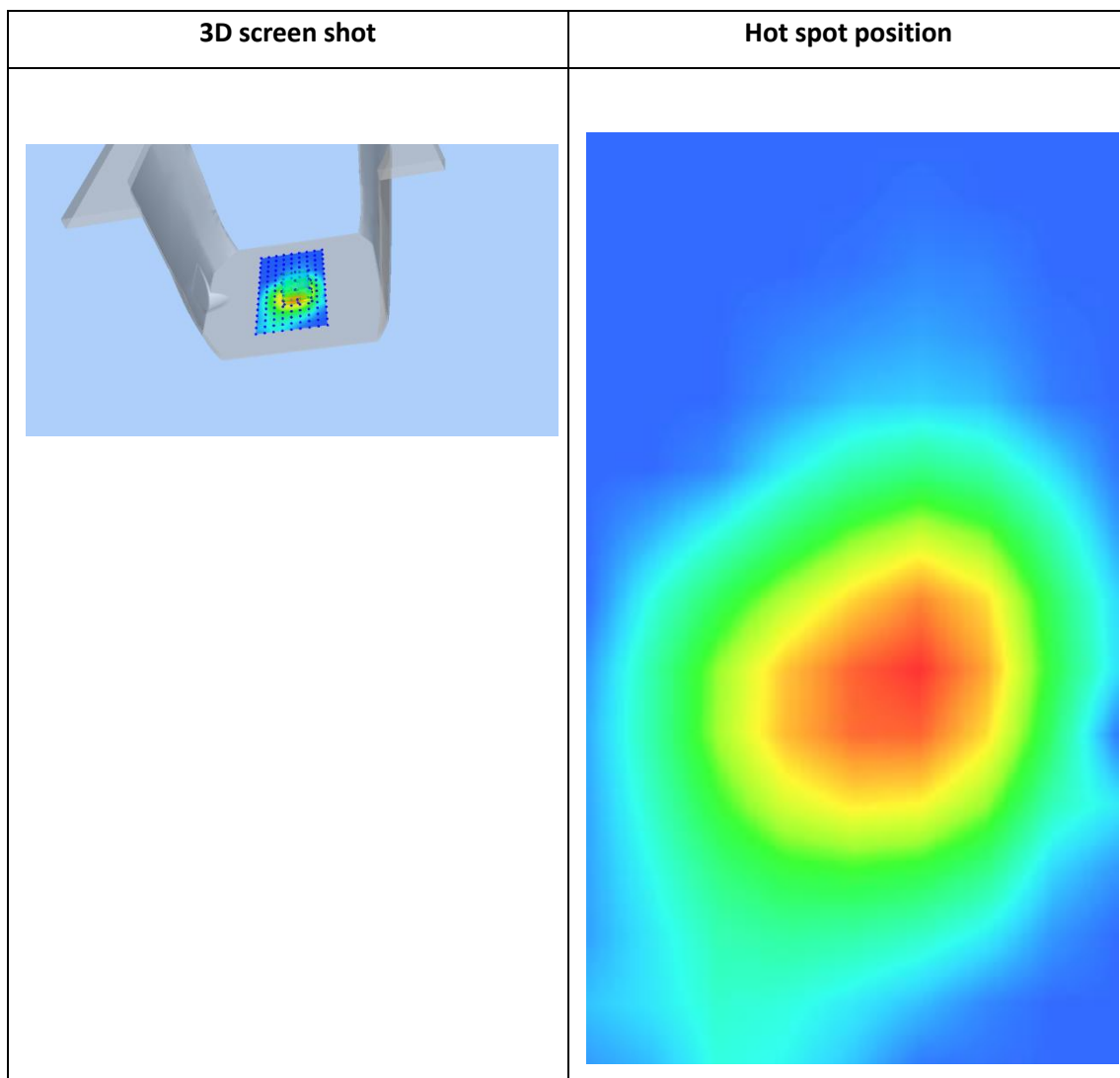
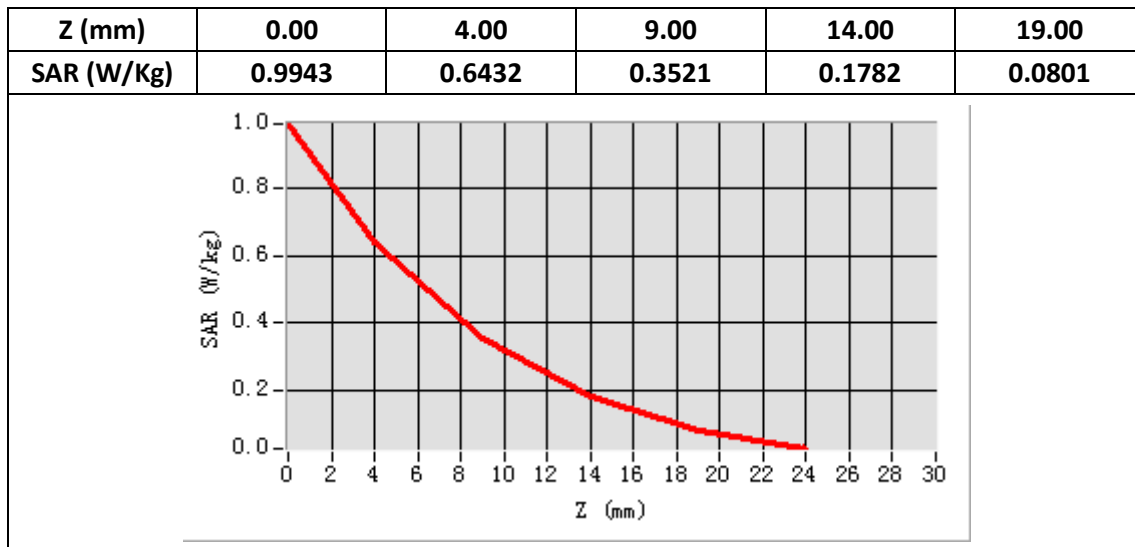
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.61
Relative permittivity (imaginary part)	14.78
Conductivity (S/m)	1.56
Variation (%)	2.38
ConvF:	2.39



Maximum location: X=8.00, Y=-13.00

SAR Peak: 1.00W/kg

SAR 10g (W/Kg)	0.314941
SAR 1g (W/Kg)	0.602469



Plot 7: WCDMA1900, Edge C, Middle,10mm

Type: Phone measurement

Date of measurement: 10/25/2019

Measurement duration: 22 minutes 16 seconds

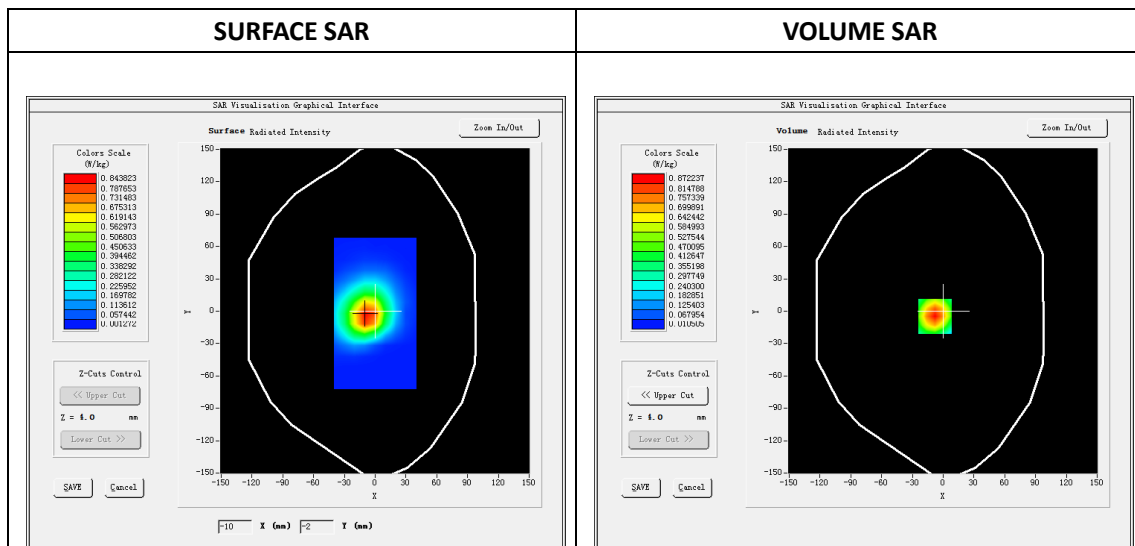
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

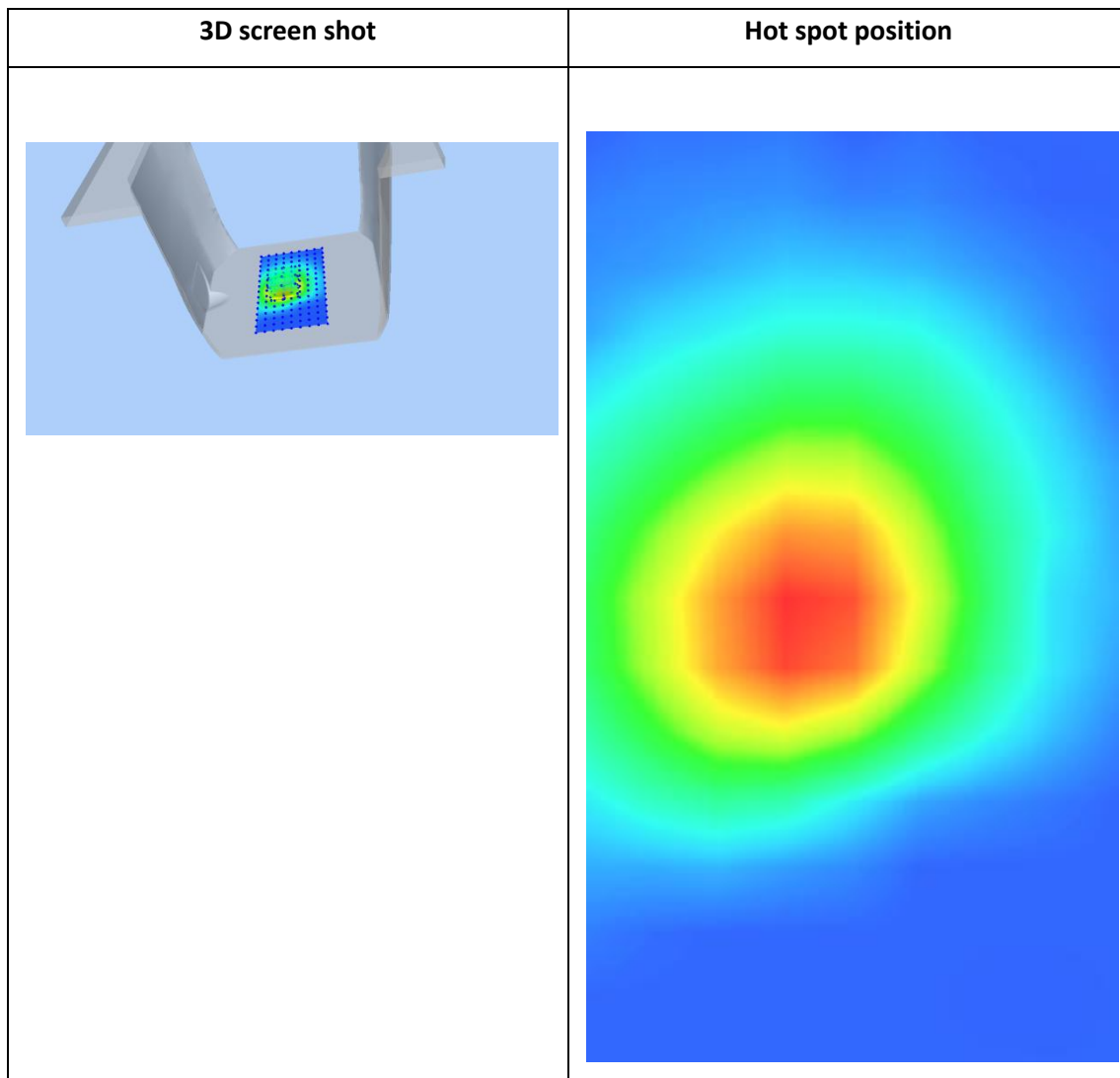
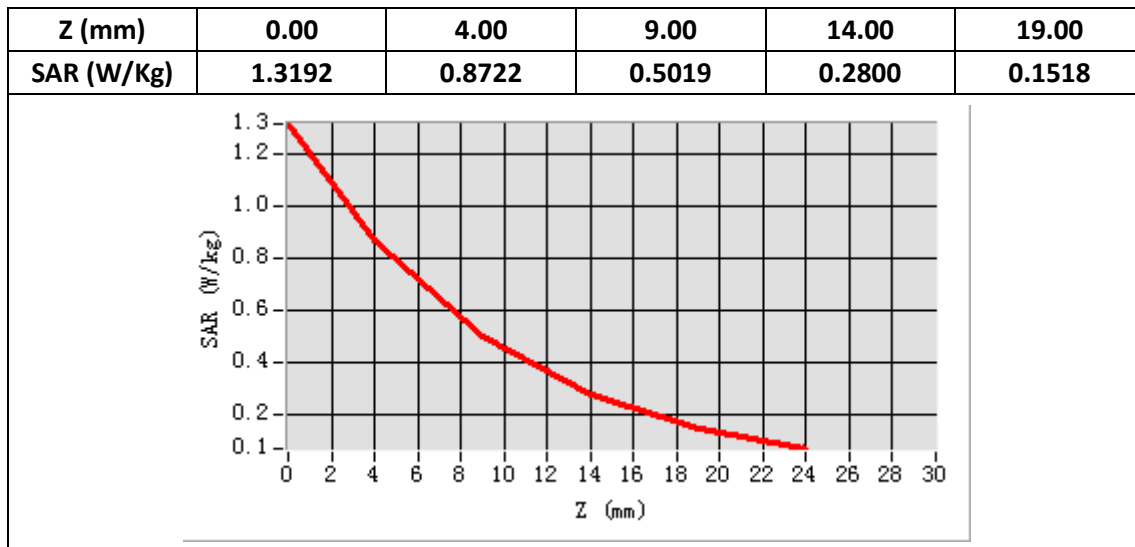
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.61
Relative permittivity (imaginary part)	14.78
Conductivity (S/m)	1.56
Variation (%)	-1.31
ConvF:	2.39



Maximum location: X=-8.00, Y=-5.00

SAR Peak: 1.32W/kg

SAR 10g (W/Kg)	0.435826
SAR 1g (W/Kg)	0.812706



Plot 8: WCDMA1700, Right Cheek, Middle

Type: Phone measurement

Date of measurement: 10/24/2019

Measurement duration: 22 minutes 06 seconds

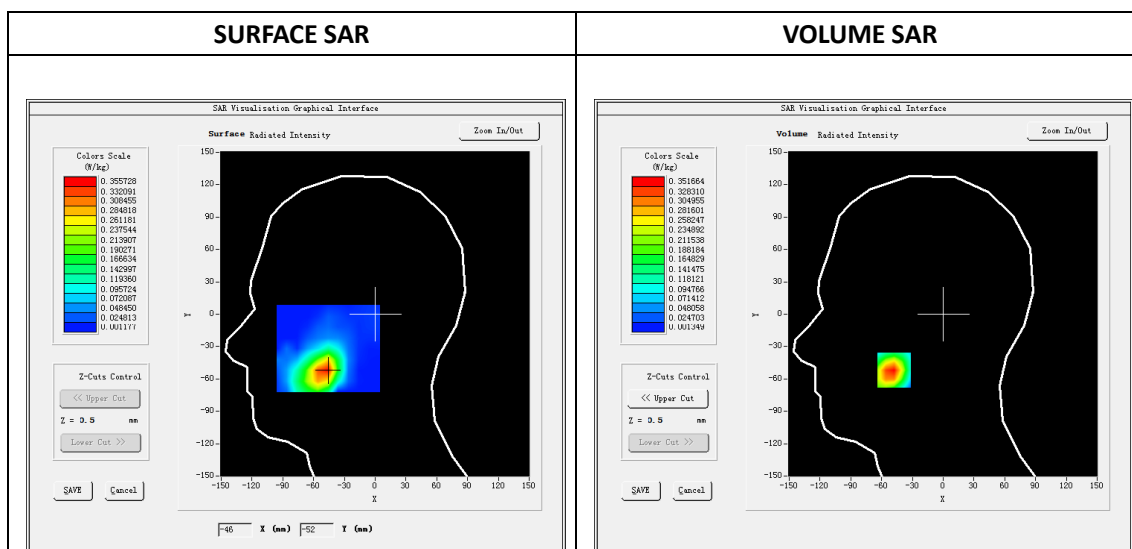
Mobile Phone IMEI number: --

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	Band2_WCDMA1700
Channels	1413
Signal	WCDMA (Duty cycle: 1:1)

B. SAR Measurement Results

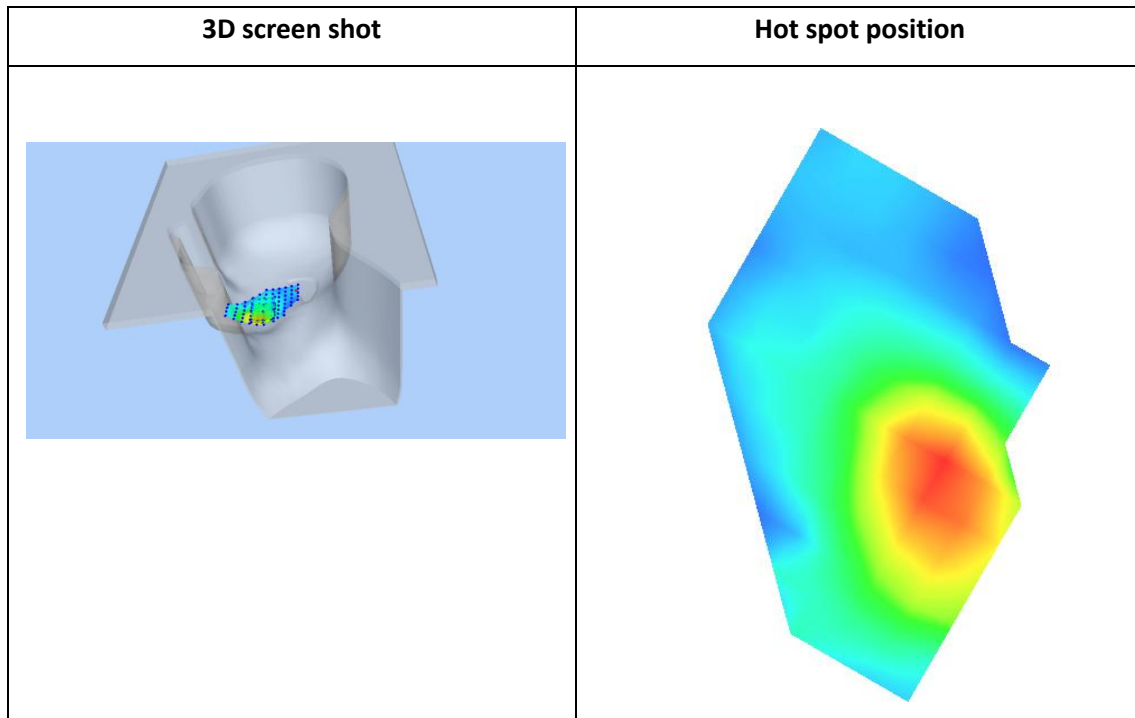
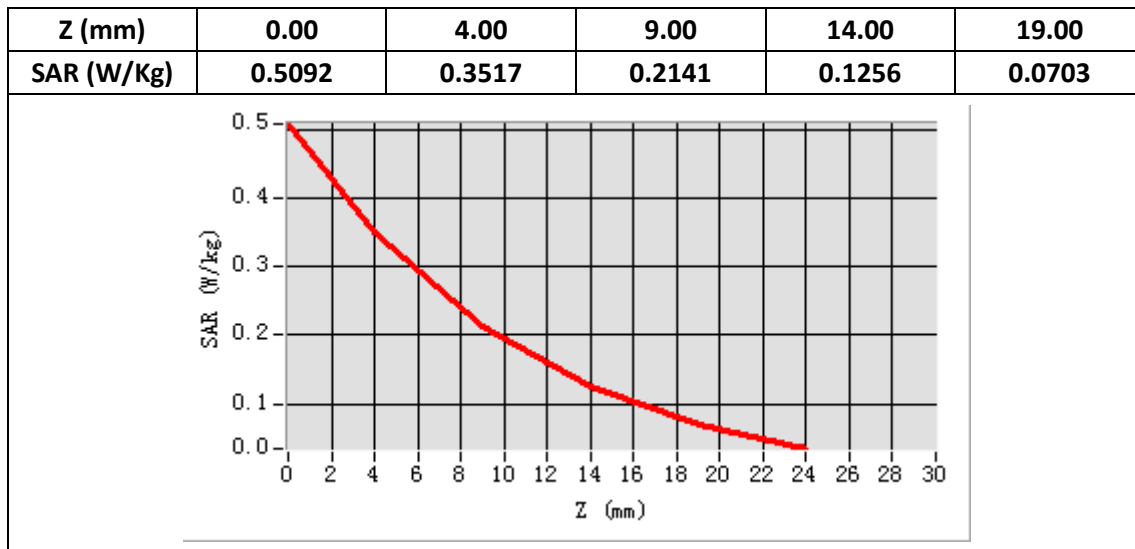
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.6
Relative permittivity (real part)	40.78
Relative permittivity (imaginary part)	14.20
Conductivity (S/m)	1.42
Variation (%)	-2.99
ConvF:	2.14



Maximum location: X=-48.00, Y=-52.00

SAR Peak: 0.52W/kg

SAR 10g (W/Kg)	0.178614
SAR 1g (W/Kg)	0.337297



Plot 9: WCDMA1700, Face, Middle,10mm

Type: Phone measurement

Date of measurement: 10/24/2019

Measurement duration: 22 minutes 09 seconds

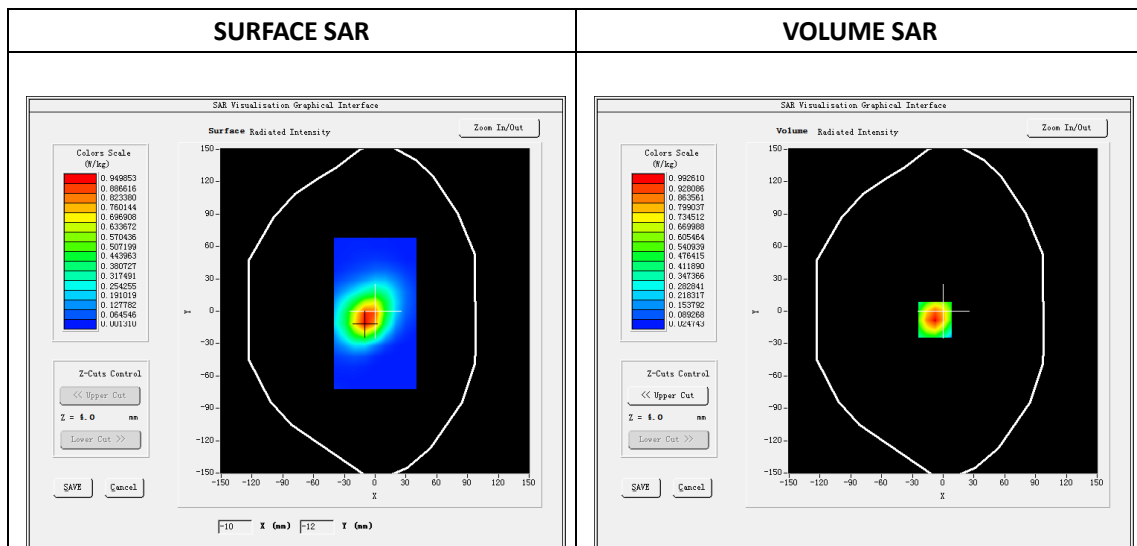
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

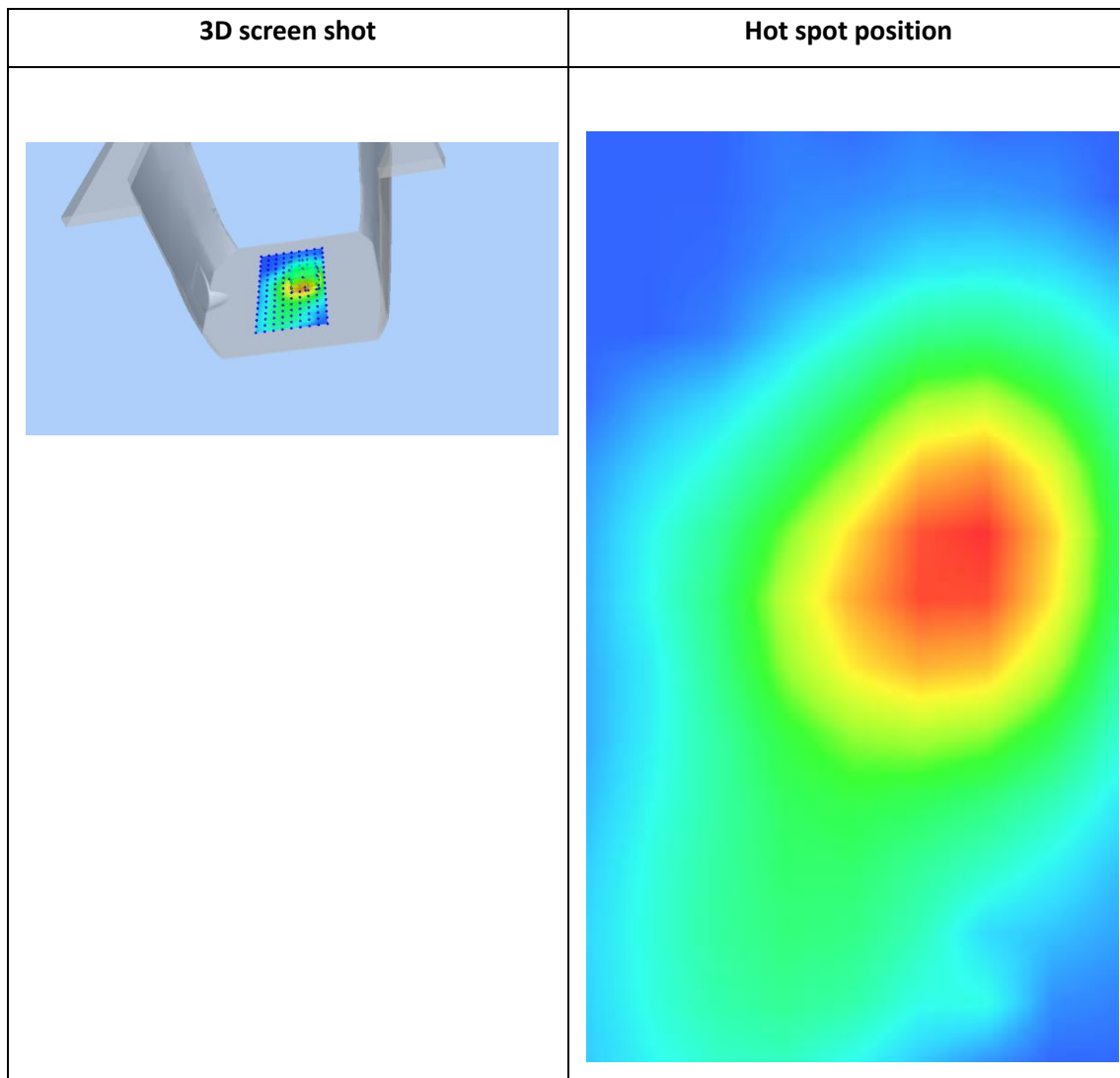
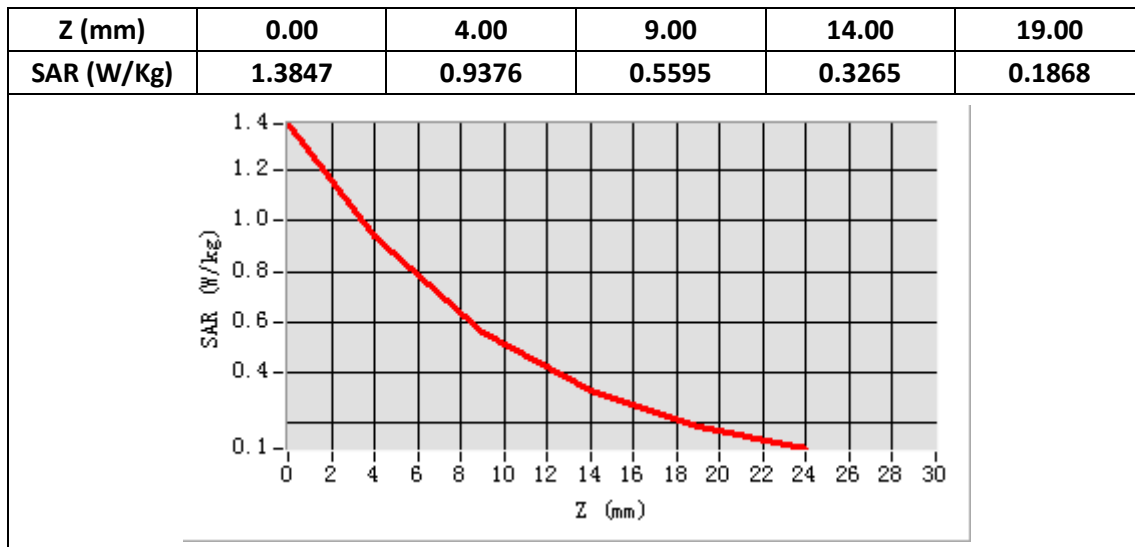
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.6
Relative permittivity (real part)	53.77
Relative permittivity (imaginary part)	15.40
Conductivity (S/m)	1.54
Variation (%)	-2.62
ConvF:	2.22



Maximum location: X=17.00, Y=5.00

SAR Peak: 1.40W/kg

SAR 10g (W/Kg)	0.486944
SAR 1g (W/Kg)	0.878807



Plot 10: WCDMA1700, Edge C, Middle,10mm

Type: Phone measurement

Date of measurement: 10/24/2019

Measurement duration: 22 minutes 09 seconds

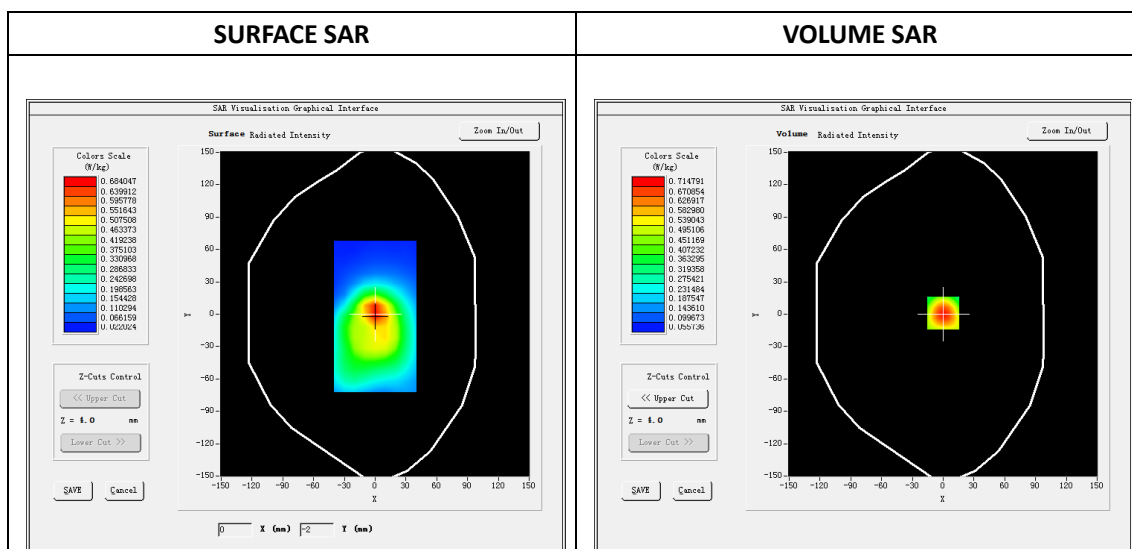
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

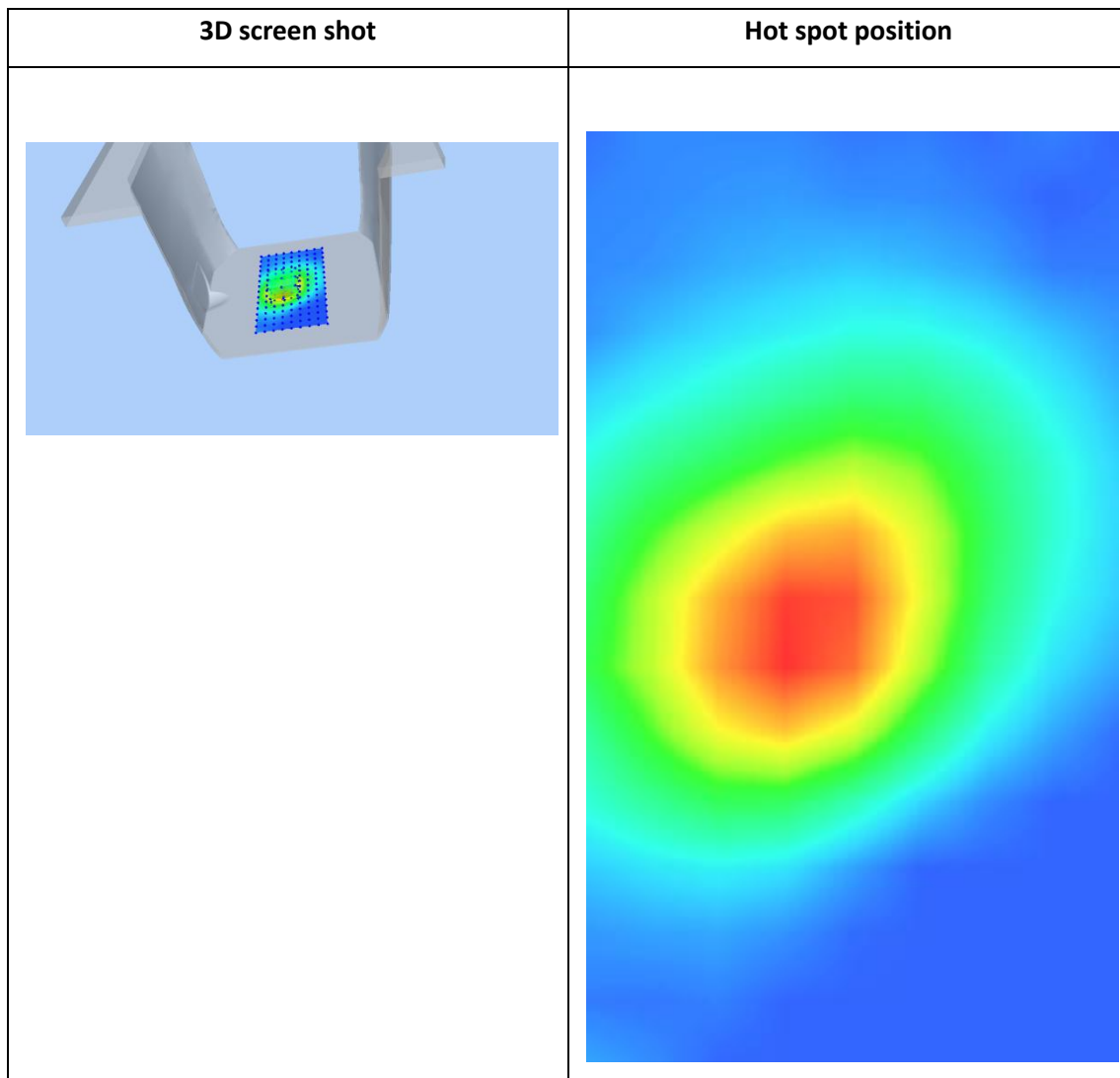
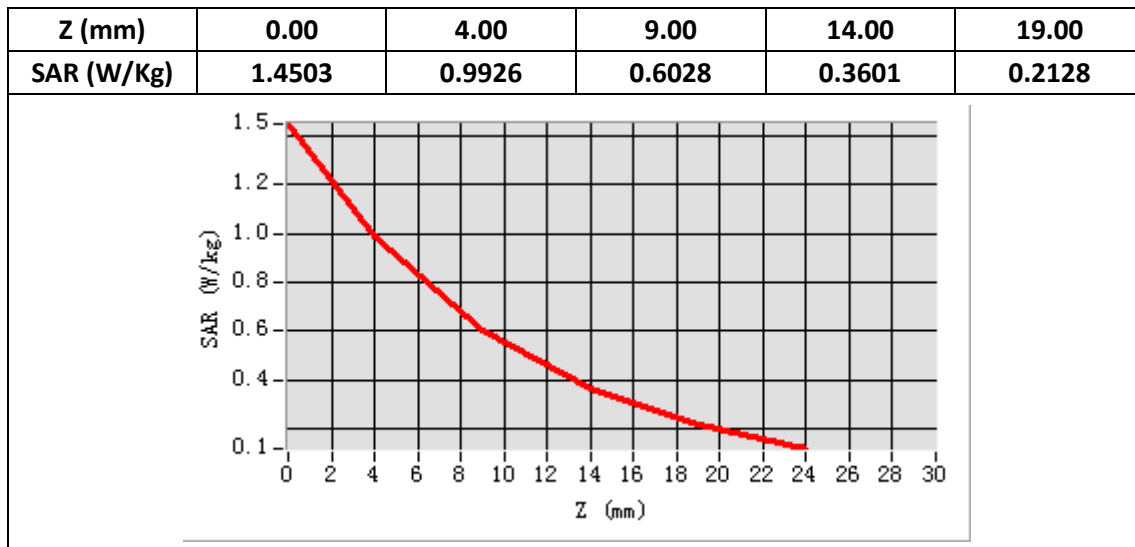
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.6
Relative permittivity (real part)	53.77
Relative permittivity (imaginary part)	15.40
Conductivity (S/m)	1.54
Variation (%)	-3.22
ConvF:	2.22



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

SAR Peak: 1.46W/kg

SAR 10g (W/Kg)	0.515284
SAR 1g (W/Kg)	0.924148



Plot 11: WCDMA850, Right Cheek, Middle

Type: Phone measurement

Date of measurement: 10/22/2019

Measurement duration: 22 minutes 17 seconds

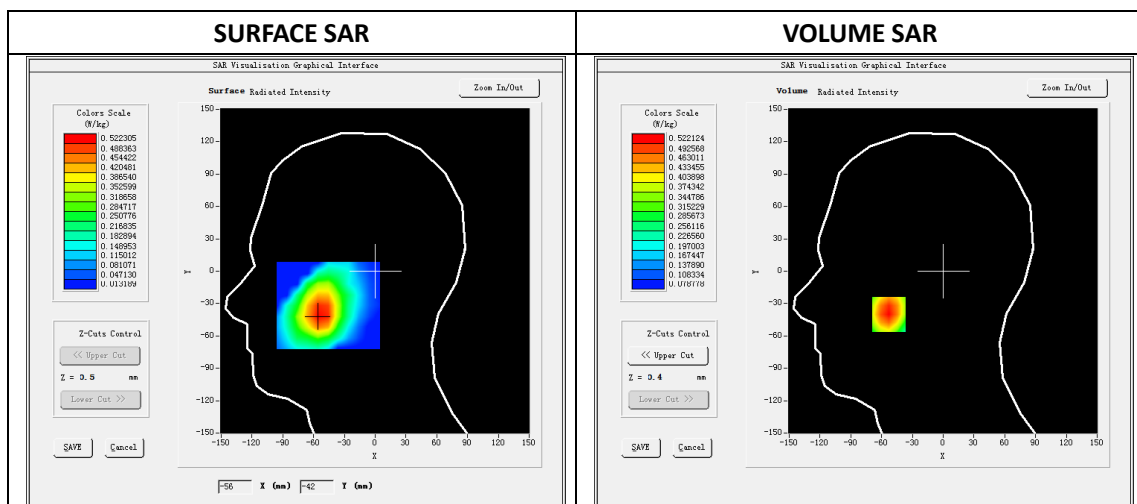
Mobile Phone IMEI number: --

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

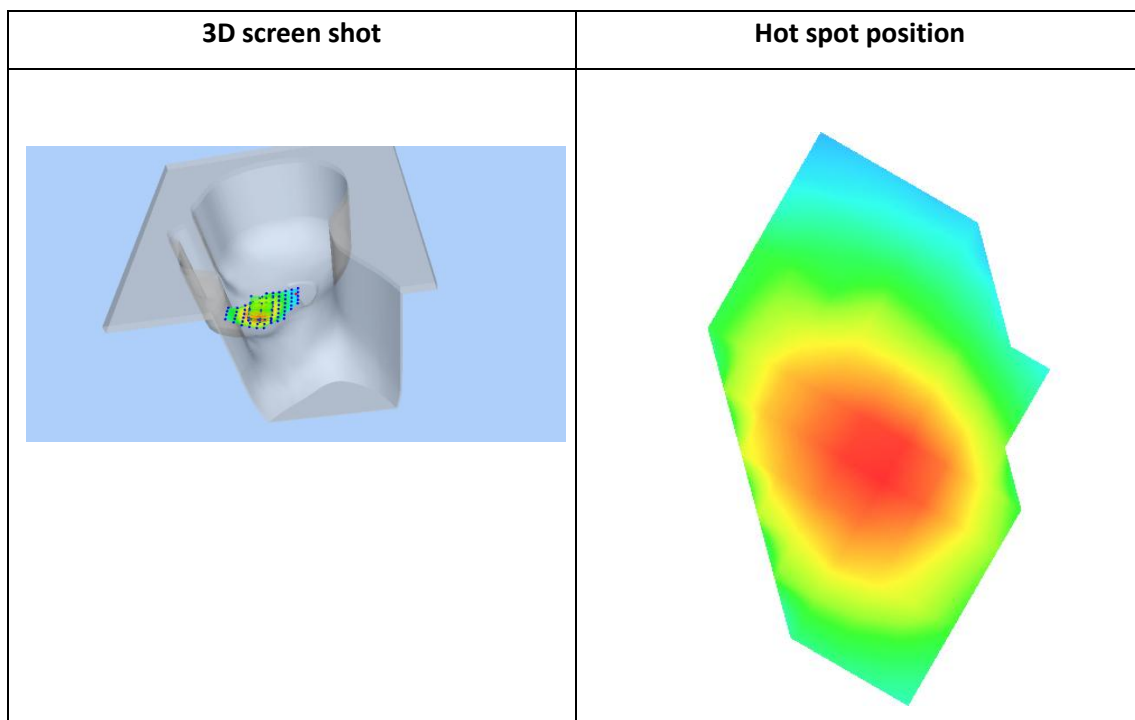
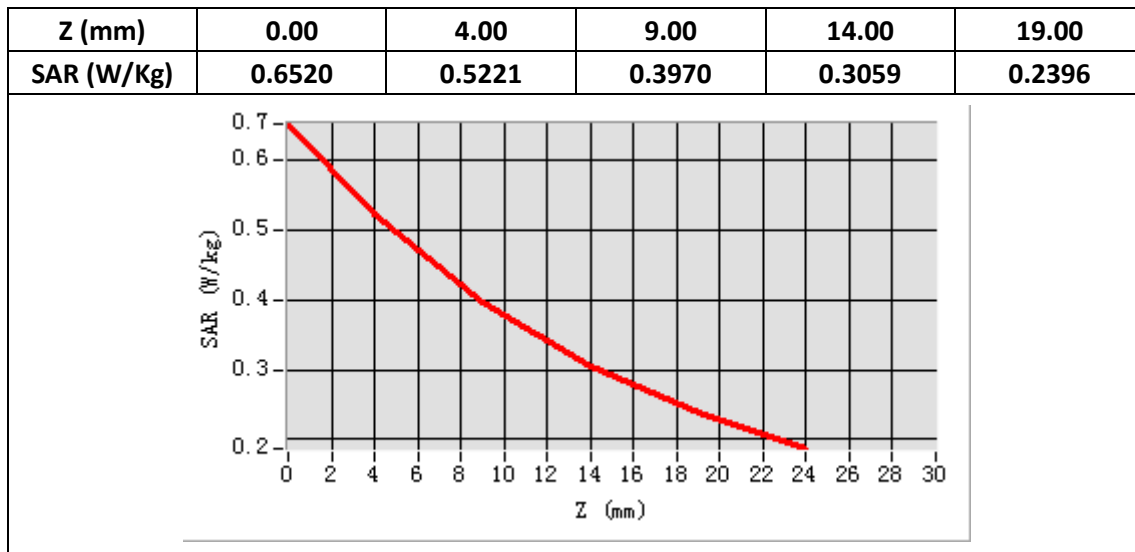
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	826.4
Relative permittivity (real part)	41.63
Relative permittivity (imaginary part)	20.69
Conductivity (S/m)	0.96
Variation (%)	-3.20
ConvF:	1.92



Maximum location: X=-53.00, Y=-40.00

SAR Peak: 0.65W/kg

SAR 10g (W/Kg)	0.358460
SAR 1g (W/Kg)	0.500806



Plot 12: WCDMA850, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 10/22/2019

Measurement duration: 22 minutes 19 seconds

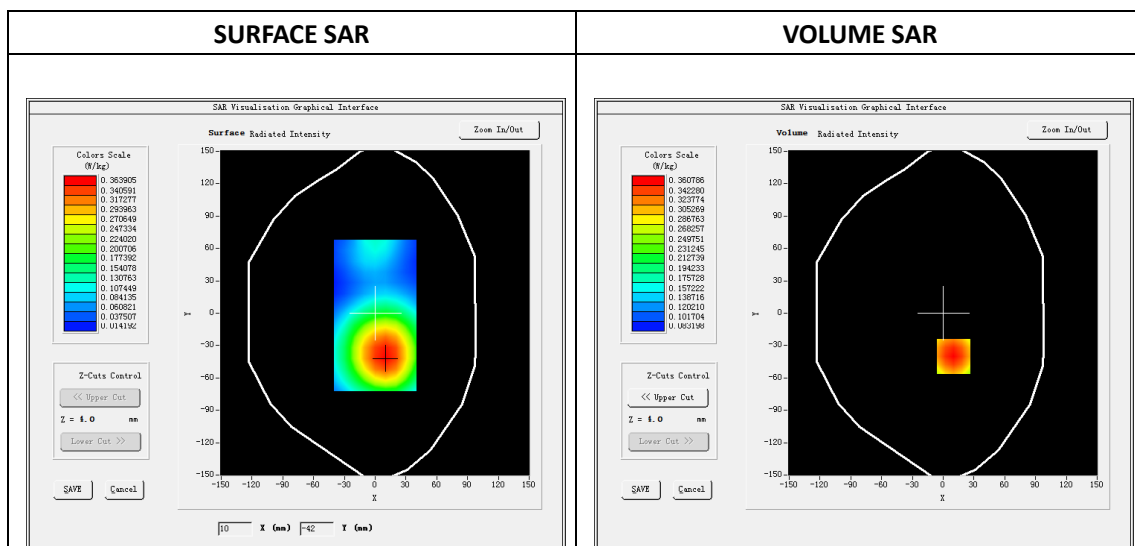
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

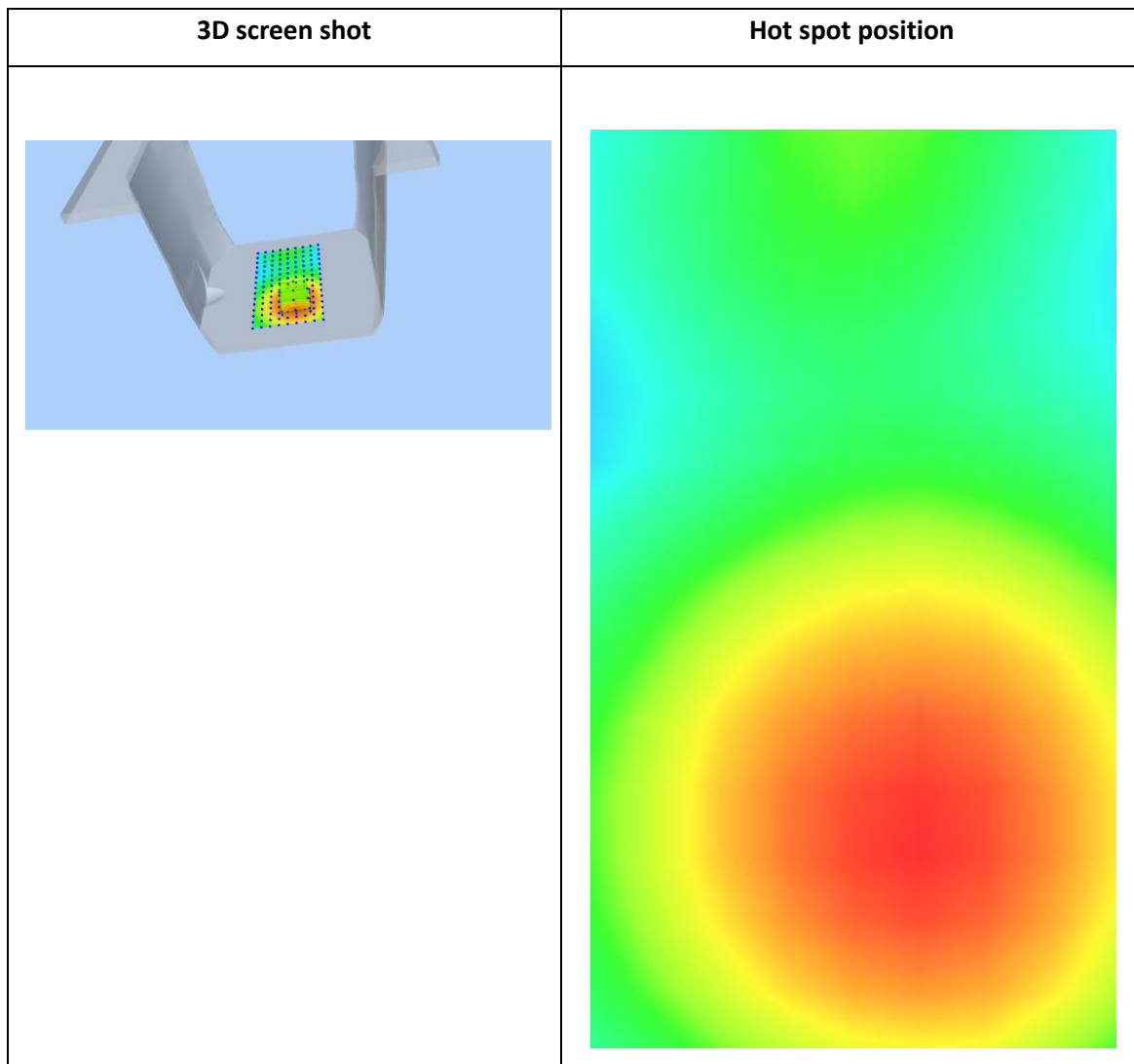
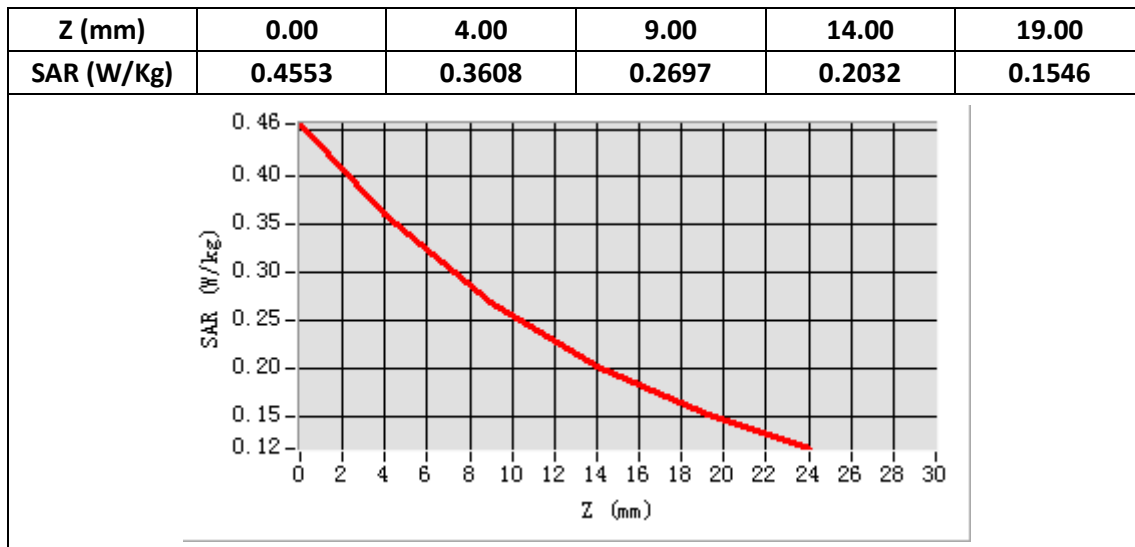
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	826.4
Relative permittivity (real part)	55.50
Relative permittivity (imaginary part)	20.91
Conductivity (S/m)	0.97
Variation (%)	-2.02
ConvF:	1.99



Maximum location: X=10.00, Y=-40.00

SAR Peak: 0.46W/kg

SAR 10g (W/Kg)	0.254793
SAR 1g (W/Kg)	0.353693



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

Type: Phone measurement

Date of measurement: 10/25/2019

Measurement duration: 22 minutes 20 econds

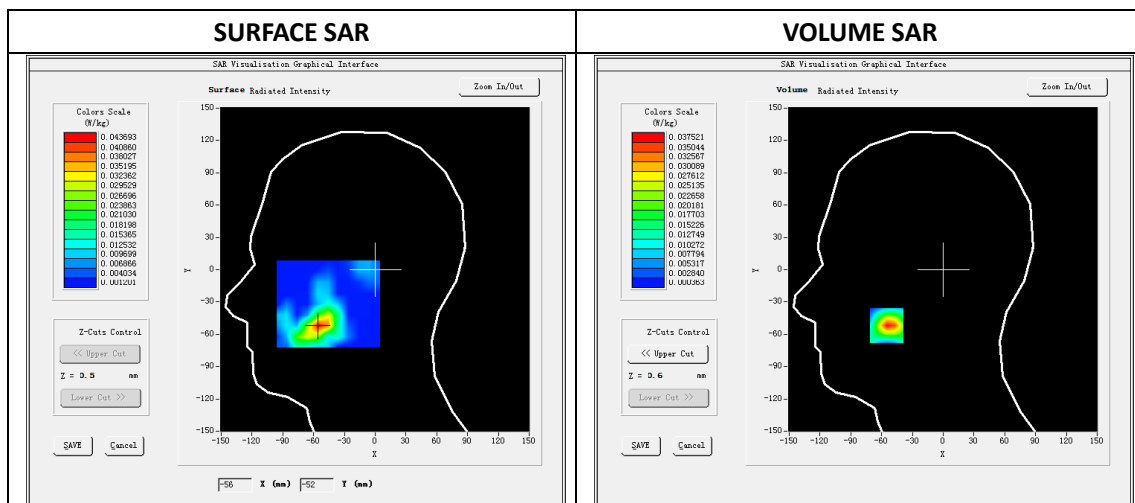
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

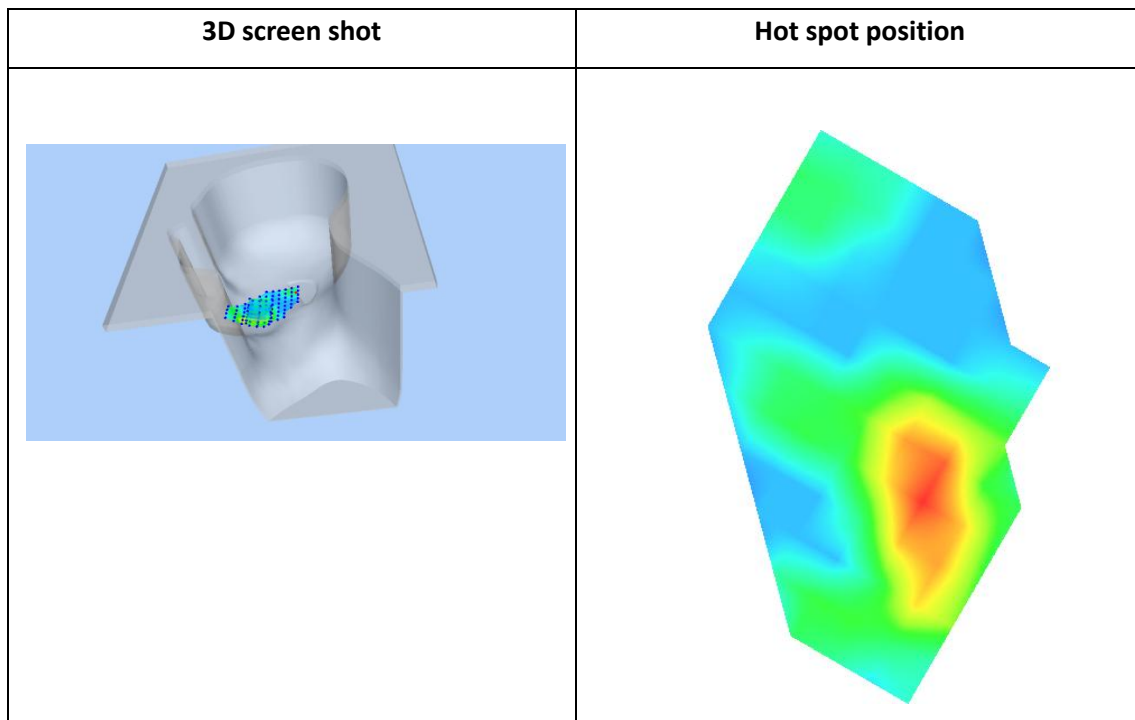
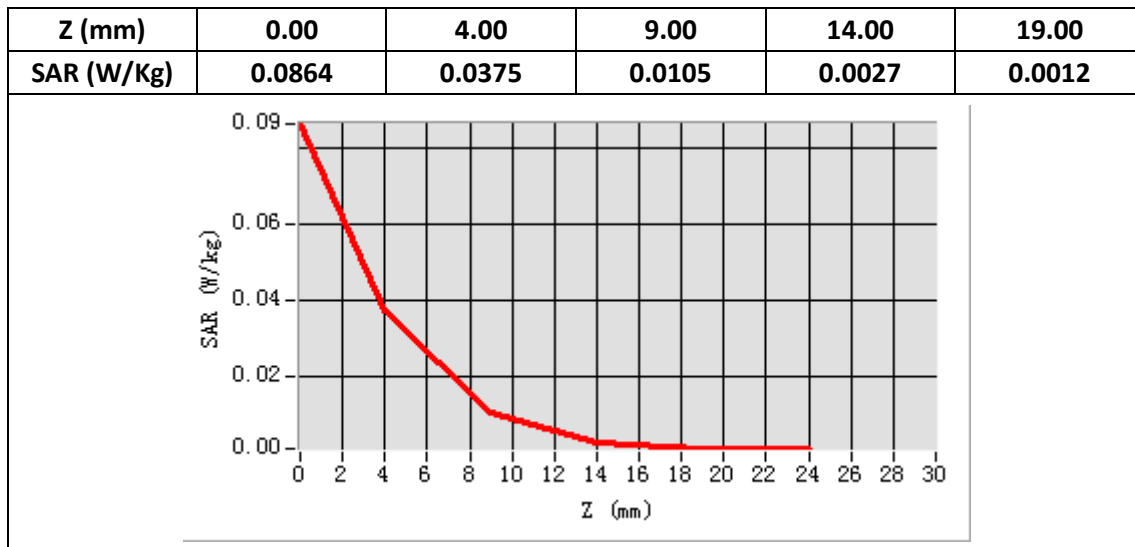
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	40.62
Relative permittivity (imaginary part)	13.74
Conductivity (S/m)	1.45
Variation (%)	-3.63
ConvF:	2.34



Maximum location: X=-55.00, Y=-52.00

SAR Peak: 0.09 W/kg

SAR 10g (W/Kg)	0.013843
SAR 1g (W/Kg)	0.036058



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

Type: Phone measurement

Date of measurement: 10/25/2019

Measurement duration: 22 minutes 21 seconds

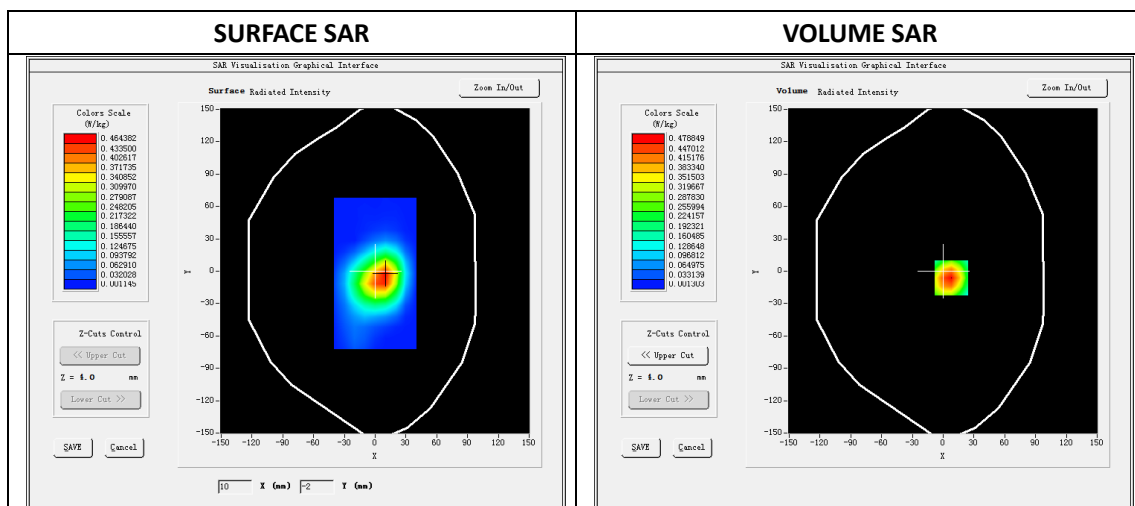
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

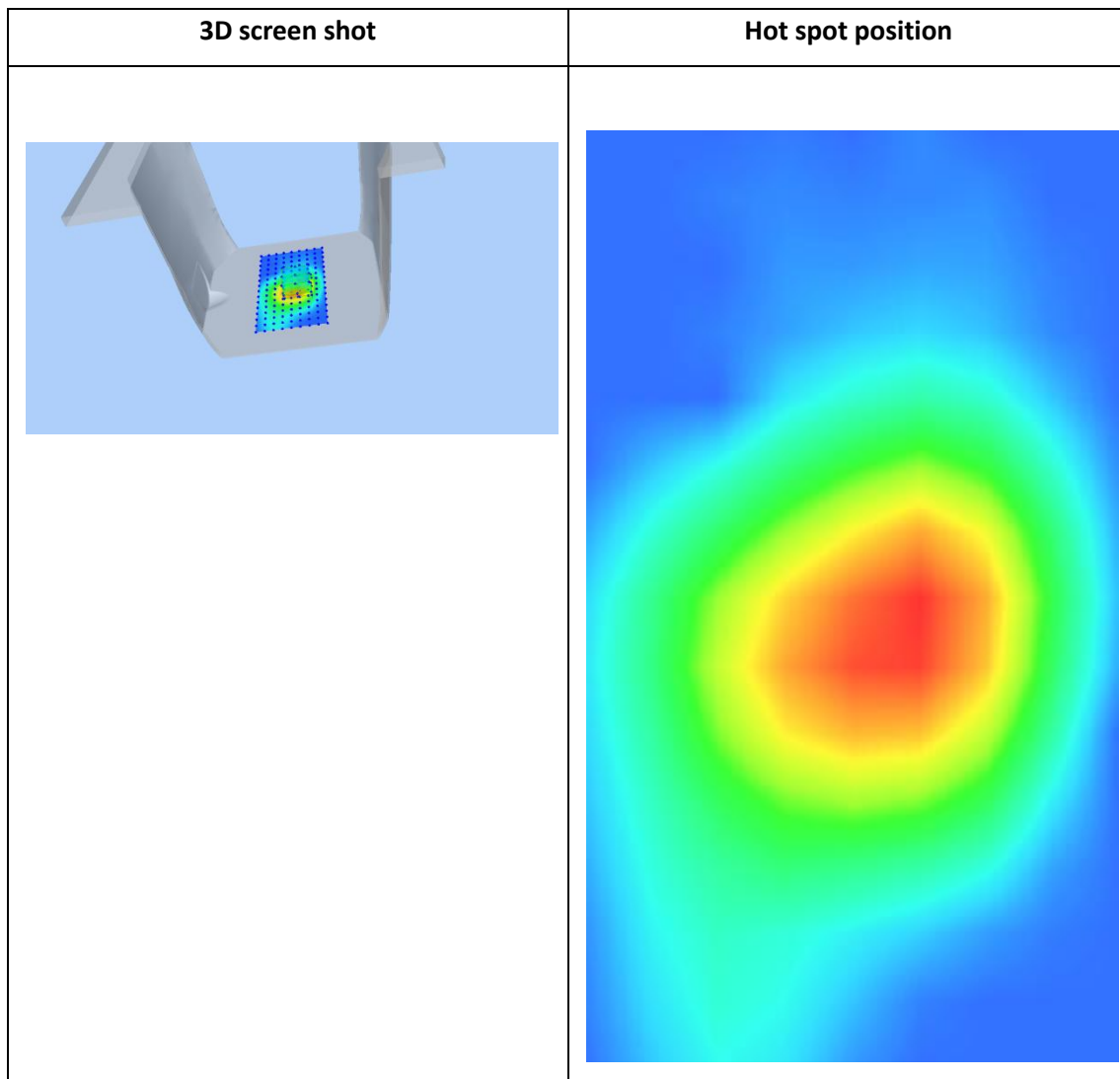
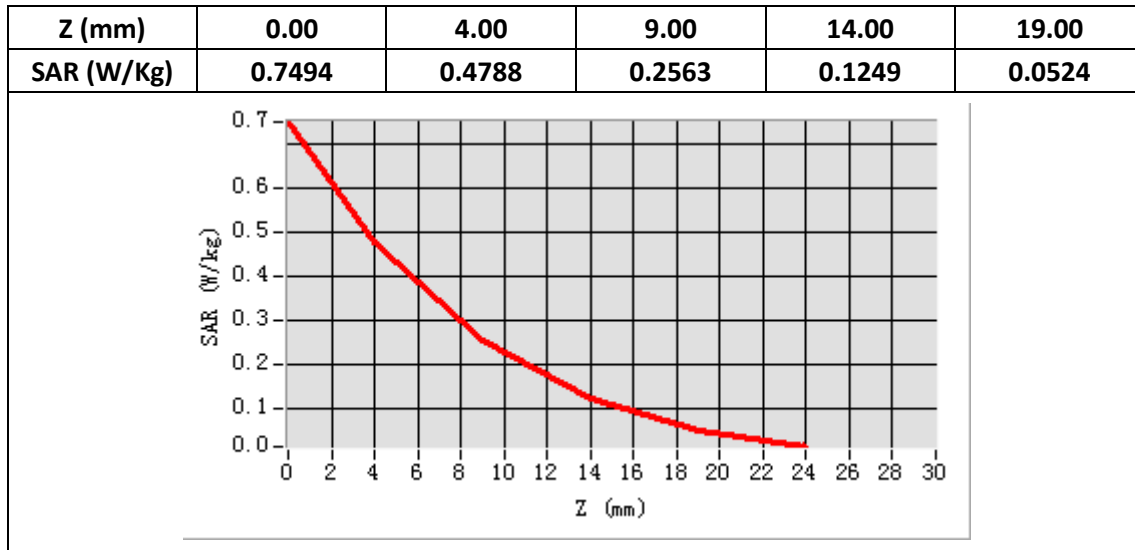
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.61
Relative permittivity (imaginary part)	14.78
Conductivity (S/m)	1.56
Variation (%)	-3.45
ConvF:	2.39



Maximum location: X=8.00, Y=-6.00

SAR Peak: 0.75W/kg

SAR 10g (W/Kg)	0.230727
SAR 1g (W/Kg)	0.448543



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

Type: Phone measurement

Date of measurement: 10/25/2019

Measurement duration: 22 minutes 21 seconds

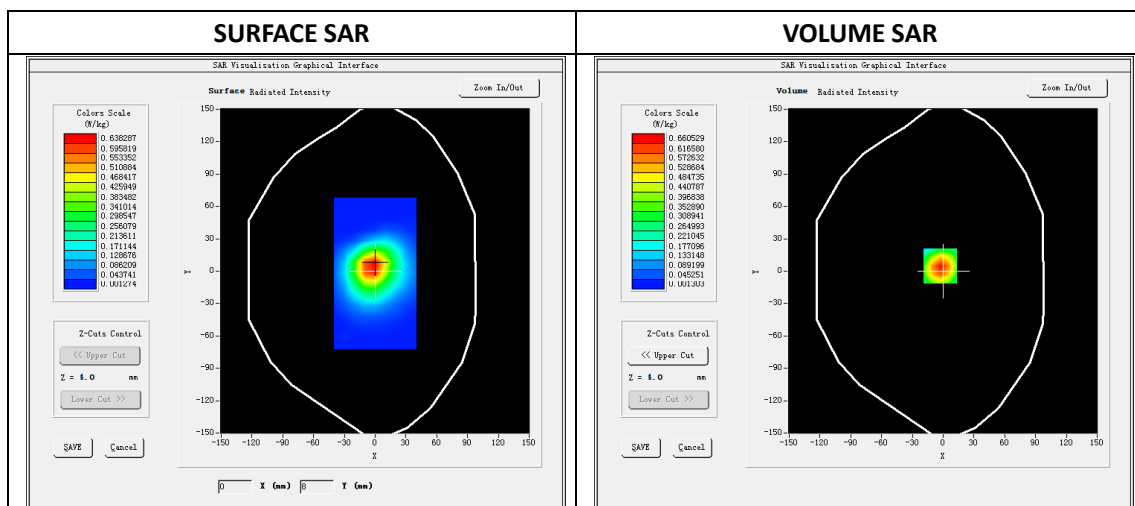
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

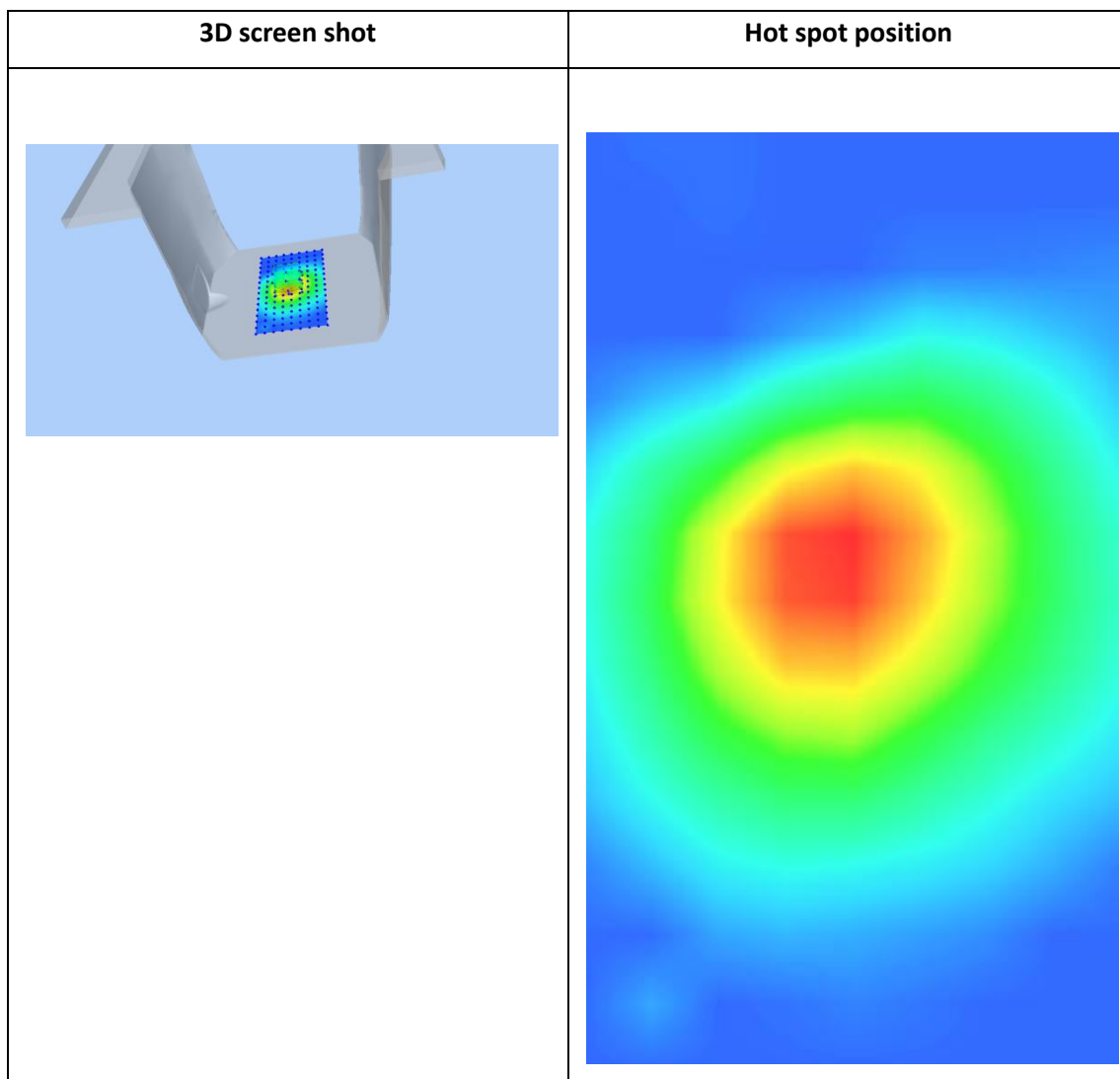
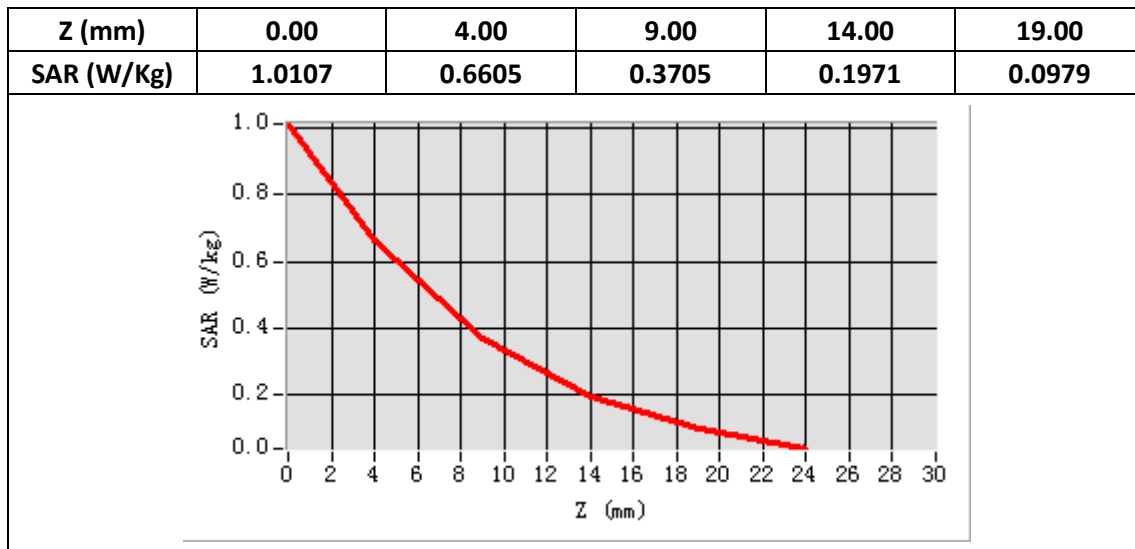
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1880
Relative permittivity (real part)	53.61
Relative permittivity (imaginary part)	14.78
Conductivity (S/m)	1.56
Variation (%)	-4.61
ConvF:	2.39



Maximum location: X=-3.00, Y=5.00

SAR Peak: 1.02W/kg

SAR 10g (W/Kg)	0.323346
SAR 1g (W/Kg)	0.616379



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

Type: Phone measurement

Date of measurement: 10/24/2019

Measurement duration: 22 minutes 26 econds

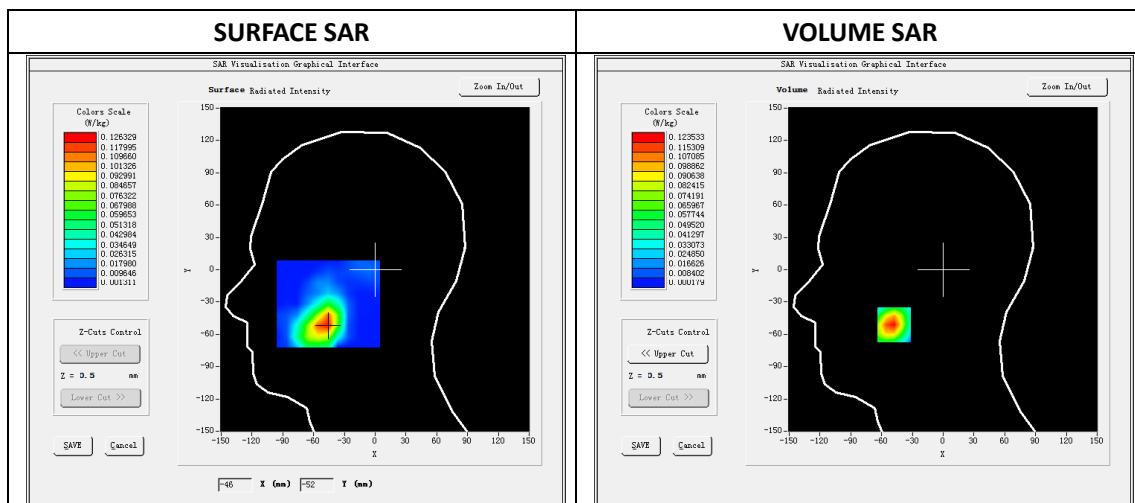
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

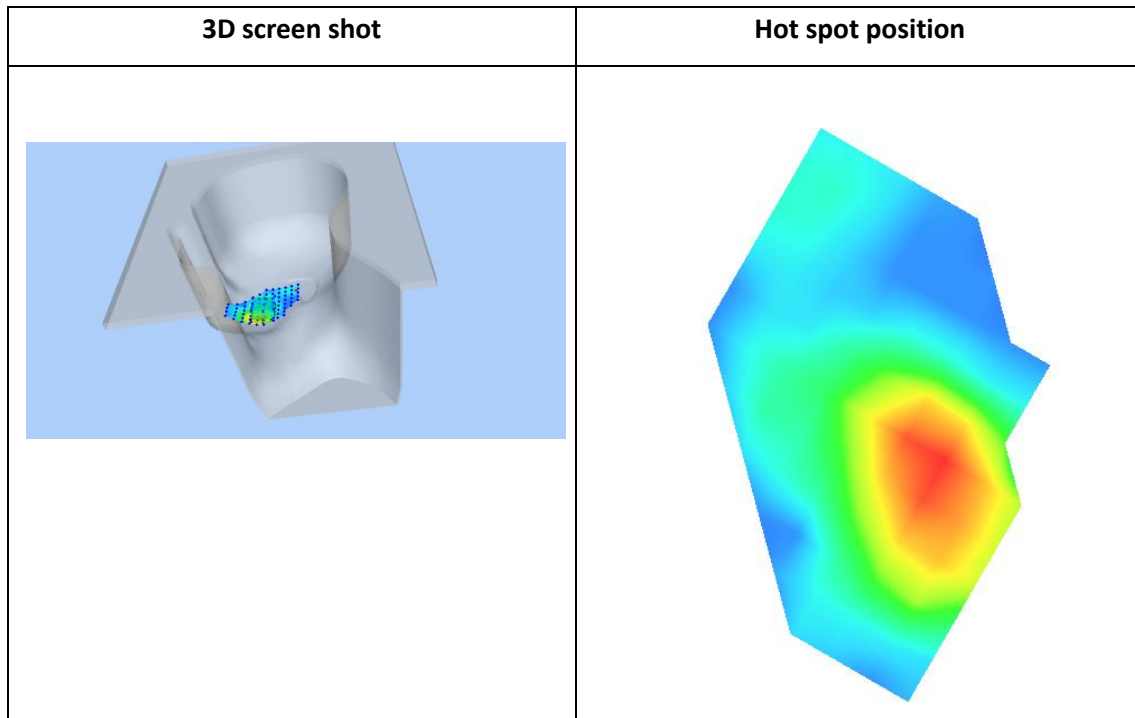
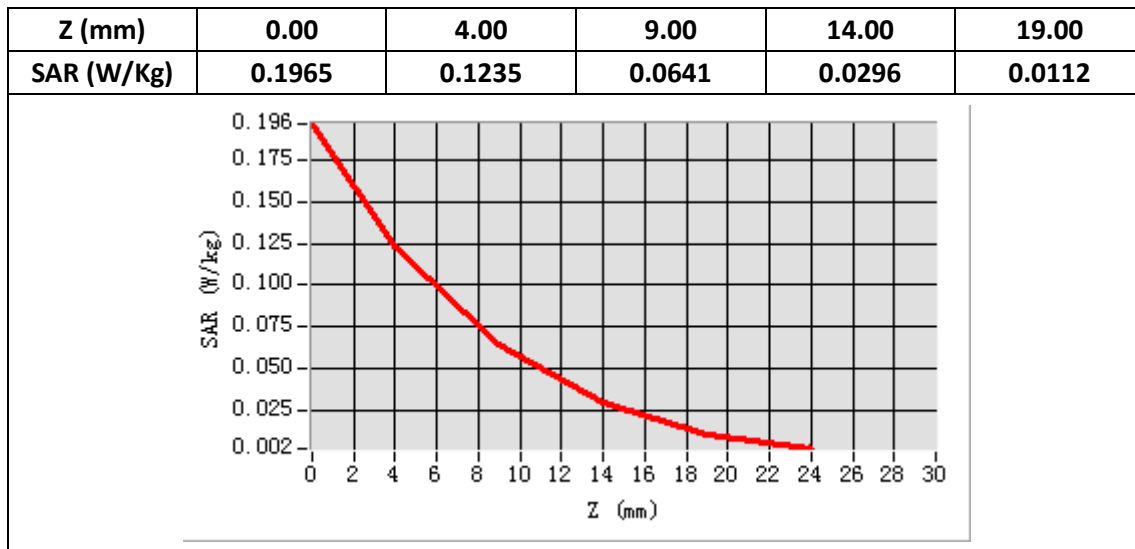
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.5
Relative permittivity (real part)	40.78
Relative permittivity (imaginary part)	14.20
Conductivity (S/m)	1.42
Variation (%)	-3.70
ConvF:	2.14



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

SAR Peak: 0.20 W/kg

SAR 10g (W/Kg)	0.055795
SAR 1g (W/Kg)	0.117278



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

Type: Phone measurement

Date of measurement: 10/24/2019

Measurement duration: 22 minutes 24 seconds

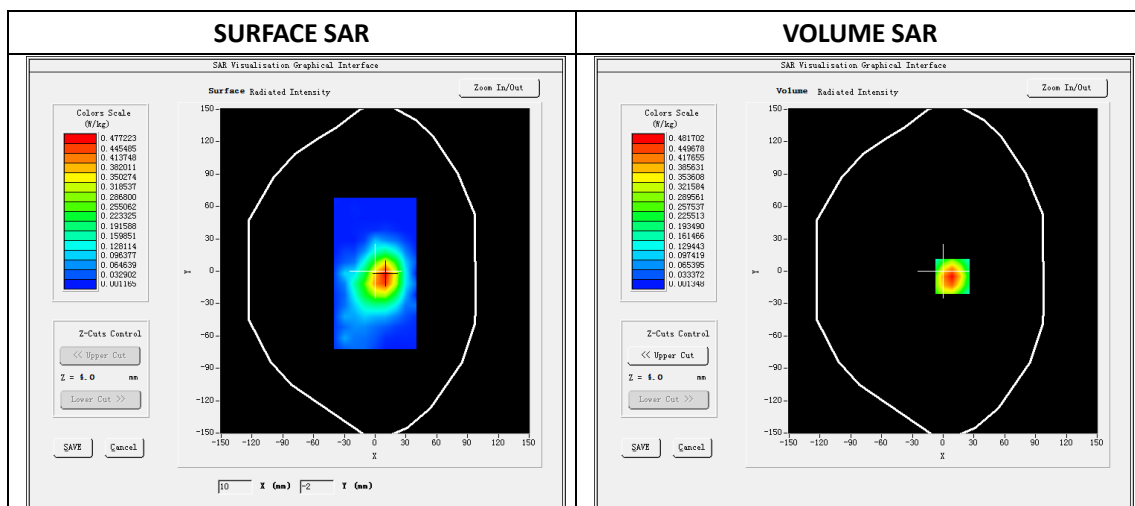
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

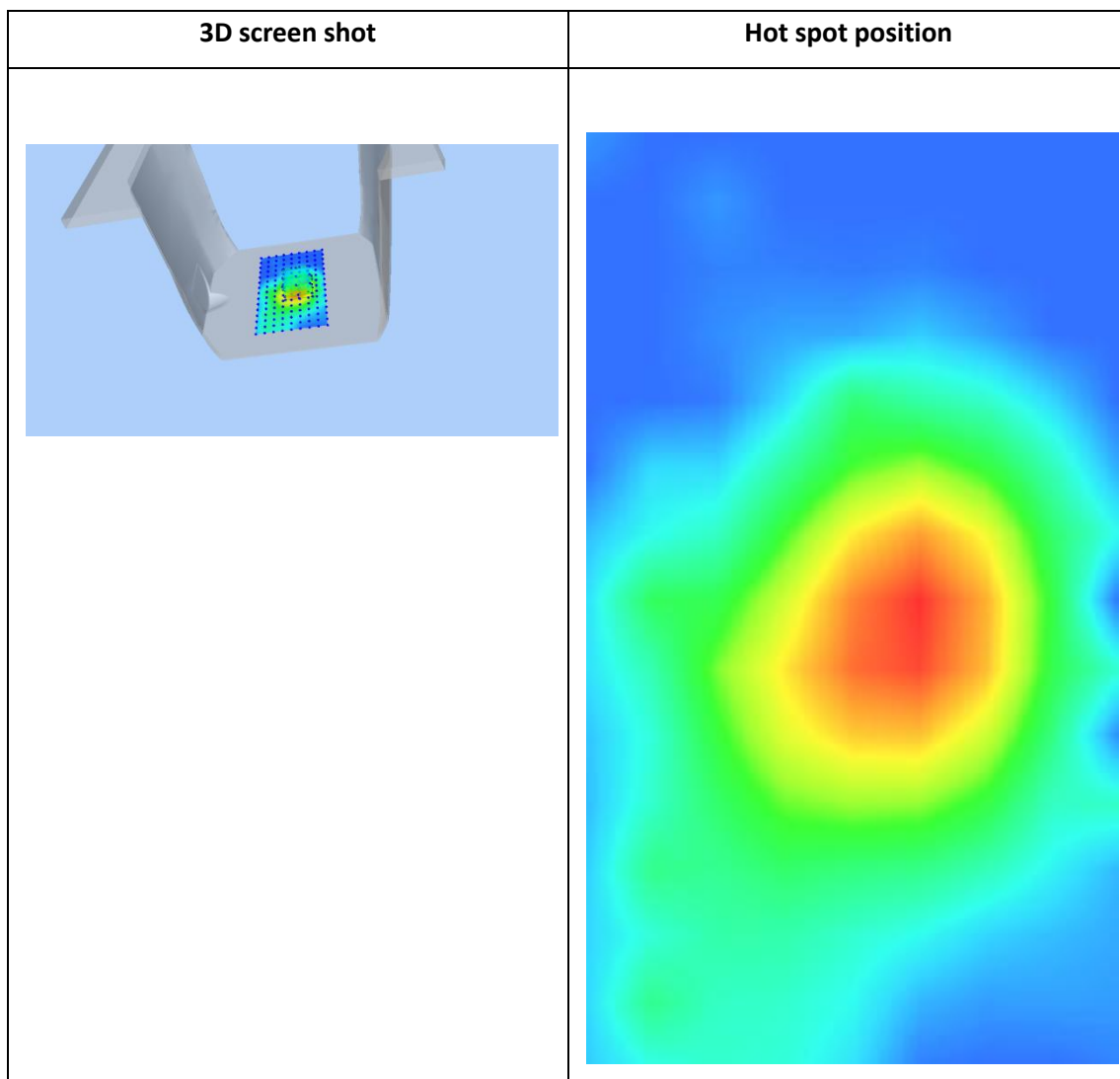
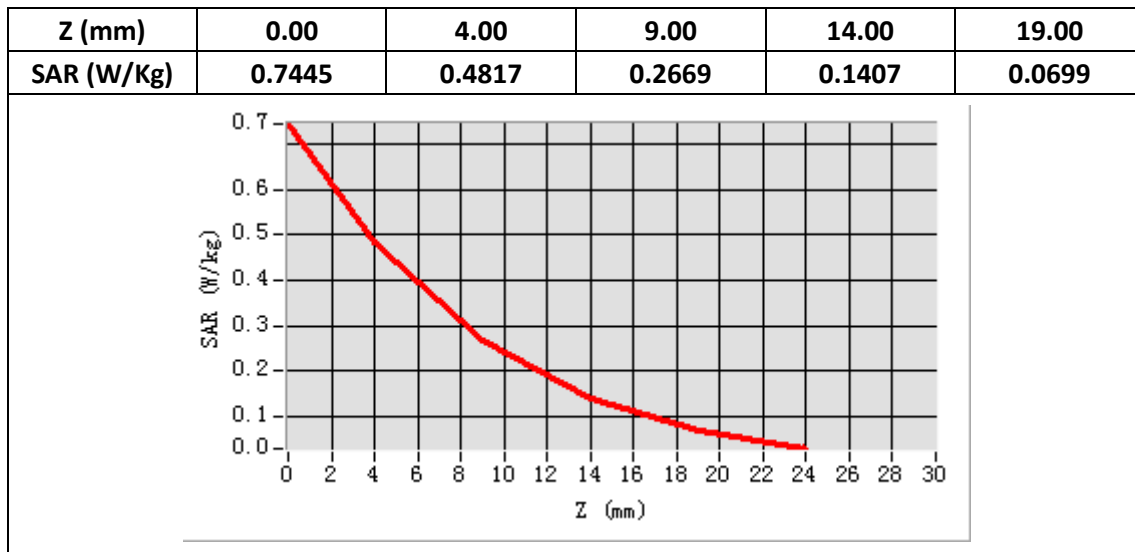
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.5
Relative permittivity (real part)	53.77
Relative permittivity (imaginary part)	15.40
Conductivity (S/m)	1.54
Variation (%)	1.41
ConvF:	2.22



Maximum location: X=9.00, Y=-5.00

SAR Peak: 0.75W/kg

SAR 10g (W/Kg)	0.234055
SAR 1g (W/Kg)	0.448478



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

Type: Phone measurement

Date of measurement: 10/24/2019

Measurement duration: 22 minutes 24 seconds

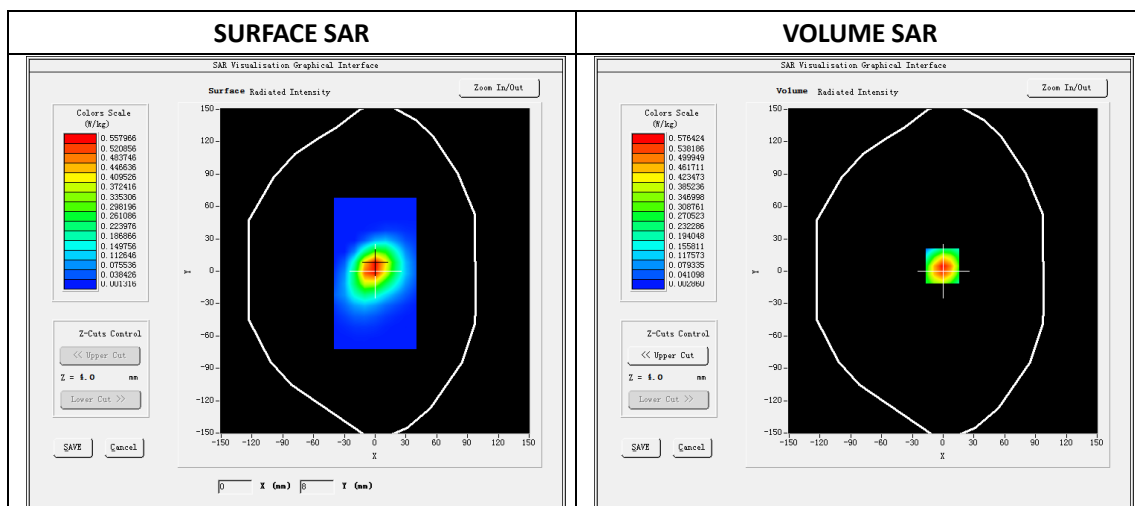
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

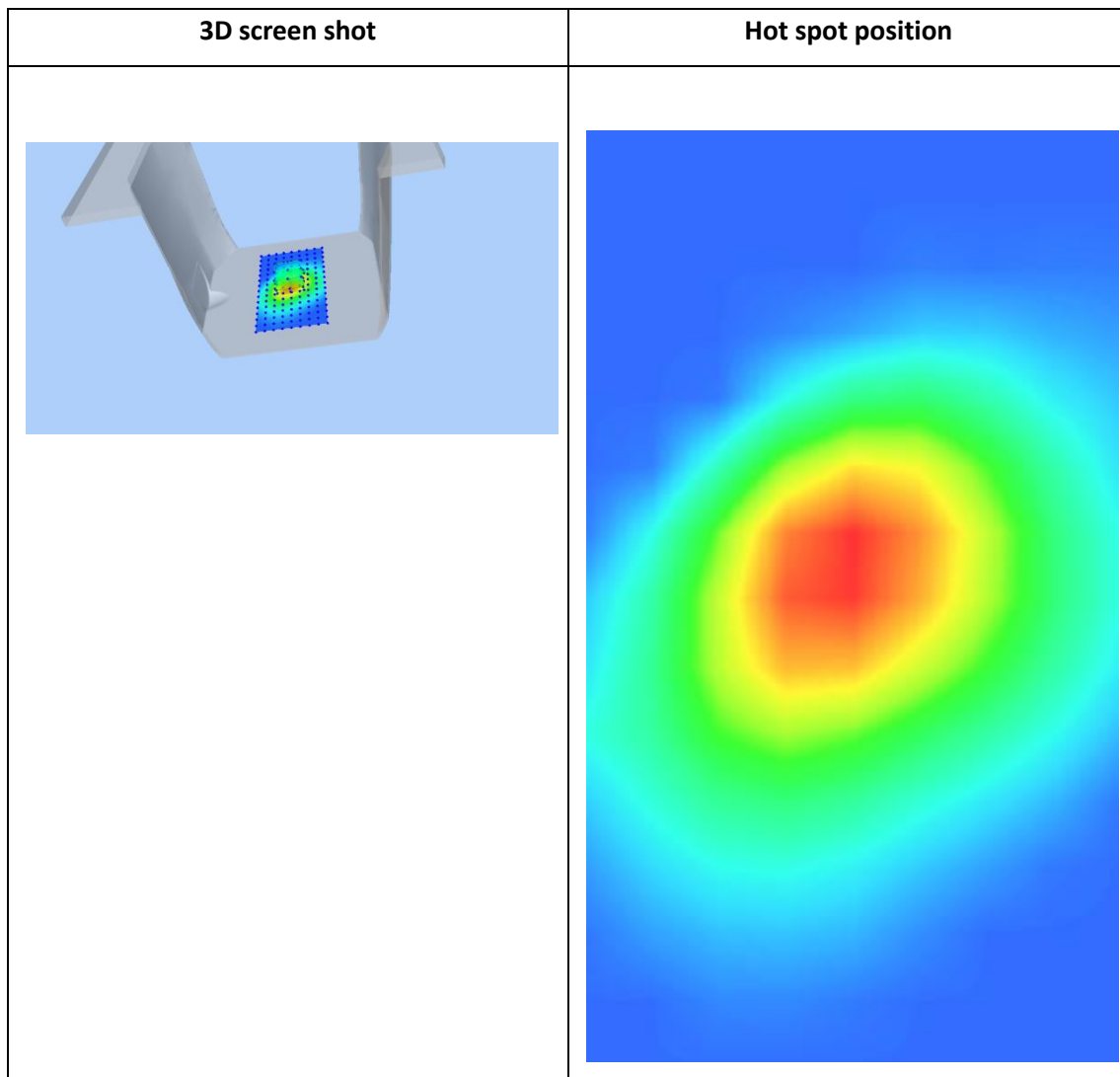
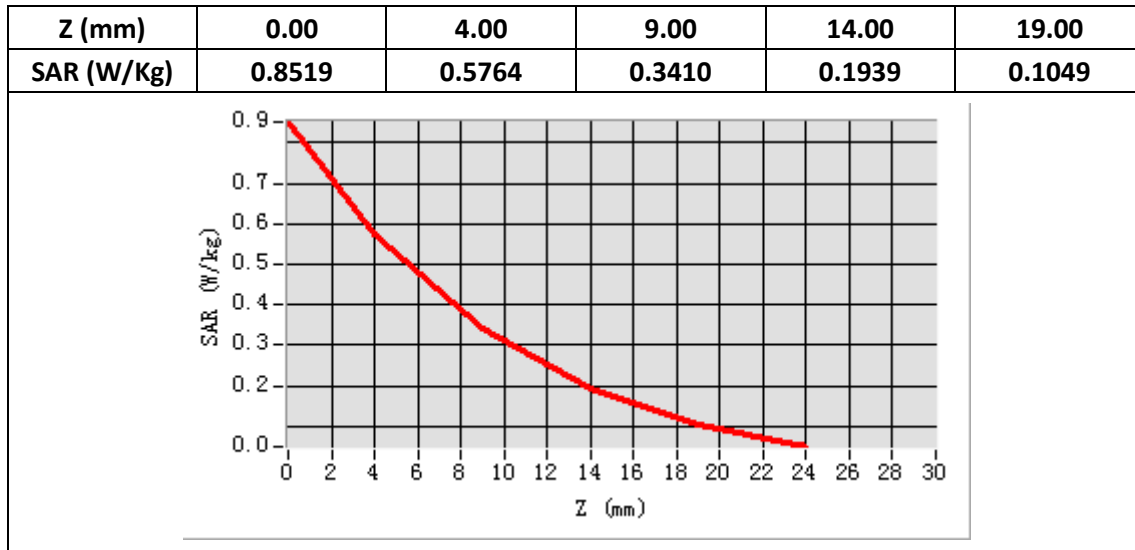
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1732.5
Relative permittivity (real part)	53.77
Relative permittivity (imaginary part)	15.40
Conductivity (S/m)	1.54
Variation (%)	-2.33
ConvF:	2.22



Maximum location: X=-1.00, Y=5.00

SAR Peak: 0.87W/kg

SAR 10g (W/Kg)	0.287872
SAR 1g (W/Kg)	0.538612



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

Type: Phone measurement

Date of measurement: 10/22/2019

Measurement duration: 22 minutes 27 seconds

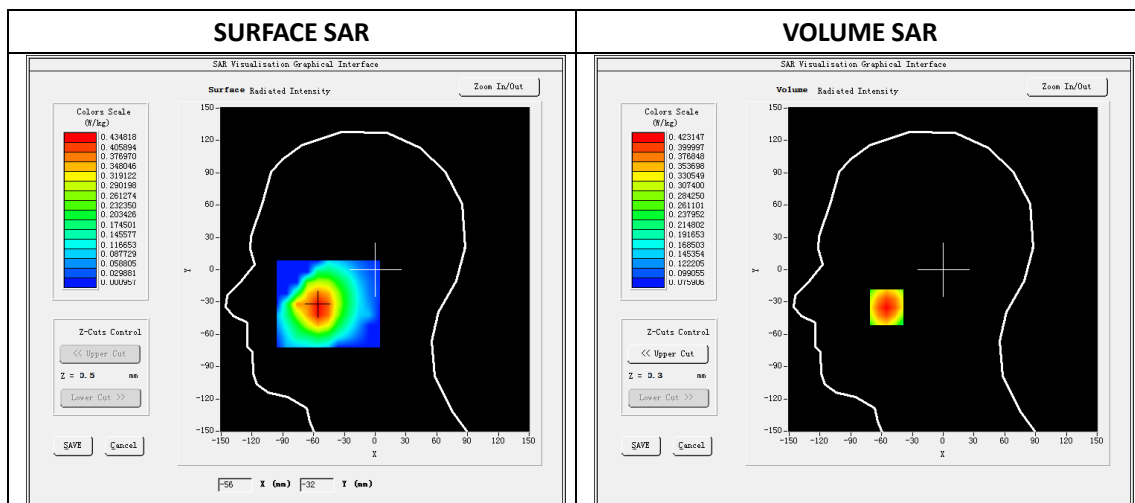
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

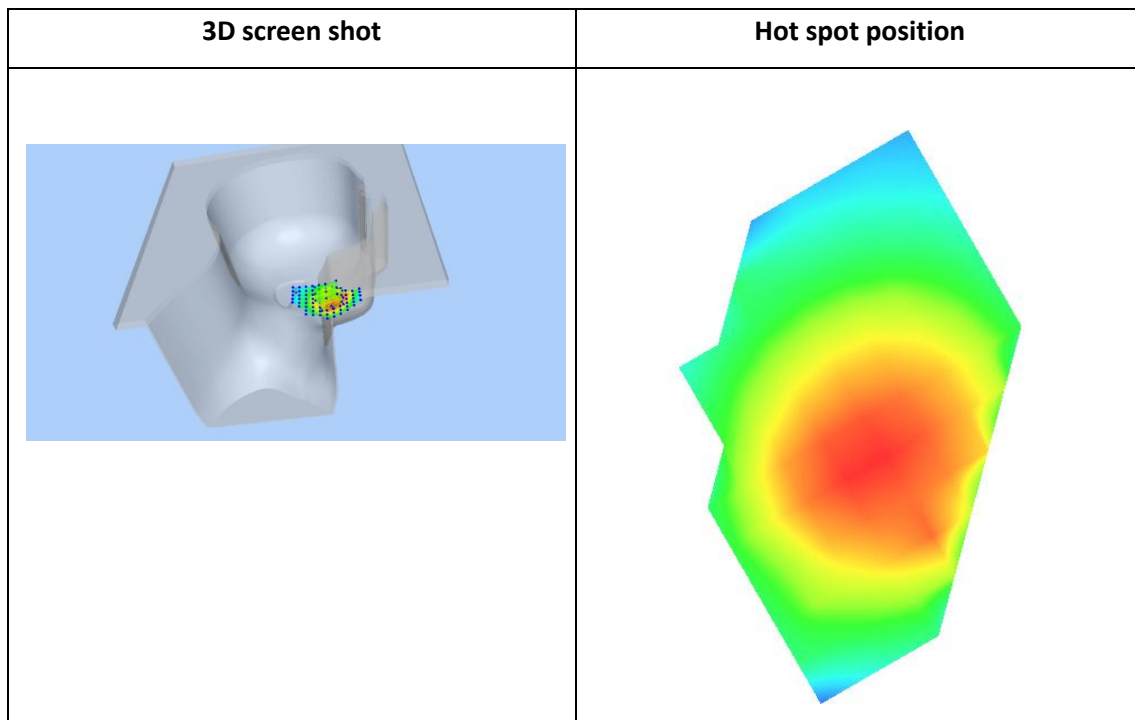
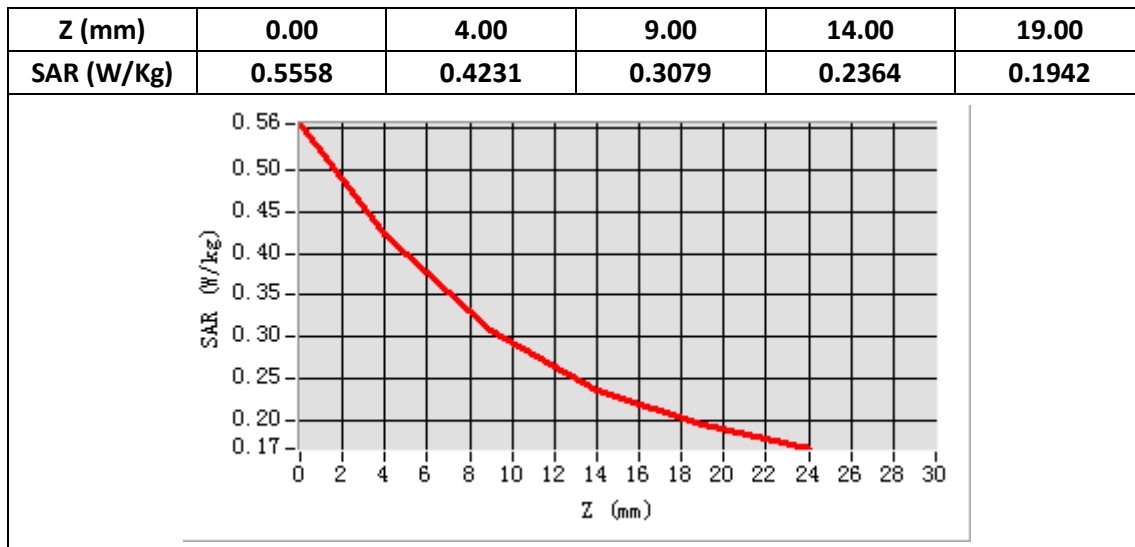
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.5
Relative permittivity (real part)	41.63
Relative permittivity (imaginary part)	20.69
Conductivity (S/m)	0.96
Variation (%)	-4.85
ConvF:	1.92



Maximum location: X=-55.00, Y=-35.00

SAR Peak: 0.56 W/kg

SAR 10g (W/Kg)	0.289818
SAR 1g (W/Kg)	0.405532



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

Type: Phone measurement

Date of measurement: 10/22/2019

Measurement duration: 22 minutes 28 seconds

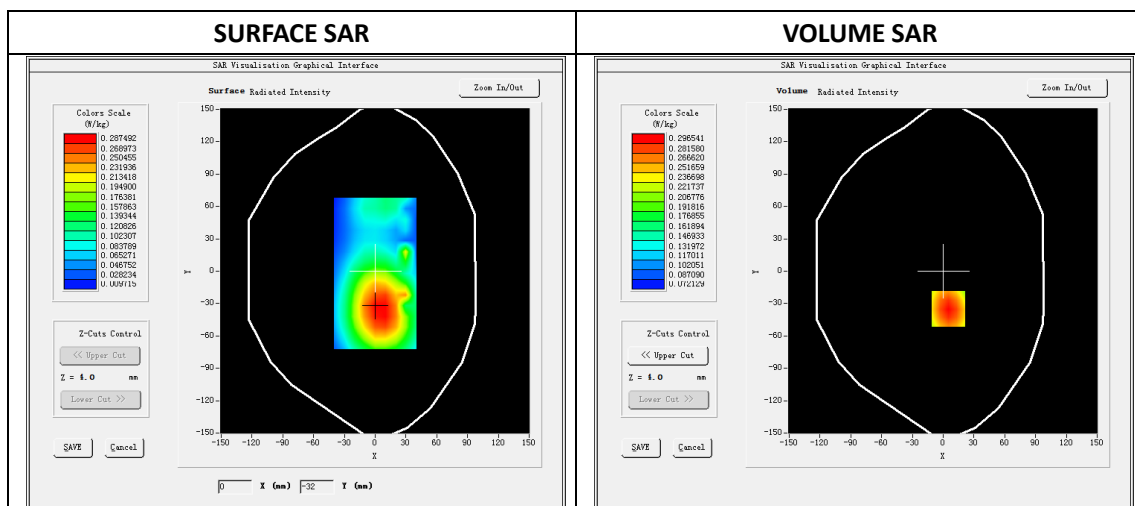
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

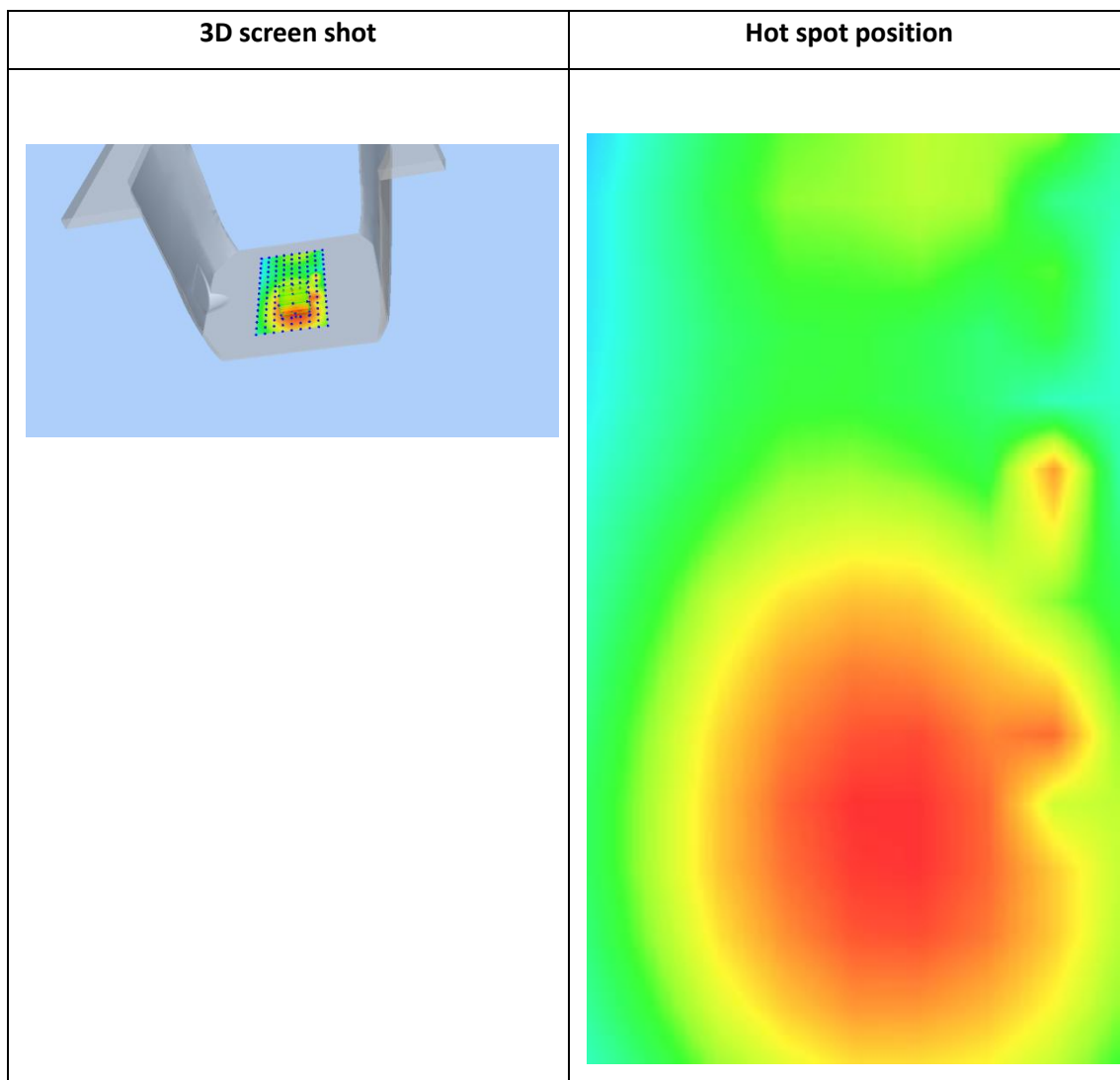
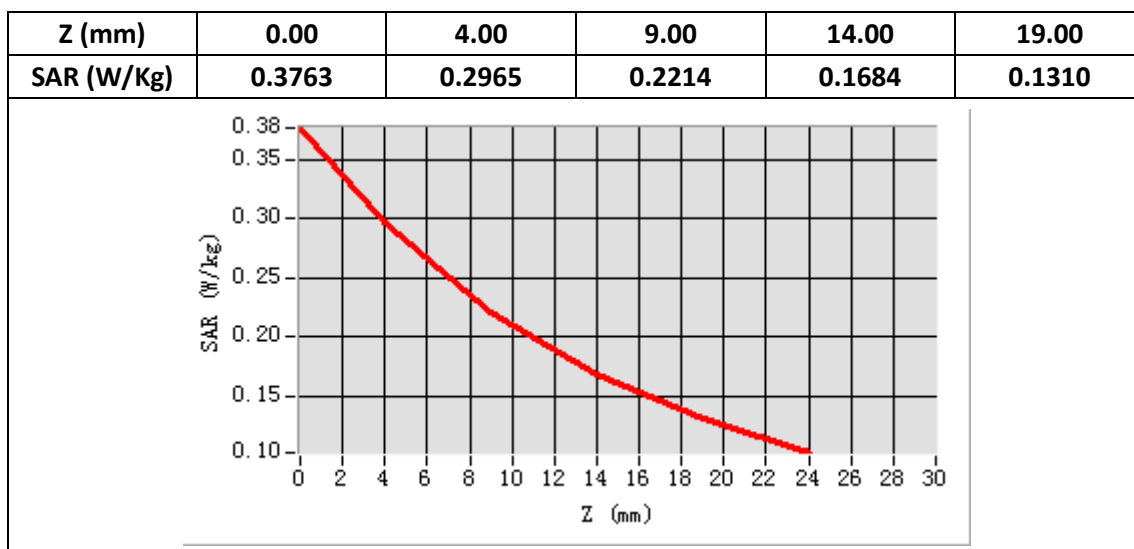
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.5
Relative permittivity (real part)	55.50
Relative permittivity (imaginary part)	20.91
Conductivity (S/m)	0.97
Variation (%)	-1.21
ConvF:	1.99



Maximum location: X=5.00, Y=-35.00

SAR Peak: 0.38W/kg

SAR 10g (W/Kg)	0.209015
SAR 1g (W/Kg)	0.290300



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

Type: Phone measurement

Date of measurement: 10/28/2019

Measurement duration: 22 minutes 29 seconds

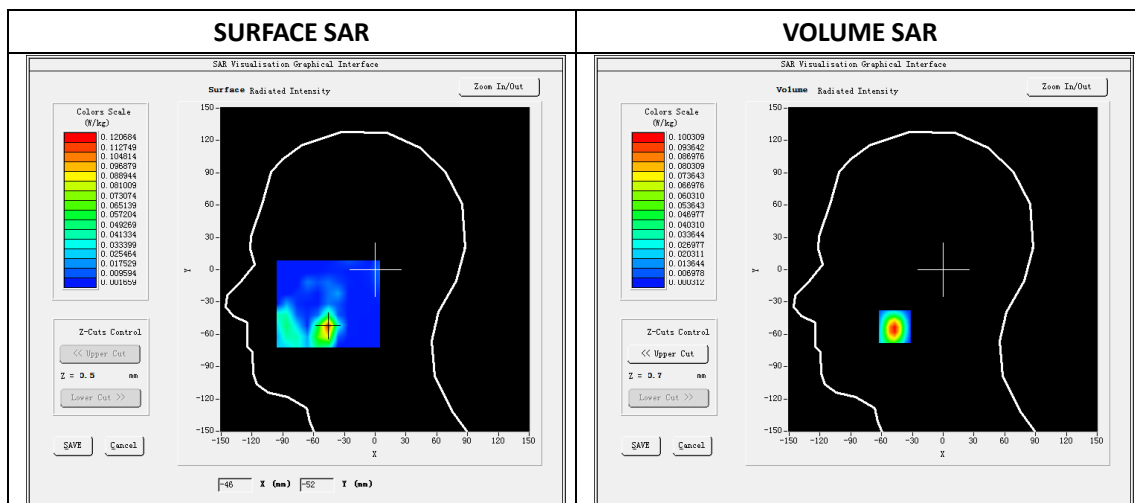
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

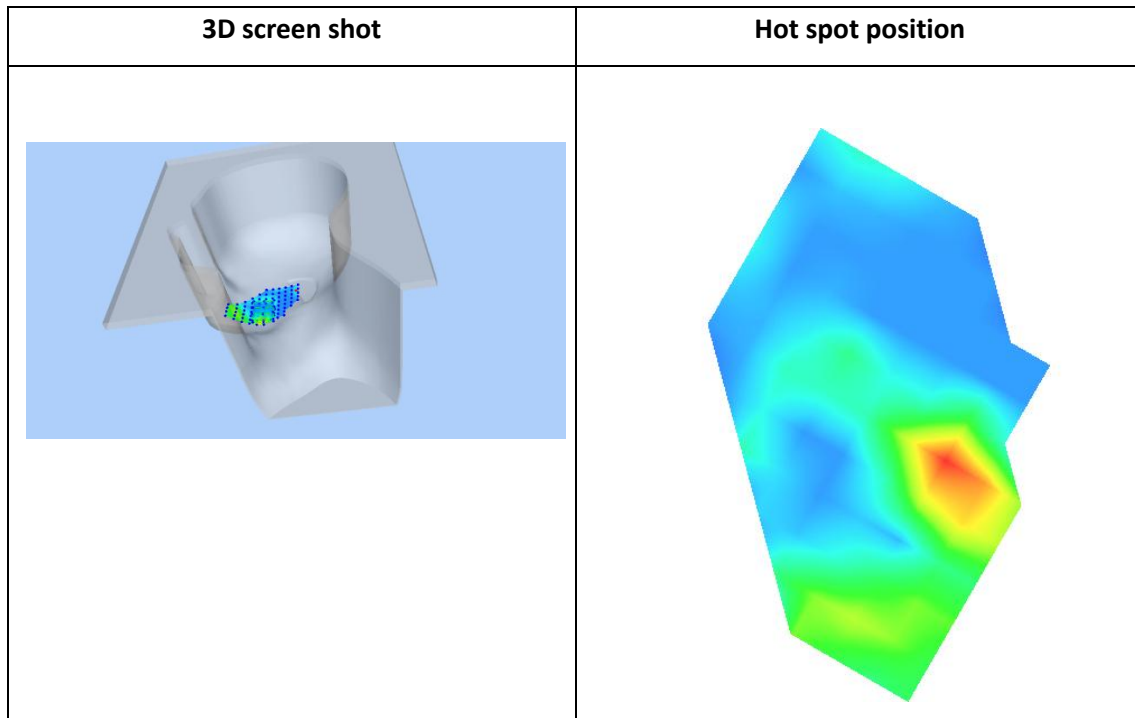
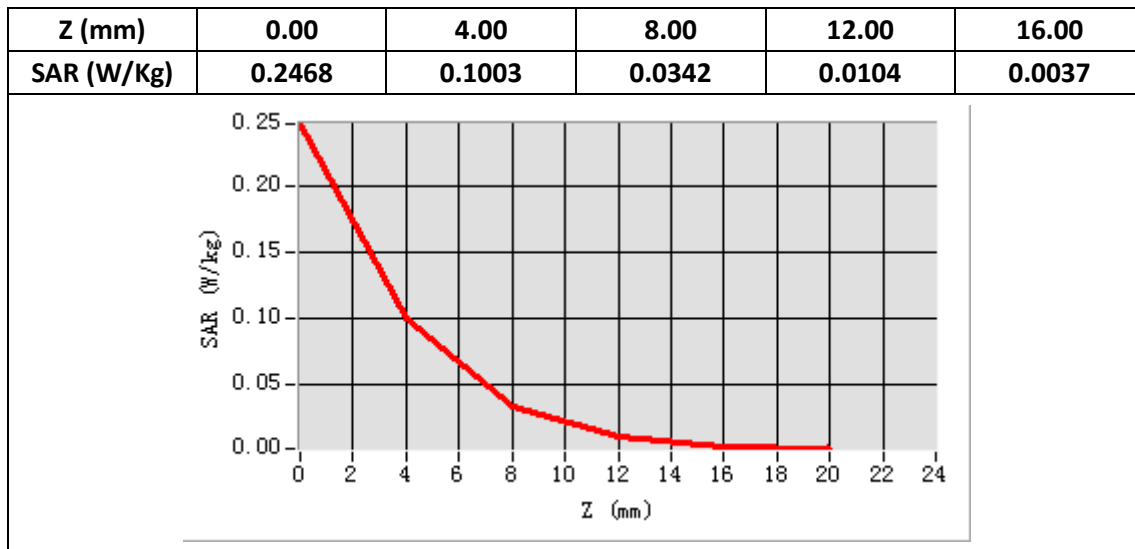
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2560
Relative permittivity (real part)	40.05
Relative permittivity (imaginary part)	13.64
Conductivity (S/m)	1.97
Variation (%)	-2.37
ConvF:	2.35



Maximum location: X=-47.00 Y=-53.00

SAR Peak: 0.25W/kg

SAR 10g (W/Kg)	0.033569
SAR 1g (W/Kg)	0.093562



Plot 22: LTE Band7, 20MHz, Face, Middle,10mm

Type: Phone measurement

Date of measurement: 10/28/2019

Measurement duration: 22 minutes 32 seconds

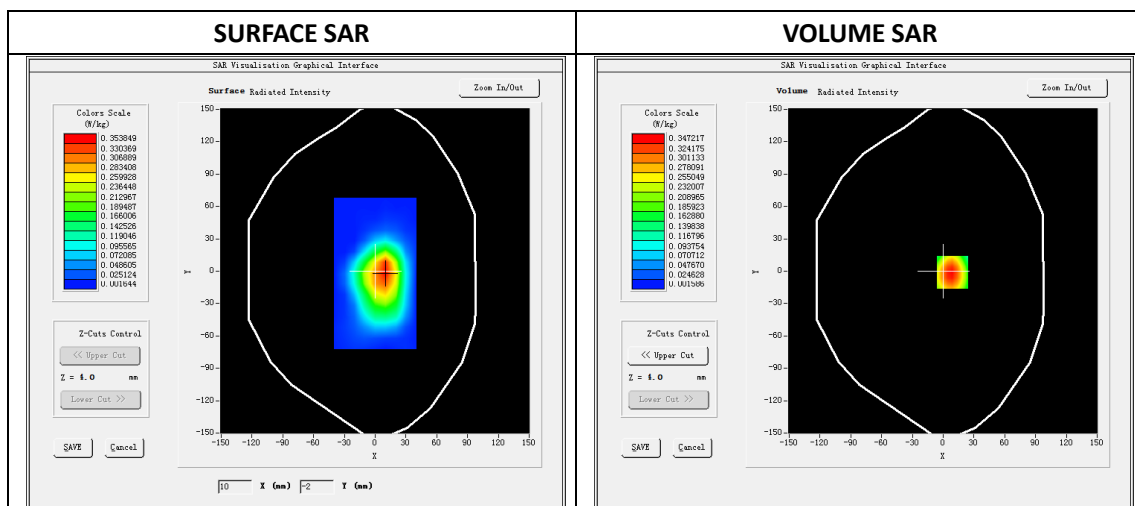
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

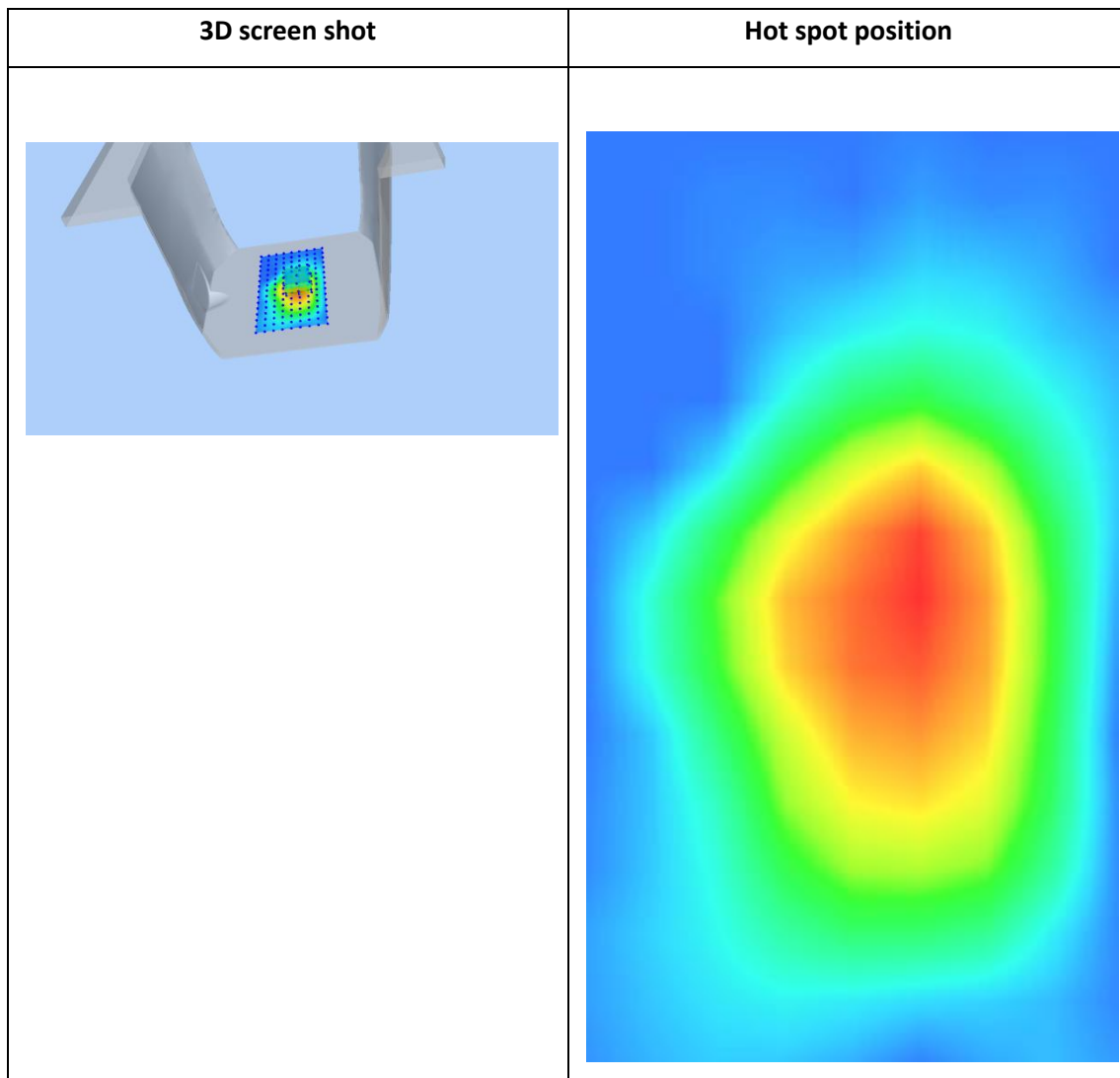
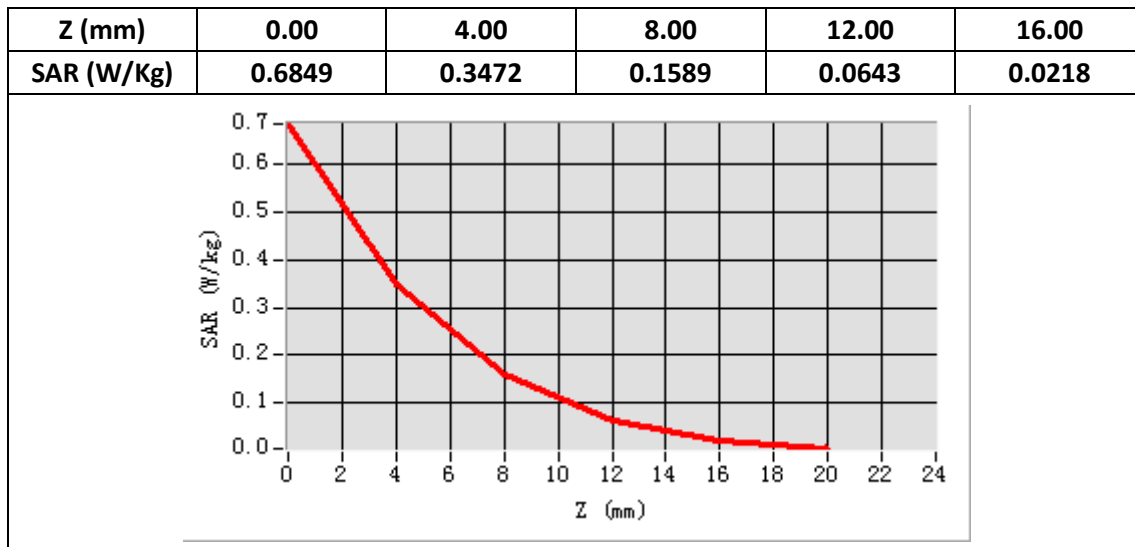
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2560
Relative permittivity (real part)	53.00
Relative permittivity (imaginary part)	14.95
Conductivity (S/m)	2.16
Variation (%)	2.01
ConvF:	2.43



Maximum location: X=9.00 Y=-1.00

SAR Peak: 0.68 W/kg

SAR 10g (W/Kg)	0.152218
SAR 1g (W/Kg)	0.328420



Plot 23: LTE Band7, 20MHz, Edge C, Middle,10mm

Type: Phone measurement

Date of measurement: 10/28/2019

Measurement duration: 22 minutes 32 seconds

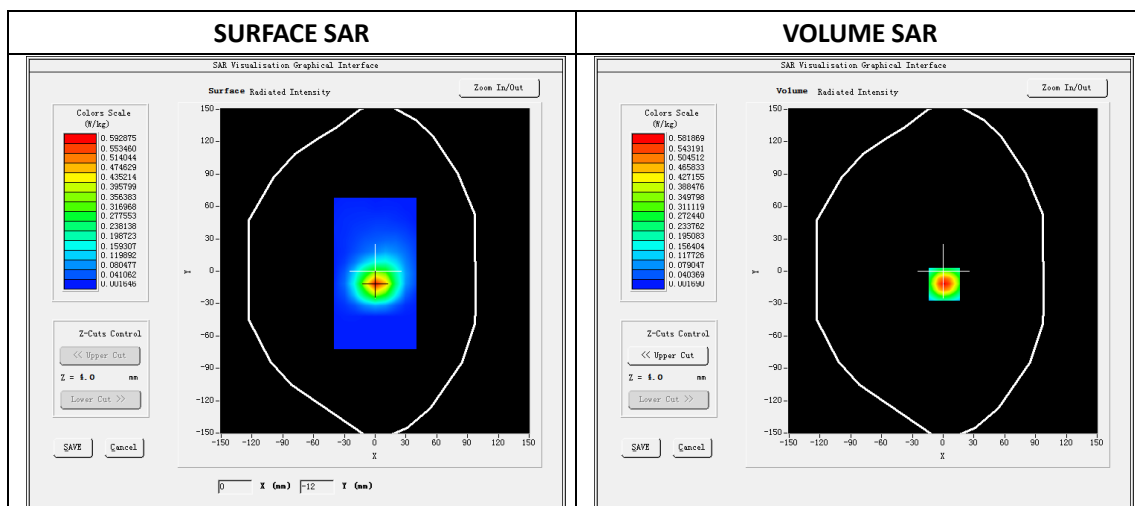
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

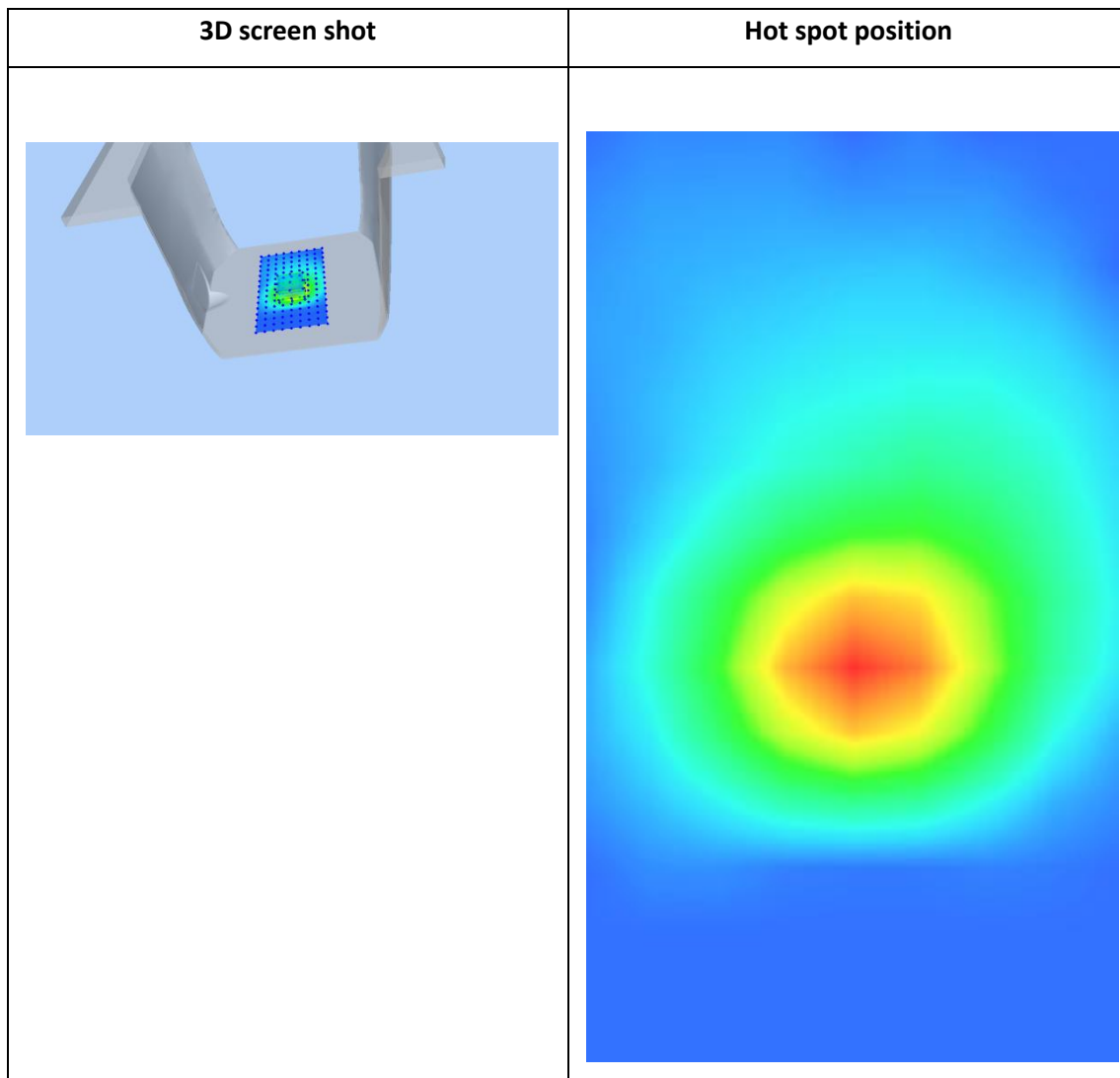
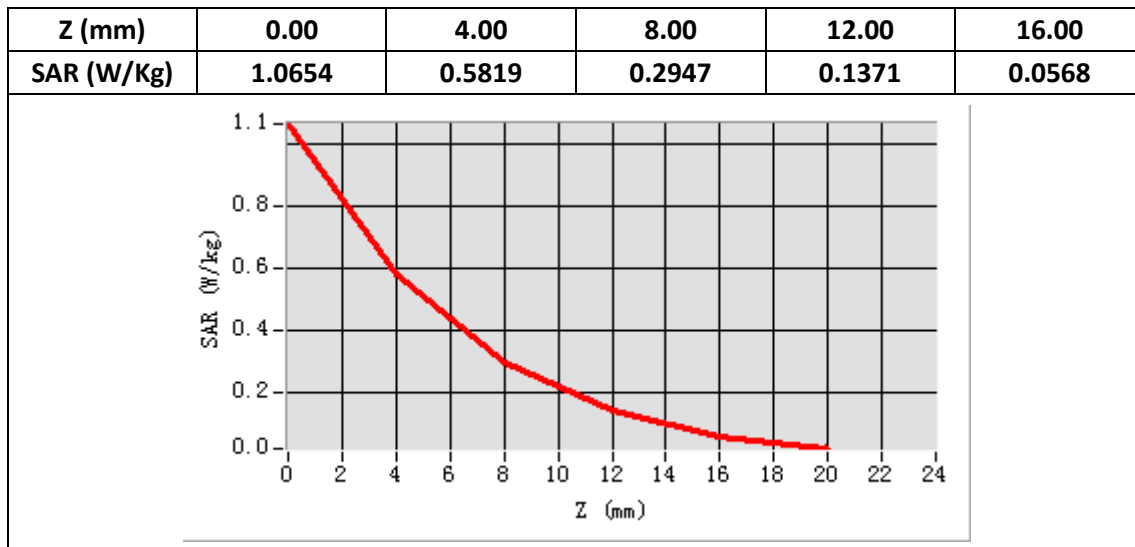
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2560
Relative permittivity (real part)	53.00
Relative permittivity (imaginary part)	14.95
Conductivity (S/m)	2.16
Variation (%)	-4.33
ConvF:	2.43



Maximum location: X=1.00 Y=-12.00

SAR Peak: 1.07 W/kg

SAR 10g (W/Kg)	0.228241
SAR 1g (W/Kg)	0.526273



Plot 24: LTE Band12, 10MHz,Right Cheek, Middle

Type: Phone measurement

Date of measurement: 10/21/2019

Measurement duration: 22 minutes 31 seconds

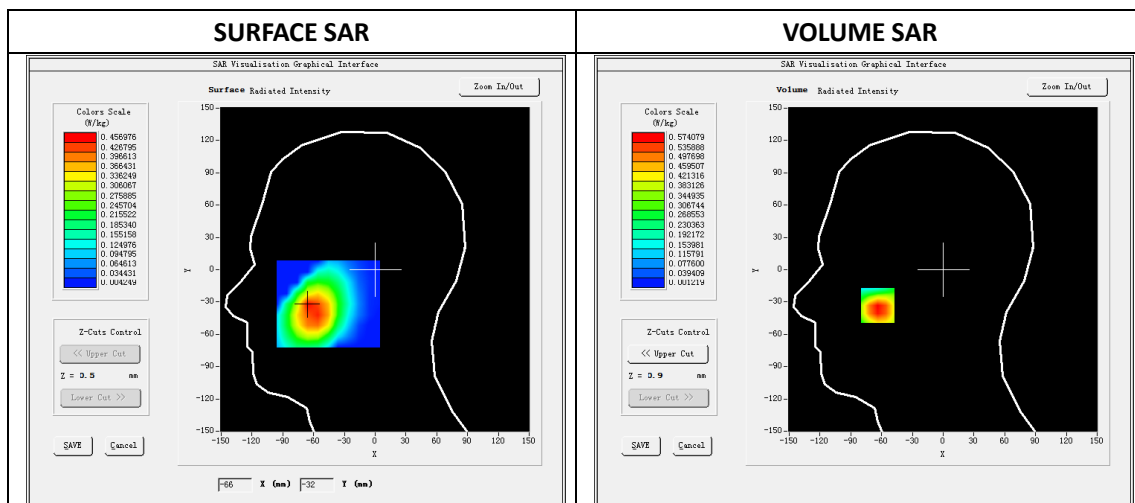
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

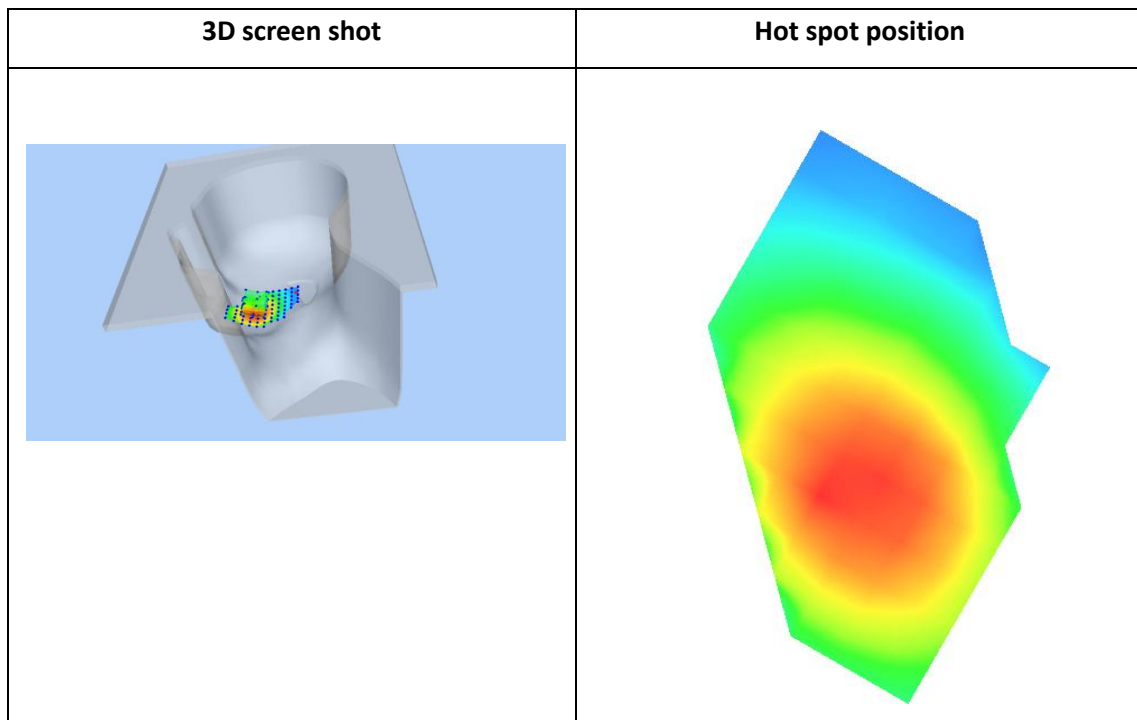
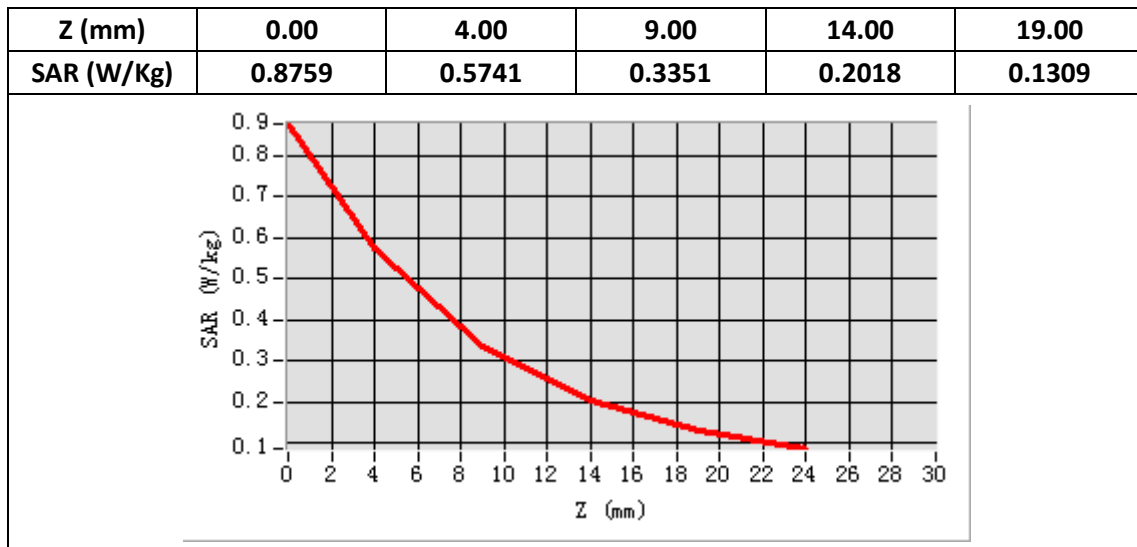
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	707.5
Relative permittivity (real part)	41.91
Relative permittivity (imaginary part)	22.08
Conductivity (S/m)	0.92
Variation (%)	-3.12
ConvF:	1.87



Maximum location: X=-64.00, Y=-33.00

SAR Peak: 0.92 W/kg

SAR 10g (W/Kg)	0.334104
SAR 1g (W/Kg)	0.569585



Plot 25: LTE Band12, 10MHz, Face, Middle,10mm

Type: Phone measurement

Date of measurement: 10/21/2019

Measurement duration: 22 minutes 33 seconds

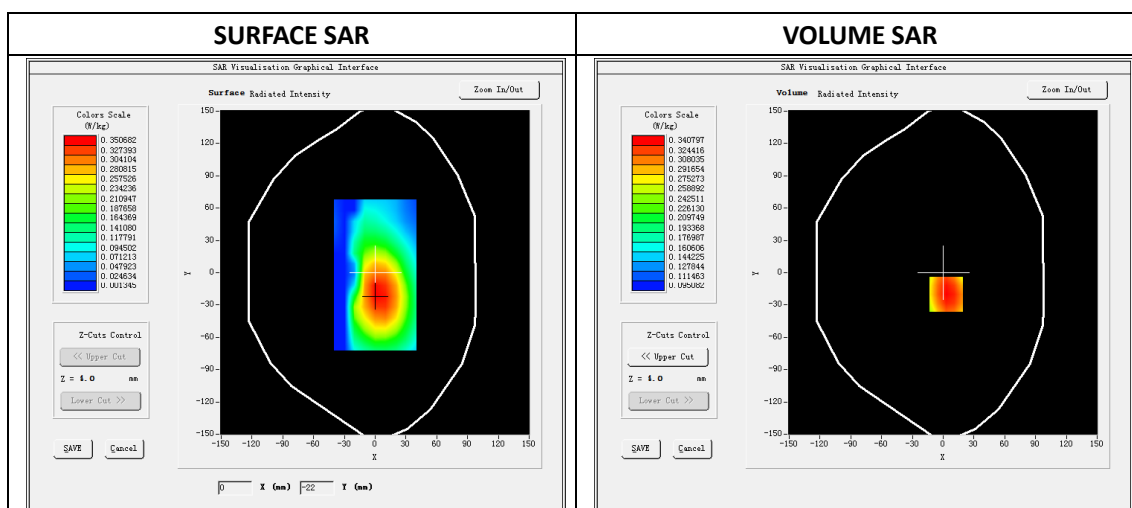
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

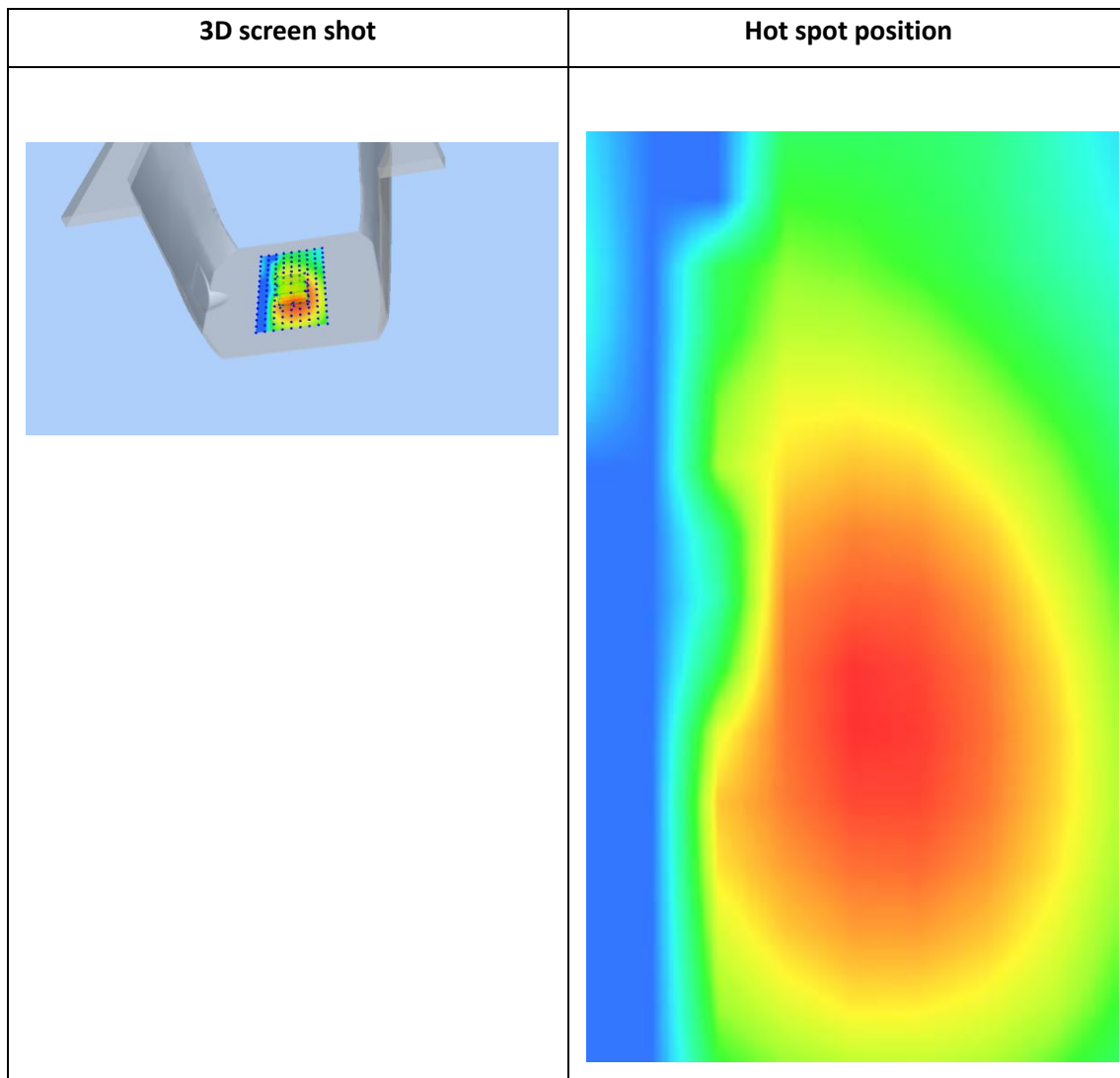
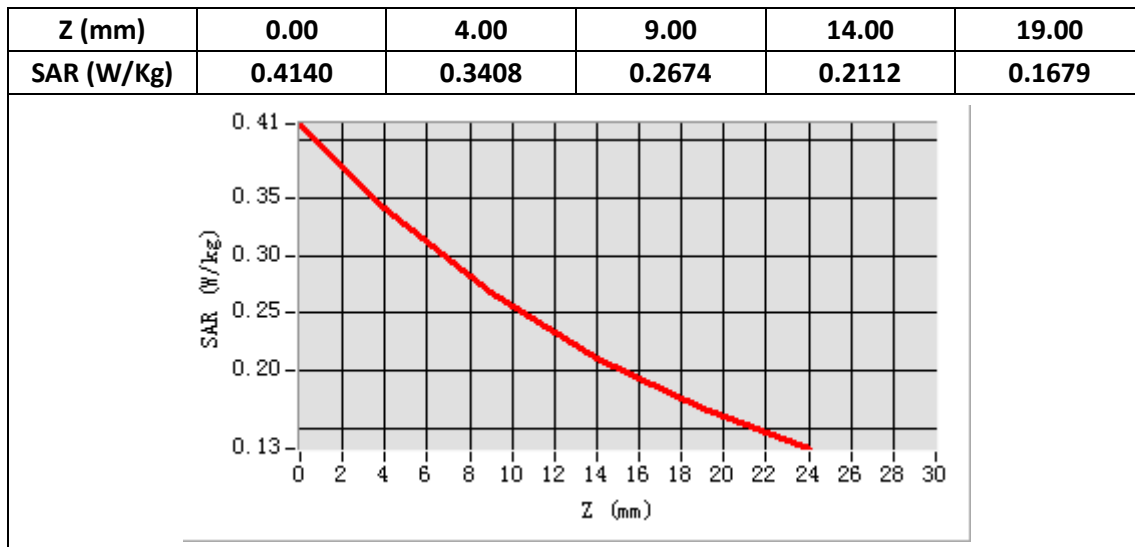
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	707.5
Relative permittivity (real part)	55.72
Relative permittivity (imaginary part)	23.76
Conductivity (S/m)	0.99
Variation (%)	-1.59
ConvF:	1.93



Maximum location: X=3.00, Y=-20.00

SAR Peak: 0.42W/kg

SAR 10g (W/Kg)	0.252155
SAR 1g (W/Kg)	0.336824



Plot 26: LTE Band17, 10MHz,Left Check, Middle

Type: Phone measurement

Date of measurement: 10/21/2019

Measurement duration: 22 minutes 38 seconds

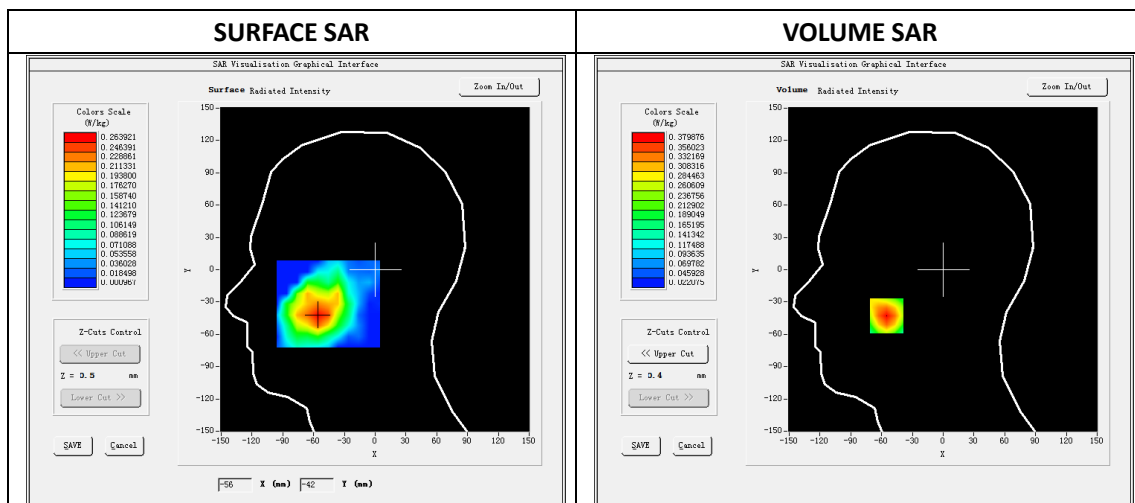
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

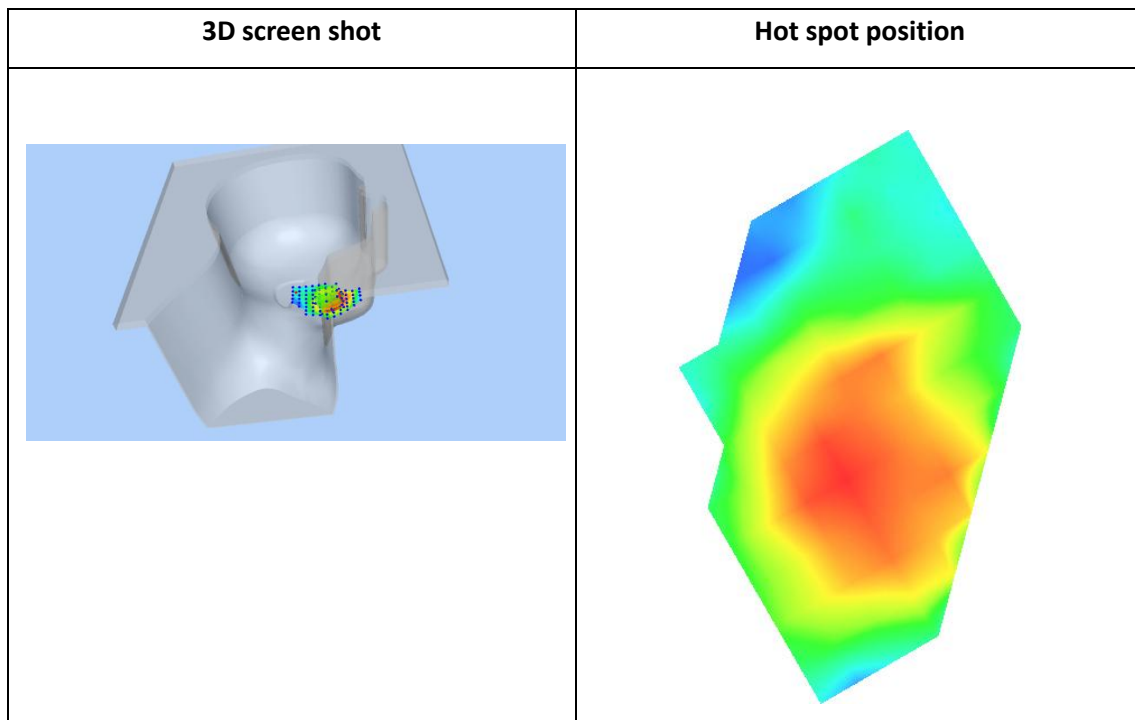
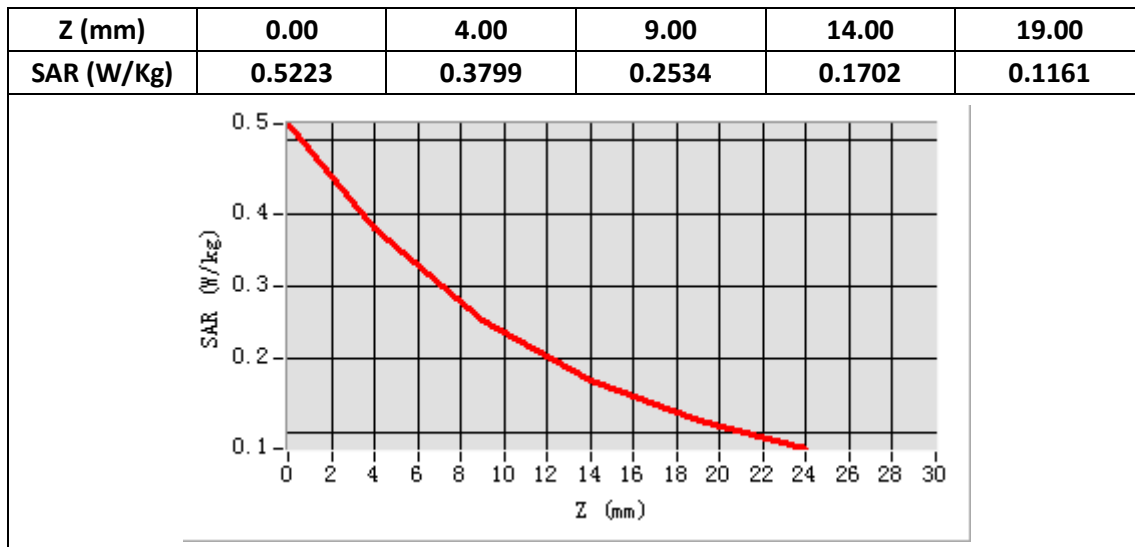
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	710
Relative permittivity (real part)	41.91
Relative permittivity (imaginary part)	22.08
Conductivity (S/m)	0.92
Variation (%)	-4.86
ConvF:	1.87



Maximum location: X=-55.00, Y=-43.00

SAR Peak: 0.55 W/kg

SAR 10g (W/Kg)	0.251372
SAR 1g (W/Kg)	0.369207



Plot 27: LTE Band17, 10MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 10/21/2019

Measurement duration: 22 minutes 39 seconds

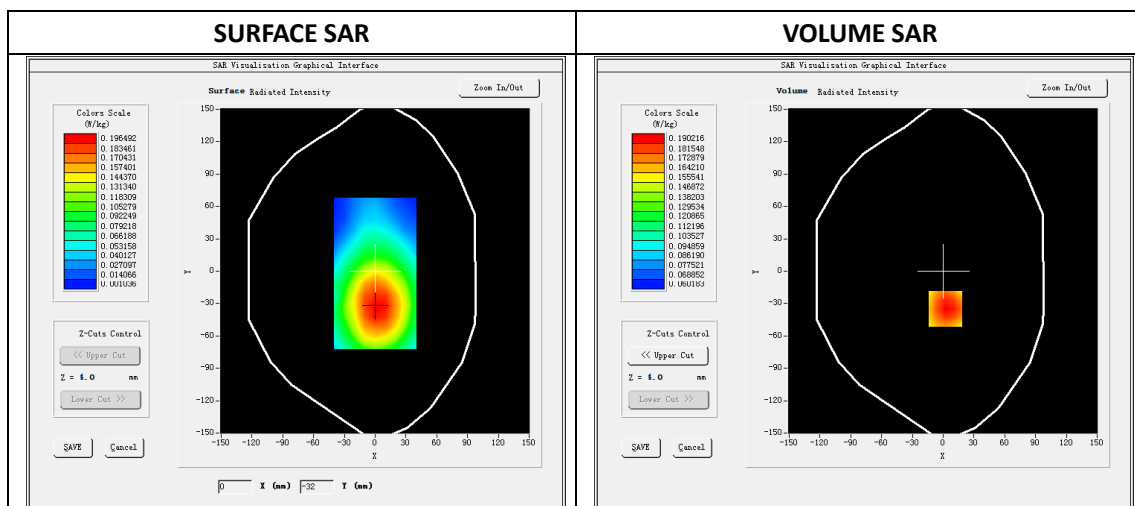
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

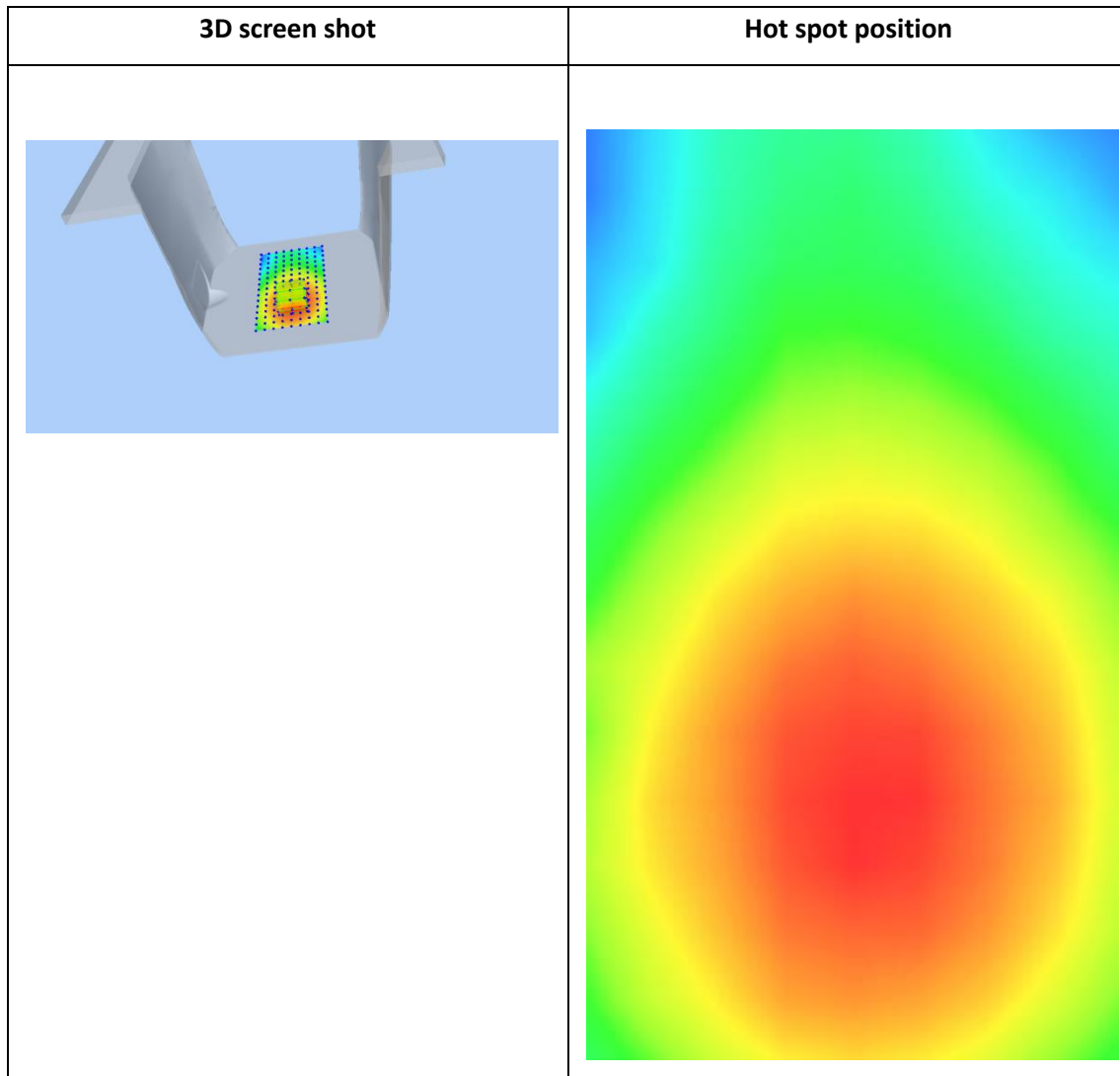
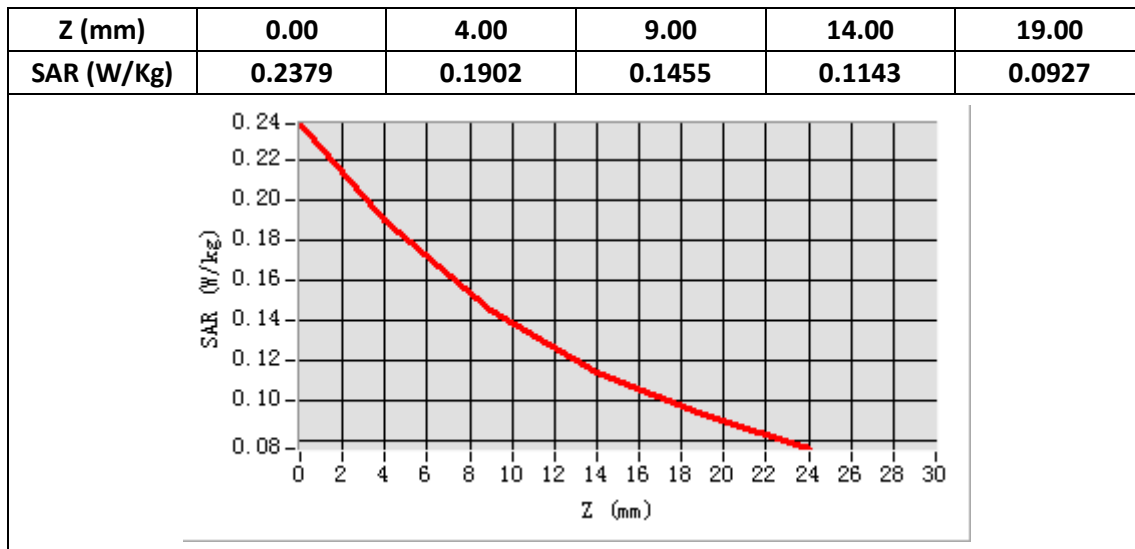
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	710
Relative permittivity (real part)	55.72
Relative permittivity (imaginary part)	23.76
Conductivity (S/m)	0.99
Variation (%)	-2.61
ConvF:	1.93



Maximum location: X=2.00, Y=-35.00

SAR Peak: 0.24W/kg

SAR 10g (W/Kg)	0.138743
SAR 1g (W/Kg)	0.184464



Plot 28: LTE Band41, 20MHz,Right Cheek, Middle

Type: Phone measurement

Date of measurement: 10/28/2019

Measurement duration: 22 minutes 37 seconds

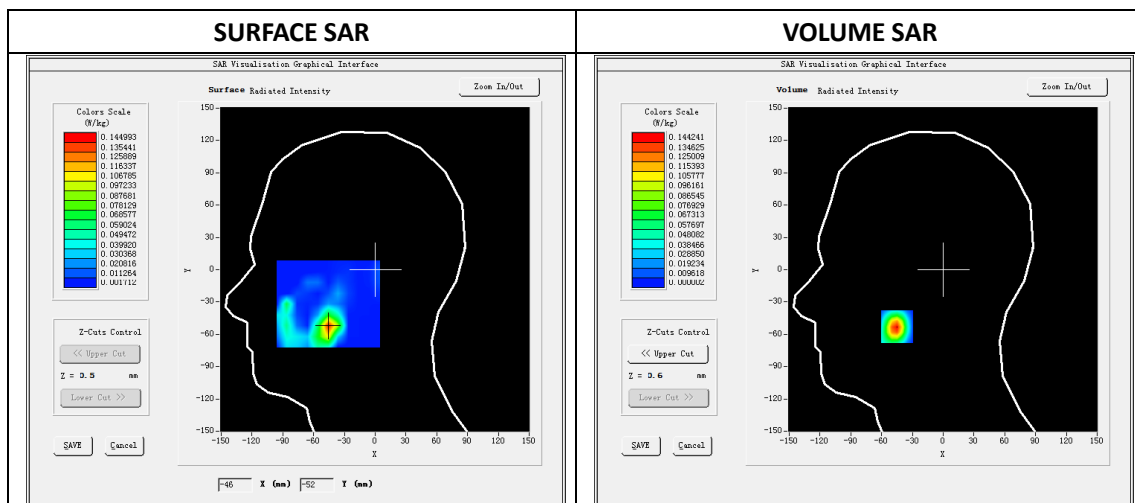
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Cheek
Band	LTE Band 41
Channels	40390
Signal	LTE (Duty cycle: 63.33%)

B. SAR Measurement Results

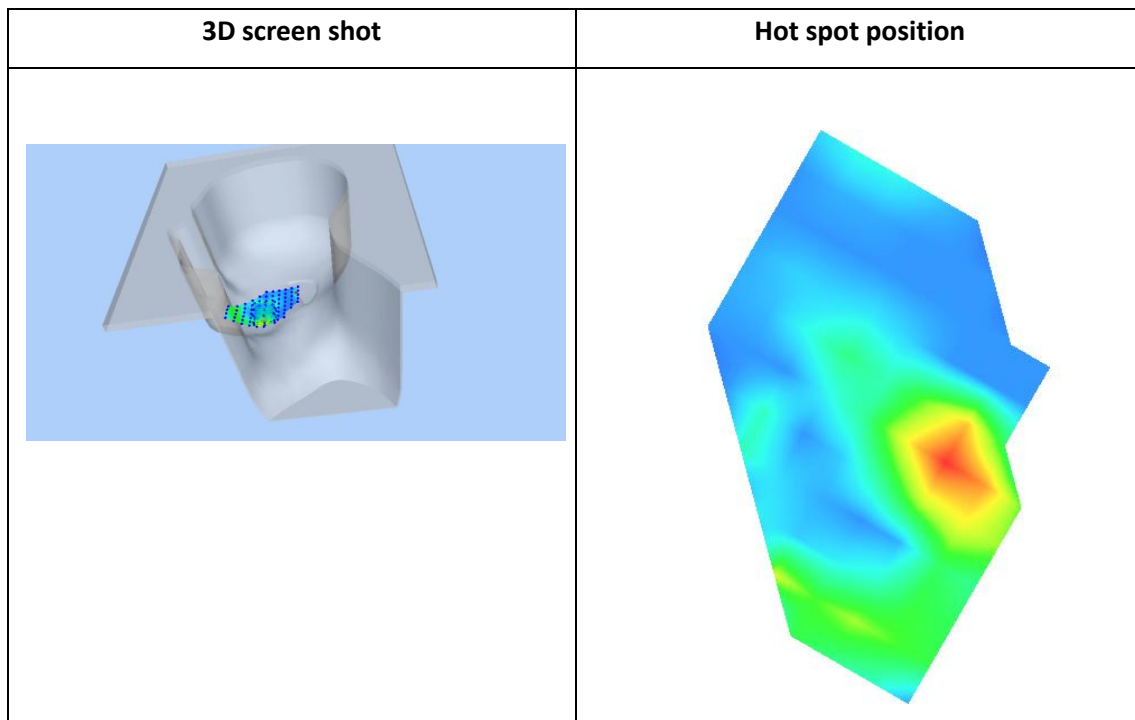
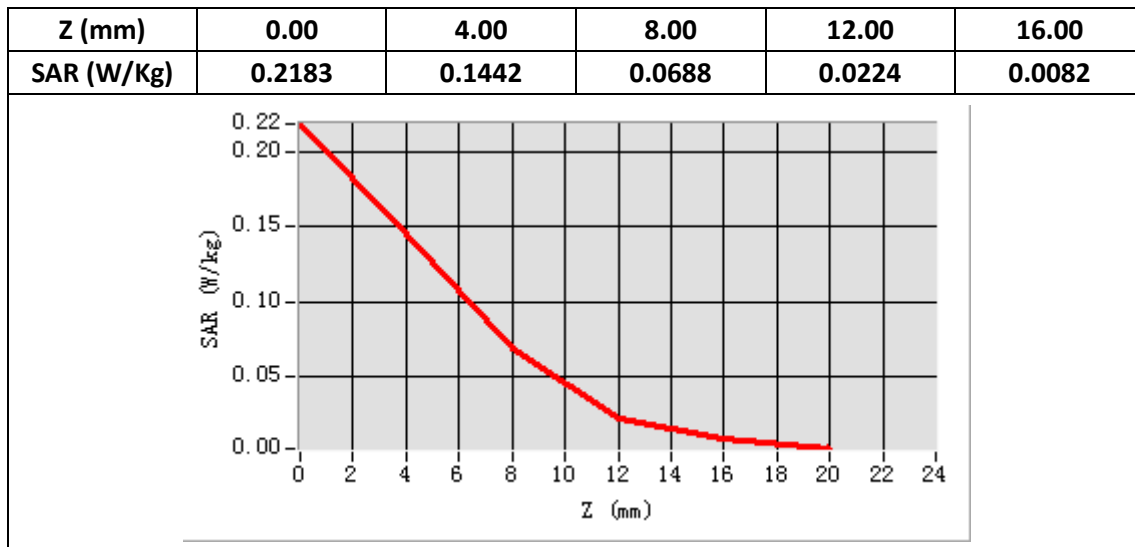
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2570
Relative permittivity (real part)	40.05
Relative permittivity (imaginary part)	13.64
Conductivity (S/m)	1.97
Variation (%)	-4.38
ConvF:	2.35



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

SAR Peak: 0.28W/kg

SAR 10g (W/Kg)	0.048607
SAR 1g (W/Kg)	0.129183



Plot 29: LTE Band41, 20MHz, Face, Middle,10mm

Type: Phone measurement

Date of measurement: 10/28/2019

Measurement duration: 22 minutes 40 seconds

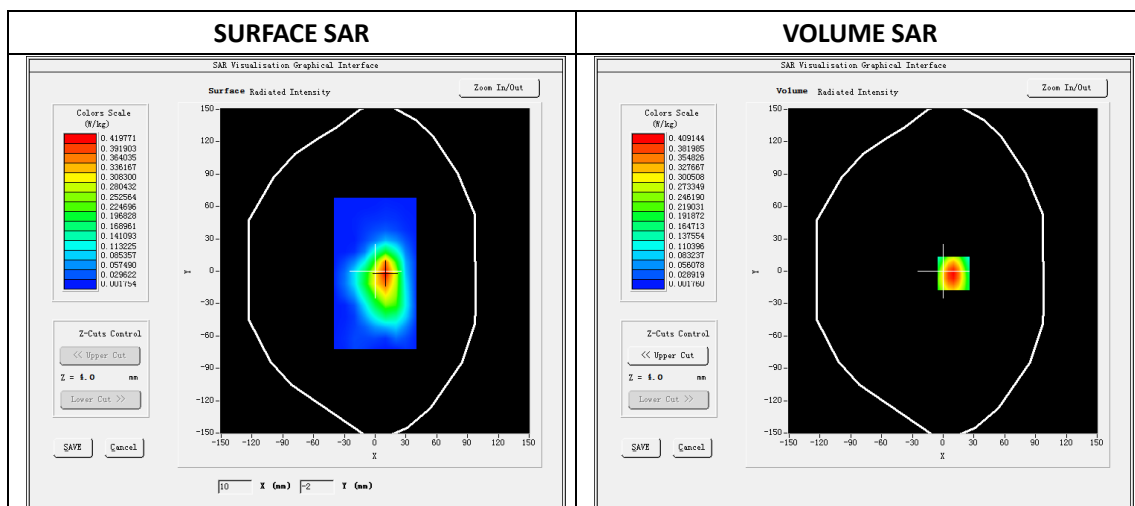
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Face
Band	LTE Band 41
Channels	40390
Signal	LTE (Duty cycle: 63.33%)

B. SAR Measurement Results

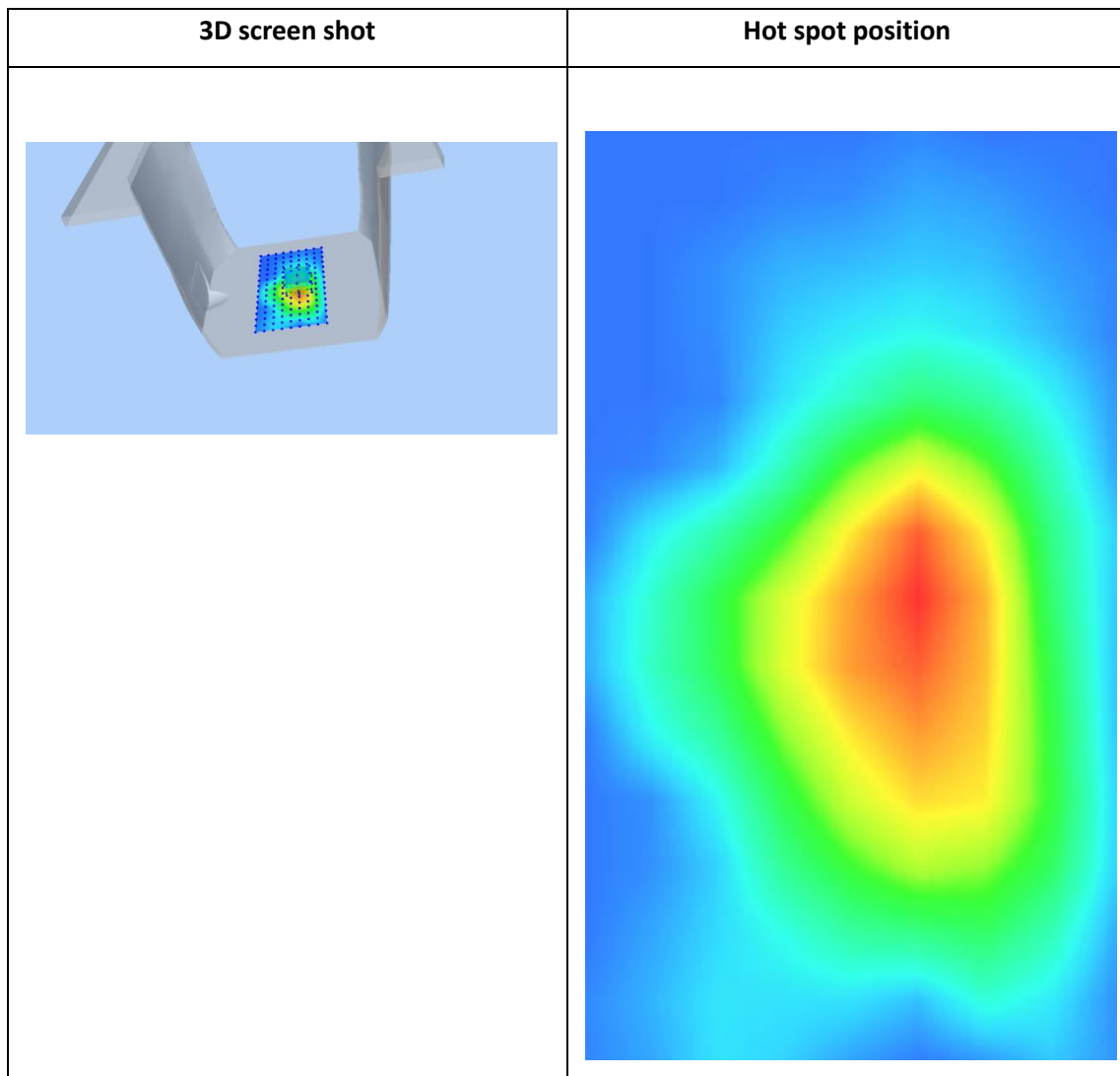
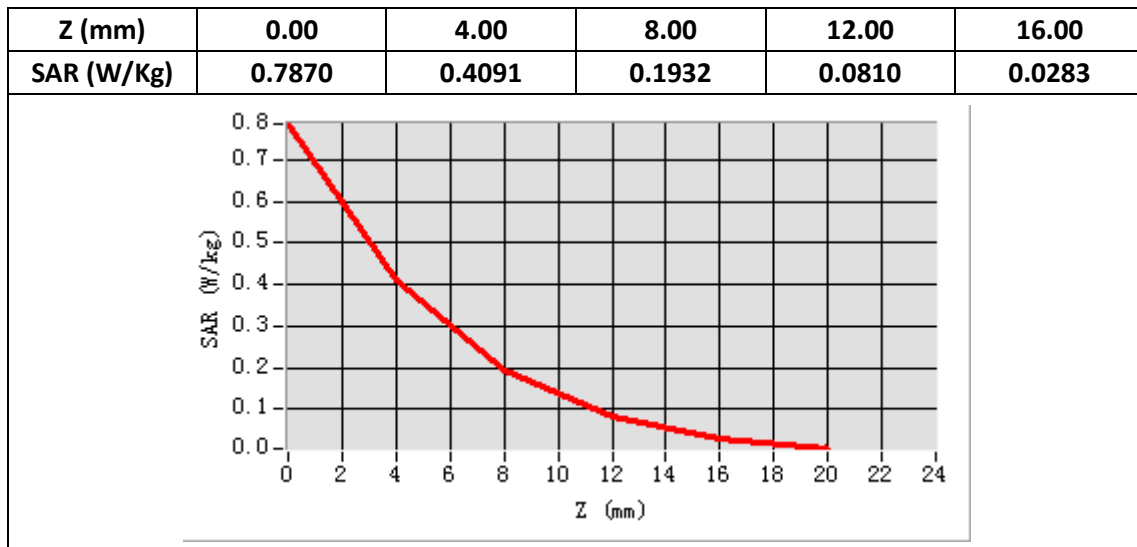
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2570
Relative permittivity (real part)	53.00
Relative permittivity (imaginary part)	14.95
Conductivity (S/m)	2.16
Variation (%)	-3.09
ConvF:	2.43



Maximum location: X=10.00, Y=-2.00

SAR Peak: 0.79W/kg

SAR 10g (W/Kg)	0.171534
SAR 1g (W/Kg)	0.380470



Plot 30: LTE Band41, 20MHz, Edge C, Middle,10mm

Type: Phone measurement

Date of measurement: 10/28/2019

Measurement duration: 22 minutes 40 seconds

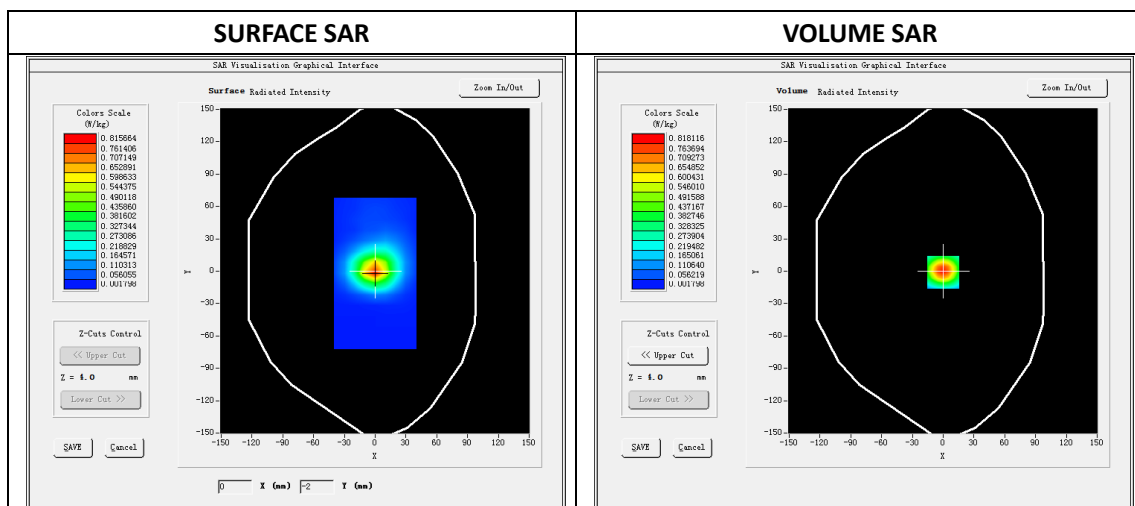
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Edge C
Band	LTE Band 41
Channels	40390
Signal	LTE (Duty cycle: 63.33%)

B. SAR Measurement Results

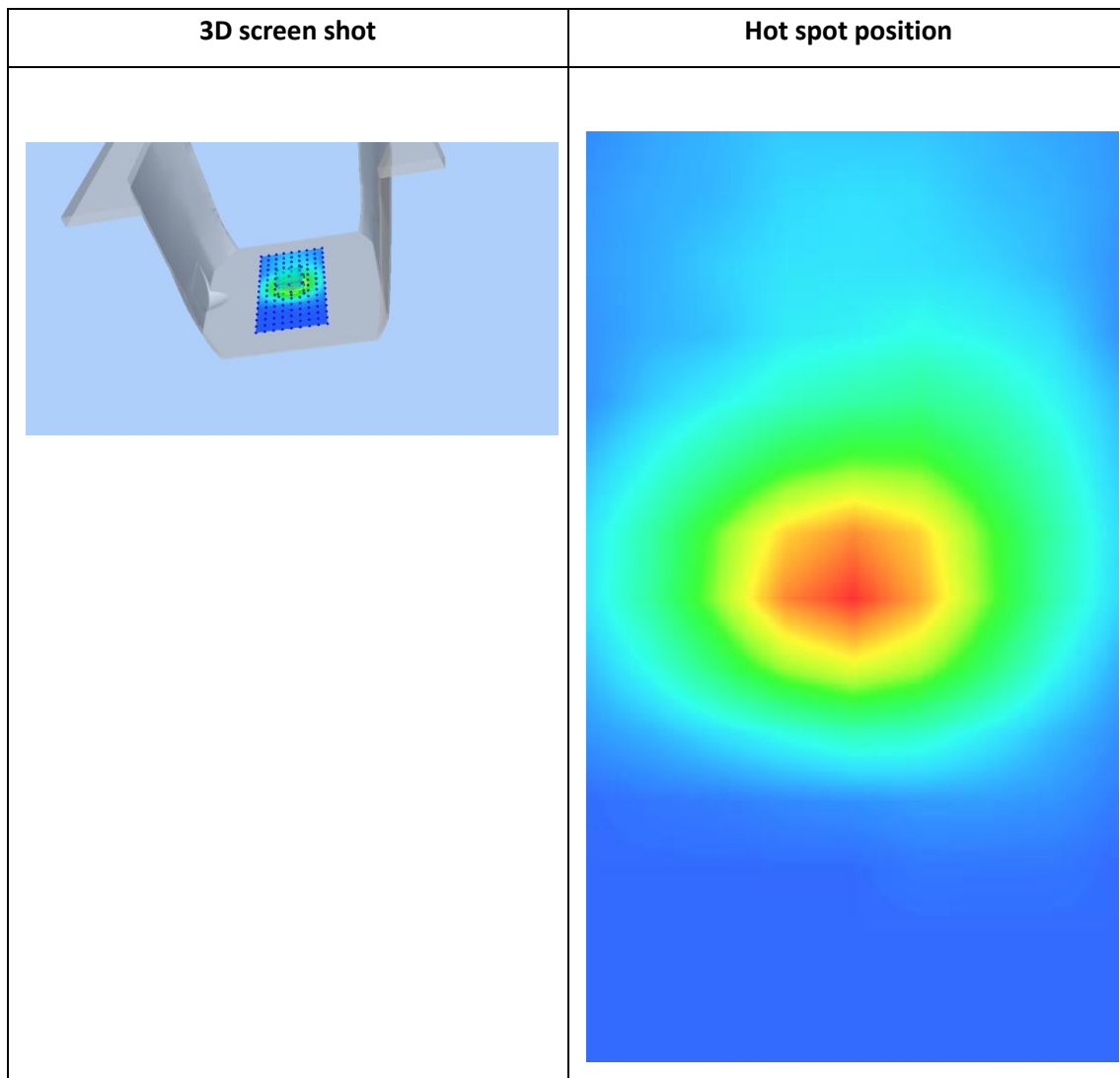
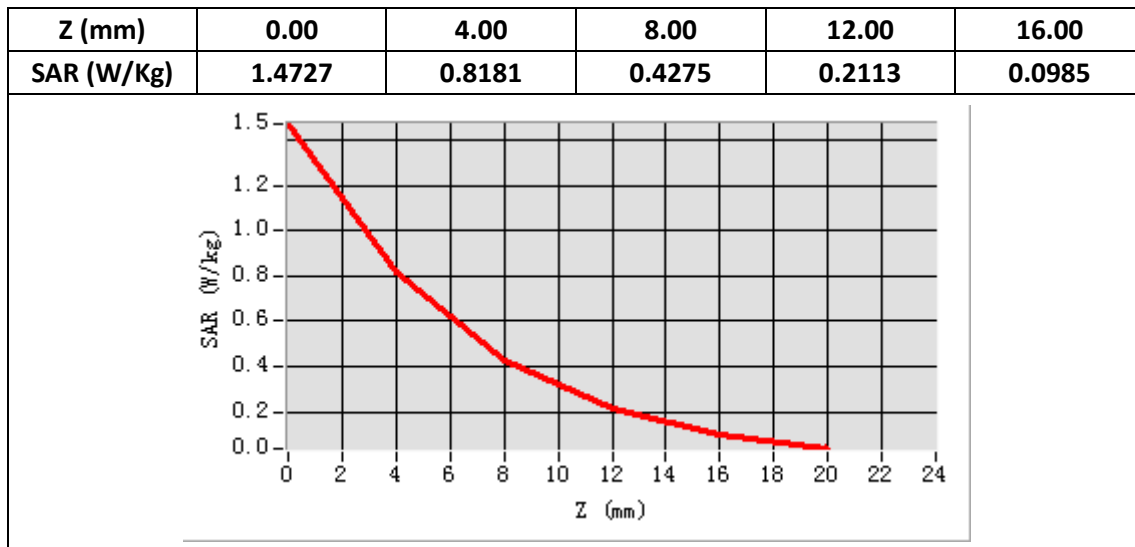
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2570
Relative permittivity (real part)	53.00
Relative permittivity (imaginary part)	14.95
Conductivity (S/m)	2.16
Variation (%)	0.20
ConvF:	2.43



Maximum location: X=0.00, Y=-1.00

SAR Peak: 1.47W/kg

SAR 10g (W/Kg)	0.329971
SAR 1g (W/Kg)	0.742791



Plot 31: Wi-Fi 802.11b Left Cheek, Middle

Type: Phone measurement

Date of measurement: 10/26/2019

Measurement duration: 22 minutes 41 seconds

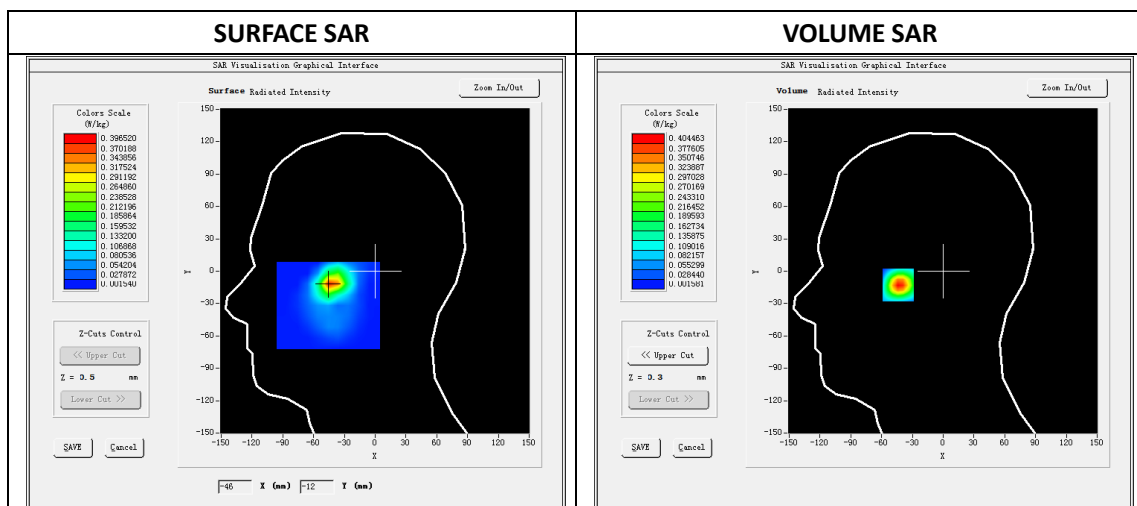
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

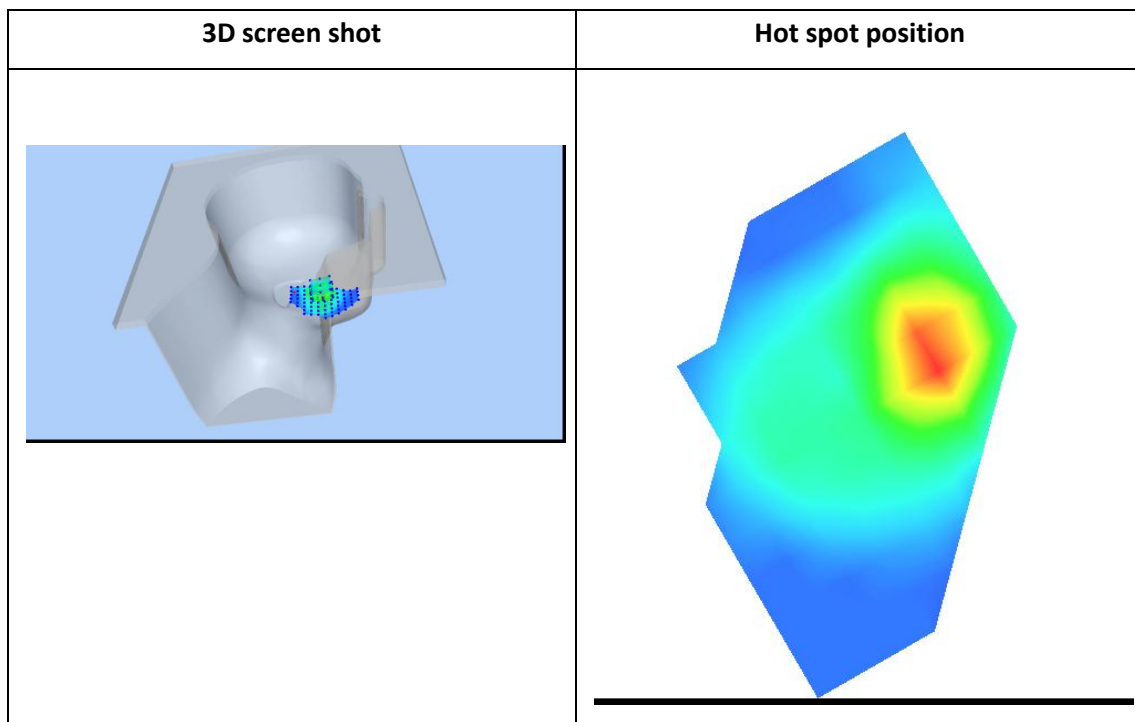
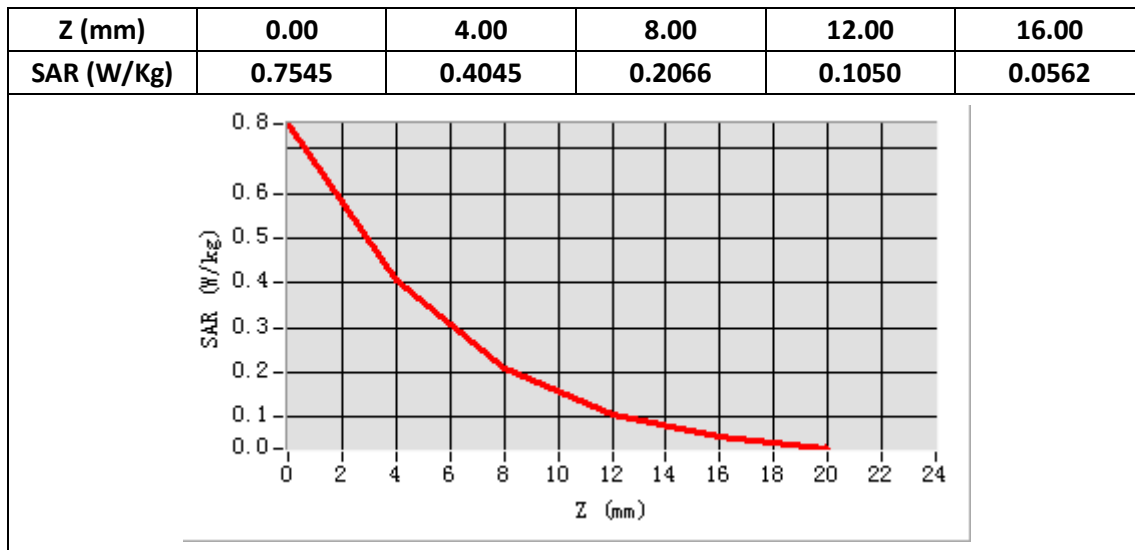
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2437
Relative permittivity (real part)	40.23
Relative permittivity (imaginary part)	13.30
Conductivity (S/m)	1.81
Variation (%)	-3.78
ConvF:	2.37



Maximum location: X=-44.00 Y=-12.00

SAR Peak: 0.77 W/kg

SAR 10g (W/Kg)	0.159469
SAR 1g (W/Kg)	0.368329



Plot 32: Wi-Fi 802.11b, Back ,Middle, 10mm

Type: Phone measurement

Date of measurement: 10/26/2019

Measurement duration: 22 minutes 23 seconds

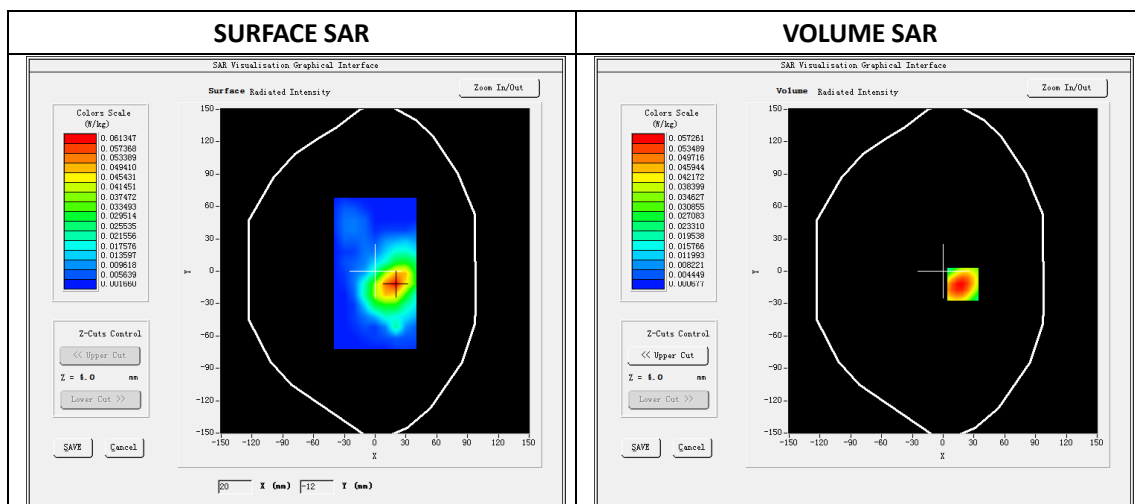
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

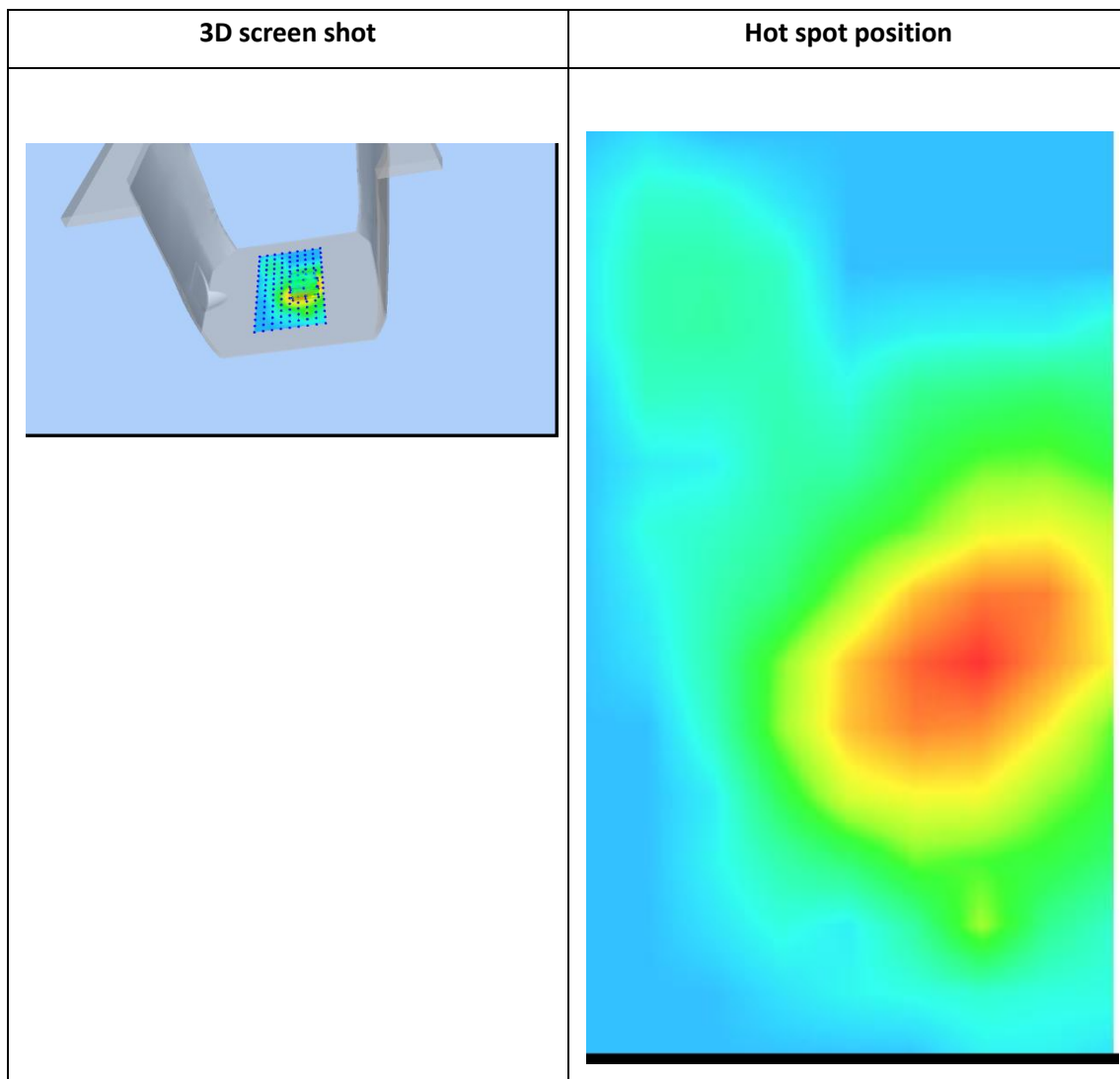
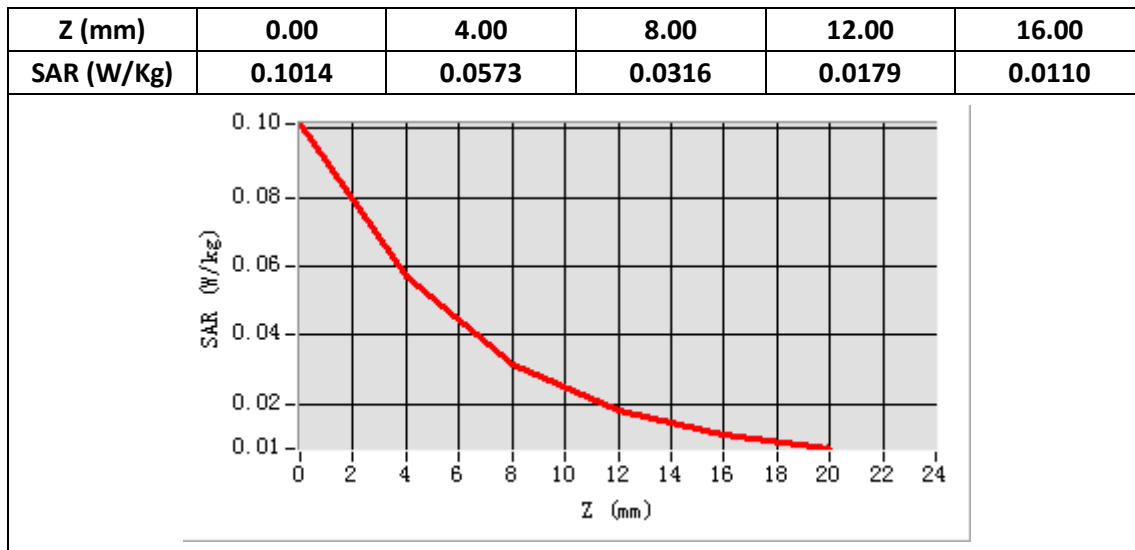
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2437
Relative permittivity (real part)	53.20
Relative permittivity (imaginary part)	14.55
Conductivity (S/m)	1.98
Variation (%)	-4.04
ConvF:	2.46



Maximum location: X=19.00 Y=-12.00

SAR Peak: 0.10W/kg

SAR 10g (W/Kg)	0.028283
SAR 1g (W/Kg)	0.055071



Plot 33: Wi-Fi 802.11b, Edge A ,Middle, 10mm

Type: Phone measurement

Date of measurement: 10/26/2019

Measurement duration: 22 minutes 23 seconds

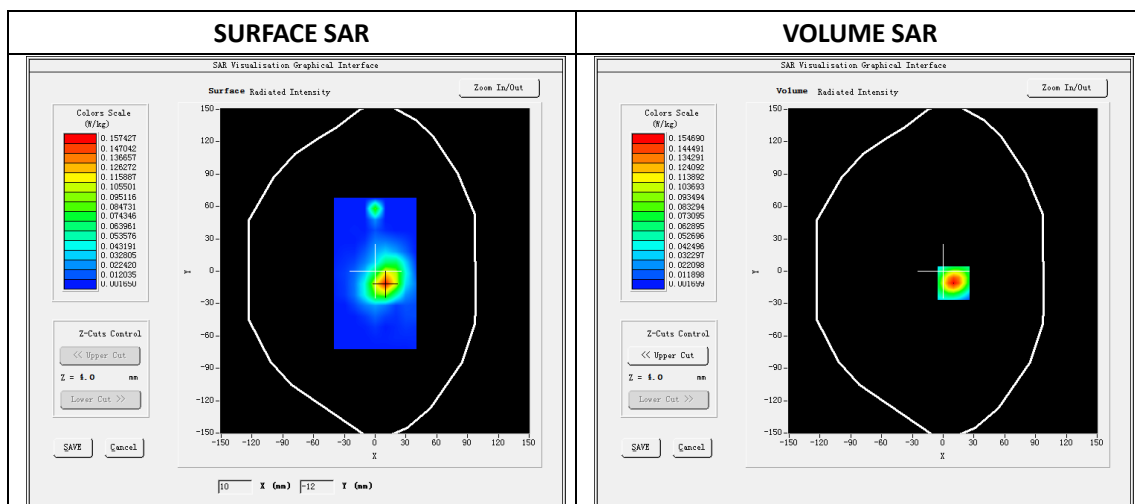
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

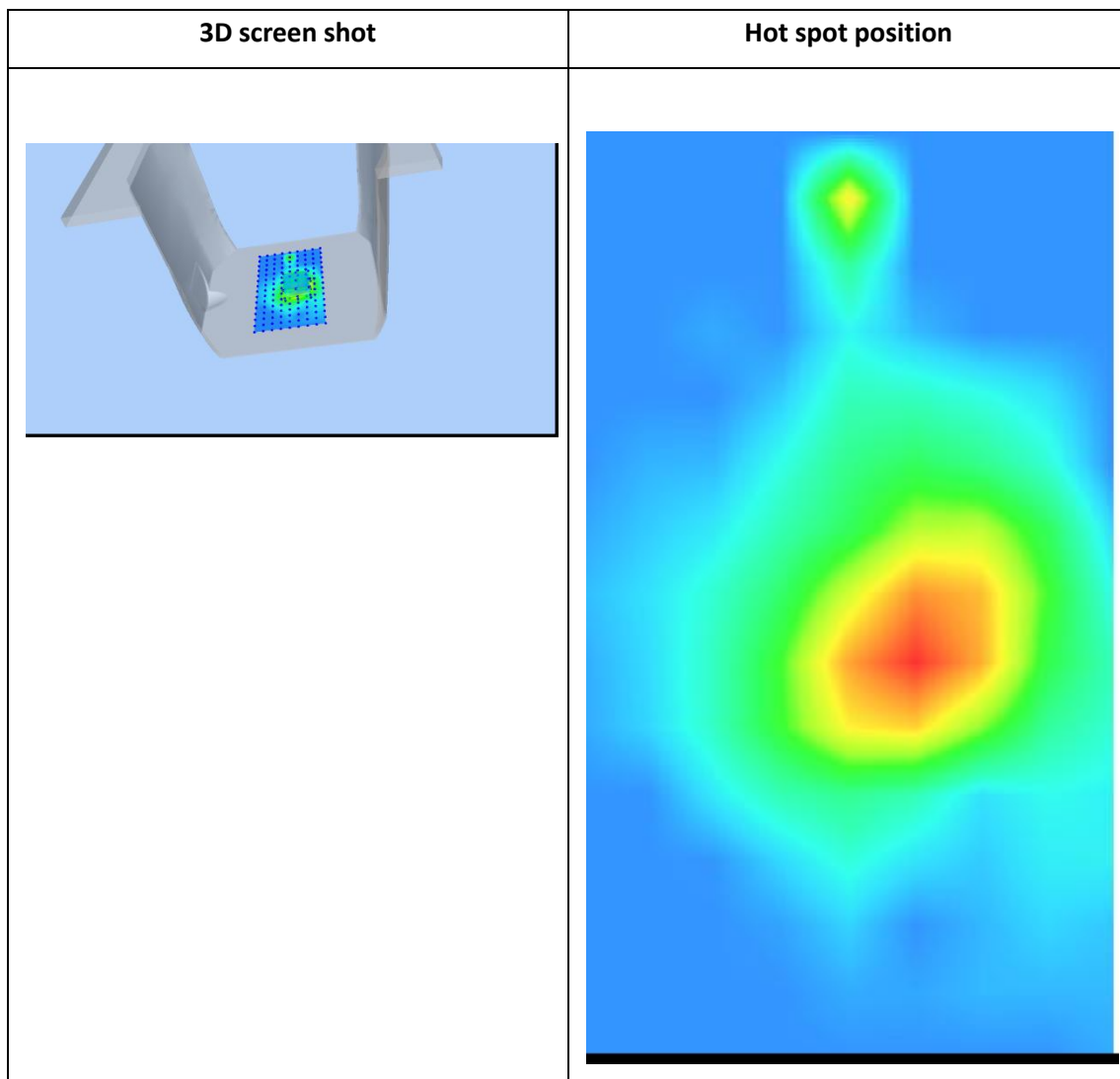
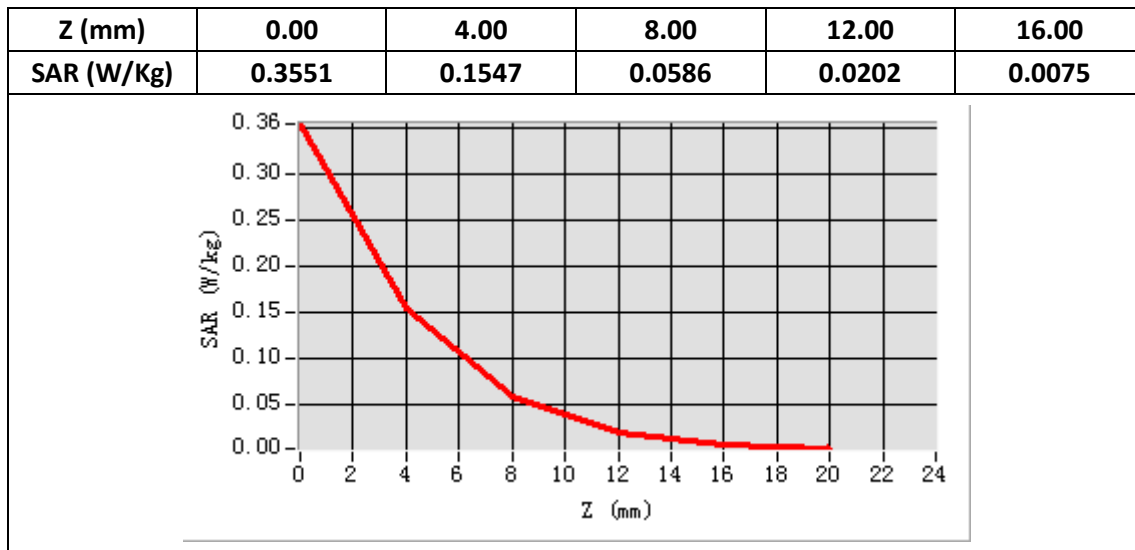
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2437
Relative permittivity (real part)	53.20
Relative permittivity (imaginary part)	14.55
Conductivity (S/m)	1.98
Variation (%)	-2.42
ConvF:	2.46



Maximum location: X=10.00 Y=-11.00

SAR Peak: 0.36W/kg

SAR 10g (W/Kg)	0.058661
SAR 1g (W/Kg)	0.146647



Plot 34: WIFI 5G 802.11a(20MHZ), Left Cheek, Middle

Type: Phone measurement

Date of measurement: 10/31/2019

Measurement duration: 22 minutes 30 seconds

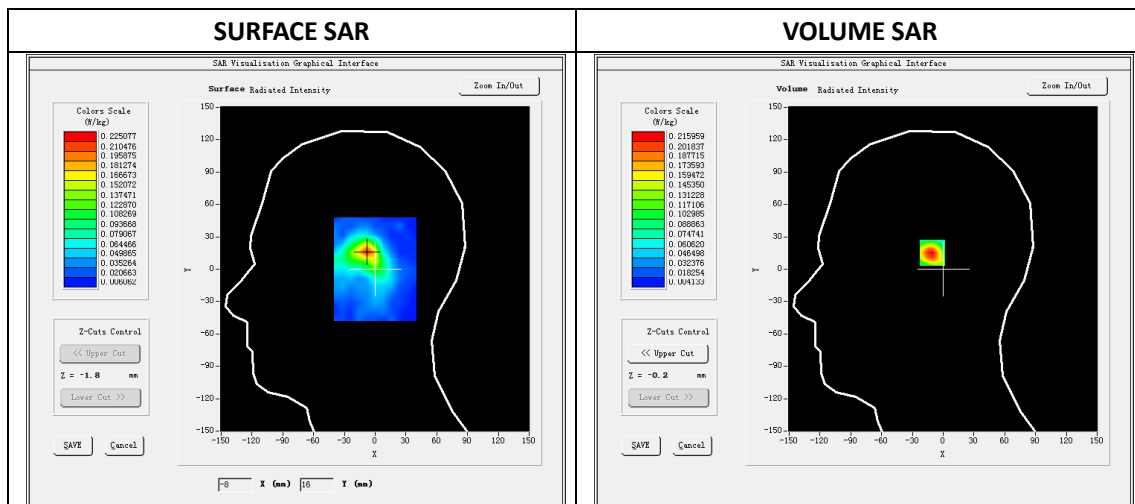
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=4mm,dy=4mm
ZoomScan	7x7x12,dx=4m, dy=4mm, dz=2mm
Phantom	Validation plane
Device Position	Left Cheek
Band	WIFI 5G
Channels	157
Signal	OFDM (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5785
Relative permittivity (real part)	35.84
Relative permittivity (imaginary part)	16.39
Conductivity (S/m)	5.28
Variation (%)	-0.87
ConvF:	2.15

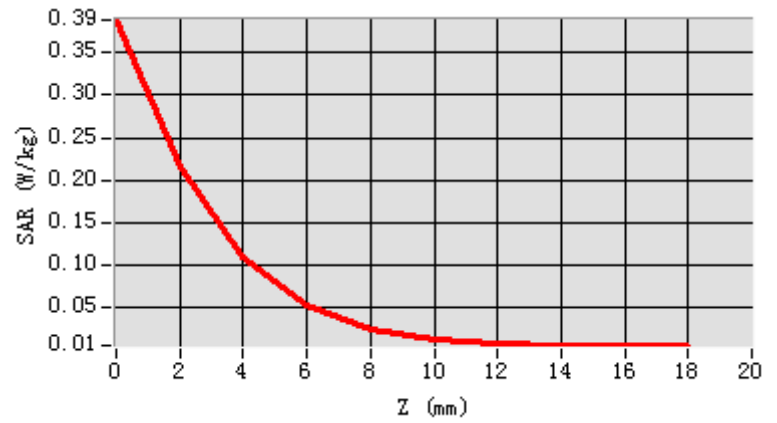


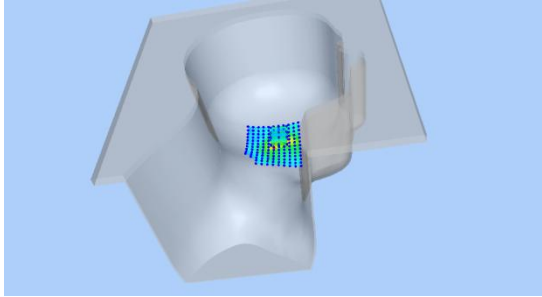
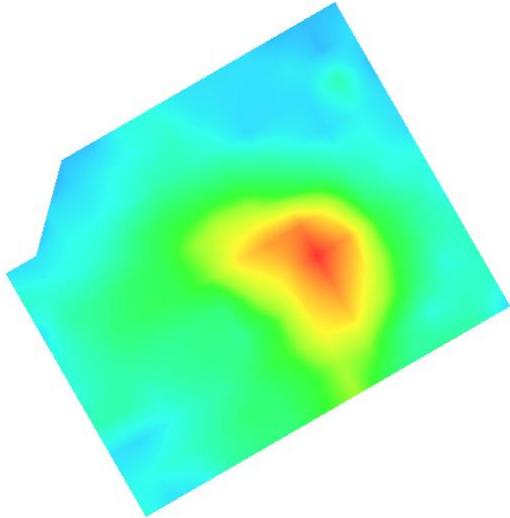
Maximum location: X=-8.00 Y=16.00

SAR Peak: 0.65 W/kg

SAR 10g (W/Kg)	0.082623
SAR 1g (W/Kg)	0.219745

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	0.3887	0.2160	0.1099	0.0519	0.0241	0.0118	0.0069	0.0053	0.0053



3D screen shot	Hot spot position
	

Plot 35: WIFI 5G 802.11a(20MHz), Back , Middle,10mm

Type: Phone measurement

Date of measurement: 10/31/2019

Measurement duration: 22 minutes 45 seconds

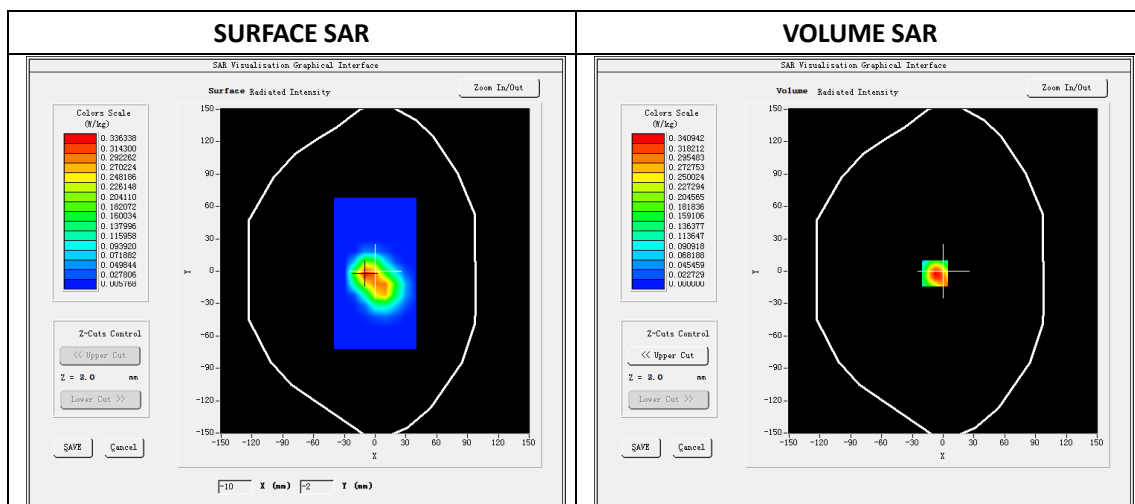
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=4mm,dy=4mm
ZoomScan	7x7x12,dx=4m, dy=4mm, dz=2mm
Phantom	Validation plane
Device Position	Back
Band	WIFI 5G
Channels	157
Signal	OFDM (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5785
Relative permittivity (real part)	48.71
Relative permittivity (imaginary part)	18.56
Conductivity (S/m)	5.98
Variation (%)	-1.40
ConvF:	2.21

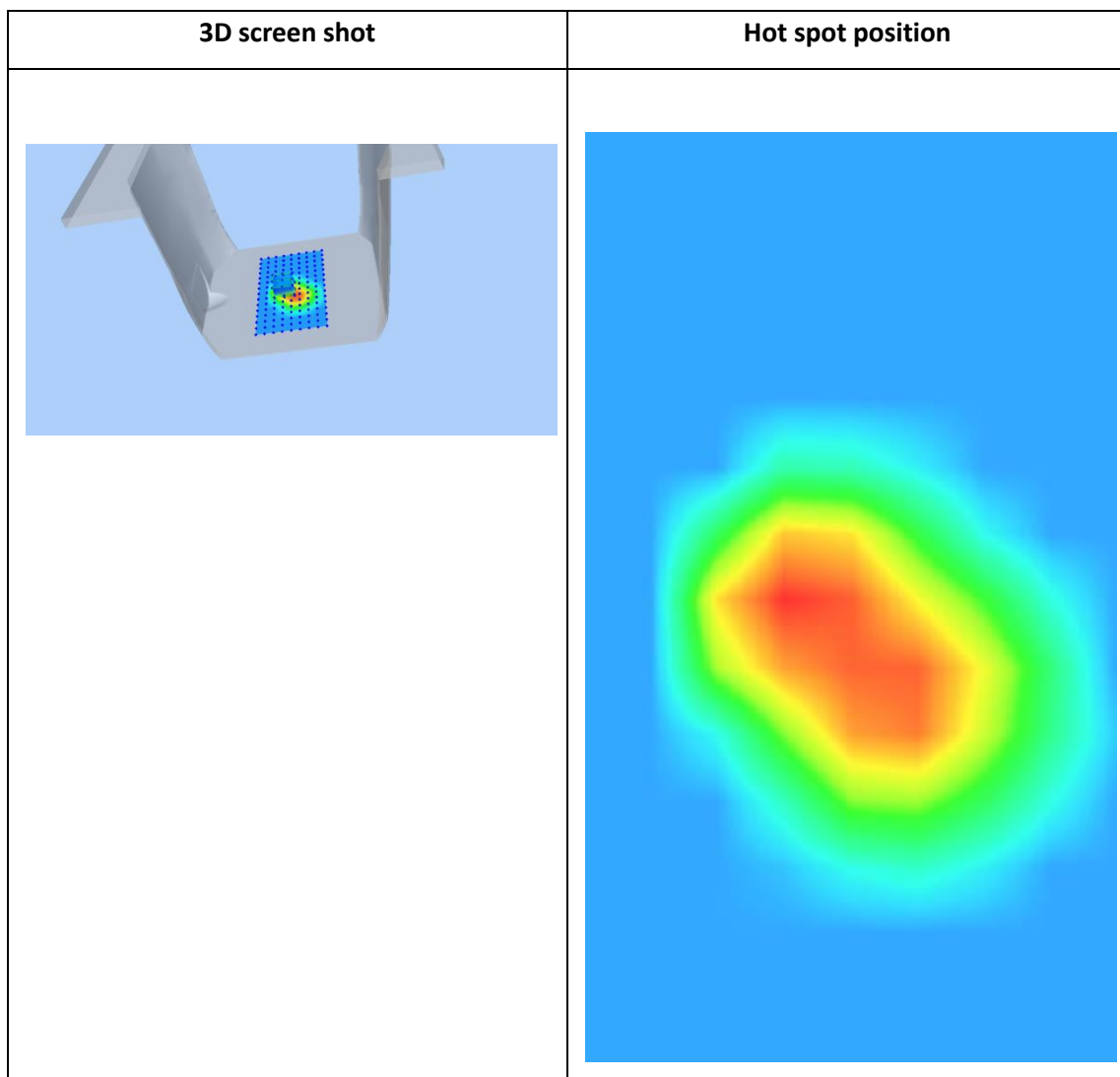
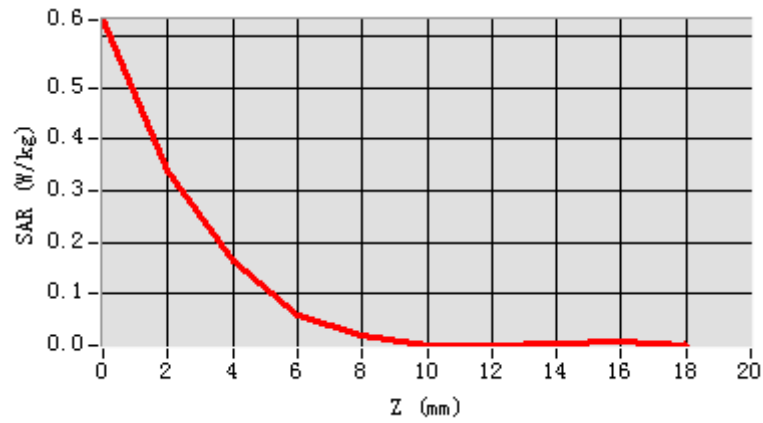


Maximum location: X=-8.00 Y=-2.00

SAR Peak: 0.72 W/kg

SAR 10g (W/Kg)	0.056619
SAR 1g (W/Kg)	0.186608

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	0.6313	0.3409	0.1637	0.0596	0.0176	0.0016	0.0002	0.0031	0.0059



Plot 36: CDMA BC0, Right Cheek, Middle

Type: Phone measurement

Date of measurement: 10/22/2019

Measurement duration: 22 minutes 44 seconds

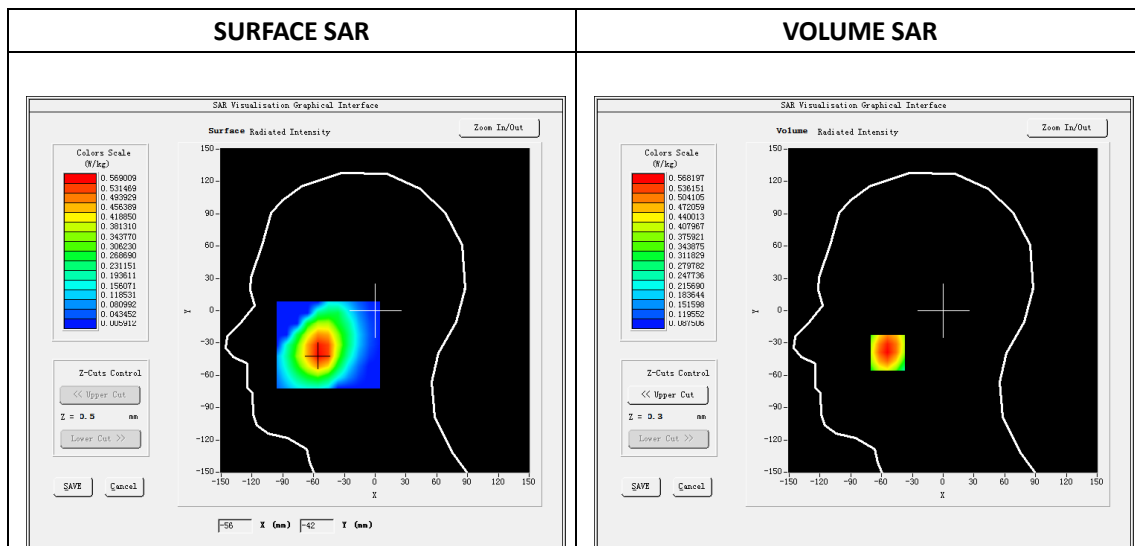
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

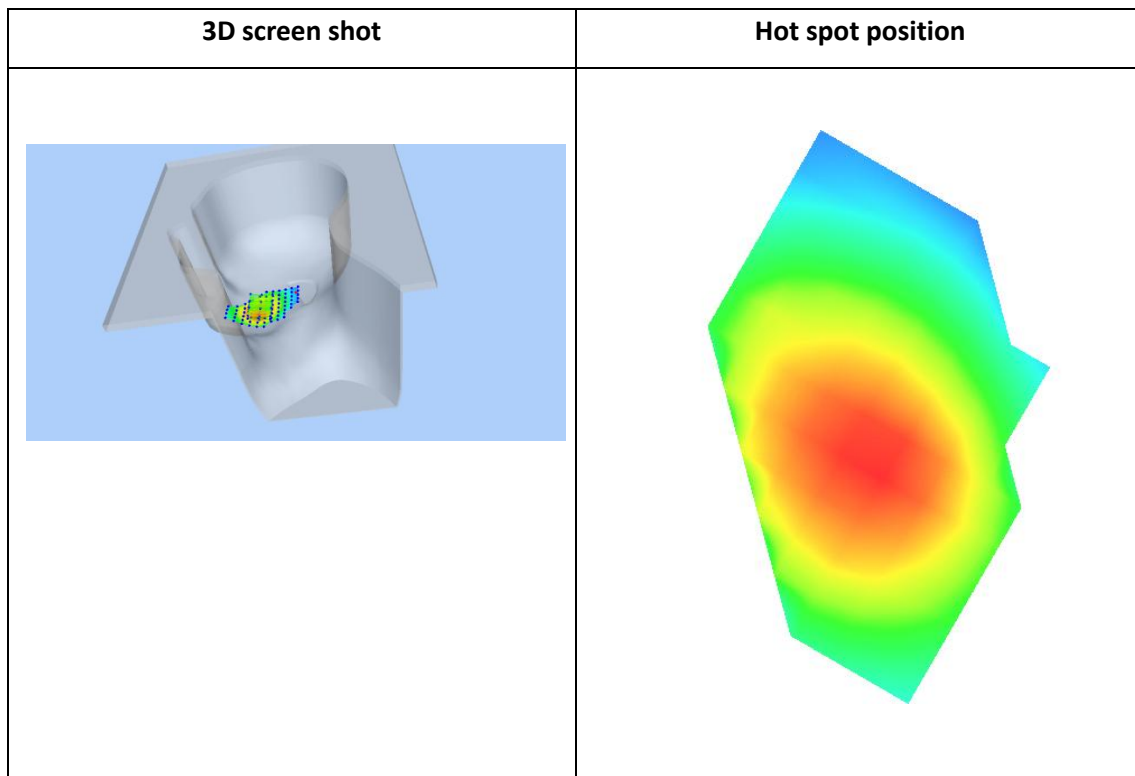
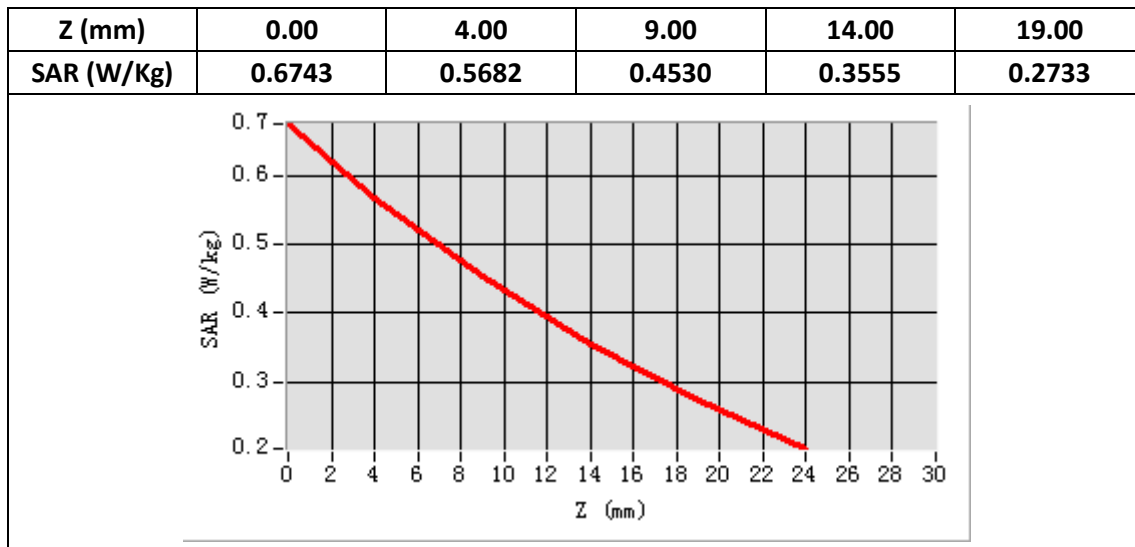
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.5
Relative permittivity (real part)	41.63
Relative permittivity (imaginary part)	20.69
Conductivity (S/m)	0.96
Variation (%)	-3.92
ConvF:	1.92



Maximum location: X=-54.00, Y=-39.00

SAR Peak: 0.68W/kg

SAR 10g (W/Kg)	0.396805
SAR 1g (W/Kg)	0.546124



Plot 37: CDMA BC0, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 10/22/2019

Measurement duration: 22 minutes 47 seconds

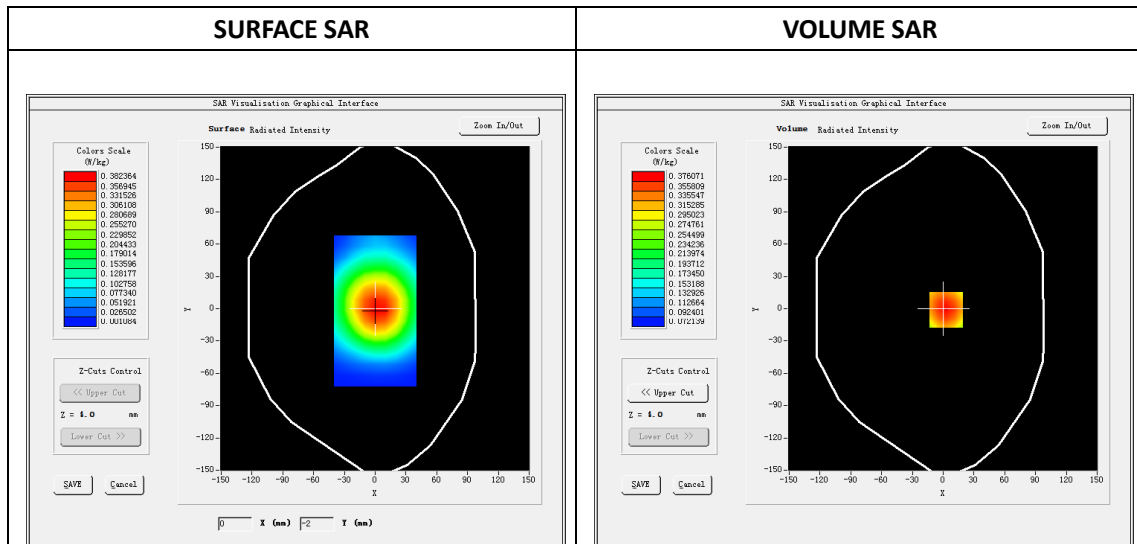
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	836.5
Relative permittivity (real part)	55.50
Relative permittivity (imaginary part)	20.91
Conductivity (S/m)	0.97
Variation (%)	-4.67
ConvF:	1.99



Maximum location: X=3.00, Y=-1.00

SAR Peak: 0.47 W/kg

SAR 10g (W/Kg)	0.261015
SAR 1g (W/Kg)	0.367576

