Appendix B: SAR Measurement results Plots

Plot	Frequency/Mode	Testing Position and Channel	Test Date
1	GSM850	Left Cheek Middle	2019/03/16
2	GSM850/GPRS4Tx	Body Back, Middle ,10mm	2019/03/16
3	GSM1900	Left Cheek Middle	2019/03/18
4	GSM1900/GPRS4Tx	Body Back Middle ,10mm	2019/03/18
5	WCDMA850	Left Cheek Middle	2019/03/16
6	WCDMA850	Body Back, Middle ,10mm	2019/03/16
7	WCDMA1900	Left Cheek Middle	2019/03/18
8	WCDMA1900	Body Back, Middle ,10mm	2019/03/18
9	LTE Band2	Left Cheek Middle	2019/03/18
10	LTE Band2	Body Back, Middle ,10mm	2019/03/18
11	LTE Band4	Right Cheek Middle	2019/03/17
12	LTE Band4	Body Back, Middle ,10mm	2019/03/17
13	LTE Band5	Left Cheek Middle	2019/03/16
14	LTE Band5	Body Back, Middle ,10mm	2019/03/16
15	LTE Band12	Left Cheek Middle	2019/03/15
16	LTE Band12	Body Back, Middle ,10mm	2019/03/15
17	LTE Band13	Left Cheek Middle	2019/03/15
18	LTE Band13	Body Back, Middle ,10mm	2019/03/15
19	LTE Band17	Right Cheek Middle	2019/03/15
20	LTE Band17	Body Back, Middle ,10mm	2019/03/15
21	WIFI 2.4G 802 11b	Left Cheek Middle	2019/03/19
22	WIFI 2.4G 802 11b	Body Back, Middle ,10mm	2019/03/19

Plot 1: GSM850, Left Cheek, Middle

Type: Phone measurement

Date of measurement: 03/16/2019

Measurement duration: 22 minutes 19 seconds

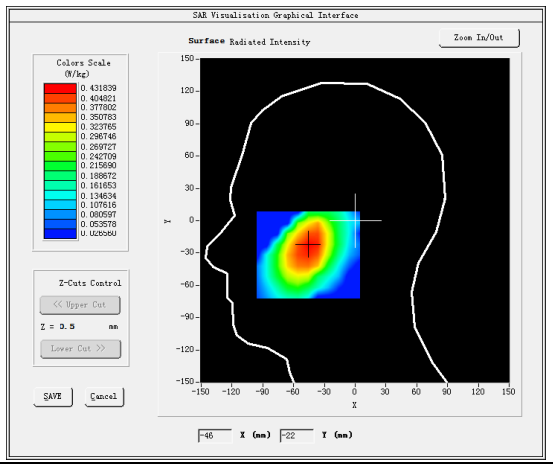
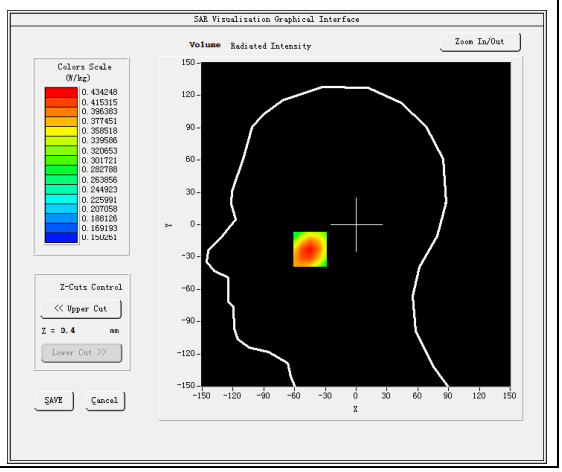
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN27/15 EPGO261
Frequency (MHz)	836.6
Relative permittivity (real part)	41.52
Relative permittivity (imaginary part)	19.05
Conductivity (S/m)	0.90
Variation (%)	0.79
ConvF:	1.92

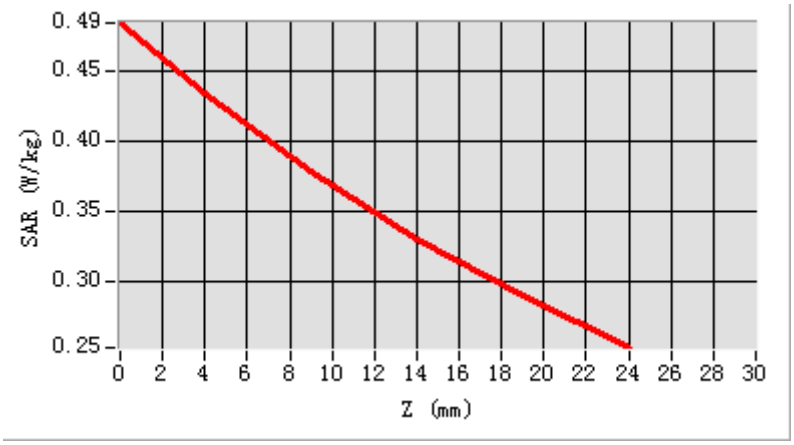
SURFACE SAR	**VOLUME SAR**
	

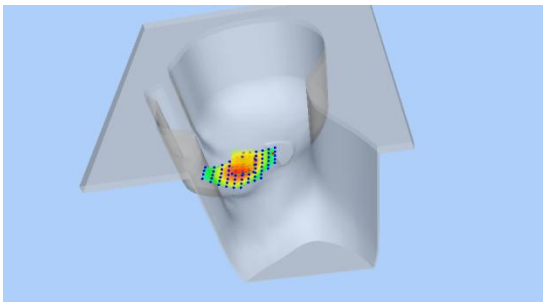
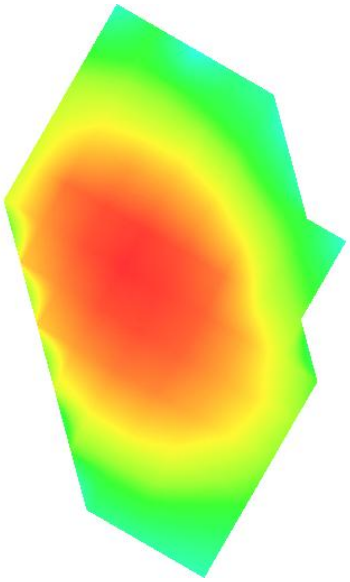
Maximum location: X=-45.00, Y=-23.00

SAR Peak: 0.49W/kg

SAR 10g (W/Kg)	0.348742
SAR 1g (W/Kg)	0.432400

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4851	0.4342	0.3785	0.3309	0.2898



3D screen shot	Hot spot position
	

Plot 2: GPRS850, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 03/16/2019

Measurement duration: 22 minutes 25 seconds

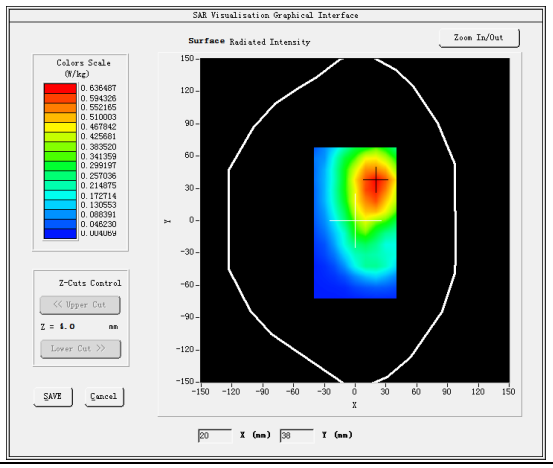
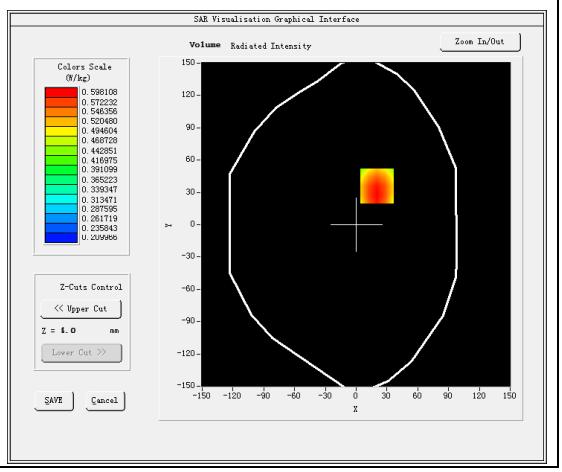
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN27/15 EPGO261
Frequency (MHz)	836.6
Relative permittivity (real part)	55.21
Relative permittivity (imaginary part)	20.69
Conductivity (S/m)	0.96
Variation (%)	-3.41
ConvF:	1.99

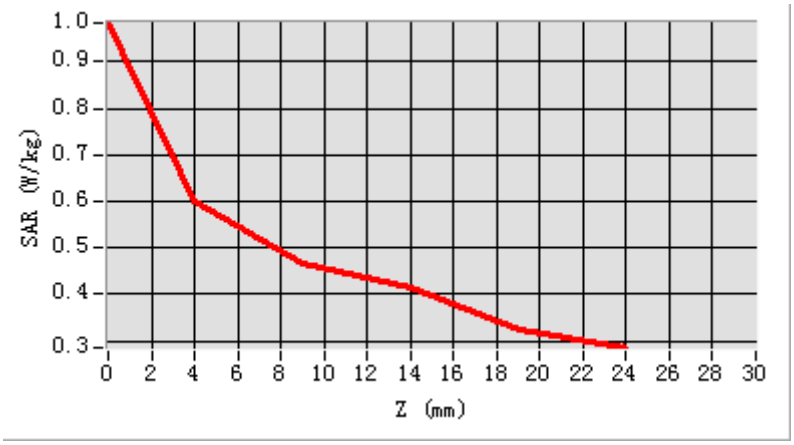
SURFACE SAR	**VOLUME SAR**
	

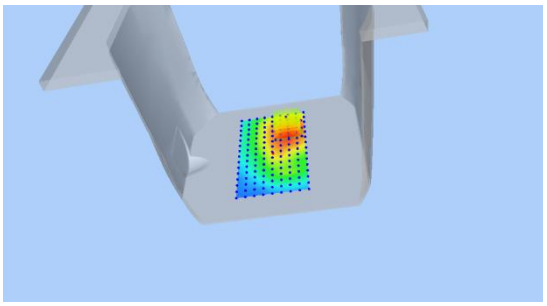
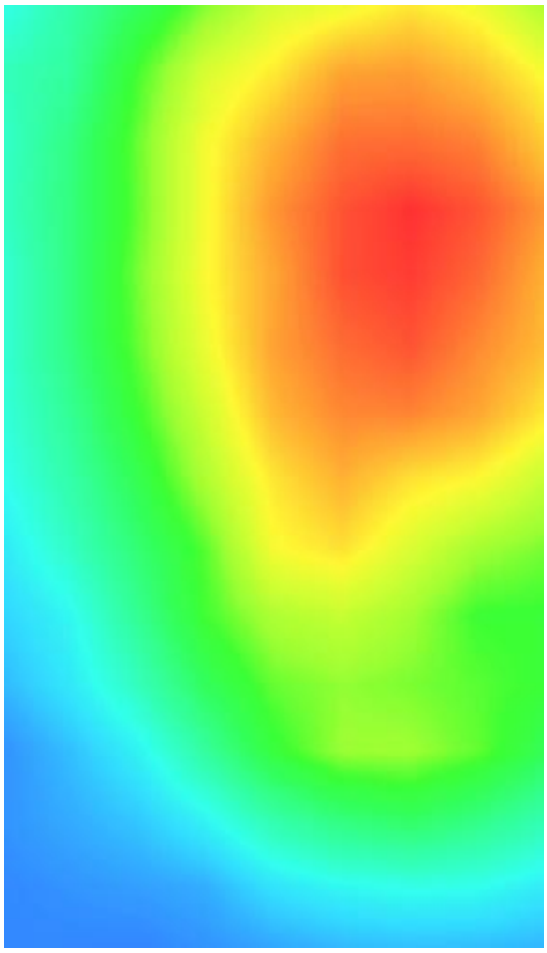
Maximum location: X=20.00, Y=36.00

SAR Peak: 0.69 W/kg

SAR 10g (W/Kg)	0.467760
SAR 1g (W/Kg)	0.589394

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.9837	0.5981	0.4655	0.4146	0.3230



3D screen shot	Hot spot position
	

Plot3: GSM1900, Left Cheek Middle

Type: Phone measurement

Date of measurement: 03/18/2019

Measurement duration: 22 minutes 12 seconds

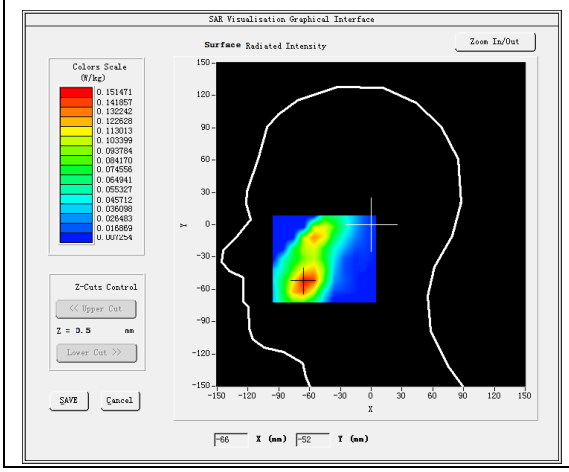
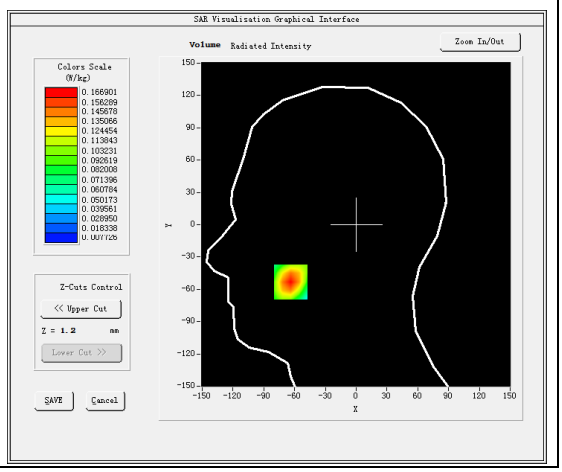
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
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 SN27/15 EPGO261
Frequency (MHz)	1880
Relative permittivity (real part)	40.52
Relative permittivity (imaginary part)	13.35
Conductivity (S/m)	1.41
Variation (%)	-1.87
ConvF:	2.34

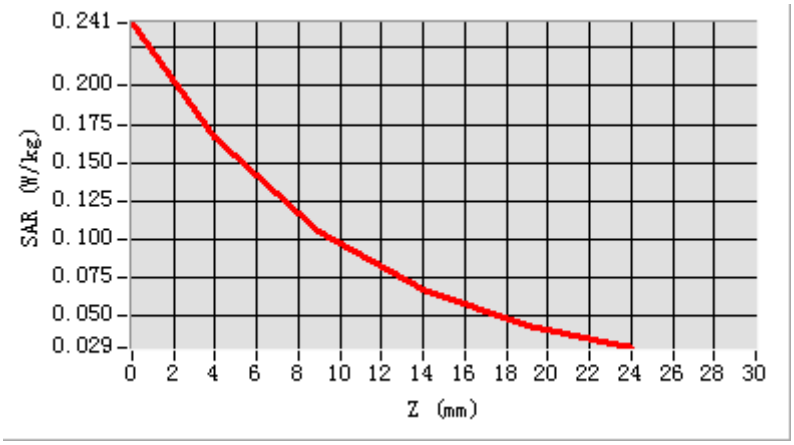
SURFACE SAR	**VOLUME SAR**
	

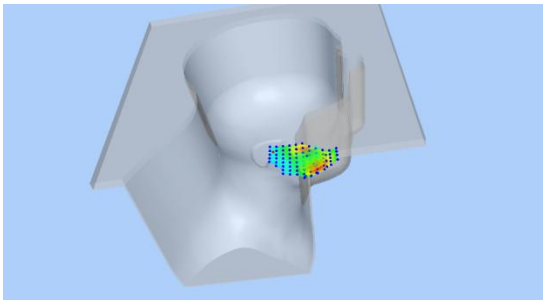
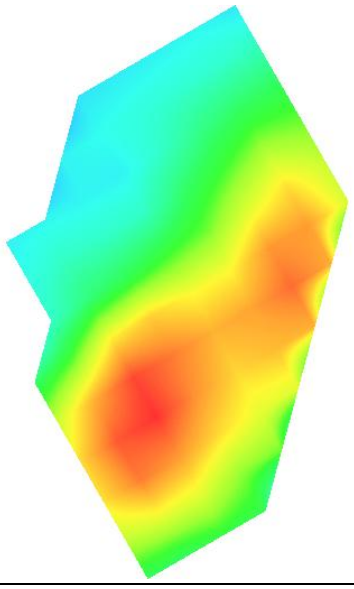
Maximum location: X=-64.00, Y=-53.00

SAR Peak: 0.24 W/kg

SAR 10g (W/Kg)	0.092398
SAR 1g (W/Kg)	0.156348

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2410	0.1669	0.1046	0.0668	0.0443



3D screen shot	Hot spot position
	

Plot4: GPRS1900, Back Middle ,10mm

Type: Phone measurement

Date of measurement: 03/18/2019

Measurement duration: 22 minutes 18 seconds

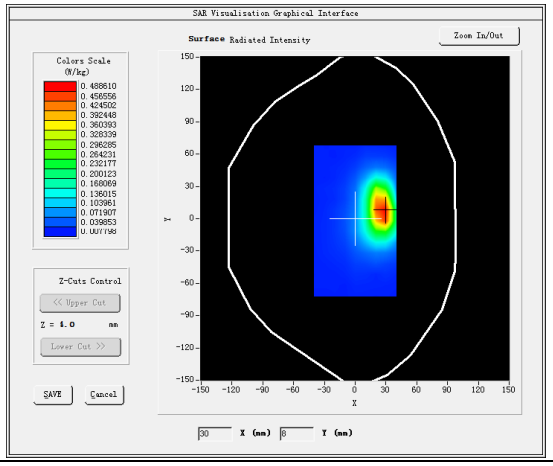
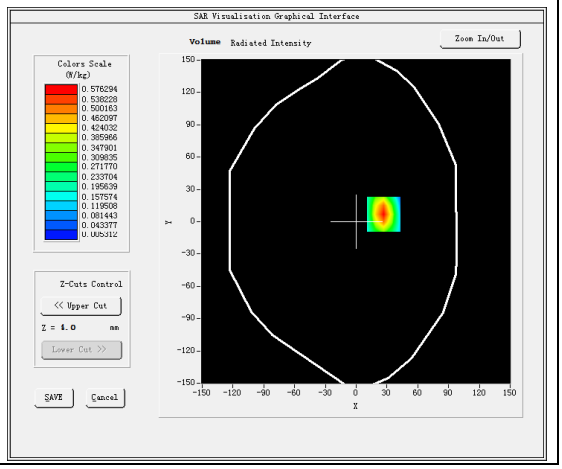
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
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 SN27/15 EPGO261
Frequency (MHz)	1880
Relative permittivity (real part)	53.35
Relative permittivity (imaginary part)	14.40
Conductivity (S/m)	1.52
Variation (%)	-1.74
ConvF:	2.39

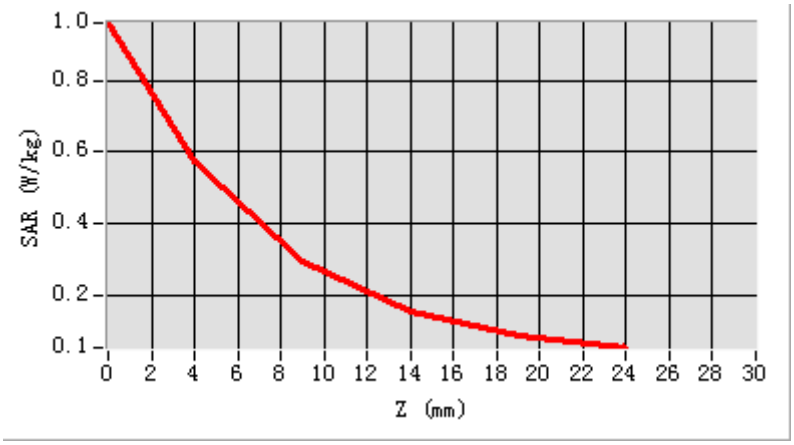
SURFACE SAR	**VOLUME SAR**
	

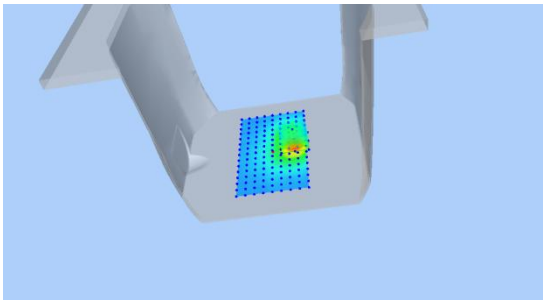
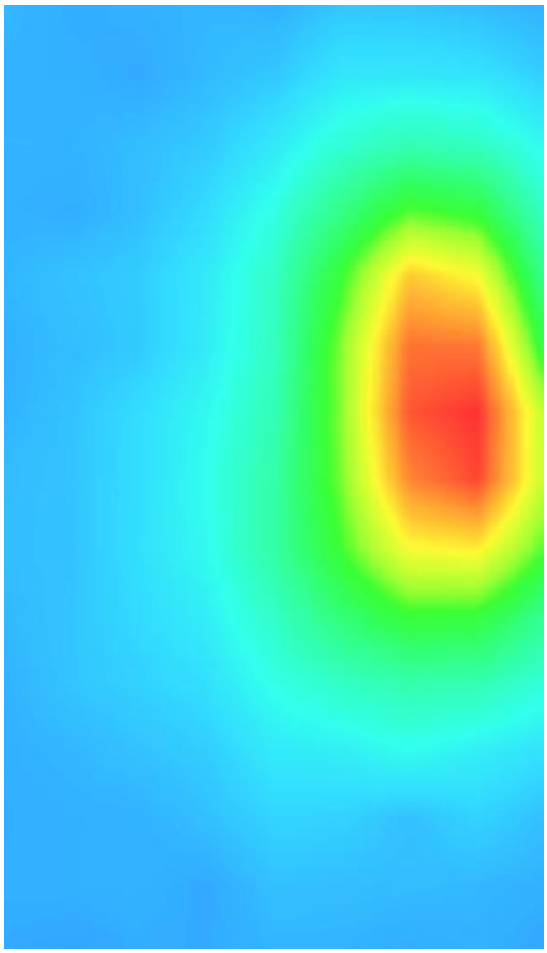
Maximum location: X=27.00, Y=7.00

SAR Peak: 0.96W/kg

SAR 10g (W/Kg)	0.260986
SAR 1g (W/Kg)	0.530602

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.9588	0.5763	0.2954	0.1556	0.0915



3D screen shot	Hot spot position
	

Plot 5: WCDMA850, Right Cheek, Middle

Type: Phone measurement

Date of measurement: 03/16/2019

Measurement duration: 22 minutes 26 seconds

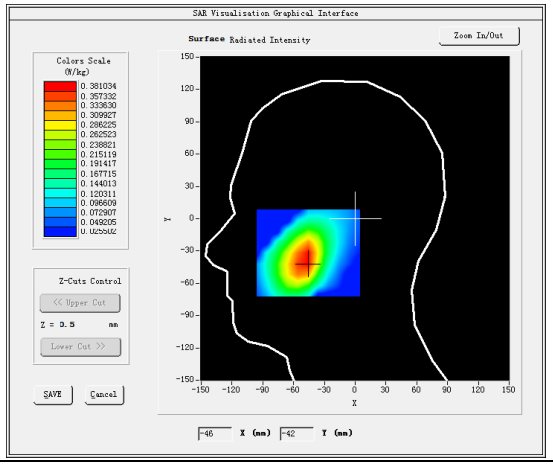
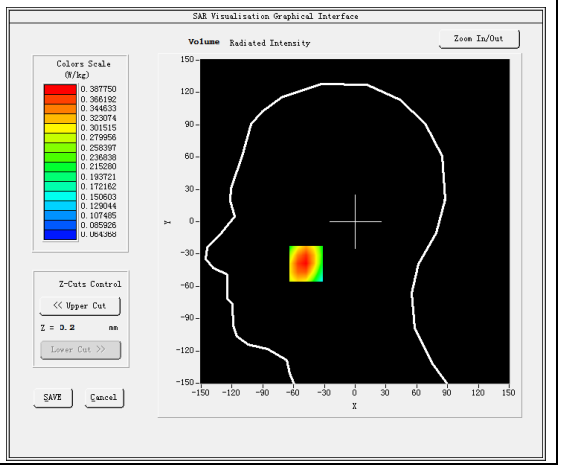
Mobile Phone IMEI number: --

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	Band5_WCDMA850
Channels	4183
Signal	WCDMA (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN27/15 EPGO261
Frequency (MHz)	836.6
Relative permittivity (real part)	41.52
Relative permittivity (imaginary part)	19.05
Conductivity (S/m)	0.90
Variation (%)	-4.17
ConvF:	1.92

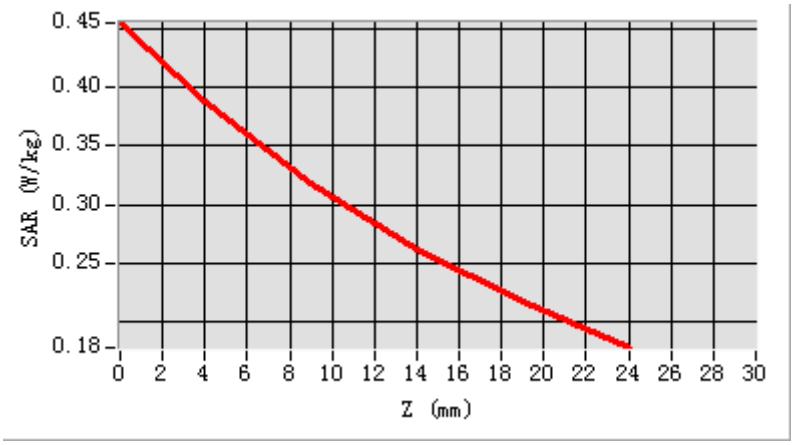
SURFACE SAR	**VOLUME SAR**
	

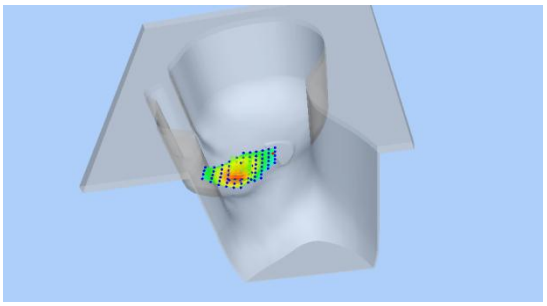
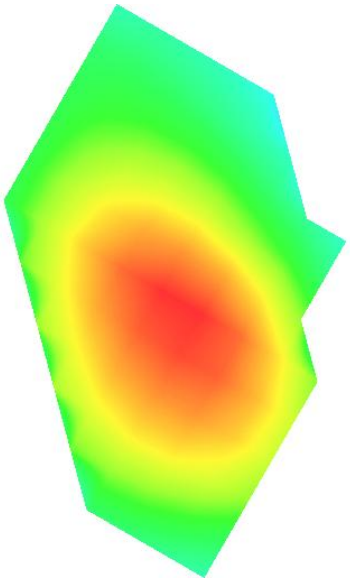
Maximum location: X=-48.00, Y=-39.00

SAR Peak: 0.46W/kg

SAR 10g (W/Kg)	0.285170
SAR 1g (W/Kg)	0.380555

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4544	0.3877	0.3183	0.2623	0.2170



3D screen shot	Hot spot position
	

Plot 6: WCDMA850, BACK, Middle,10mm

Type: Phone measurement

Date of measurement: 03/16/2019

Measurement duration: 22 minutes 16 seconds

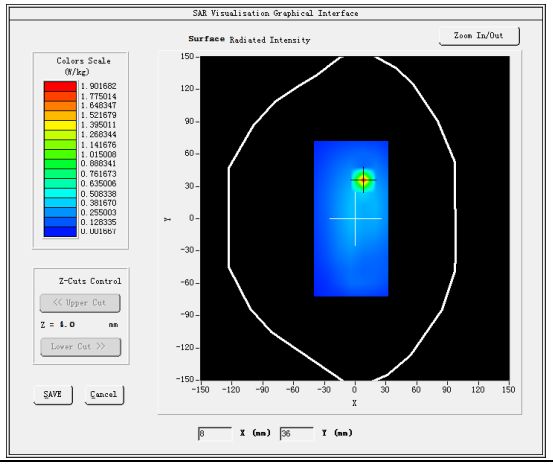
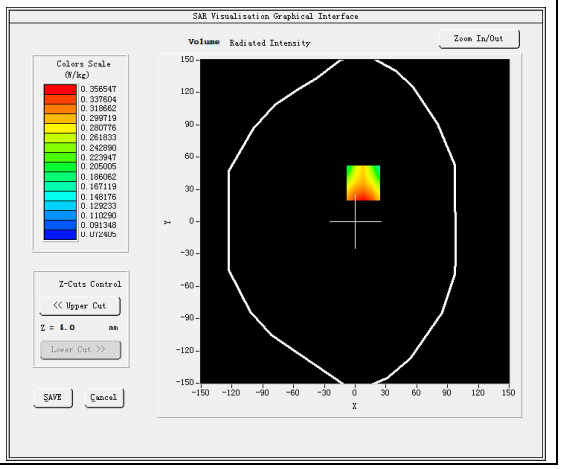
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN27/15 EPGO261
Frequency (MHz)	836.6
Relative permittivity (real part)	55.21
Relative permittivity (imaginary part)	20.69
Conductivity (S/m)	0.96
Variation (%)	-3.61
ConvF:	1.99

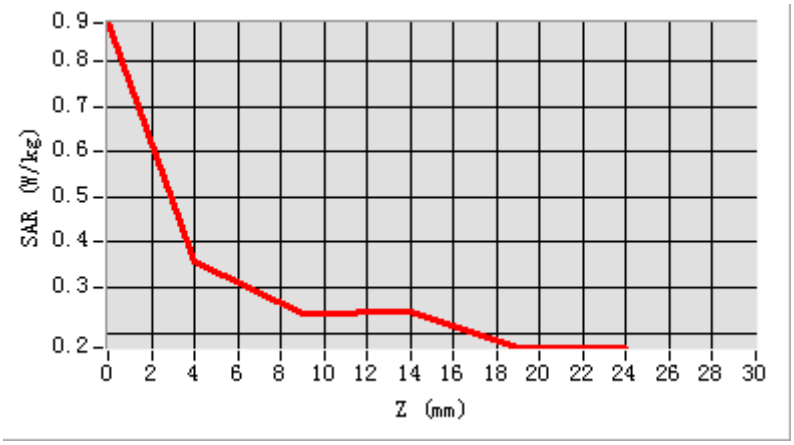
SURFACE SAR	**VOLUME SAR**
	

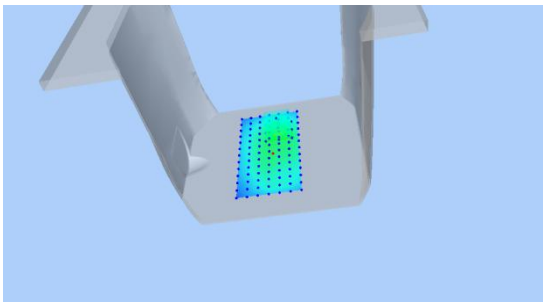
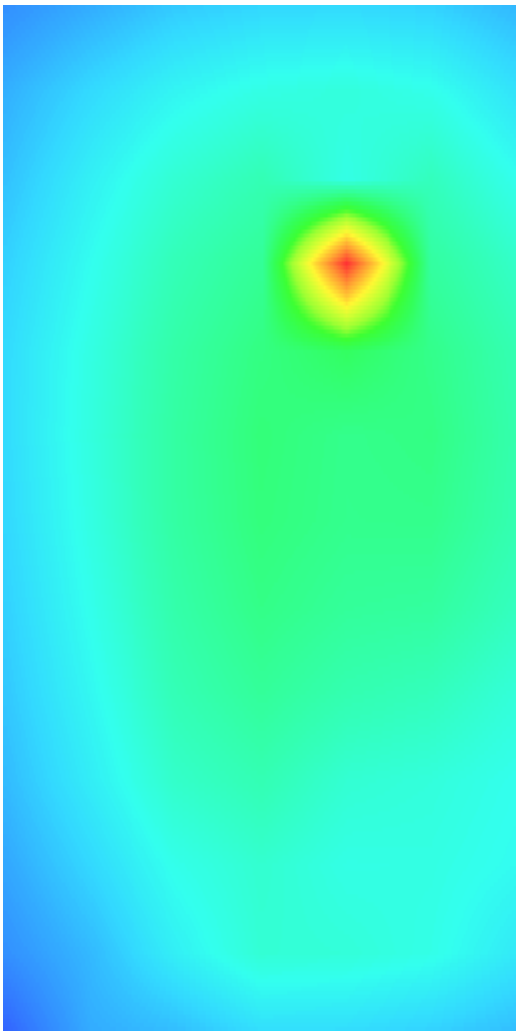
Maximum location: X=8.00, Y=36.00

SAR Peak: 0.42 W/kg

SAR 10g (W/Kg)	0.253459
SAR 1g (W/Kg)	0.333459

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.8837	0.3565	0.2432	0.2447	0.1674



3D screen shot	Hot spot position
	

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

Type: Phone measurement

Date of measurement: 03/18/2019

Measurement duration: 22 minutes 28 seconds

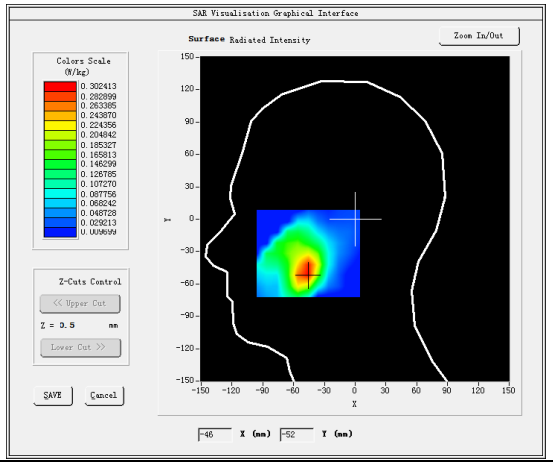
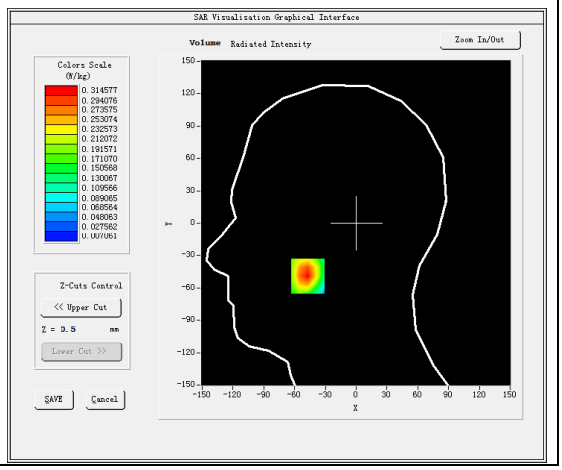
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN27/15 EPGO261
Frequency (MHz)	1880
Relative permittivity (real part)	40.52
Relative permittivity (imaginary part)	13.35
Conductivity (S/m)	1.41
Variation (%)	-1.69
ConvF:	2.34

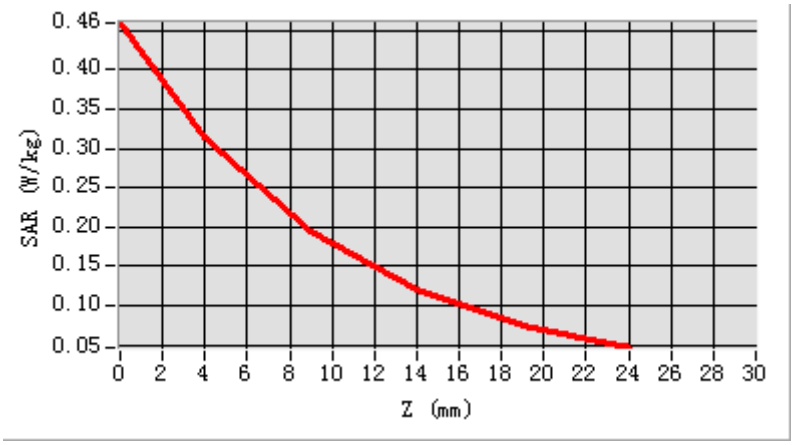
SURFACE SAR	**VOLUME SAR**
	

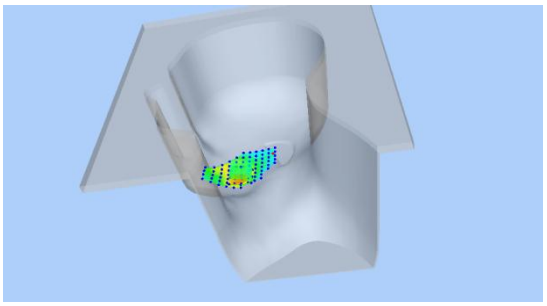
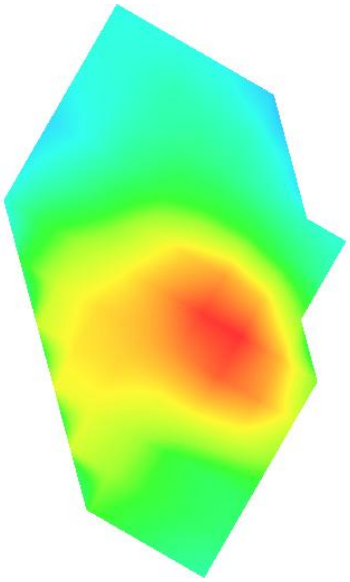
Maximum location: X=-47.00, Y=-49.00

SAR Peak: 0.46W/kg

SAR 10g (W/Kg)	0.168139
SAR 1g (W/Kg)	0.295236

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4593	0.3146	0.1932	0.1193	0.0754



3D screen shot	Hot spot position
	

Plot 8: WCDMA1900,Back, Middle,10mm

Type: Phone measurement

Date of measurement: 03/18/2019

Measurement duration: 22 minutes 14 seconds

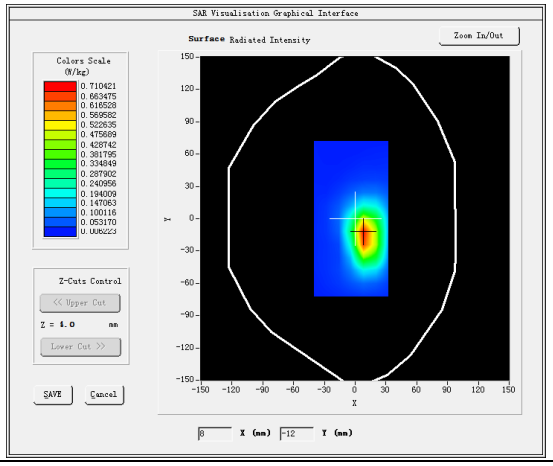
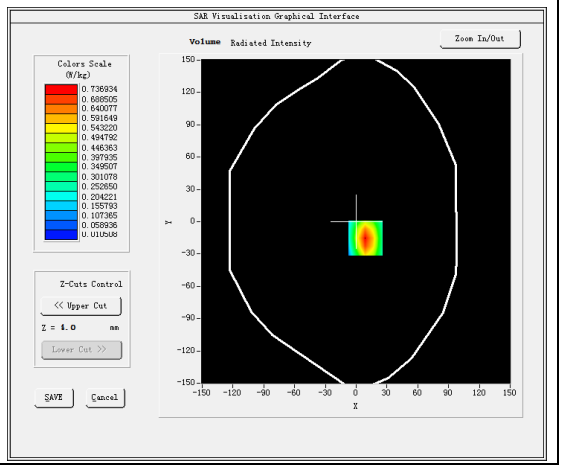
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN27/15 EPGO261
Frequency (MHz)	1880
Relative permittivity (real part)	53.35
Relative permittivity (imaginary part)	14.40
Conductivity (S/m)	1.52
Variation (%)	-4.83
ConvF:	2.39

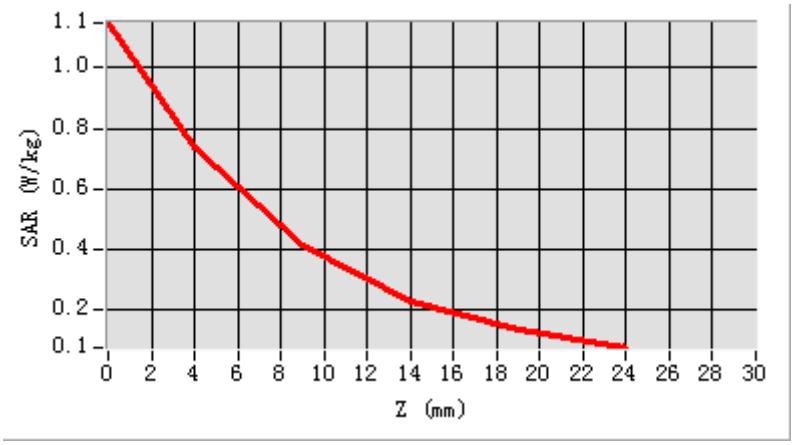
SURFACE SAR	**VOLUME SAR**
	

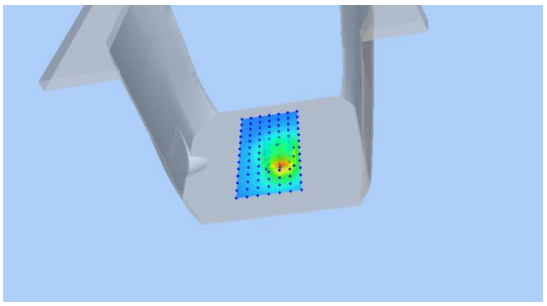
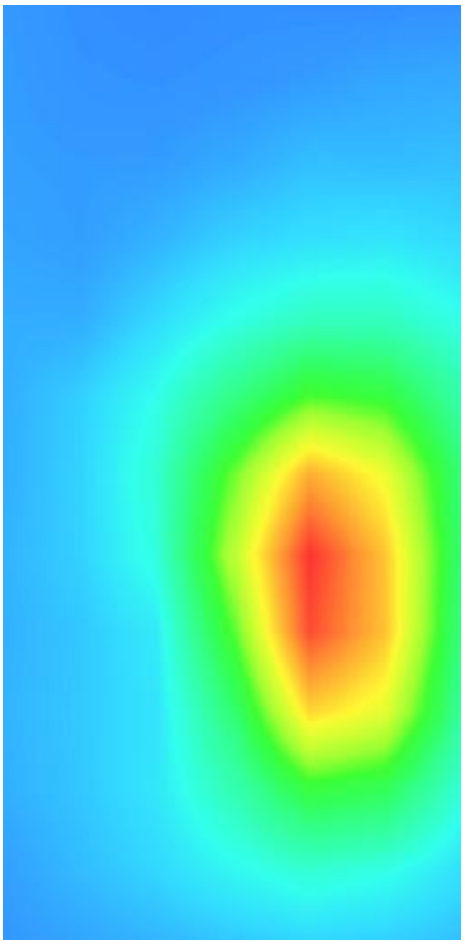
Maximum location: X=9.00, Y=-15.00

SAR Peak: 1.15W/kg

SAR 10g (W/Kg)	0.214085
SAR 1g (W/Kg)	0.482796

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.1469	0.7369	0.4131	0.2322	0.1355



3D screen shot	Hot spot position
	

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

Type: Phone measurement

Date of measurement: 03/18/2019

Measurement duration: 22 minutes 11 seconds

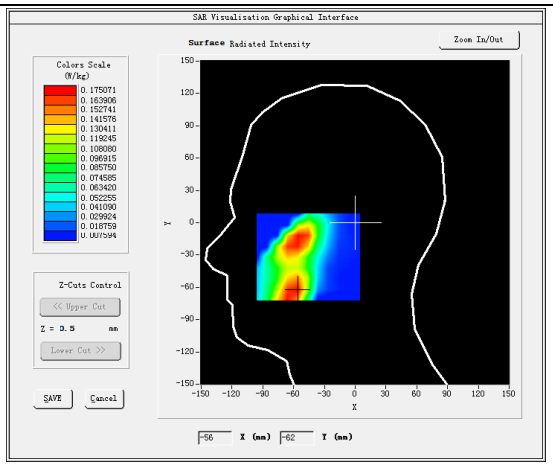
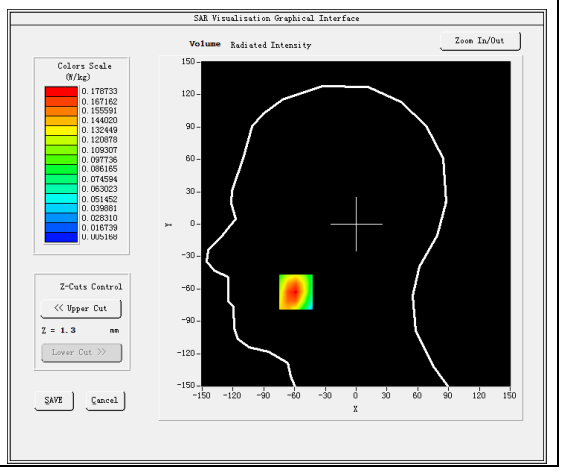
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN27/15 EPGO261
Frequency (MHz)	1880
Relative permittivity (real part)	40.52
Relative permittivity (imaginary part)	13.35
Conductivity (S/m)	1.41
Variation (%)	1.35
ConvF:	2.34

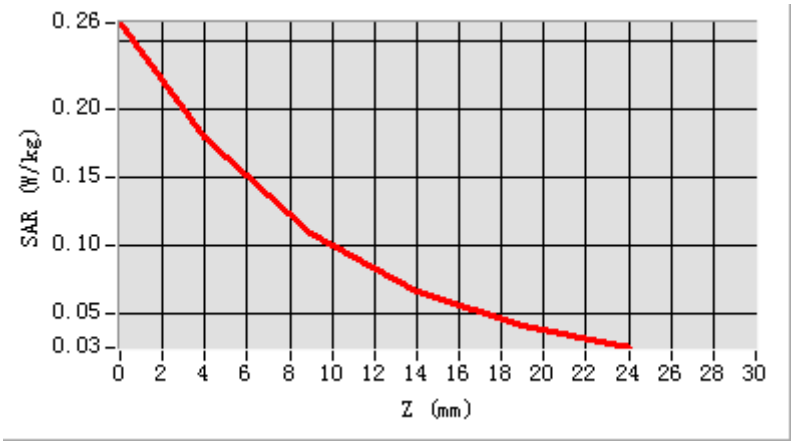
SURFACE SAR	**VOLUME SAR**
	

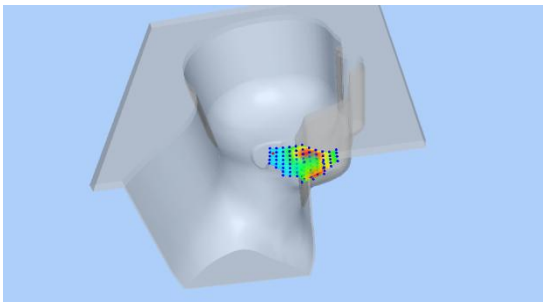
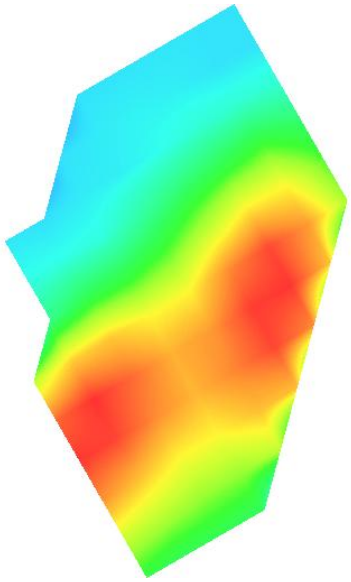
Maximum location: X=-59.00, Y=-63.00

SAR Peak: 0.27 W/kg

SAR 10g (W/Kg)	0.078408
SAR 1g (W/Kg)	0.120451

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2628	0.1787	0.1087	0.0665	0.0417



3D screen shot	Hot spot position
	

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

Type: Phone measurement

Date of measurement: 03/18/2019

Measurement duration: 22 minutes 43 seconds

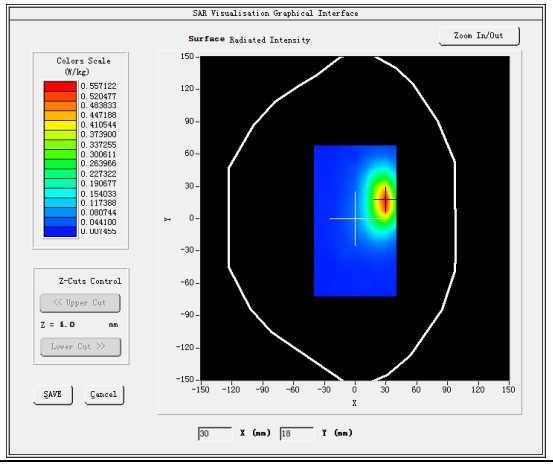
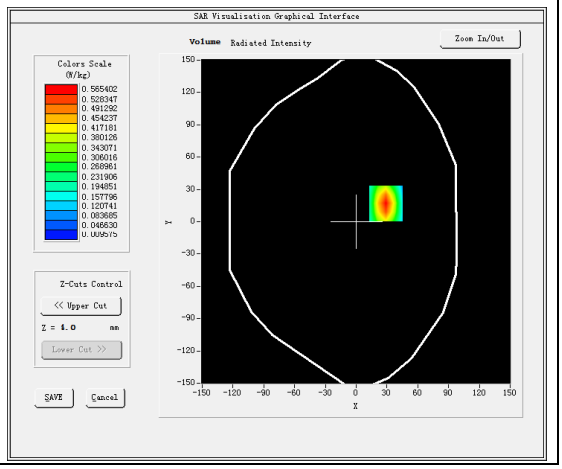
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN27/15 EPGO261
Frequency (MHz)	1880
Relative permittivity (real part)	53.35
Relative permittivity (imaginary part)	14.40
Conductivity (S/m)	1.52
Variation (%)	--1.57
ConvF:	2.39

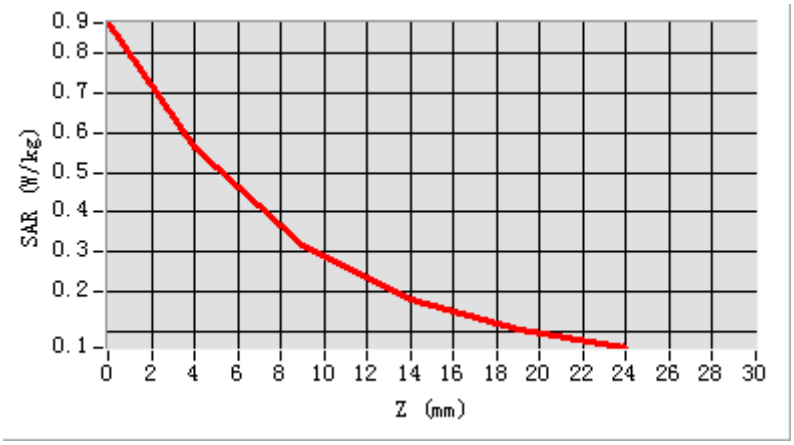
SURFACE SAR	**VOLUME SAR**
	

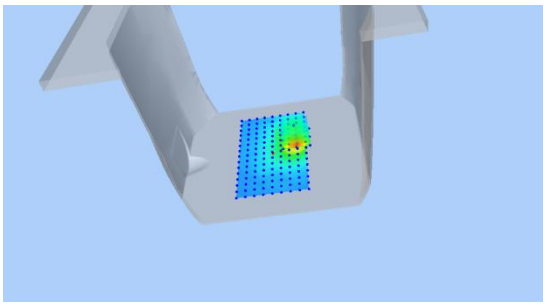
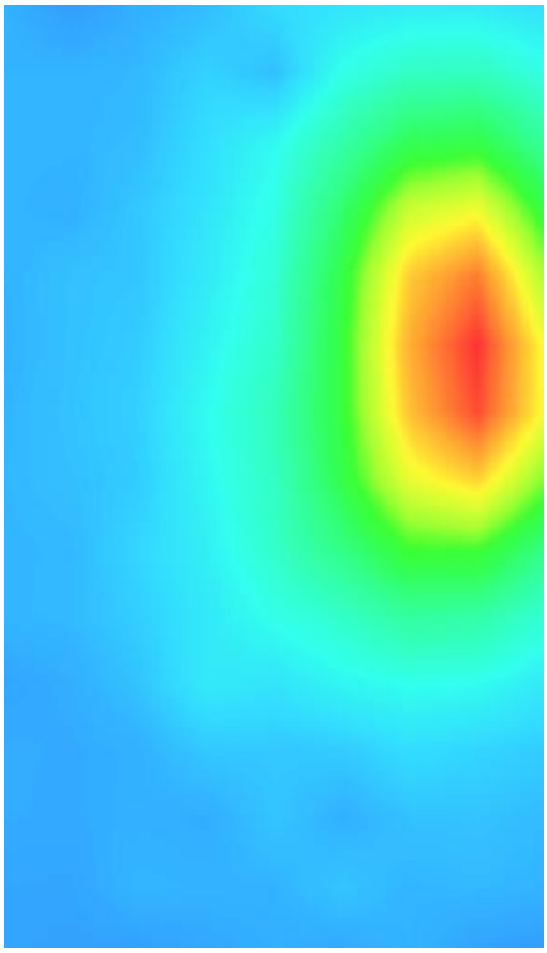
Maximum location: X=29.00, Y=17.00

SAR Peak: 0.88W/kg

SAR 10g (W/Kg)	0.270749
SAR 1g (W/Kg)	0.522661

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.8767	0.5654	0.3183	0.1793	0.1044



3D screen shot	Hot spot position
	

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

Type: Phone measurement

Date of measurement: 03/17/2019

Measurement duration: 22 minutes 13 seconds

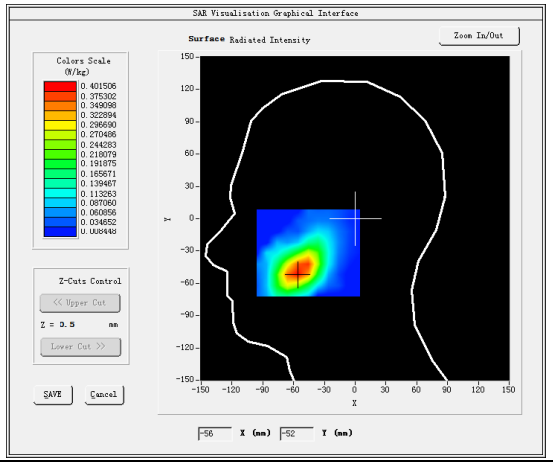
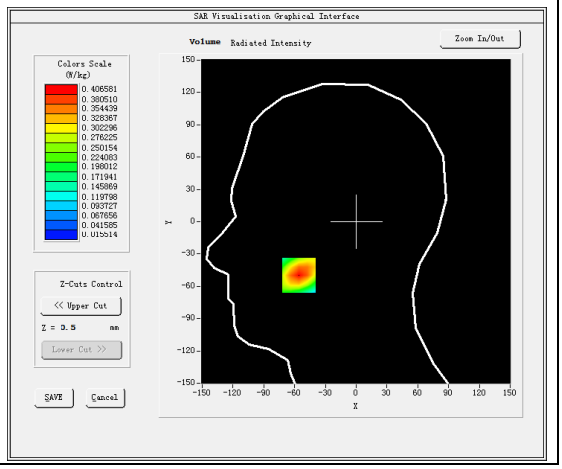
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN27/15 EPGO261
Frequency (MHz)	1732.5
Relative permittivity (real part)	40.49
Relative permittivity (imaginary part)	14.10
Conductivity (S/m)	1.41
Variation (%)	-1.52
ConvF:	2.14

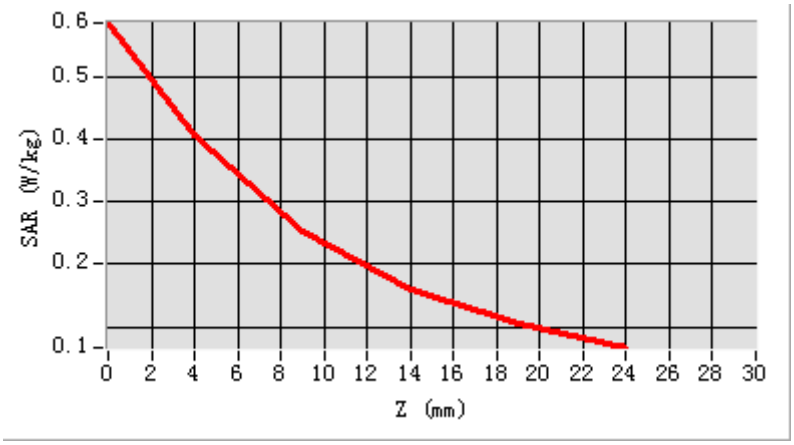
SURFACE SAR	**VOLUME SAR**
	

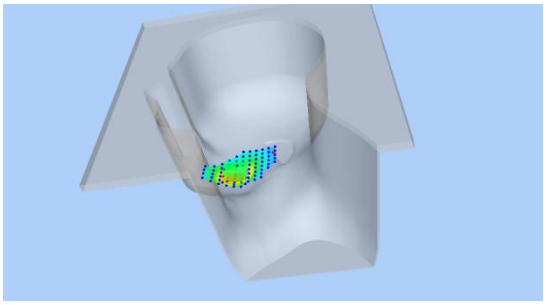
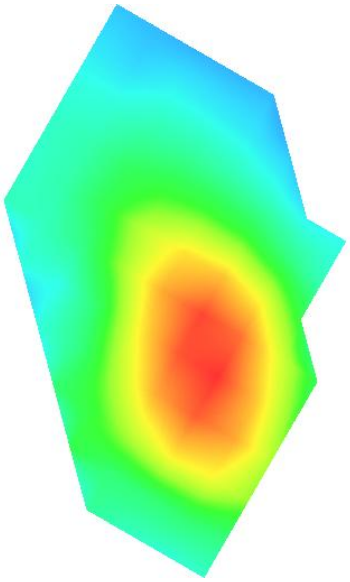
Maximum location: X=-56.00, Y=-50.00

SAR Peak: 0.59 W/kg

SAR 10g (W/Kg)	0.226728
SAR 1g (W/Kg)	0.389086

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.5874	0.4066	0.2539	0.1602	0.1040



3D screen shot	Hot spot position
	

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

Type: Phone measurement

Date of measurement: 03/17/2019

Measurement duration: 22 minutes 22 seconds

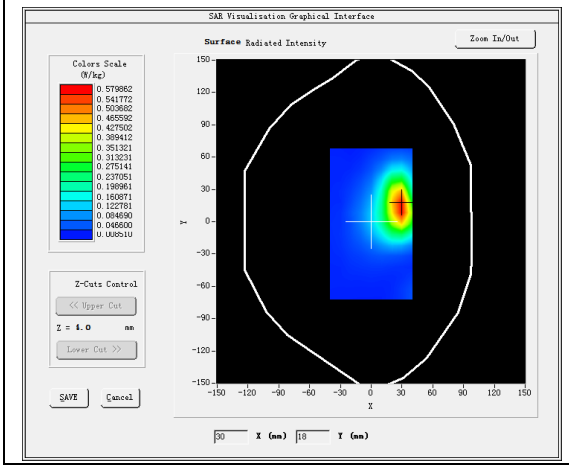
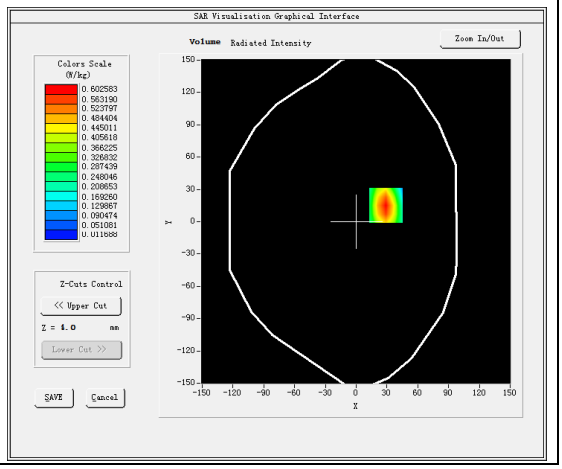
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN27/15 EPGO261
Frequency (MHz)	1732.5
Relative permittivity (real part)	53.31
Relative permittivity (imaginary part)	15.10
Conductivity (S/m)	1.51
Variation (%)	-3.35
ConvF:	2.22

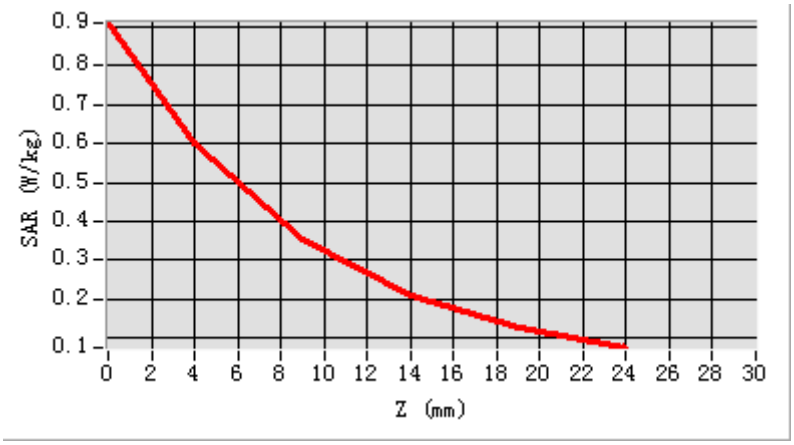
SURFACE SAR	**VOLUME SAR**
	

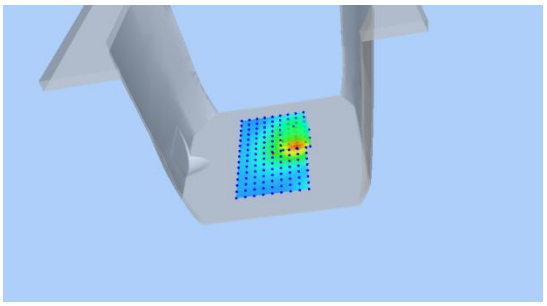
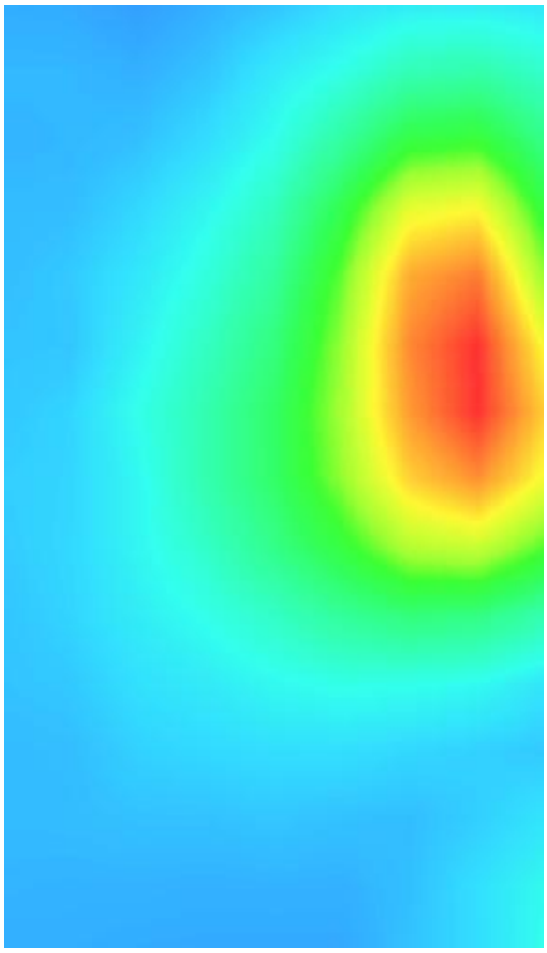
Maximum location: X=29.00, Y=15.00

SAR Peak: 0.91 W/kg

SAR 10g (W/Kg)	0.309639
SAR 1g (W/Kg)	0.572270

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.9099	0.6026	0.3530	0.2079	0.1264



3D screen shot	Hot spot position
	

Plot 13 LTE Band5, 10MHz,Left Cheek, Middle

Type: Phone measurement

Date of measurement: 03/16/2019

Measurement duration: 22 minutes 25econds

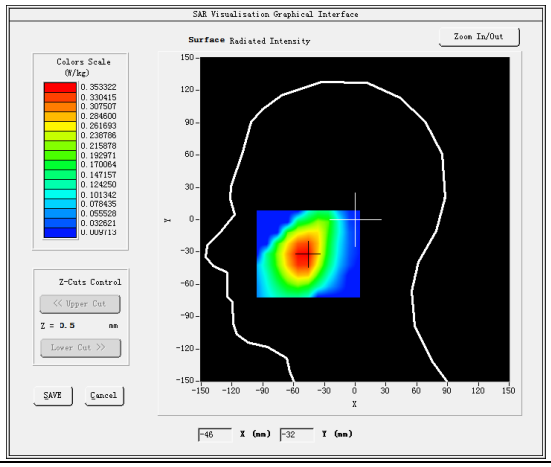
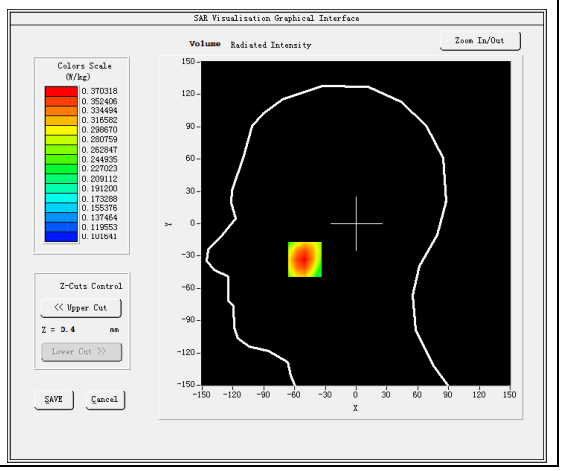
Mobile Phone IMEI number: --

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 SN27/15 EPGO261
Frequency (MHz)	836.5
Relative permittivity (real part)	41.52
Relative permittivity (imaginary part)	19.05
Conductivity (S/m)	0.90
Variation (%)	-1.66
ConvF:	1.90

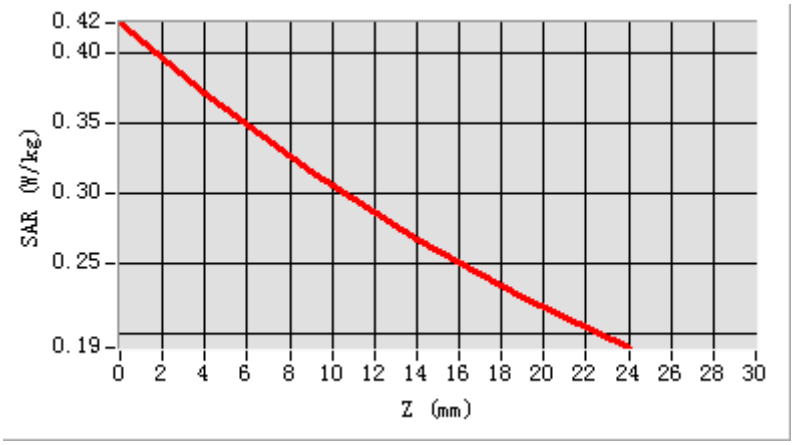
SURFACE SAR	**VOLUME SAR**
	

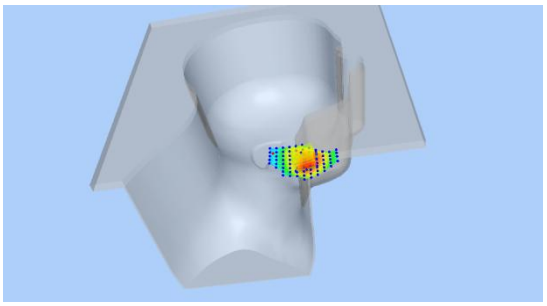
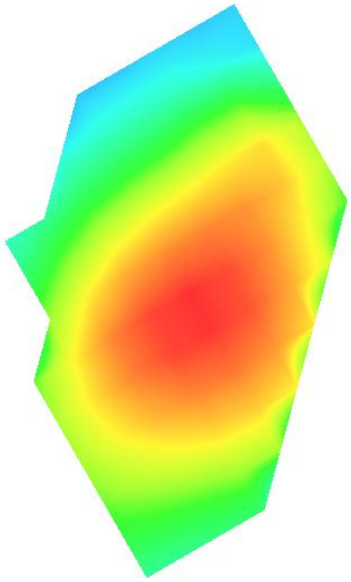
Maximum location: X=-50.00, Y=-33.00

SAR Peak: 0.42 W/kg

SAR 10g (W/Kg)	0.285368
SAR 1g (W/Kg)	0.363870

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4208	0.3703	0.3150	0.2676	0.2267



3D screen shot	Hot spot position
	

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

Type: Phone measurement

Date of measurement: 03/16/2019

Measurement duration: 22 minutes 23 seconds

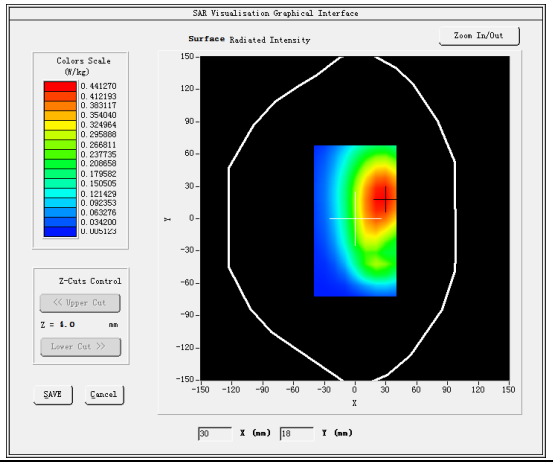
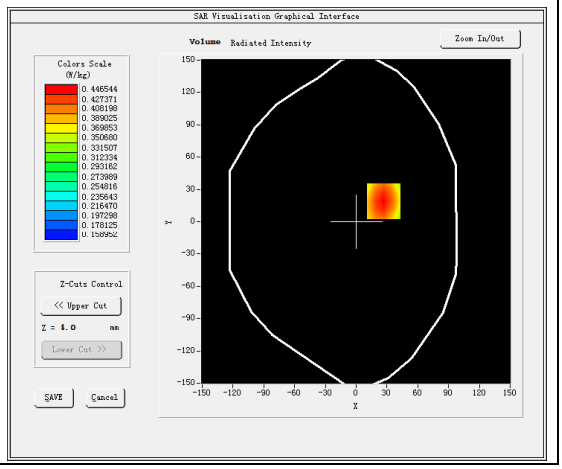
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN27/15 EPGO261
Frequency (MHz)	836.5
Relative permittivity (real part)	55.21
Relative permittivity (imaginary part)	20.69
Conductivity (S/m)	0.96
Variation (%)	-2.88
ConvF:	1.97

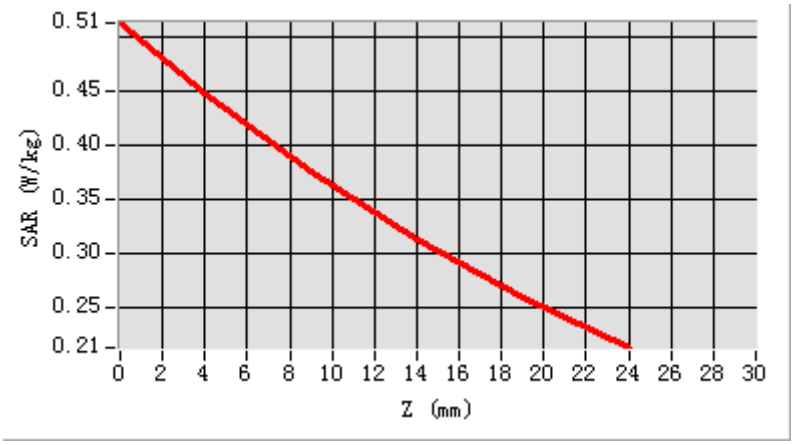
SURFACE SAR	**VOLUME SAR**
	

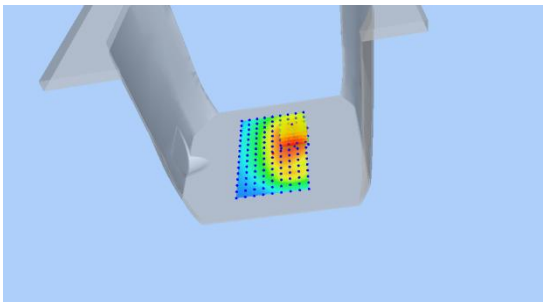
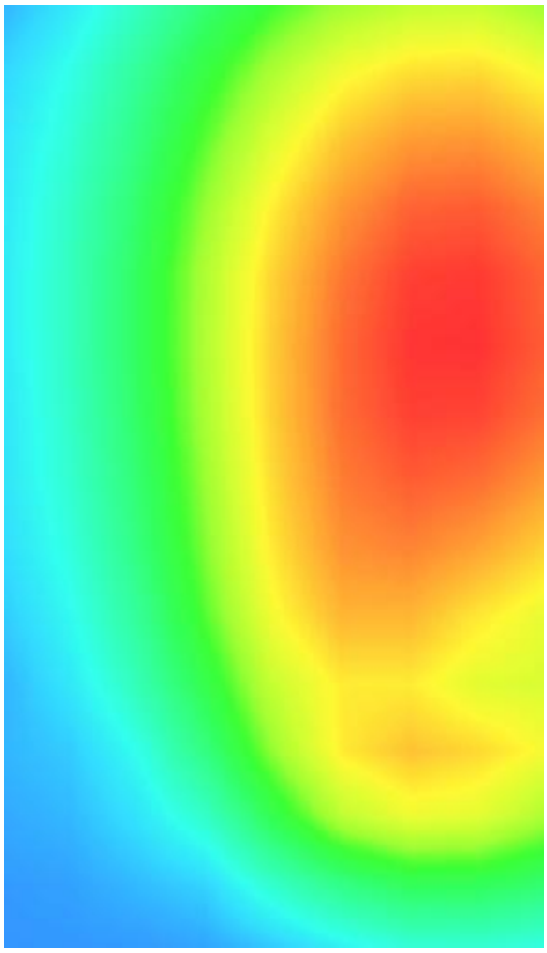
Maximum location: X=27.00, Y=19.00

SAR Peak: 0.51W/kg

SAR 10g (W/Kg)	0.348311
SAR 1g (W/Kg)	0.440143

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.5120	0.4465	0.3746	0.3128	0.2596



3D screen shot	Hot spot position
	

Plot 15 LTE Band12, 10MHz,Left Cheek, Middle

Type: Phone measurement

Date of measurement: 03/15/2019

Measurement duration: 22 minutes 11 seconds

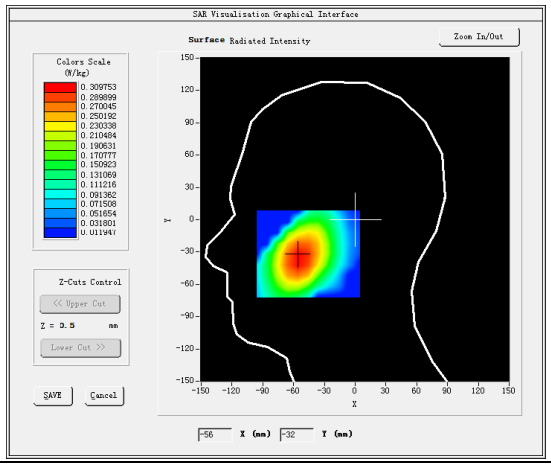
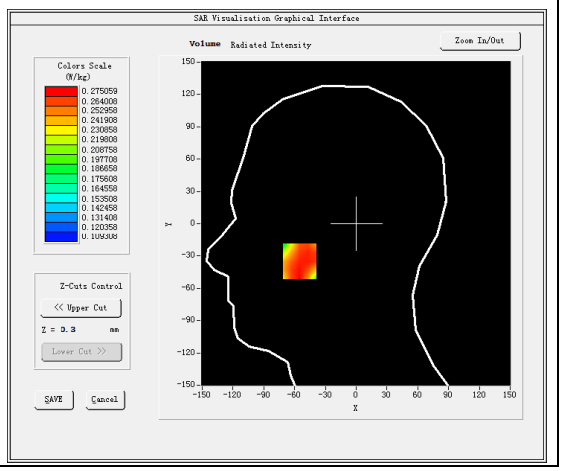
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN27/15 EPGO261
Frequency (MHz)	707.5
Relative permittivity (real part)	41.88
Relative permittivity (imaginary part)	21.36
Conductivity (S/m)	0.89
Variation (%)	-3.66
ConvF:	1.87

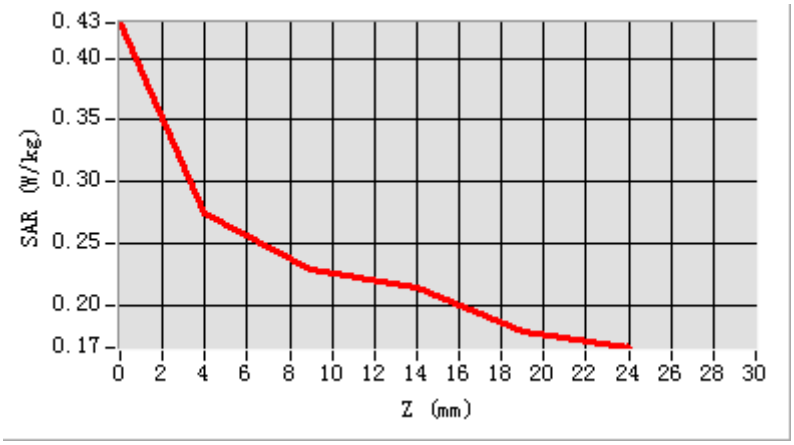
SURFACE SAR	**VOLUME SAR**
	

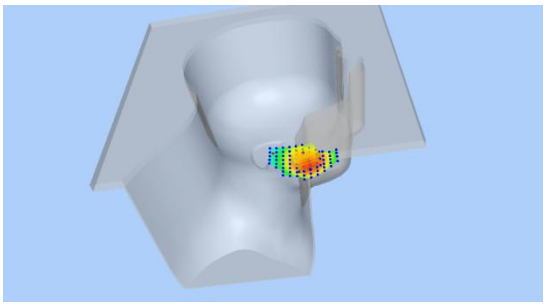
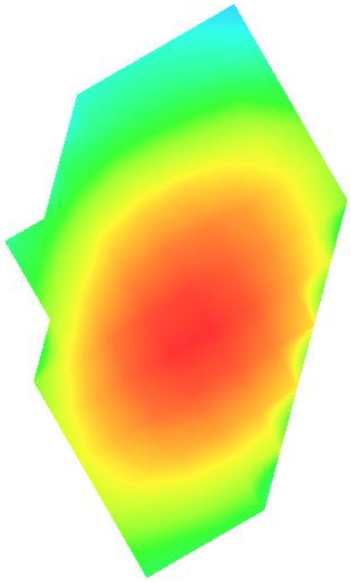
Maximum location: X=--55.00, Y=-35.00

SAR Peak: 0.31W/kg

SAR 10g (W/Kg)	0.245167
SAR 1g (W/Kg)	0.380711

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4285	0.2751	0.2290	0.2137	0.1782



3D screen shot	Hot spot position
	

Plot 16LTE Band12, 10MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 03/15/2019

Measurement duration: 22 minutes 15 seconds

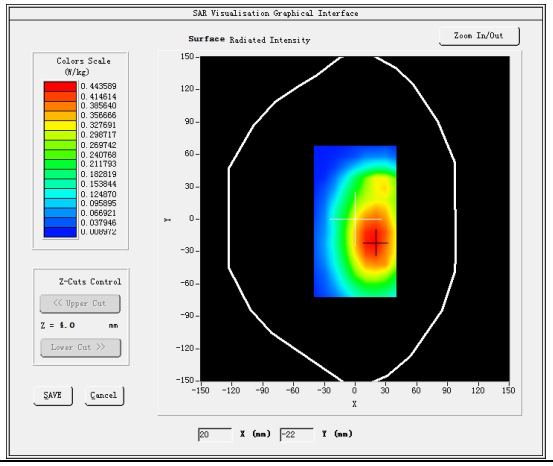
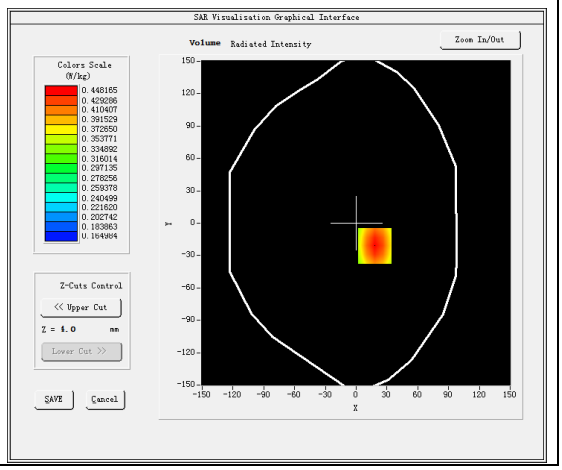
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN27/15 EPGO261
Frequency (MHz)	707.5
Relative permittivity (real part)	55.36
Relative permittivity (imaginary part)	23.04
Conductivity (S/m)	0.96
Variation (%)	-3.17
ConvF:	1.93

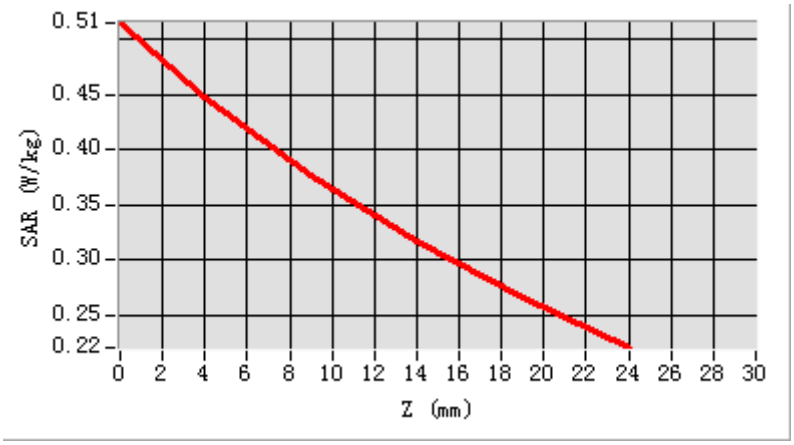
SURFACE SAR	**VOLUME SAR**
	

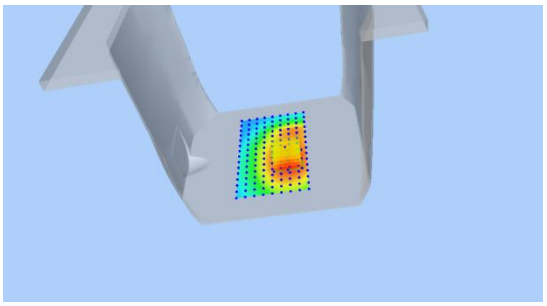
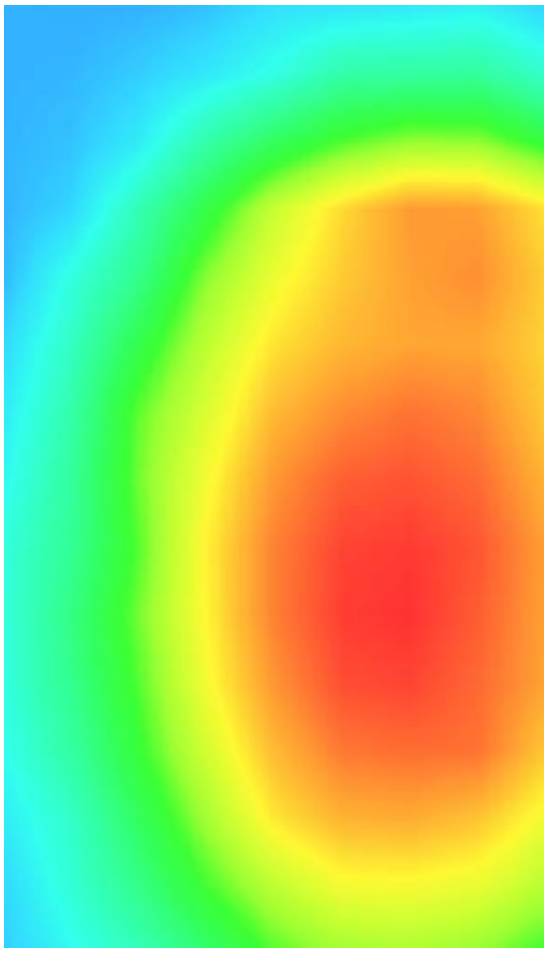
Maximum location: X=18.00, Y=-21.00

SAR Peak: 0.52W/kg

SAR 10g (W/Kg)	0.351205
SAR 1g (W/Kg)	0.444206

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.5145	0.4482	0.3765	0.3163	0.2653



3D screen shot	Hot spot position
	

Plot 17 LTE Band13, 10MHz,Left Cheek, Middle

Type: Phone measurement

Date of measurement: 03/15/2019

Measurement duration: 22 minutes 19 seconds

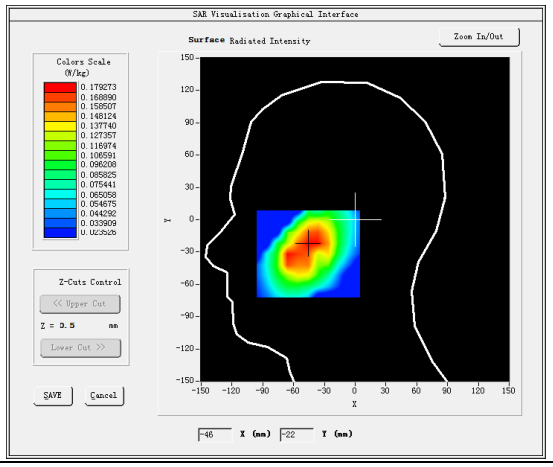
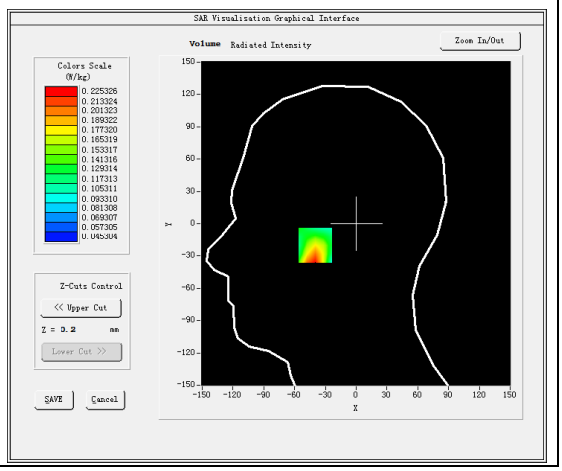
Mobile Phone IMEI number: -

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Cheek
Band	LTE Band 13
Channels	23230
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN27/15 EPGO261
Frequency (MHz)	782
Relative permittivity (real part)	41.88
Relative permittivity (imaginary part)	21.36
Conductivity (S/m)	0.89
Variation (%)	-0.39
ConvF:	1.87

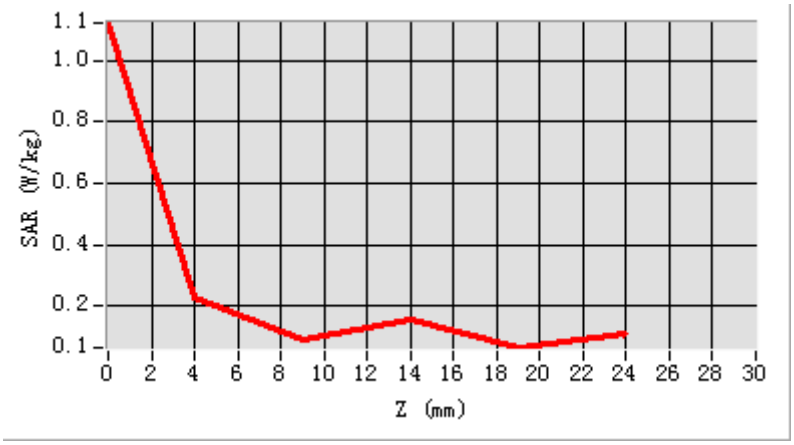
SURFACE SAR	**VOLUME SAR**
	

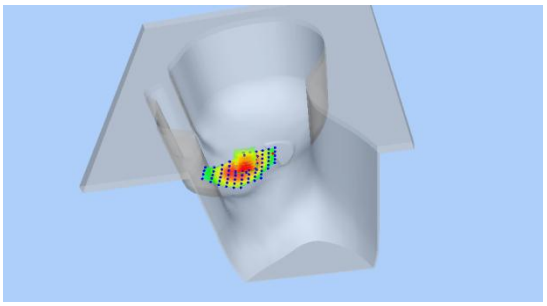
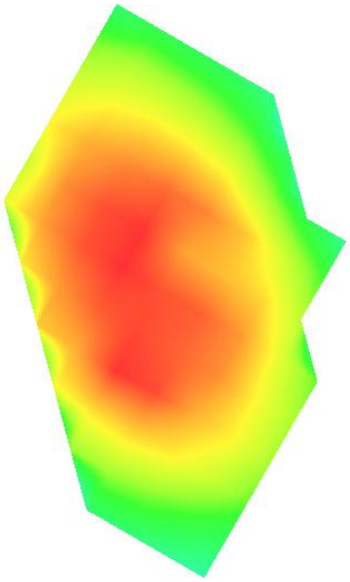
Maximum location: X=--40.00, Y=-20.00

SAR Peak: 0.26 W/kg

SAR 10g (W/Kg)	0.091051
SAR 1g (W/Kg)	0.165053

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.0574	0.2153	0.0784	0.1246	0.0336



3D screen shot	Hot spot position
	

Plot 18 LTE Band13, 10MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 03/15/2019

Measurement duration: 22 minutes 11 seconds

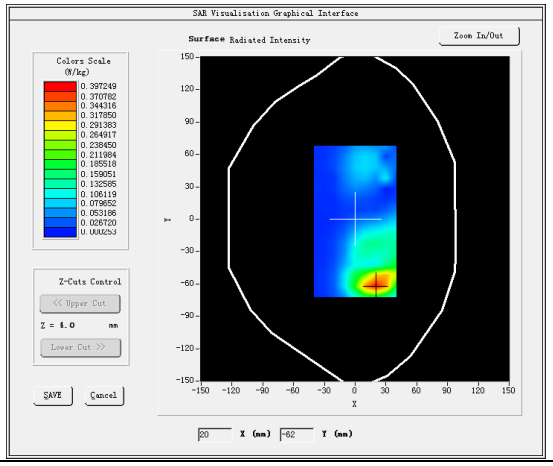
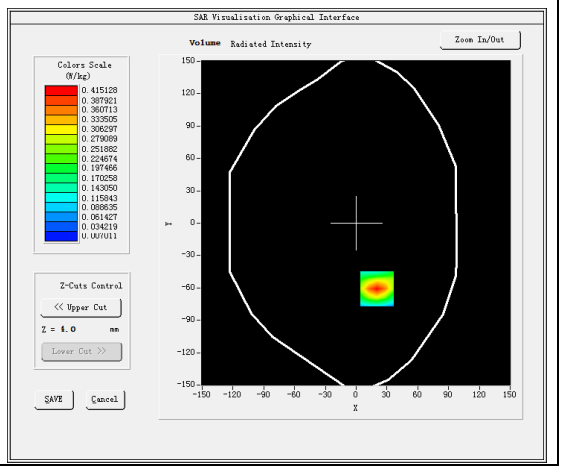
Mobile Phone IMEI number: --

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 13
Channels	23230
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN27/15 EPGO261
Frequency (MHz)	782
Relative permittivity (real part)	55.36
Relative permittivity (imaginary part)	23.04
Conductivity (S/m)	0.96
Variation (%)	0.84
ConvF:	1.93

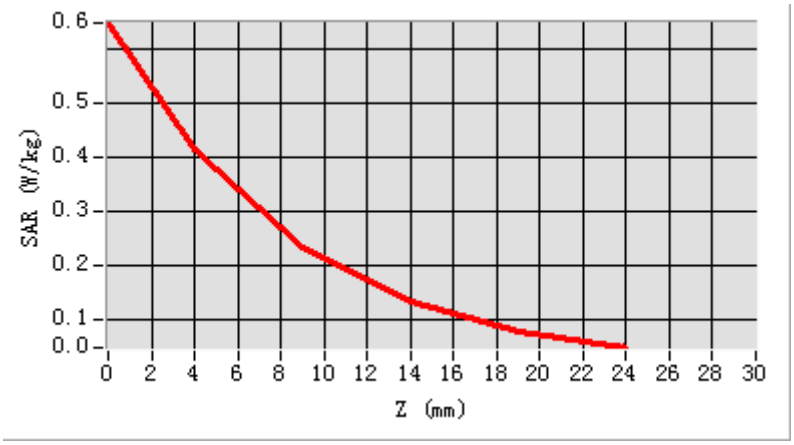
SURFACE SAR	**VOLUME SAR**
	

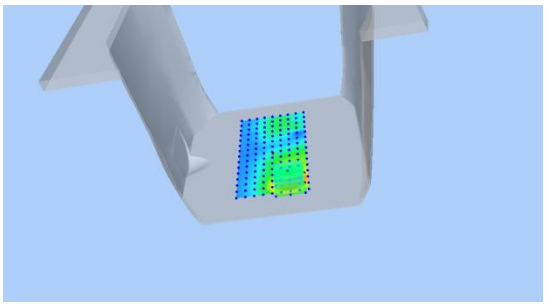
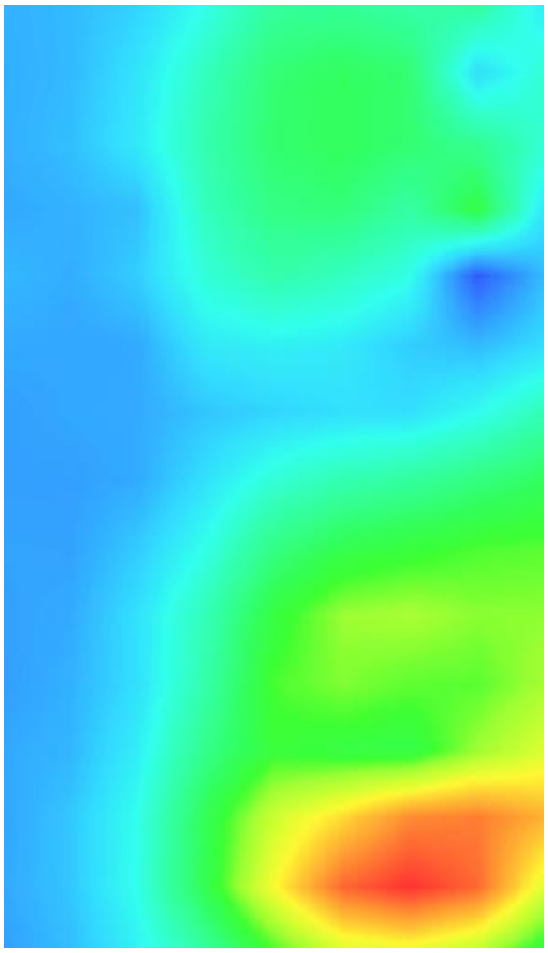
Maximum location: X=20.00, Y=-61.00

SAR Peak: 0.65W/kg

SAR 10g (W/Kg)	0.195294
SAR 1g (W/Kg)	0.428084

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6488	0.4151	0.2323	0.1319	0.0793



3D screen shot	Hot spot position
	

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

Type: Phone measurement

Date of measurement: 03/15/2019

Measurement duration: 22 minutes 33 seconds

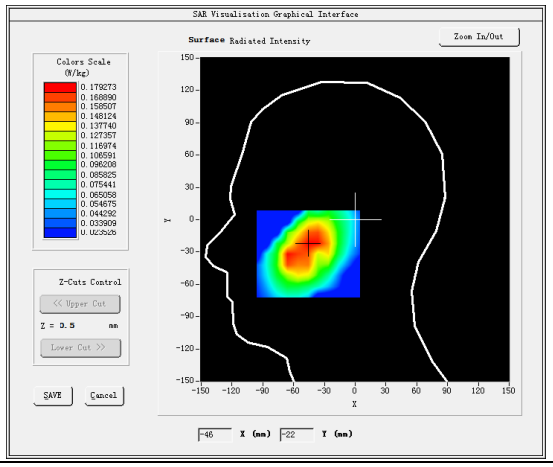
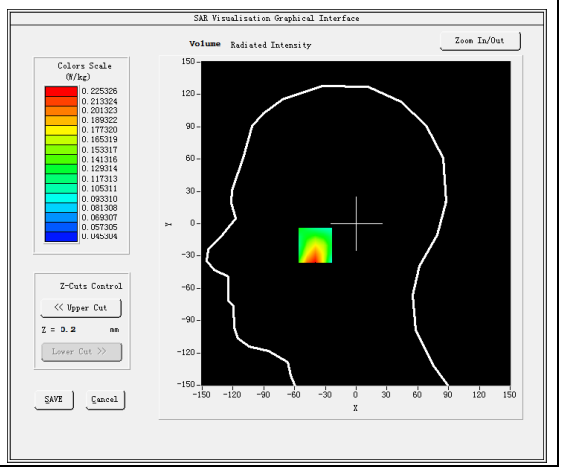
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN27/15 EPGO261
Frequency (MHz)	710
Relative permittivity (real part)	41.88
Relative permittivity (imaginary part)	21.36
Conductivity (S/m)	0.89
Variation (%)	-4.42
ConvF:	1.87

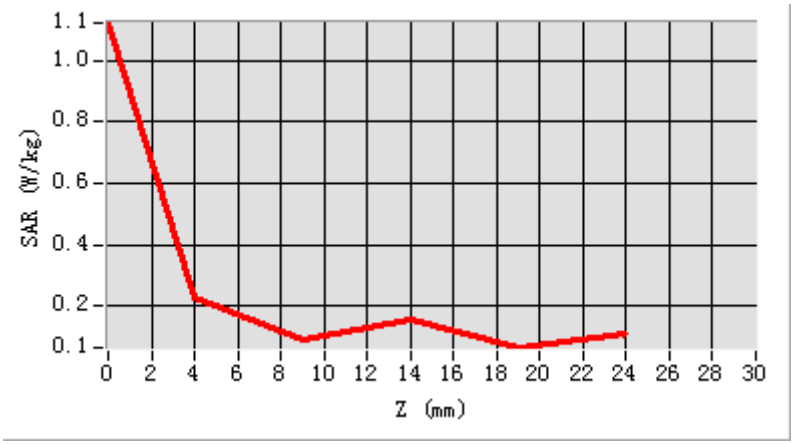
SURFACE SAR	**VOLUME SAR**
	

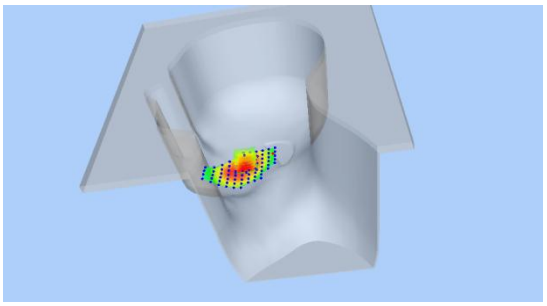
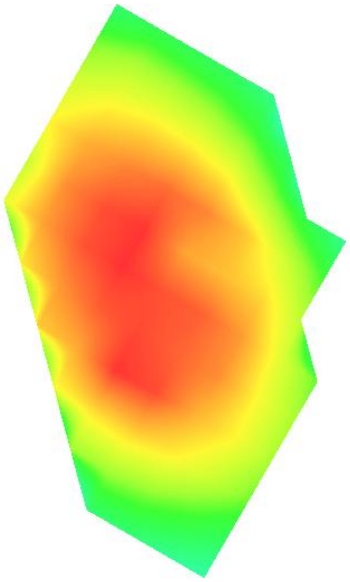
Maximum location: X=--40.00, Y=-20.00

SAR Peak: 0.26 W/kg

SAR 10g (W/Kg)	0.165053
SAR 1g (W/Kg)	0.212115

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.1225	0.2253	0.0919	0.1557	0.0637



3D screen shot	Hot spot position
	

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

Type: Phone measurement

Date of measurement: 03/15/2019

Measurement duration: 22 minutes 16 seconds

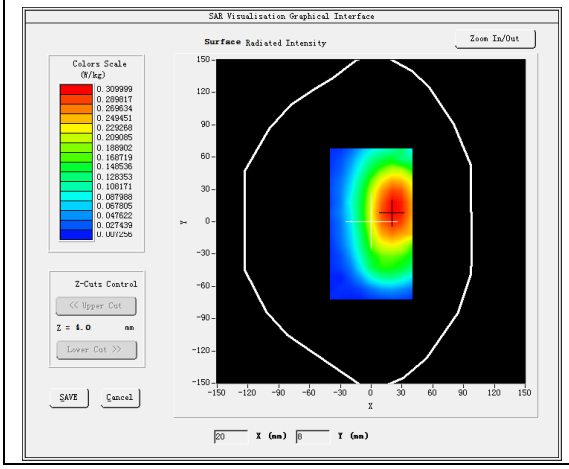
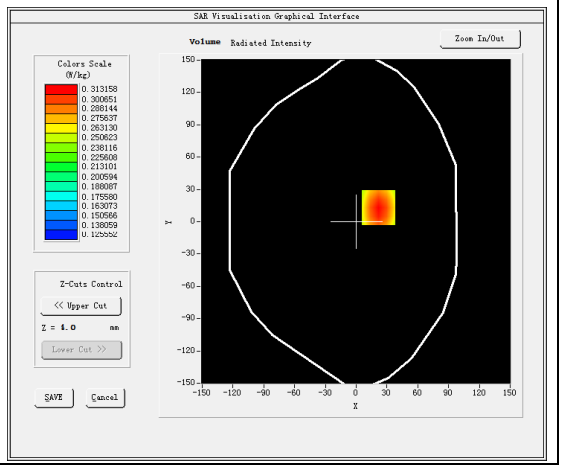
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN27/15 EPGO261
Frequency (MHz)	710
Relative permittivity (real part)	55.36
Relative permittivity (imaginary part)	23.04
Conductivity (S/m)	0.96
Variation (%)	-4.13
ConvF:	1.93

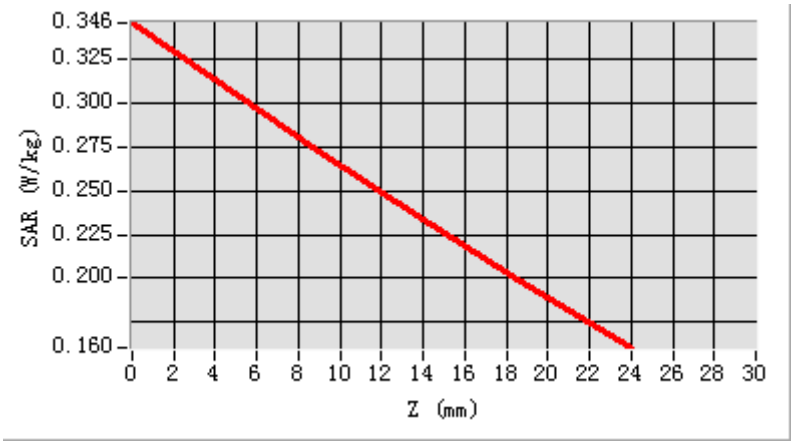
SURFACE SAR	**VOLUME SAR**
	

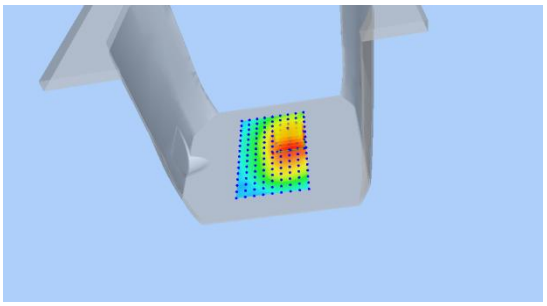
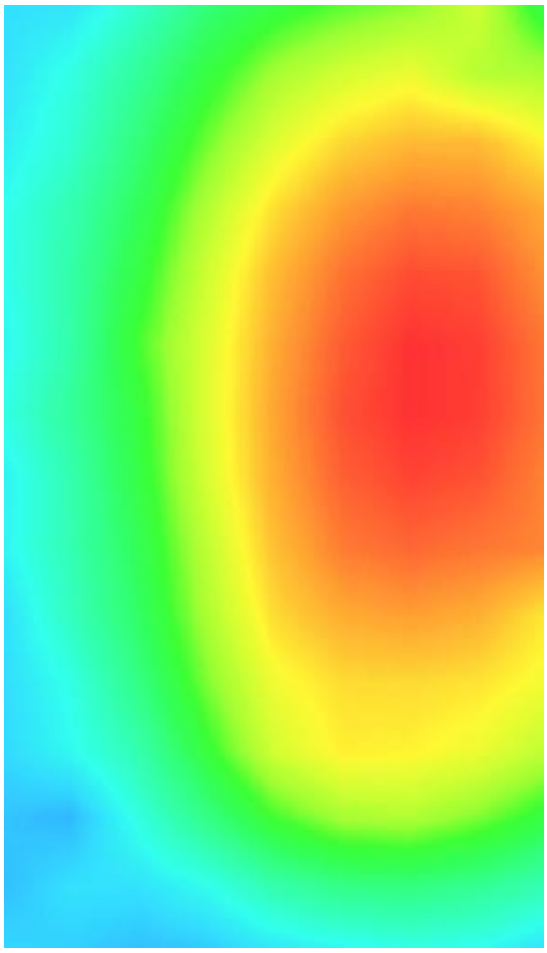
Maximum location: X=22.00, Y=13.00

SAR Peak: 0.35W/kg

SAR 10g (W/Kg)	0.251625
SAR 1g (W/Kg)	0.310583

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3457	0.3132	0.2729	0.2335	0.1956



3D screen shot	Hot spot position
	

Plot 21: WIFI 2.4G 802.11b,Left Cheek, High

Type: Phone measurement

Date of measurement: 03/19/2019

Measurement duration: 22 minutes 25 seconds

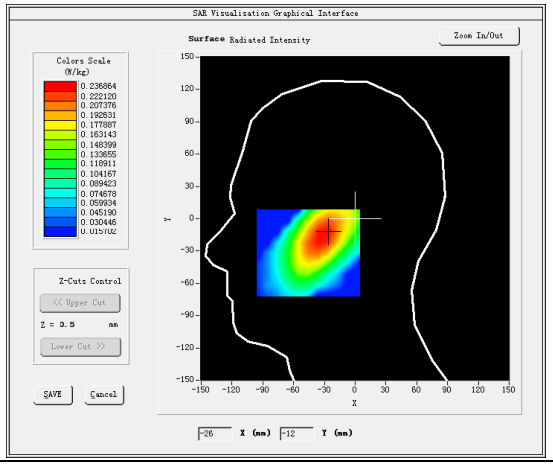
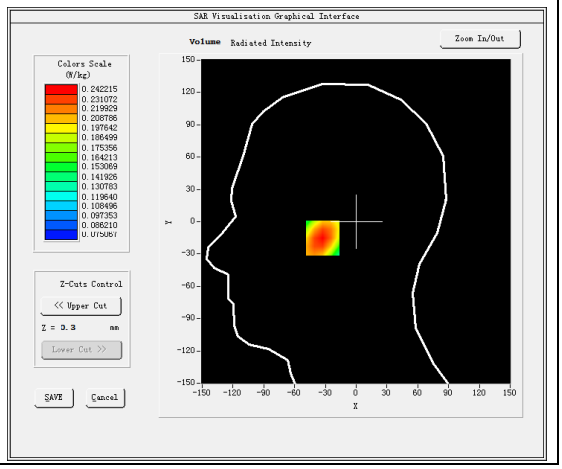
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Left Cheek
Band	WIFI
Channels	11
Signal	OFDM (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN27/15 EPGO261
Frequency (MHz)	2462
Relative permittivity (real part)	39.24
Relative permittivity (imaginary part)	13.44
Conductivity (S/m)	1.83
Variation (%)	-3.15
ConvF:	2.37

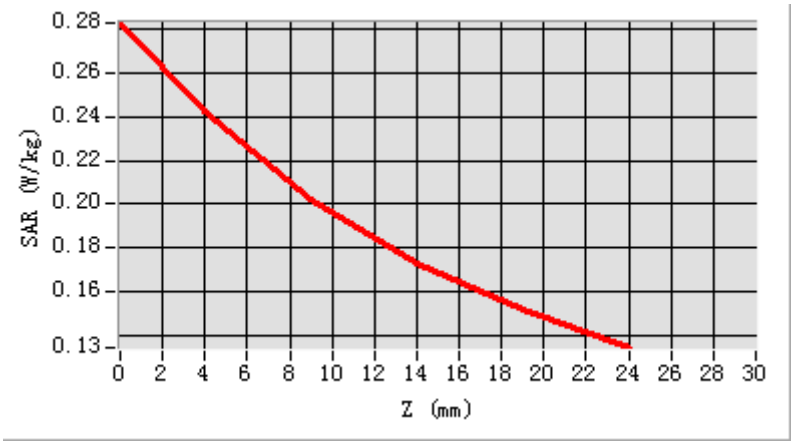
SURFACE SAR	**VOLUME SAR**
	

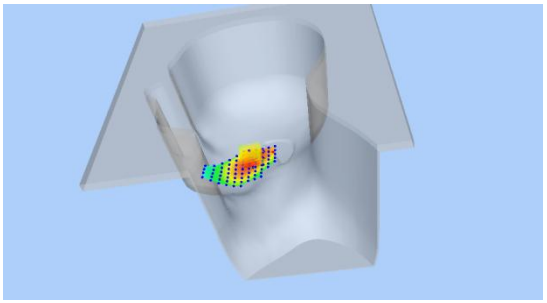
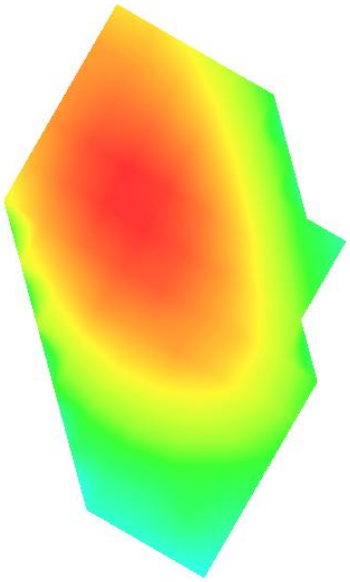
Maximum location: X=-30.00, Y=-15.00

SAR Peak: 0.28W/kg

SAR 10g (W/Kg)	0.190439
SAR 1g (W/Kg)	0.238434

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2825	0.2422	0.2026	0.1734	0.1521



3D screen shot	Hot spot position
	

Plot 22: WIFI 2.4G 802.11b, Body Back, 10mm

Type: Phone measurement

Date of measurement: 03/19/2019

Measurement duration: 22 minutes 36 seconds

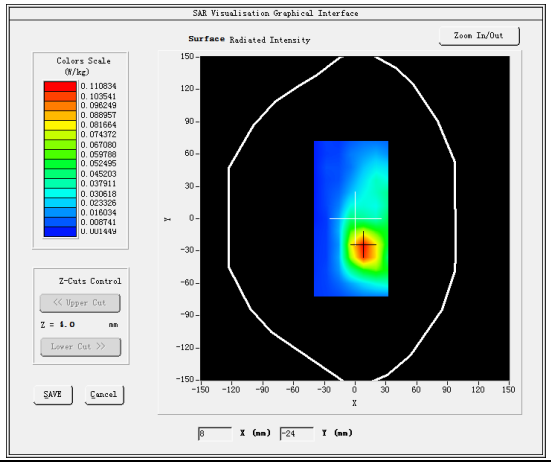
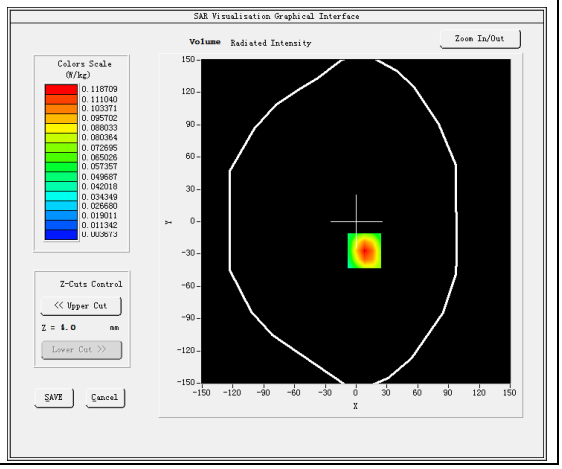
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	WIFI
Channels	11
Signal	OFDM (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN27/15 EPGO261
Frequency (MHz)	2462
Relative permittivity (real part)	52.73
Relative permittivity (imaginary part)	14.40
Conductivity (S/m)	1.96
Variation (%)	-2.30
ConvF:	2.46

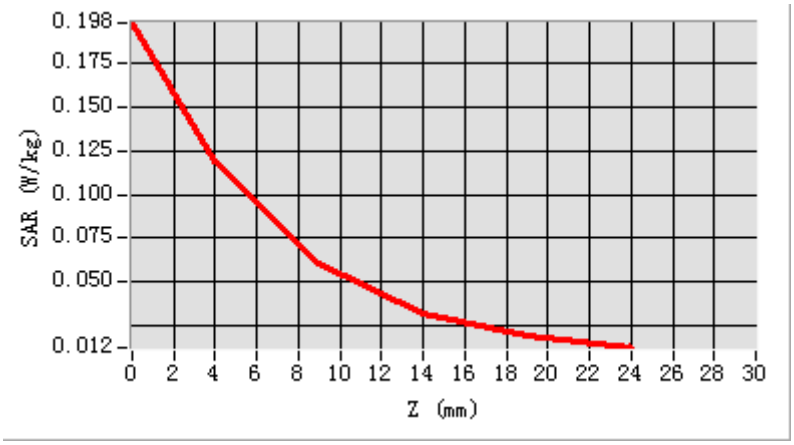
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=8.00, Y=-27.00

SAR Peak: 0.20W/kg

SAR 10g (W/Kg)	0.058620
SAR 1g (W/Kg)	0.111797

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1985	0.1187	0.0605	0.0318	0.0189



3D screen shot	Hot spot position