



ANNEX B
of
CCIC-SET

CONFORMANCE TEST REPORT FOR
HUMAN EXPOSURE TO ELECTROMAGNETIC FIELDS

SET2016-22546

LTE/WCDMA/GSM (GPRS) Multi-Mode Digital Mobile Phone

Type Name: ZTE BLADE A520; BLADE A520

Hardware Version: u3gA

Software Version: TEL_MX_BLADE_A520V1.0.0

System Performance Check Data and Highest SAR Plots

This Annex consists of 69 pages

Date of Report: 2016-12-21

System Performance Check (Head, 750MHz)

Type: Validation measurement

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 04/12/2016

Measurement duration: 22 minutes 13seconds

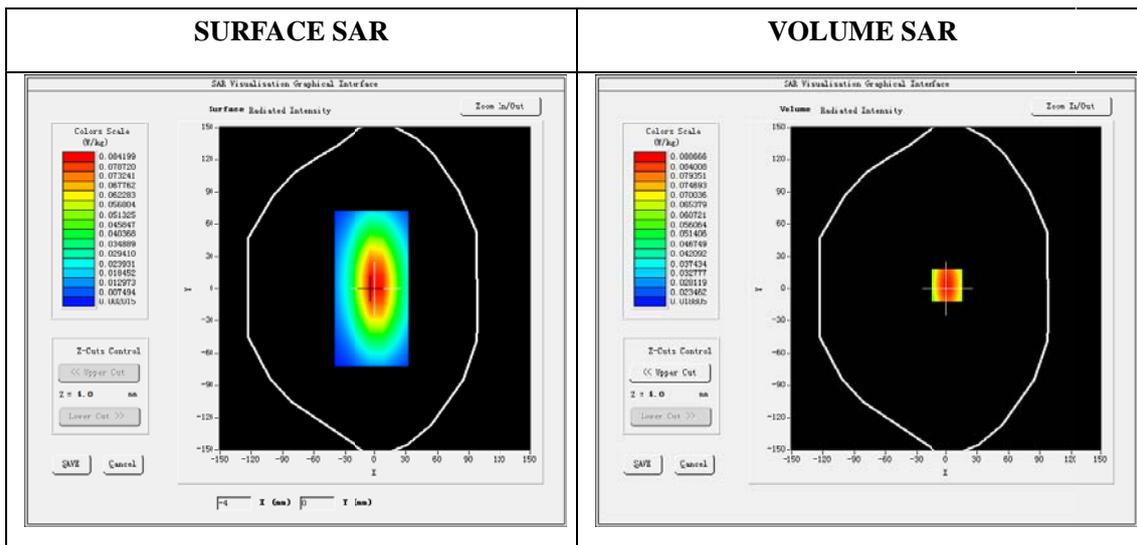
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	750MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

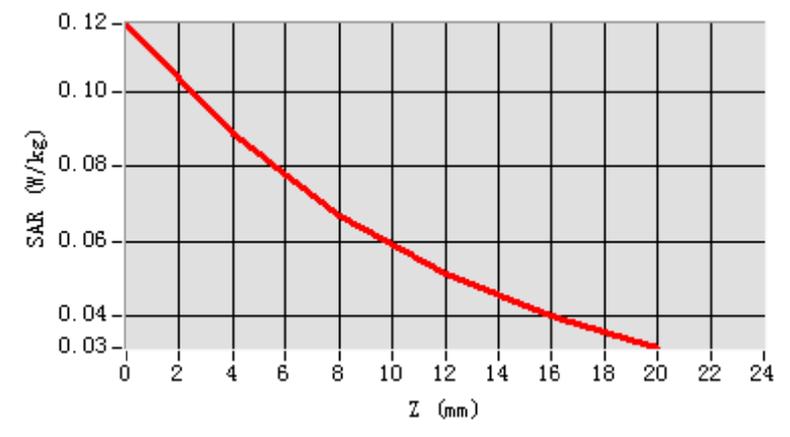
E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	750
Relative permittivity (real part)	41.82
Relative permittivity	20.26
Conductivity (S/m)	0.86
Power drift (%)	-0.33
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
ConvF:	5.96
Duty factor:	1:1

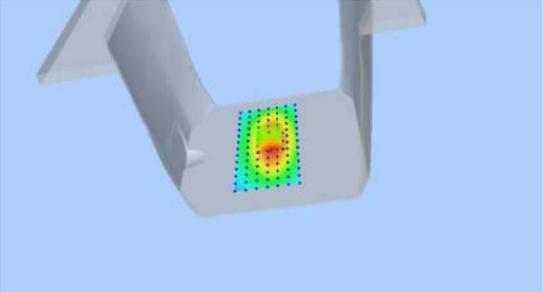
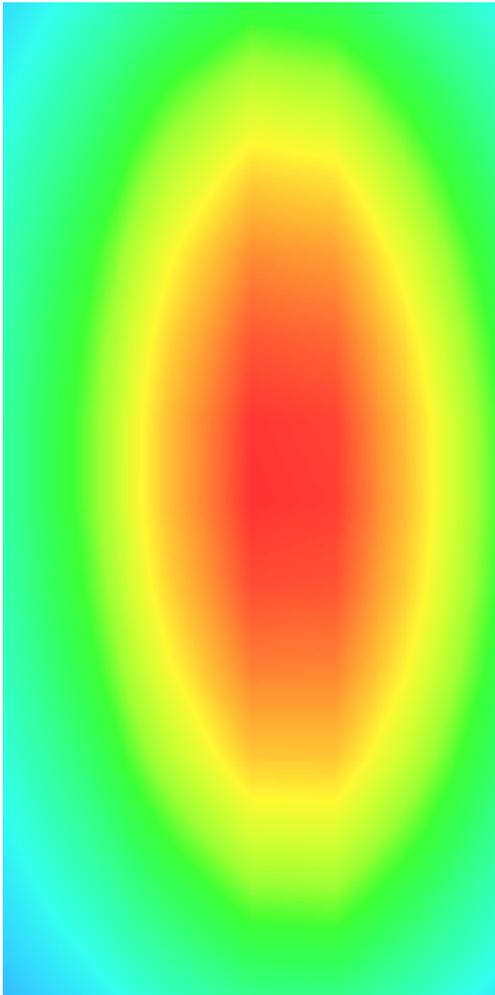


Maximum location: X=0.00, Y=3.00

SAR 10g (W/Kg)	0.057456
SAR 1g (W/Kg)	0.084921

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.1146	0.0824	0.0633	0.0515	0.0408



3D screen shot	Hot spot position
	

System Performance Check (Head, 835MHz)

Type: Validation measurement

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 05/12/2016

Measurement duration: 22 minutes 23seconds

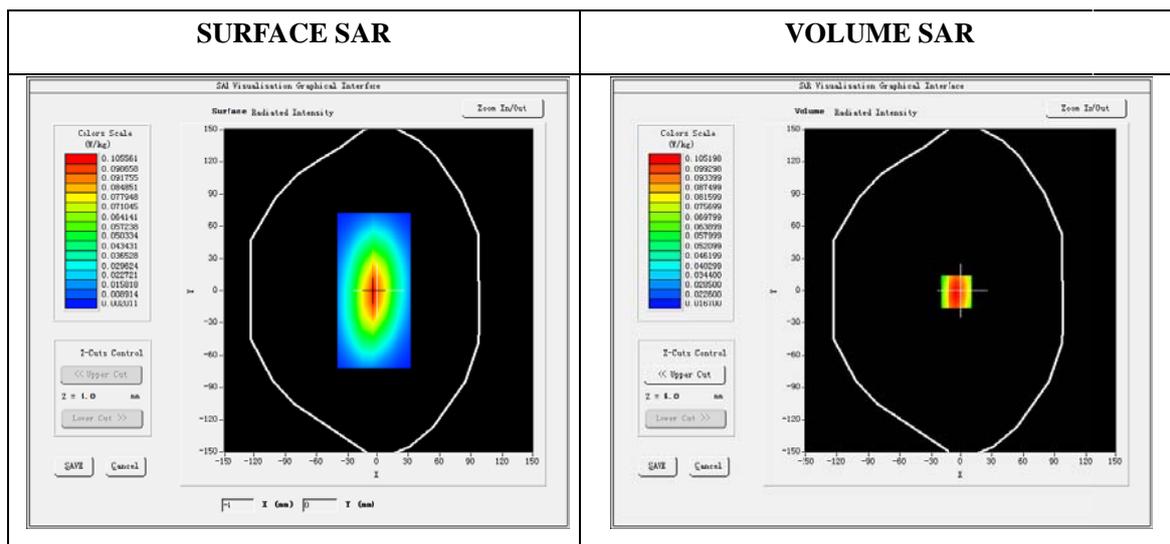
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	850MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

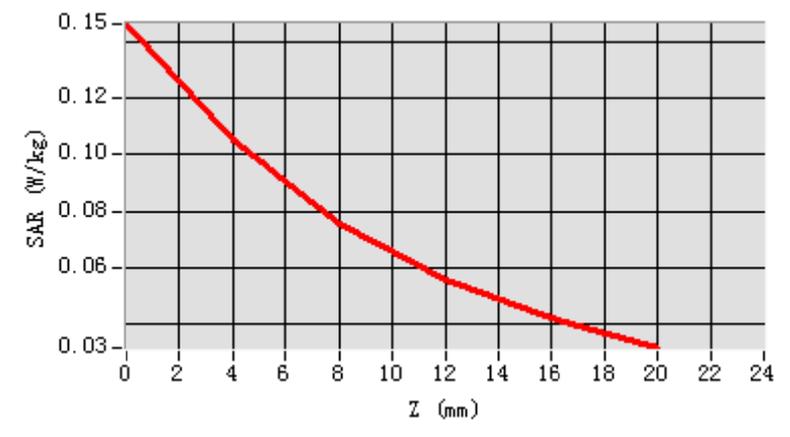
E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	835
Relative permittivity (real part)	41.65
Relative permittivity	19.44
Conductivity (S/m)	0.88
Power drift (%)	-0.39
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
ConvF:	7.07
Duty factor:	1:1

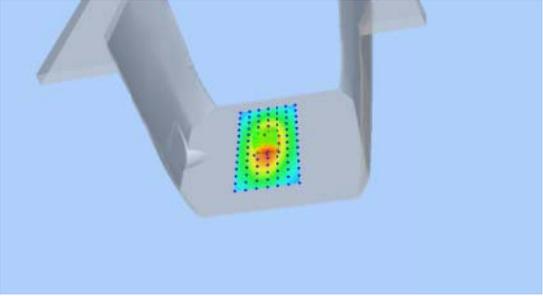
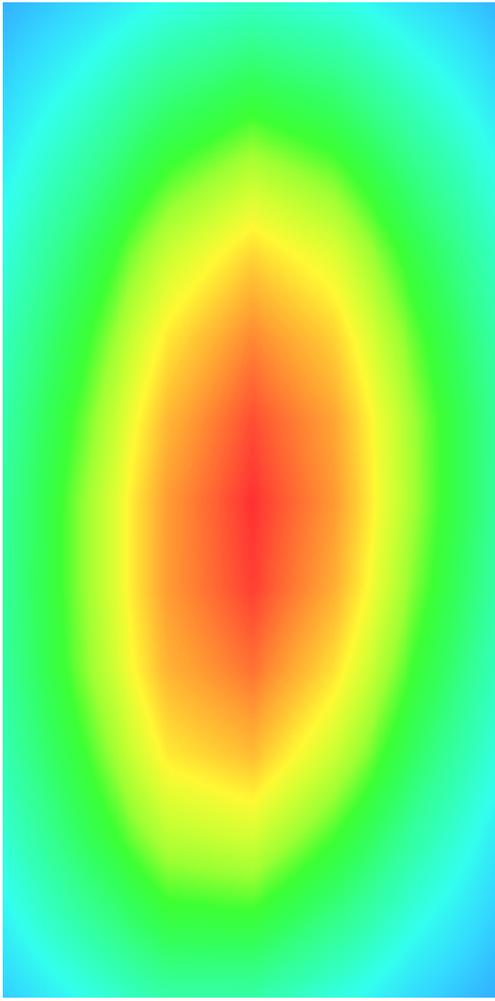


Maximum location: X=-5.00, Y=-1.00

SAR 10g (W/Kg)	0.063214
SAR 1g (W/Kg)	0.098841

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.1436	0.1021	0.0713	0.0525	0.0406



3D screen shot	Hot spot position
	

System Performance Check (Head ,1800MHz)

Type: Validation measurement

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 06/12/2016

Measurement duration: 22 minutes 25seconds

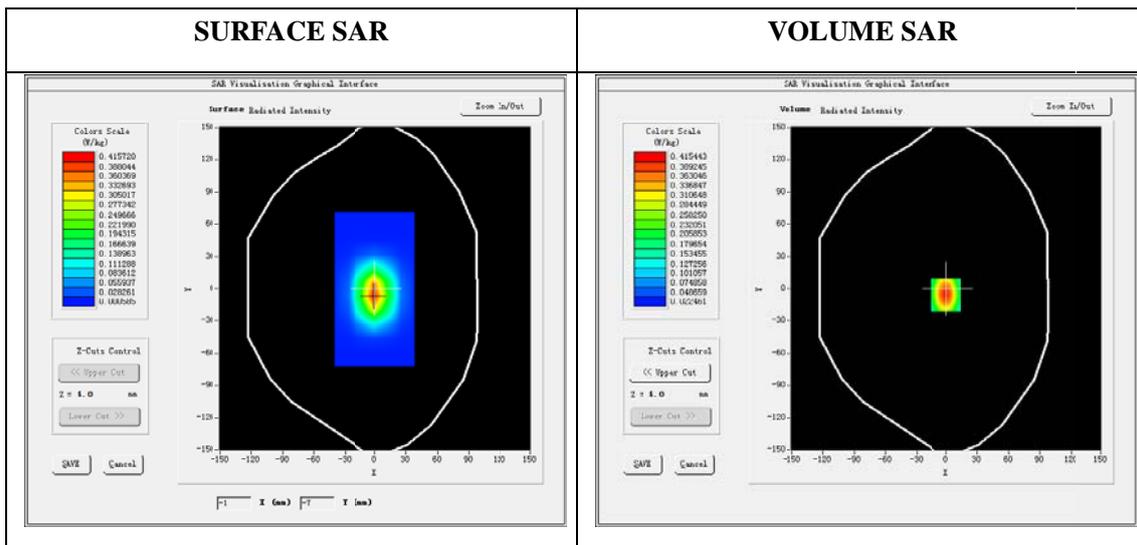
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	1800MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

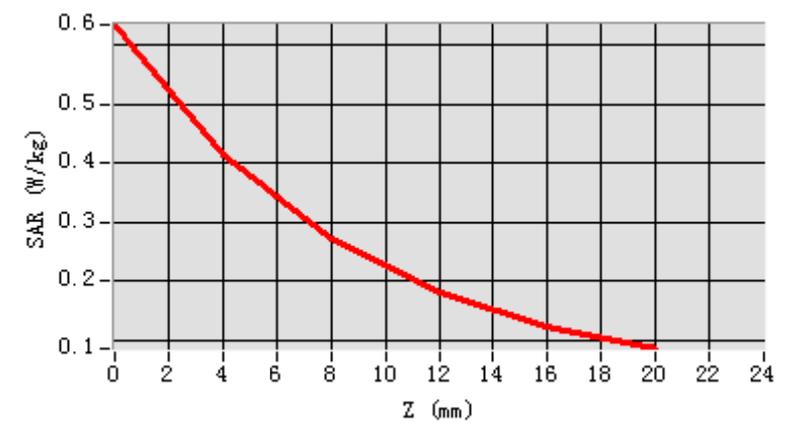
E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	1800
Relative permittivity (real part)	40.33
Relative permittivity	14.48
Conductivity (S/m)	1.41
Power drift (%)	-0.23
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
ConvF:	5.44
Duty factor:	1:1

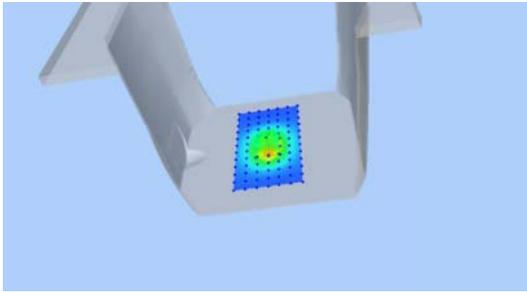
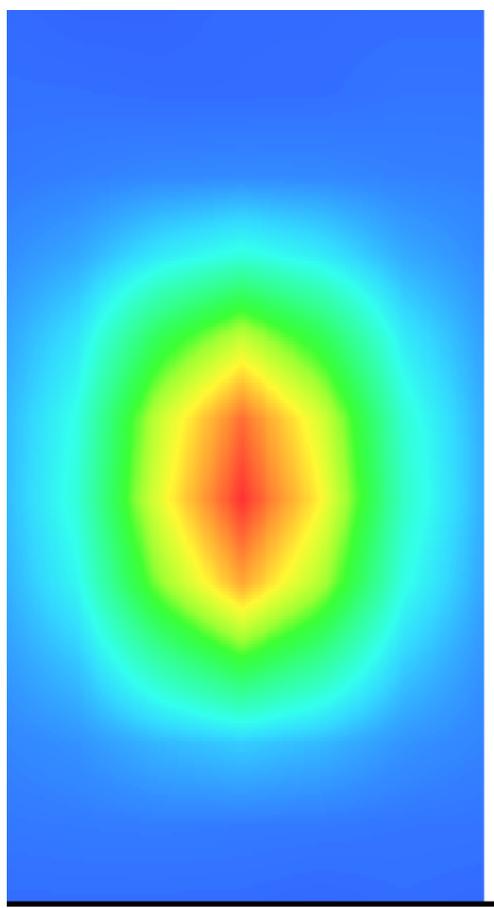


Maximum location: X=-1.00, Y=-6.00

SAR 10g (W/Kg)	0.221451
SAR 1g (W/Kg)	0.383214

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.6315	0.4108	0.2723	0.1755	0.1241



3D screen shot	Hot spot position
	

System Performance Check (Head ,1900MHz)

Type: Validation measurement

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 07/12/2016

Measurement duration: 22 minutes 33seconds

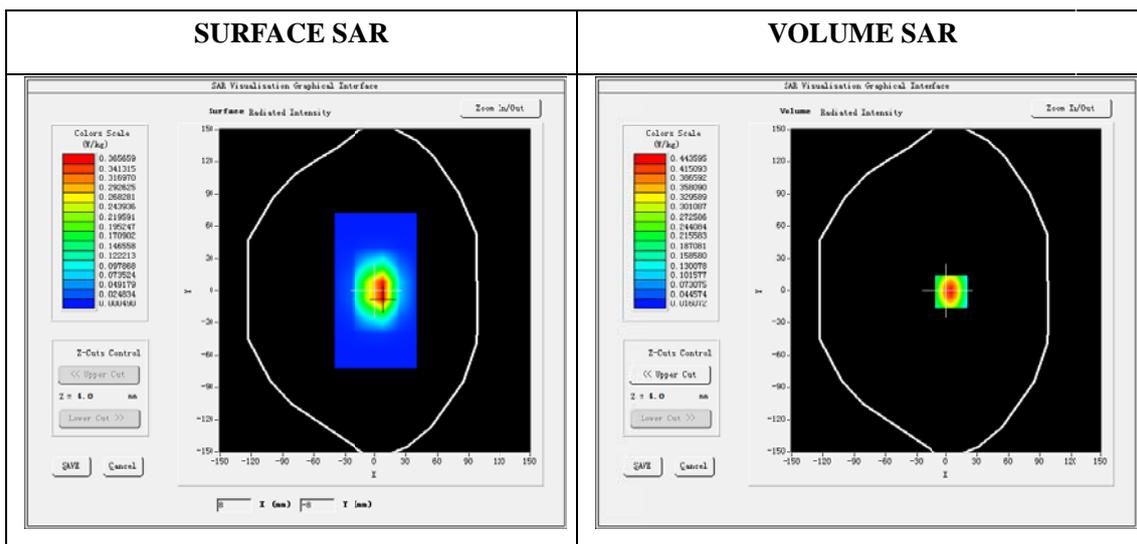
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	1900MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

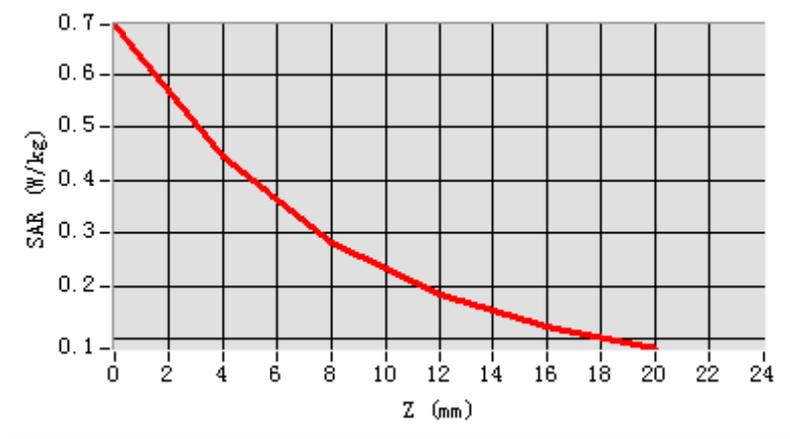
E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	1900
Relative permittivity (real part)	39.42
Relative permittivity	12.52
Conductivity (S/m)	1.35
Power drift (%)	-0.68
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
ConvF:	6.05
Duty factor:	1:1

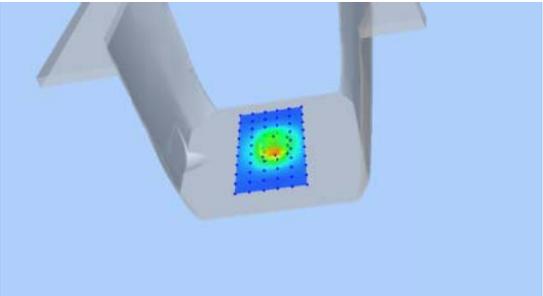
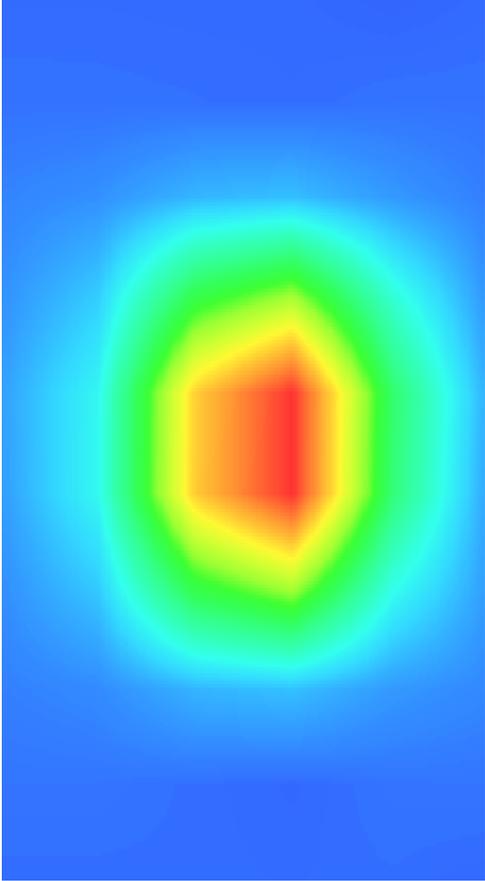


Maximum location: X=5.00, Y=-1.00

SAR 10g (W/Kg)	0.221344
SAR 1g (W/Kg)	0.404236

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.6915	0.4433	0.2819	0.1822	0.1334



3D screen shot	Hot spot position
	

System Performance Check (Head, 2450MHz)

Type: Validation measurement

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 08/12/2016

Measurement duration: 22 minutes 22seconds

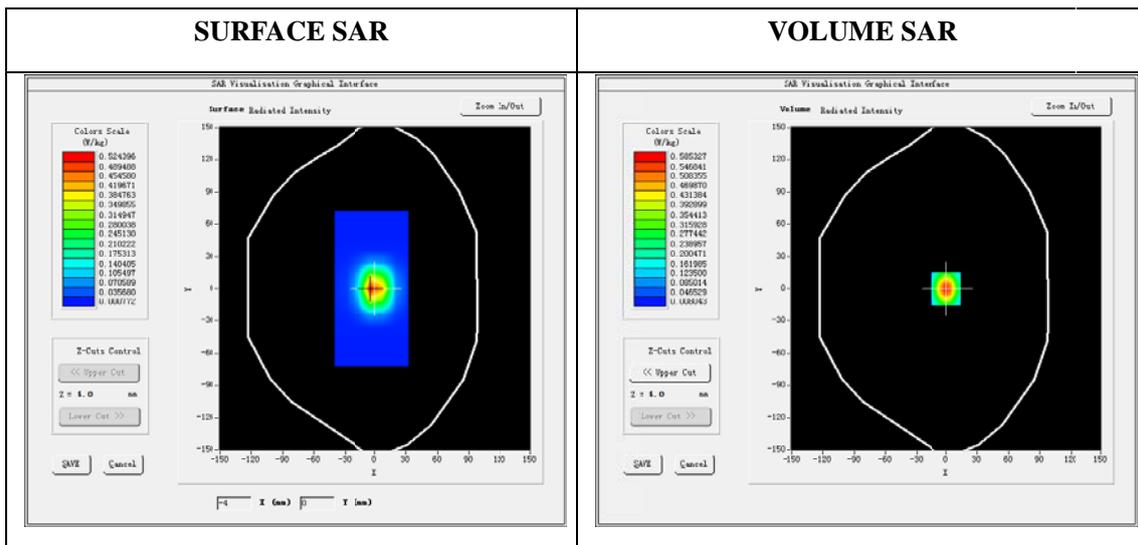
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	2450MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

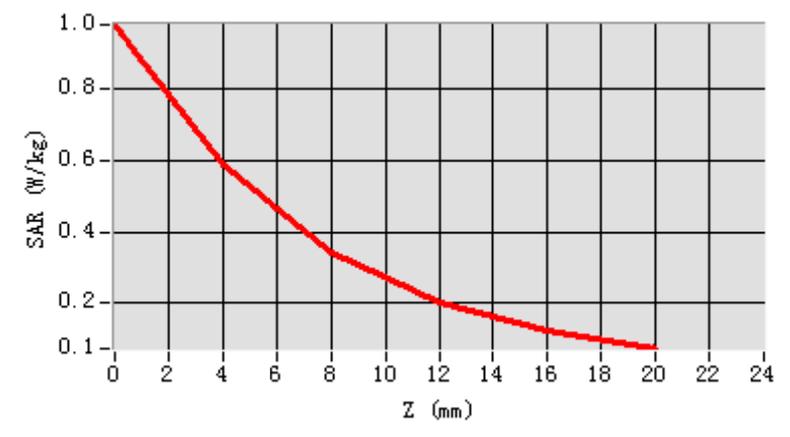
E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	2450
Relative permittivity (real part)	39.22
Relative permittivity	13.31
Conductivity (S/m)	1.81
Power drift (%)	-0.15
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
ConvF:	5.52
Duty factor:	1:1

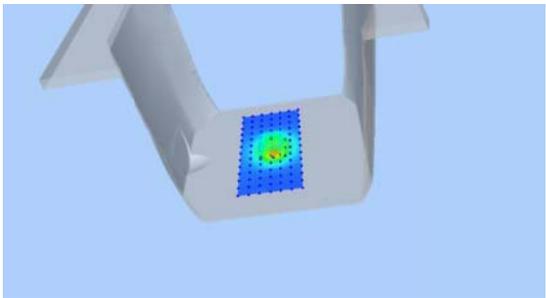
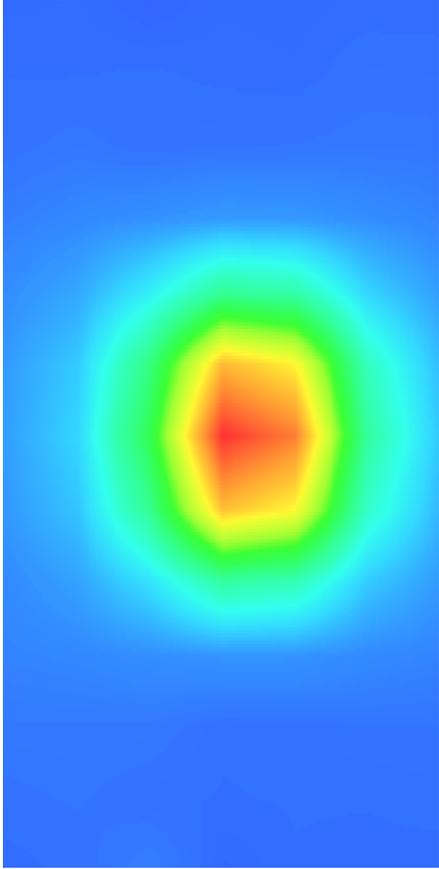


Maximum location: X=-1.00, Y=0.00

SAR 10g (W/Kg)	0.245131
SAR 1g (W/Kg)	0.525536

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.9722	0.5816	0.3411	0.2023	0.1234



3D screen shot	Hot spot position
	

System Performance Check (Head, 2600MHz)

Type: Validation measurement

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 08/12/2016

Measurement duration: 22 minutes 28seconds

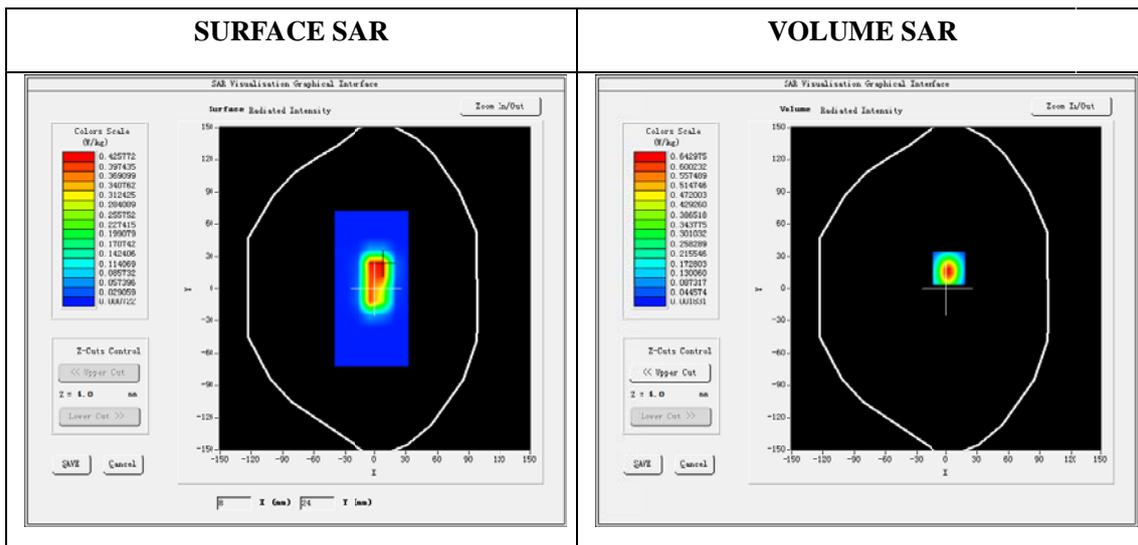
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	2600MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

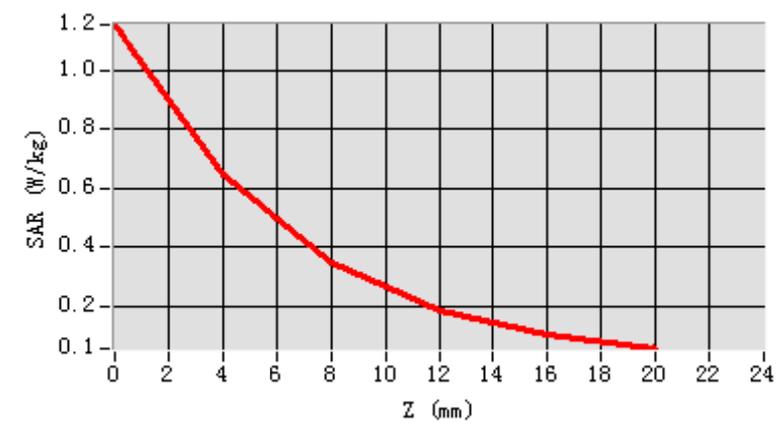
E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	2600
Relative permittivity (real part)	39.12
Relative permittivity	13.33
Conductivity (S/m)	1.95
Power drift (%)	-0.85
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
ConvF:	5.57
Duty factor:	1:1

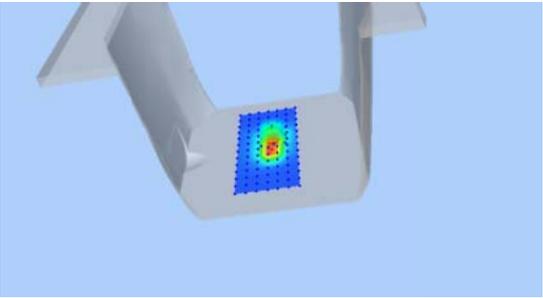
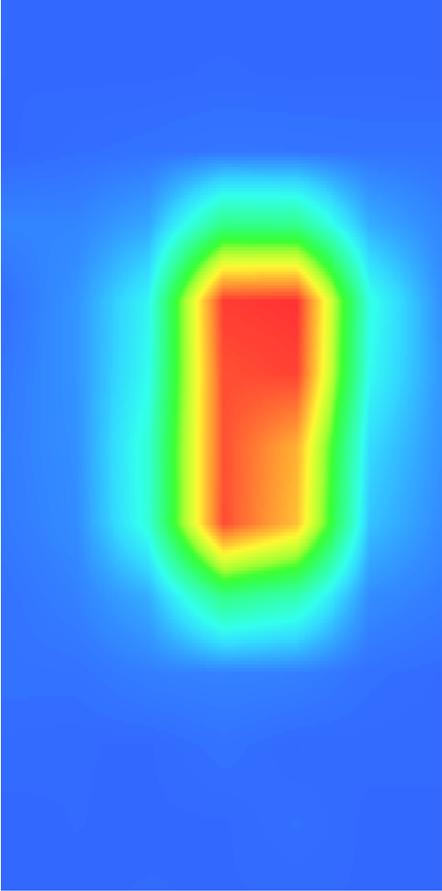


Maximum location: X=3.00, Y=19.00

SAR 10g (W/Kg)	0.240513
SAR 1g (W/Kg)	0.572311

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	1.1533	0.6418	0.3424	0.1811	0.1016



3D screen shot	Hot spot position
	

System Performance Check (Body, 750MHz)

Type: Validation measurement

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 04/12/2016

Measurement duration: 22 minutes 25seconds

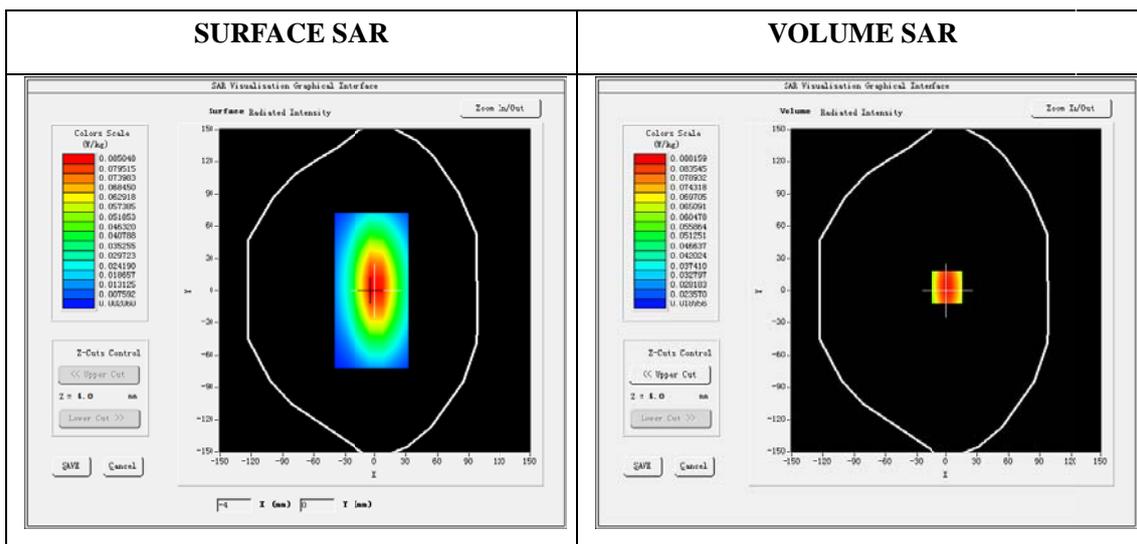
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	750MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

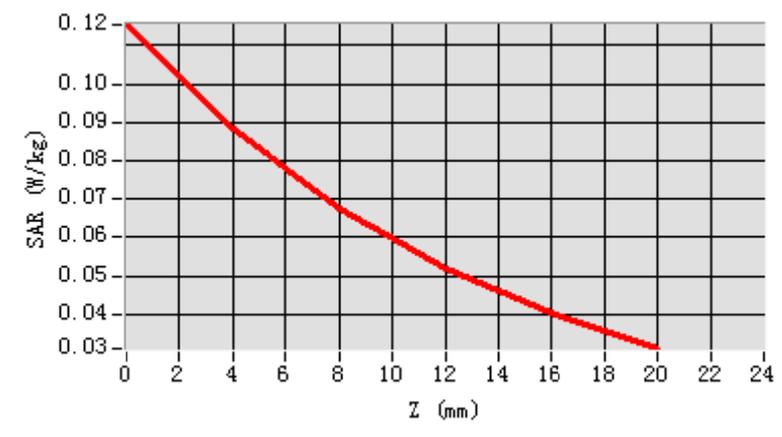
E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	750
Relative permittivity (real part)	55.23
Relative permittivity	22.15
Conductivity (S/m)	0.95
Power drift (%)	1.72
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
ConvF:	6.13
Duty factor:	1:1

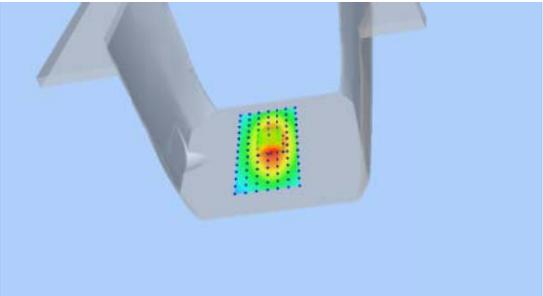
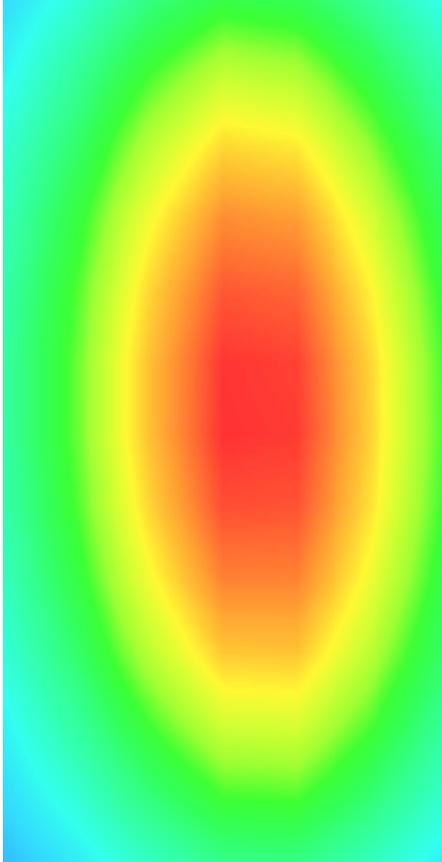


Maximum location: X=0.00, Y=3.00

SAR 10g (W/Kg)	0.056664
SAR 1g (W/Kg)	0.084851

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.1142	0.0858	0.0636	0.0545	0.0417



3D screen shot	Hot spot position
 <p>A 3D perspective view of a grey, L-shaped device. A small rectangular area on the horizontal part of the device is highlighted with a color-coded hot spot overlay, showing a gradient from blue to red, indicating the highest SAR values.</p>	 <p>A 2D heatmap showing the spatial distribution of SAR values. The color scale ranges from blue (low SAR) to red (high SAR). The highest SAR values are concentrated in a vertical oval shape in the center of the image, with colors transitioning from red in the center to yellow, green, and finally cyan at the edges.</p>

System Performance Check (Body, 835MHz)

Type: Validation measurement

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 05/12/2016

Measurement duration: 22 minutes 31seconds

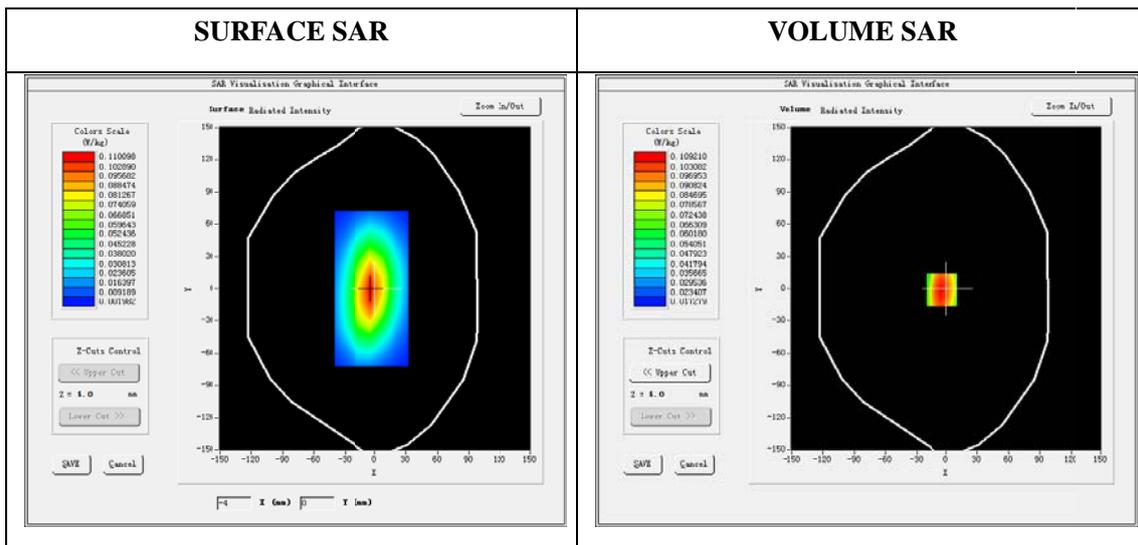
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	835MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

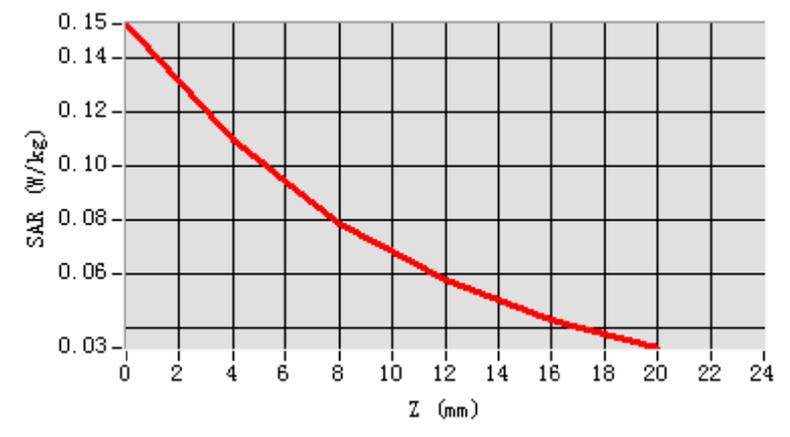
E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	835
Relative permittivity (real part)	55.21
Relative permittivity	21.12
Conductivity (S/m)	0.99
Power drift (%)	1.33
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
ConvF:	7.07
Duty factor:	1:1

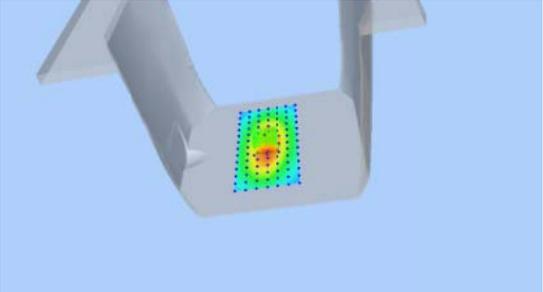
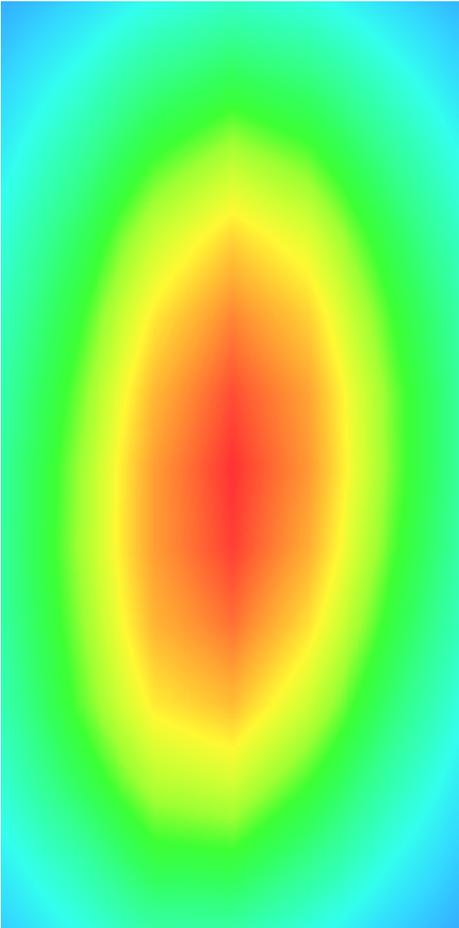


Maximum location: X=-5.00, Y=-1.00

SAR 10g (W/Kg)	0.064125
SAR 1g (W/Kg)	0.103624

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.1552	0.1023	0.0736	0.0541	0.0428



3D screen shot	Hot spot position
	

System Performance Check (Body, 1800MHz)

Type: Phone measurement

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 06/12/2016

Measurement duration: 22 minutes 15 seconds

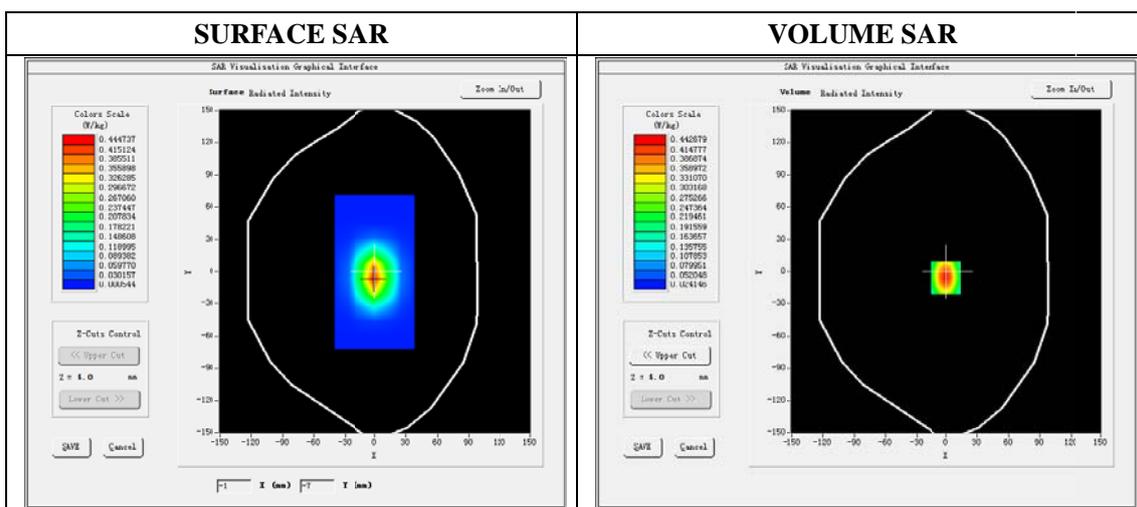
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	1800MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

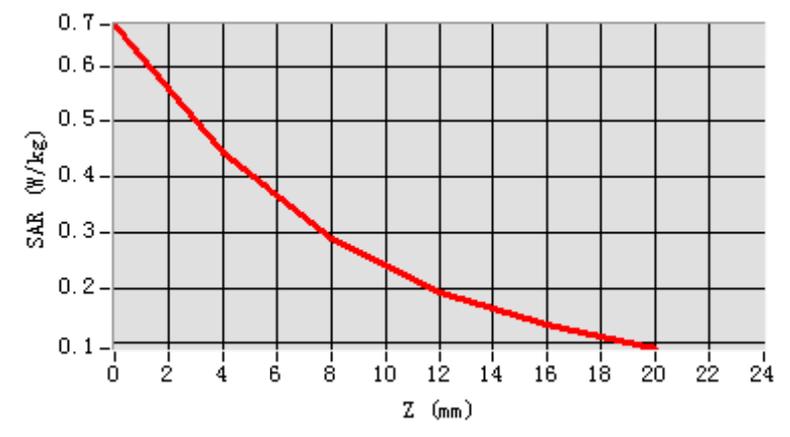
E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	1800
Relative permittivity (real part)	53.34
Relative permittivity	15.42
Conductivity (S/m)	1.55
Power drift (%)	-0.41
Ambient Temperature:	22.2°C
Liquid Temperature:	22.6°C
ConvF:	5.62
Crest factor:	1:1

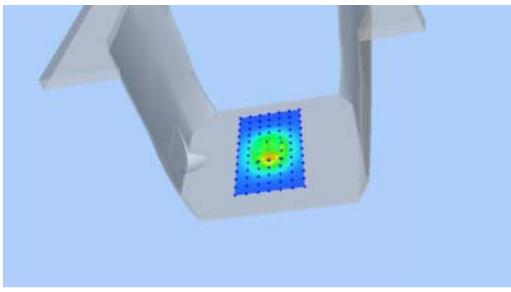
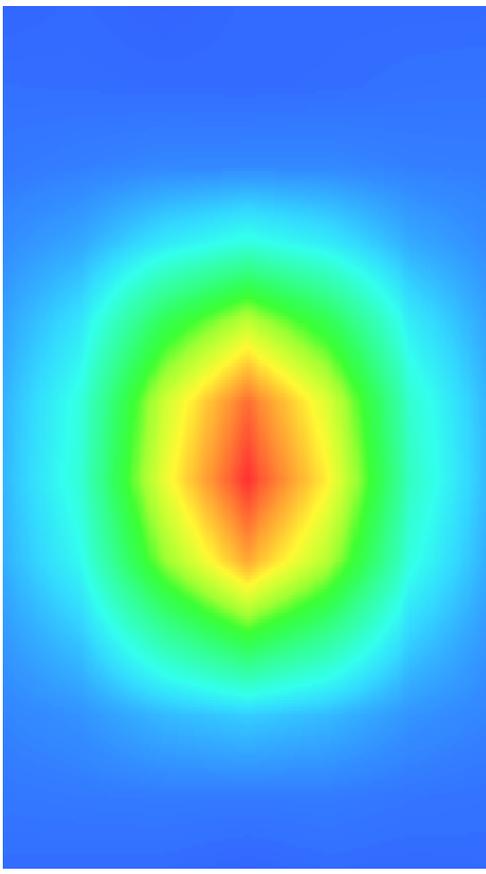


Maximum location: X=-1.00, Y=-6.00

SAR 10g (W/Kg)	0.232147
SAR 1g (W/Kg)	0.407412

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.6721	0.4460	0.2843	0.1928	0.1331



3D screen shot	Hot spot position
	

System Performance Check (Body, 1900MHz)

Type: Validation measurement

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 07/12/2016

Measurement duration: 22 minutes 41 seconds

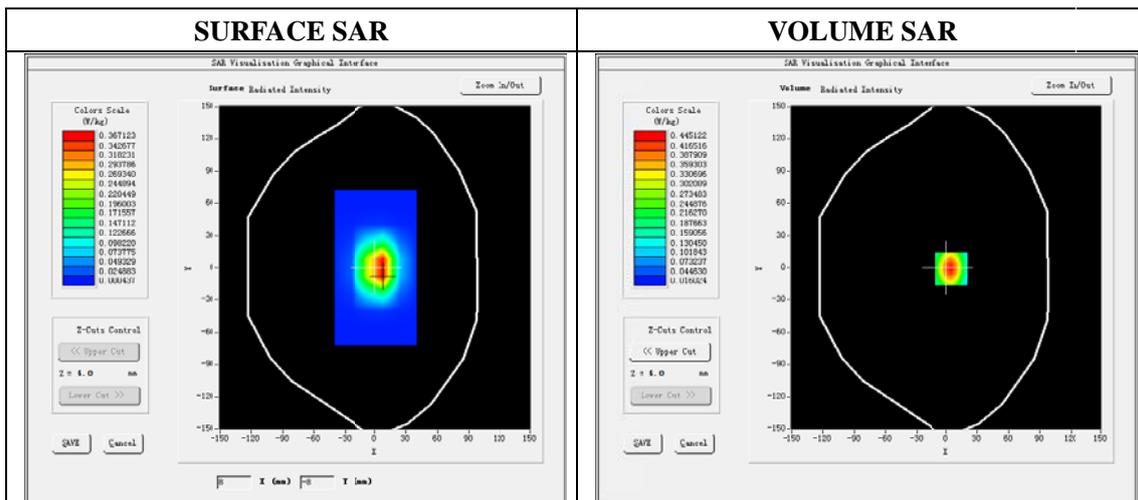
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	1900MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

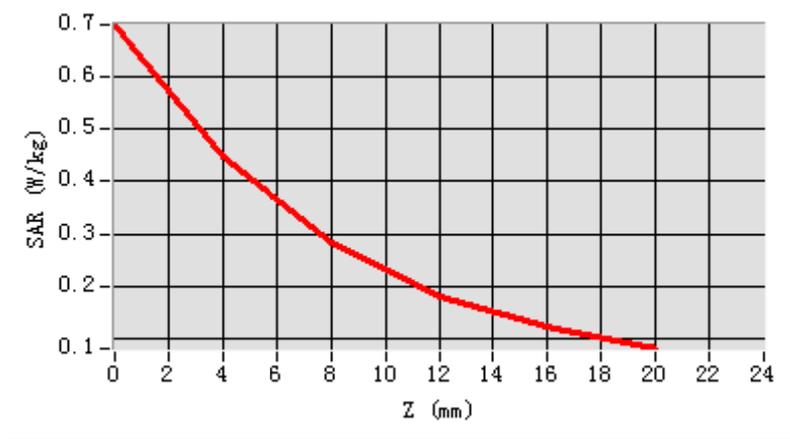
E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	1900
Relative permittivity (real part)	53.29
Relative permittivity	14.33
Conductivity (S/m)	1.57
Power Drift (%)	1.35
Ambient Temperature:	22.1°C
Liquid Temperature:	22.6°C
ConvF:	6.18
Duty factor:	1:1

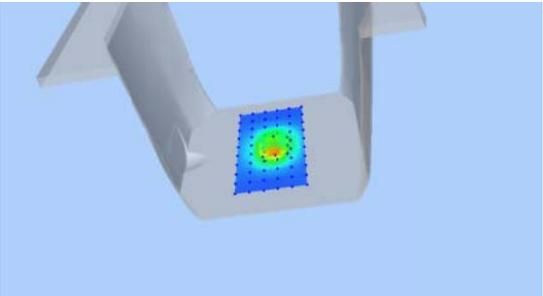
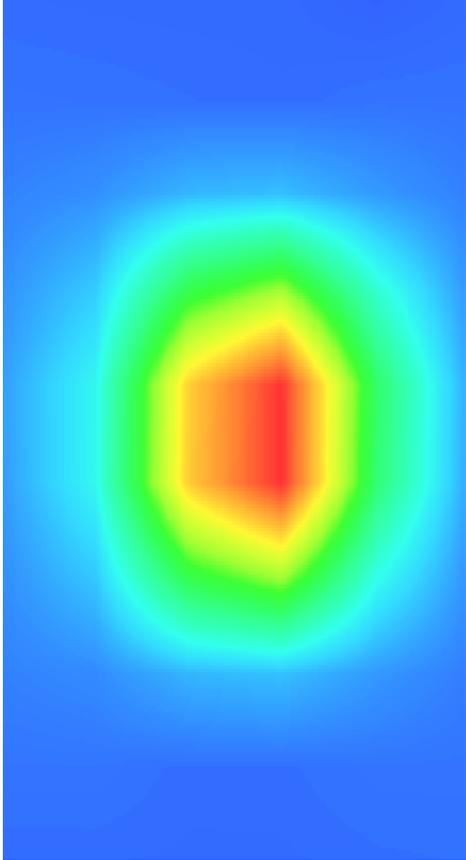


Maximum location: X=5.00, Y=-1.00

SAR 10g (W/Kg)	0.220214
SAR 1g (W/Kg)	0.408945

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.6952	0.4416	0.2802	0.1818	0.1223



3D screen shot	Hot spot position
	

System Performance Check (Body, 2450MHz)

Type: Phone measurement

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 08/12/2016

Measurement duration: 22 minutes 26 seconds

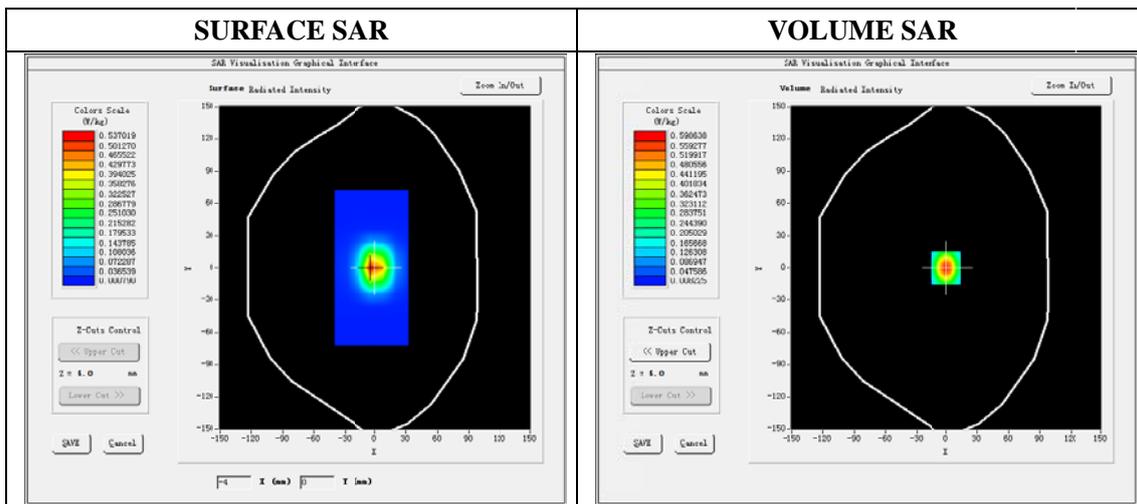
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=5mm dy=5mm dz=4mm
Device Position	Dipole
Band	2450MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

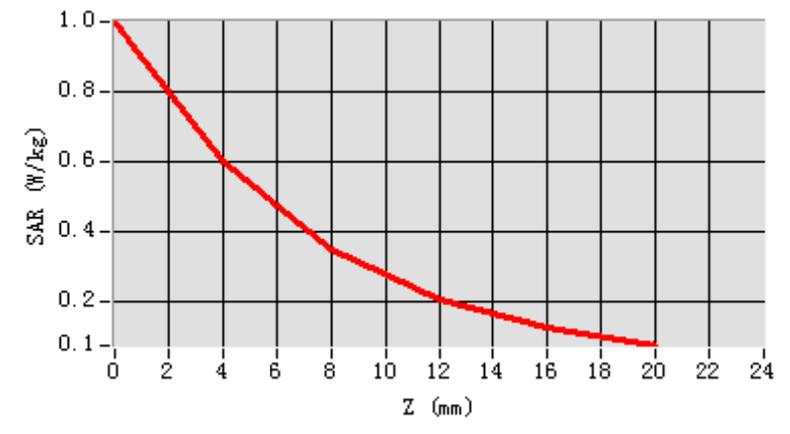
E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	2450
Relative permittivity (real part)	52.73
Relative permittivity	14.22
Conductivity (S/m)	1.96
Power Drift (%)	3.33
Duty factor:	1:1
ConvF:	5.70

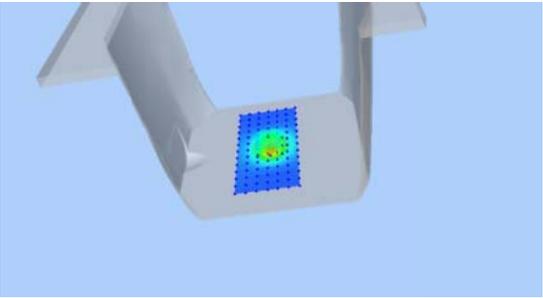
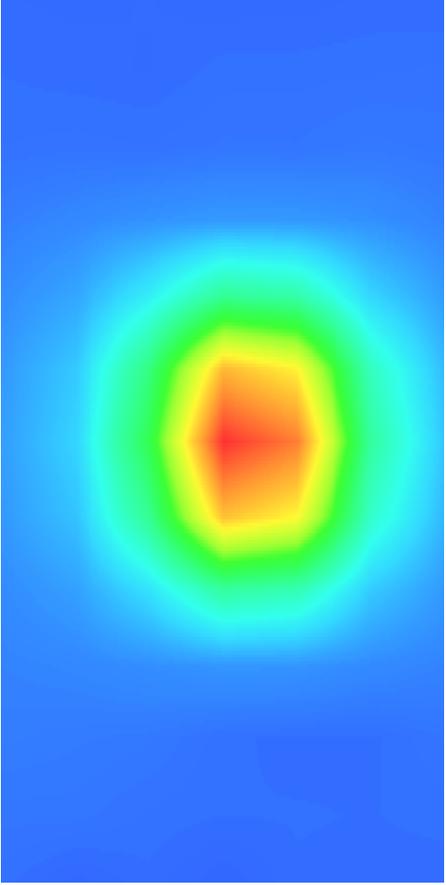


Maximum location: X=-1.00, Y=0.00

SAR 10g (W/Kg)	0.244451
SAR 1g (W/Kg)	0.536123

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.9933	0.5912	0.3525	0.2023	0.1224



3D screen shot	Hot spot position
	

System Performance Check (Body, 2600MHz)

Type: Phone measurement

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 08/12/2016

Measurement duration: 22 minutes 32 seconds

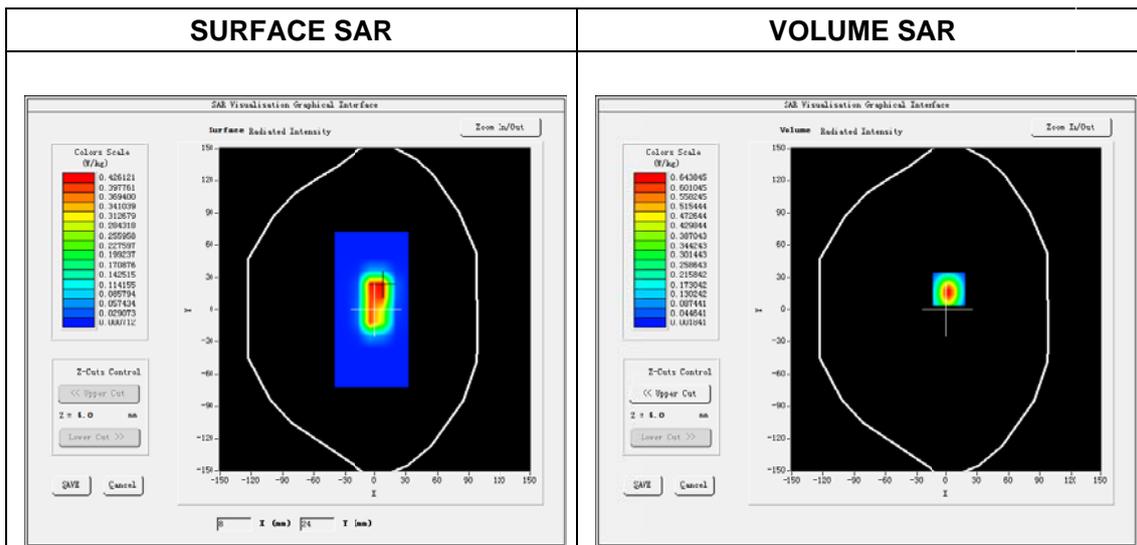
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=5mm dy=5mm dz=4mm
Device Position	Dipole
Band	2600MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

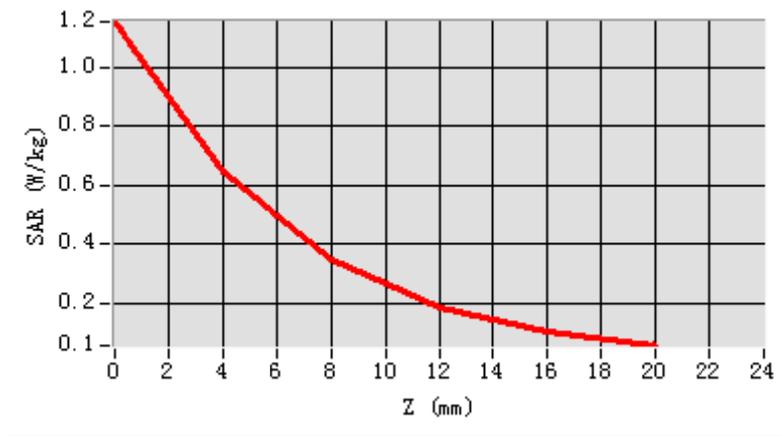
E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	2600
Relative permittivity (real part)	54.56
Relative permittivity	14.55
Conductivity (S/m)	2.12
Power drift (%)	3.26
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	5.73

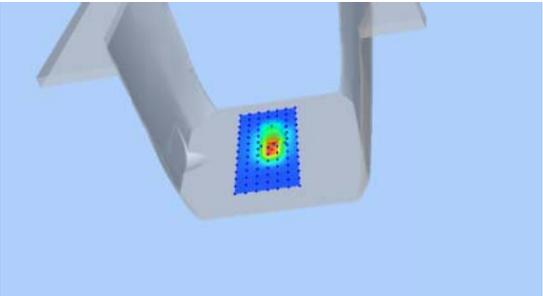
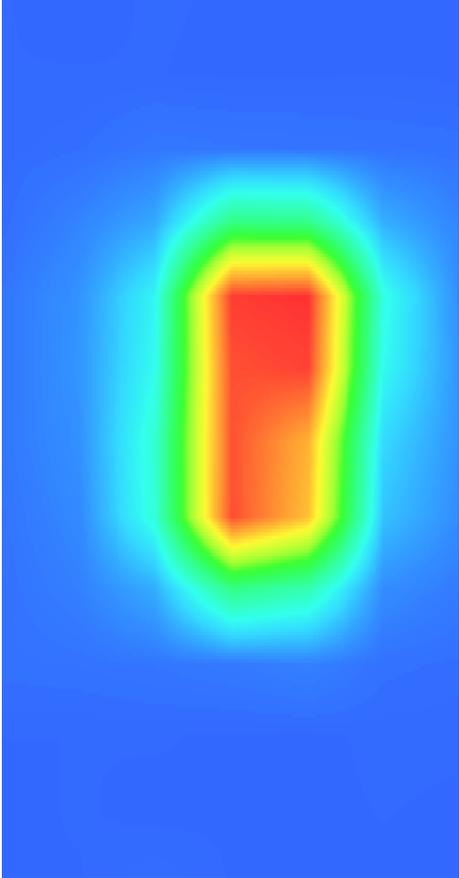


Maximum location: X=3.00, Y=19.00

SAR 10g (W/Kg)	0.241454
SAR 1g (W/Kg)	0.575312

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	1.1523	0.6418	0.3422	0.1825	0.1063



3D screen shot	Hot spot position
	

Plot 1: GSM850, Right Cheek, Middle

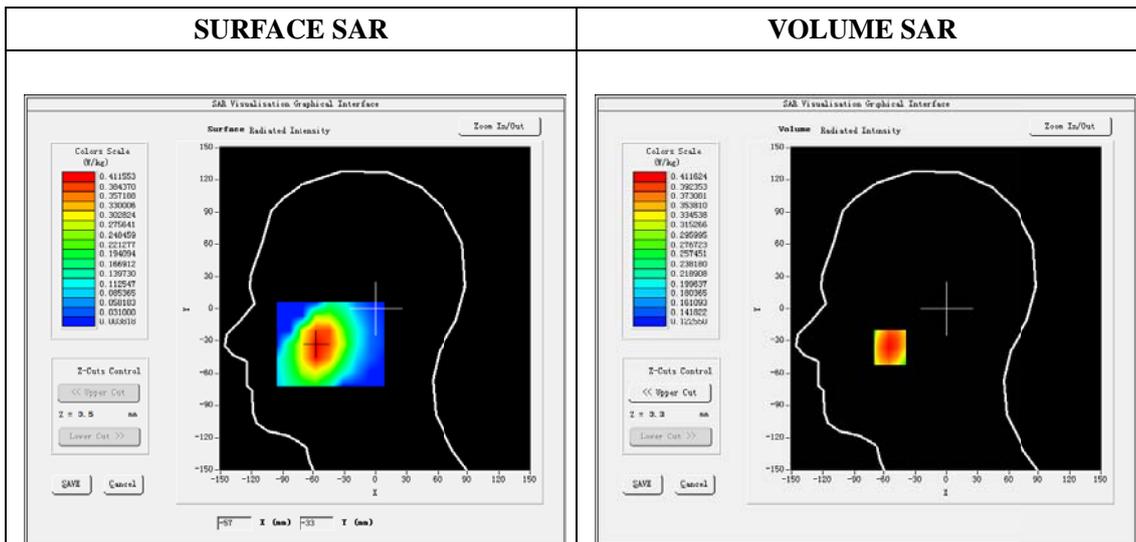
Type: Phone measurement
 Date of measurement: 05/12/2016
 Measurement duration: 22 minutes 16 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	836.6
Relative permittivity (real part)	41.82
Relative permittivity (imaginary part)	20.26
Conductivity (S/m)	0.86
Variation (%)	-0.01
ConvF:	6.81

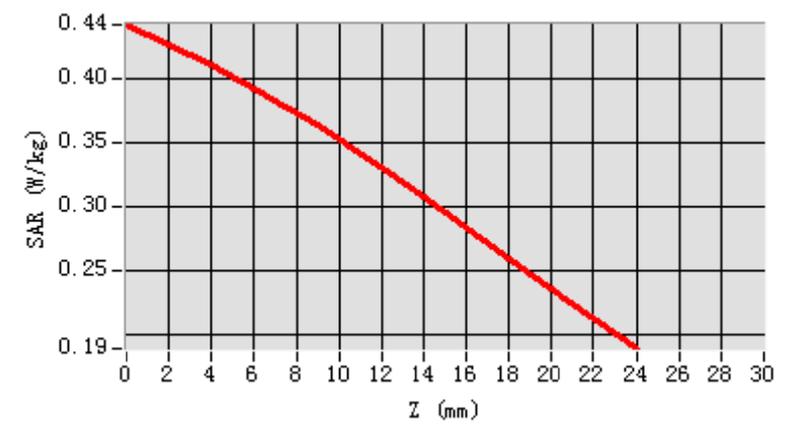


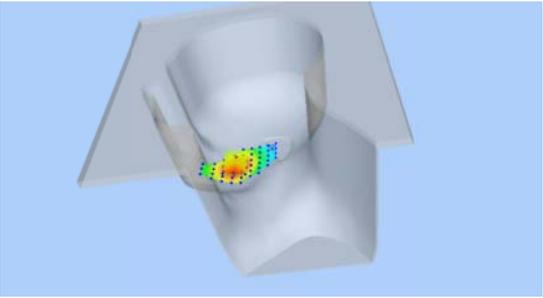
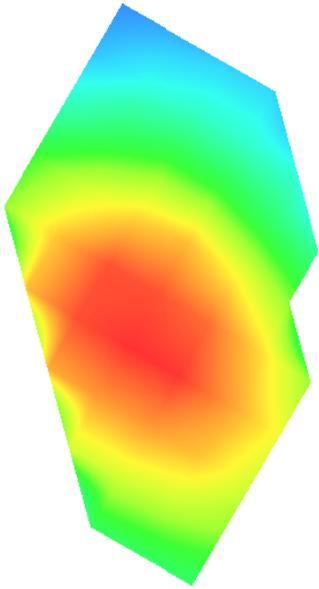
Maximum location: X=-55.00, Y=-36.00

SAR Peak: 0.45 W/kg

SAR 10g (W/Kg)	0.319207
SAR 1g (W/Kg)	0.400441

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4424	0.4116	0.3638	0.3075	0.2472



3D screen shot	Hot spot position
	

Plot 2: GSM850, Back, Middle

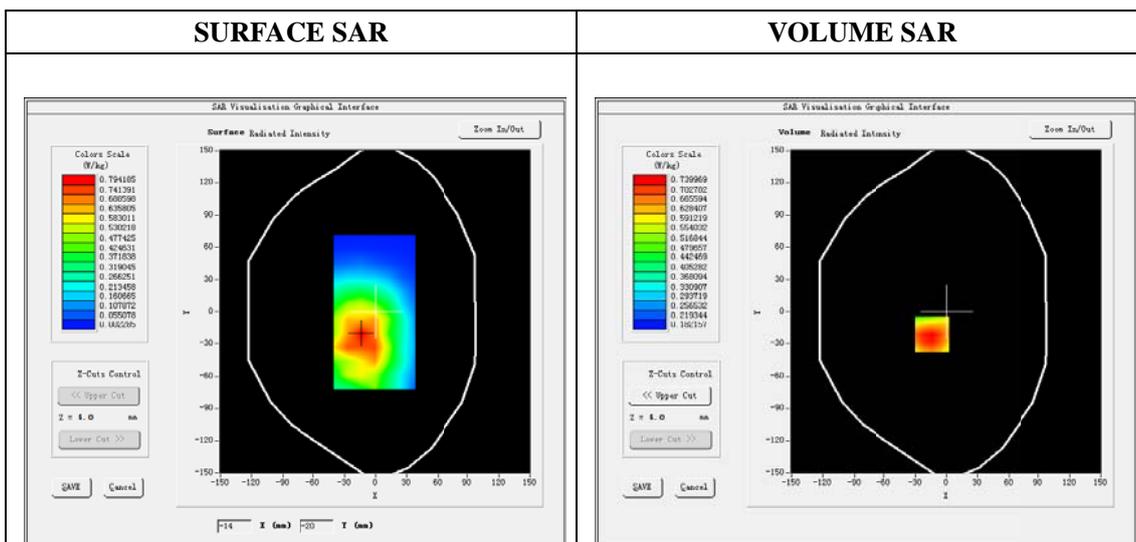
Type: Phone measurement
 Date of measurement: 05/12/2016
 Measurement duration: 22 minutes 49seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	836.6
Relative permittivity (real part)	55.21
Relative permittivity (imaginary part)	21.12
Conductivity (S/m)	0.99
Variation (%)	-1.41
ConvF:	7.07

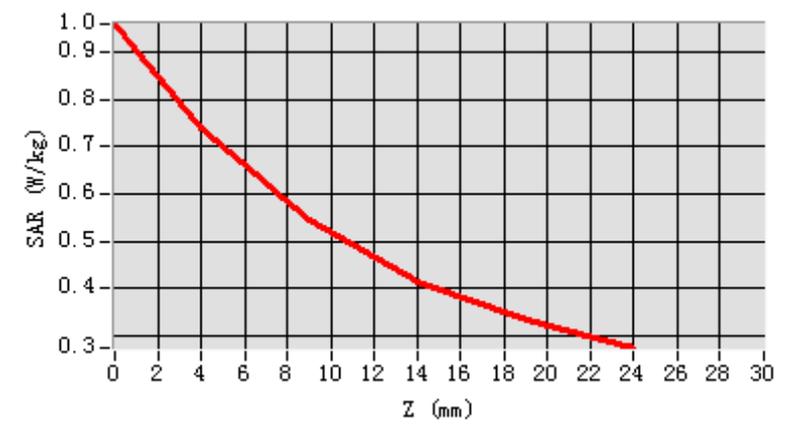


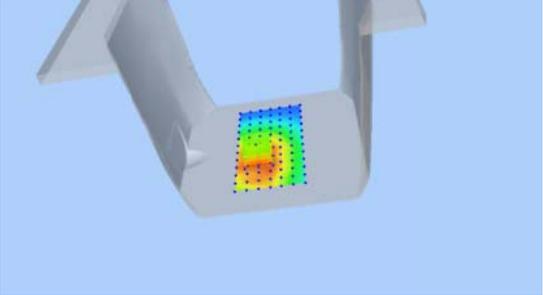
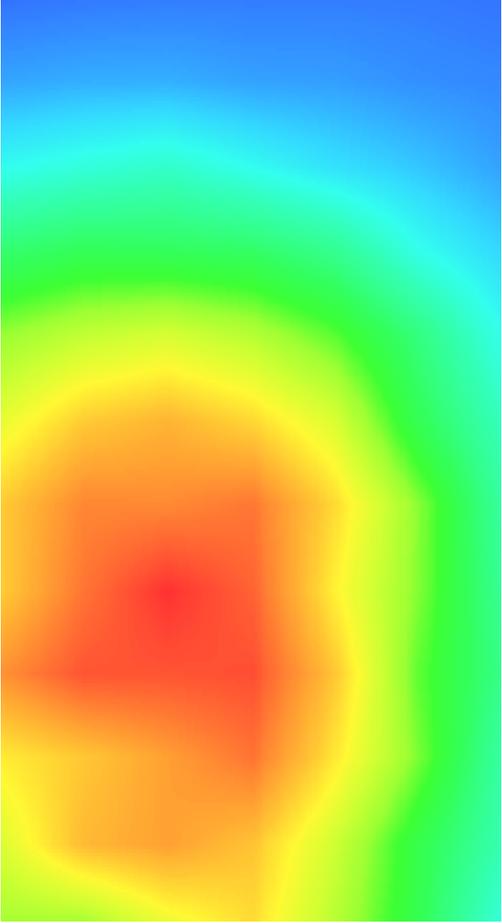
Maximum location: X=-14.00, Y=-21.00

SAR Peak: 0.97 W/kg

SAR 10g (W/Kg)	0.519680
SAR 1g (W/Kg)	0.718554

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.9589	0.7400	0.5439	0.4159	0.3342



3D screen shot	Hot spot position
	

Plot 3: GPRS850, Back, Middle

Type: Phone measurement

Date of measurement: 05/12/2016

Measurement duration: 22 minutes 41seconds

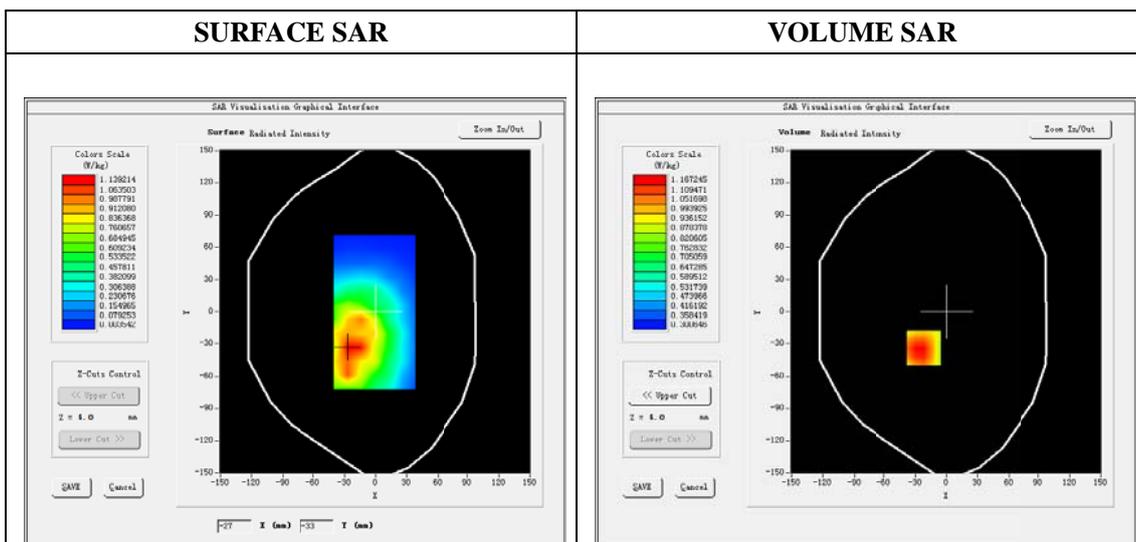
Mobile Phone IMEI number: --

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: 1:2.08)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	836.6
Relative permittivity (real part)	55.21
Relative permittivity (imaginary part)	21.12
Conductivity (S/m)	0.99
Variation (%)	-1.64
ConvF:	7.07

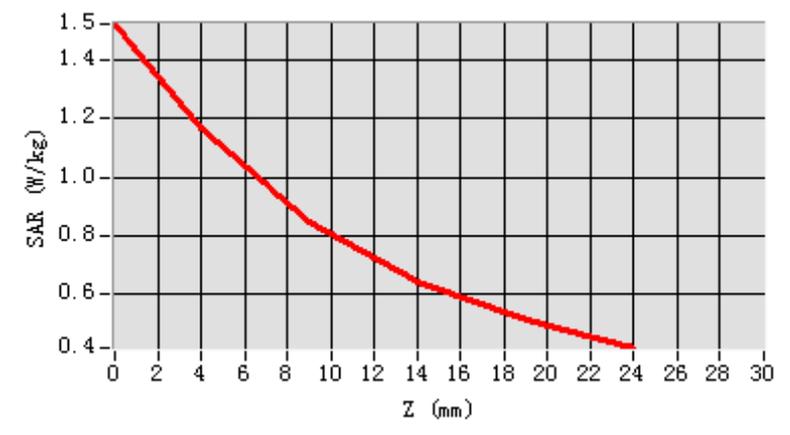


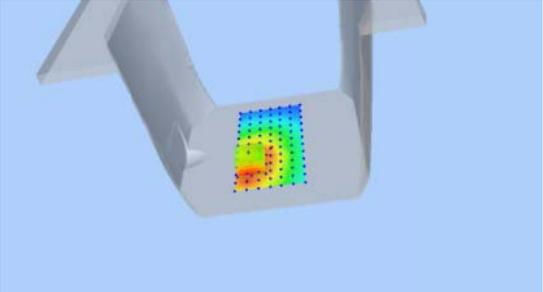
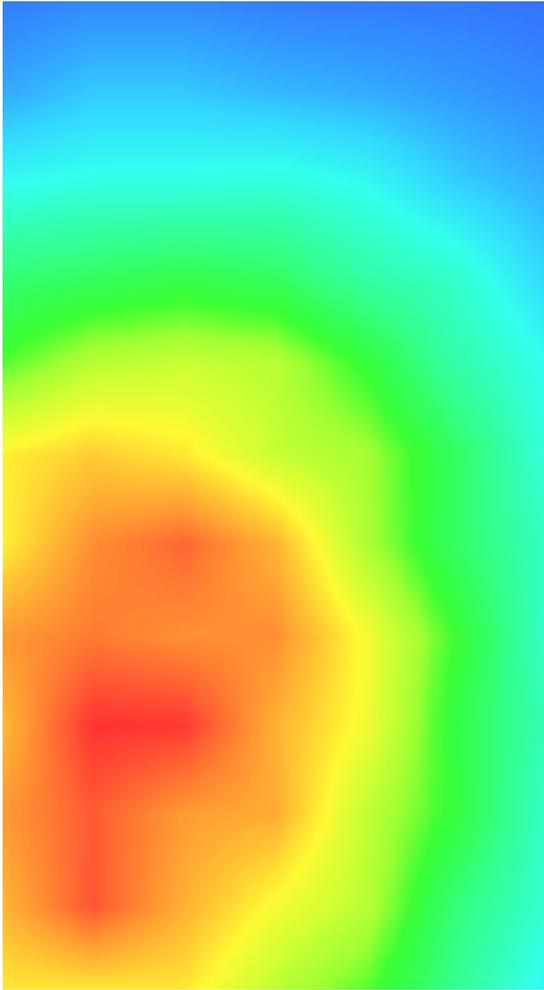
Maximum location: X=-22.00, Y=-34.00

SAR Peak: 1.54 W/kg

SAR 10g (W/Kg)	0.819105
SAR 1g (W/Kg)	1.137128

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.5231	1.1672	0.8497	0.6431	0.5115



3D screen shot	Hot spot position
	

Plot 4: GSM1900, Right Cheek Middle

Type: Phone measurement

Date of measurement: 07/12/2016

Measurement duration: 22 minutes 23 seconds

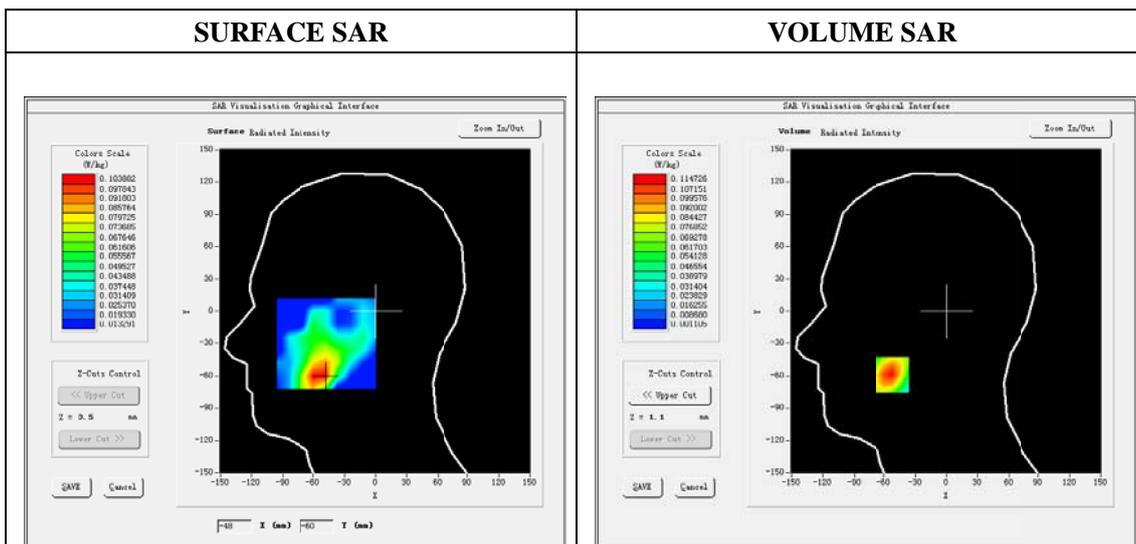
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right Head
Device Position	Cheek
Band	GSM1900
Channels	661
Signal	Duty cycle: 1:8.3

B. SAR Measurement Results

E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	1880.0
Relative permittivity (real part)	39.42
Relative permittivity (imaginary part)	12.52
Conductivity (S/m)	1.35
Variation (%)	-3.79
ConvF:	6.05

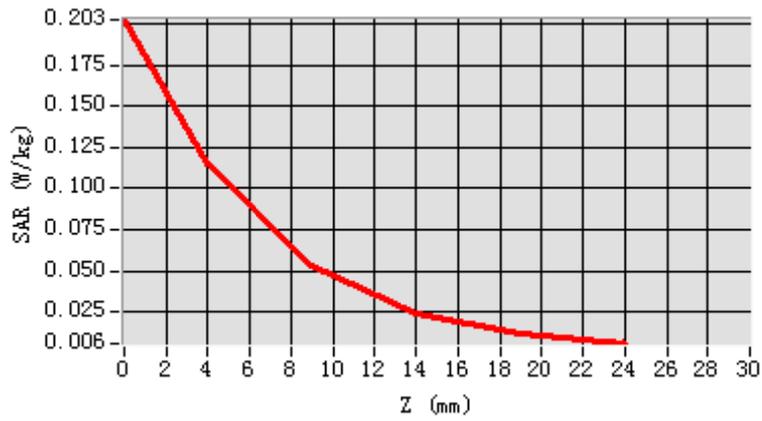


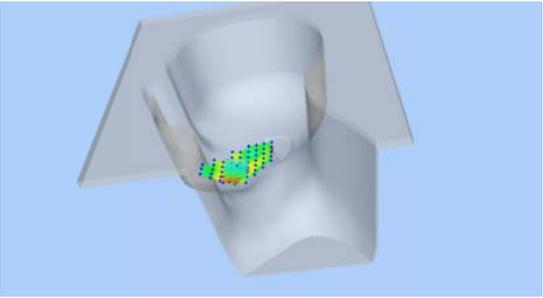
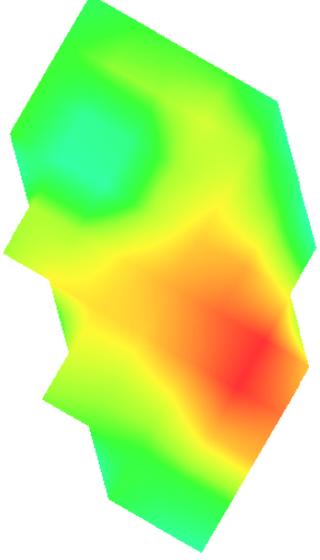
Maximum location: X=-52.00, Y=-59.00

SAR Peak: 0.20 W/kg

SAR 10g (W/Kg)	0.054541
SAR 1g (W/Kg)	0.109101

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2026	0.1147	0.0528	0.0239	0.0117



3D screen shot	Hot spot position
	

Plot 5: GSM1900, Back Middle

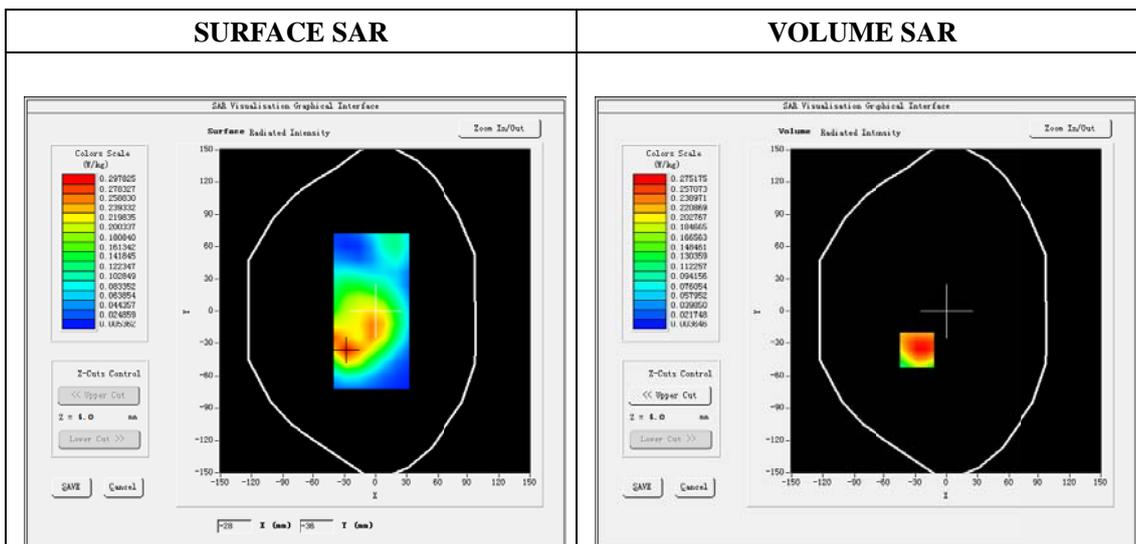
Type: Phone measurement
 Date of measurement: 07/12/2016
 Measurement duration: 22 minutes 42 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	1880.0
Relative permittivity (real part)	53.29
Relative permittivity (imaginary part)	14.33
Conductivity (S/m)	1.57
Variation (%)	-0.60
ConvF:	6.18

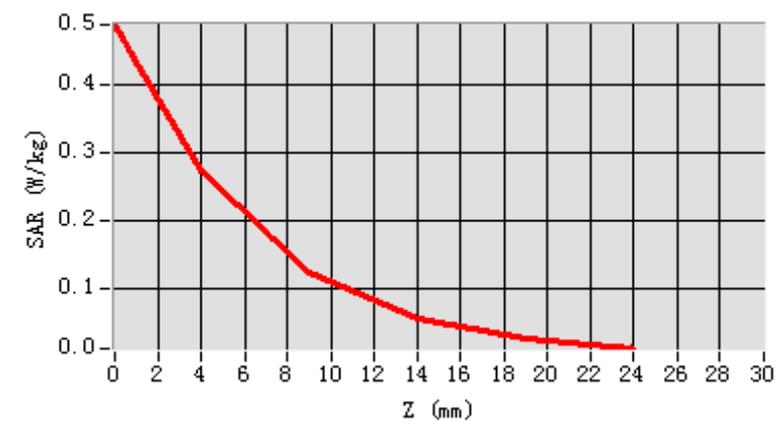


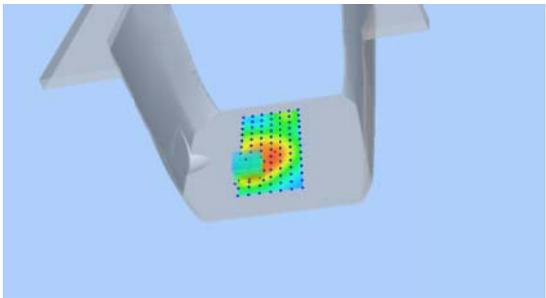
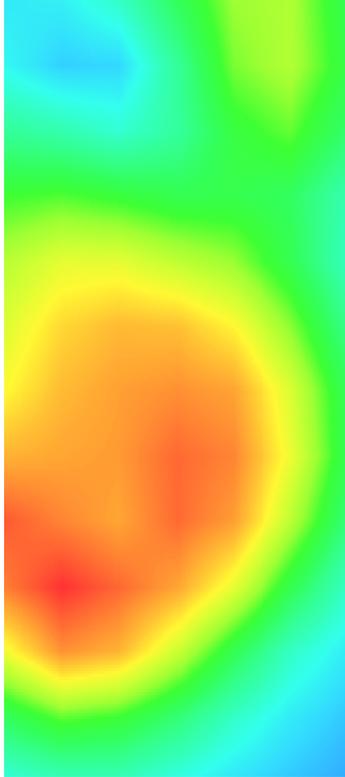
Maximum location: X=-28.00, Y=-36.00

SAR Peak: 0.50 W/kg

SAR 10g (W/Kg)	0.139161
SAR 1g (W/Kg)	0.267907

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4892	0.2752	0.1247	0.0546	0.0251



3D screen shot	Hot spot position
	

Plot 6: GPRS1900, Back Middle

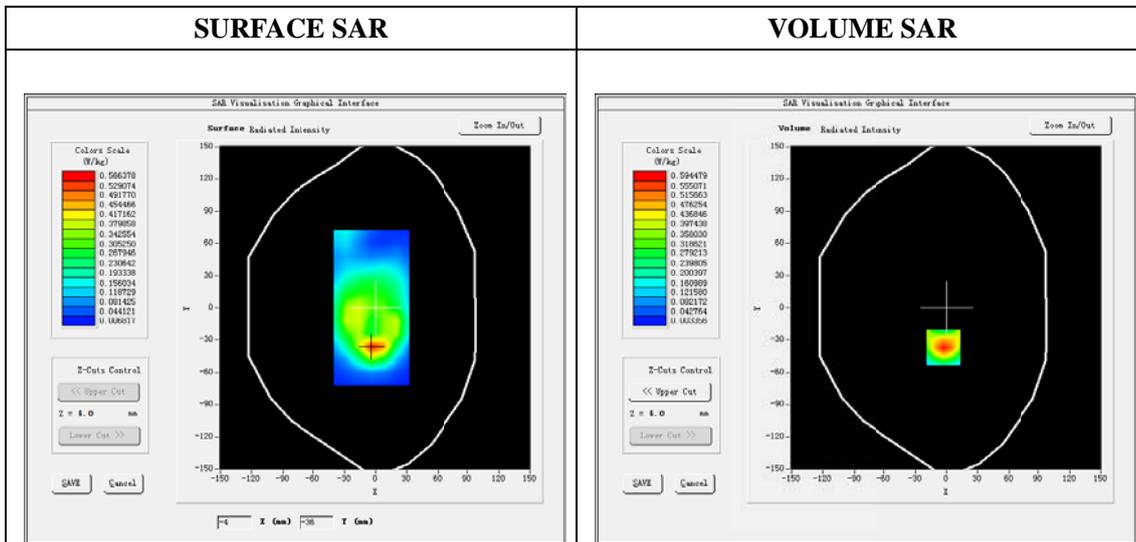
Type: Phone measurement
 Date of measurement: 07/12/2016
 Measurement duration: 22 minutes 42 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	GPRS1900_4Tx
Channels	661
Signal	GPRS (Duty cycle: 1:2.08)

B. SAR Measurement Results

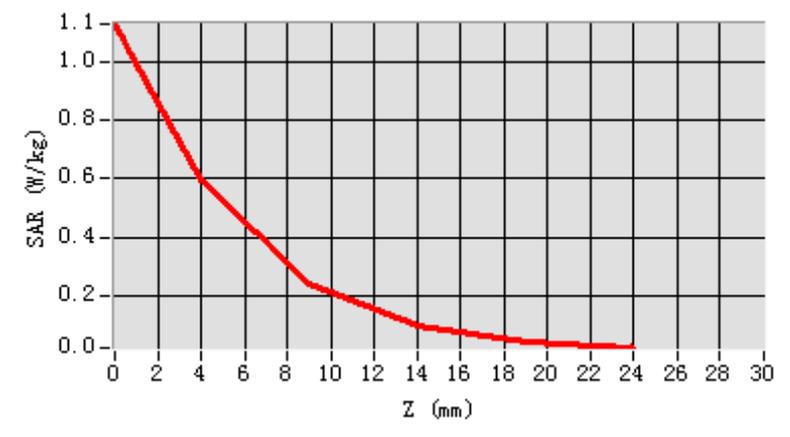
E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	1880.0
Relative permittivity (real part)	53.29
Relative permittivity (imaginary part)	14.33
Conductivity (S/m)	1.57
Variation (%)	-3.49
ConvF:	6.18

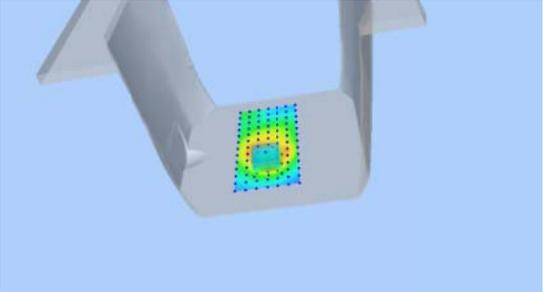
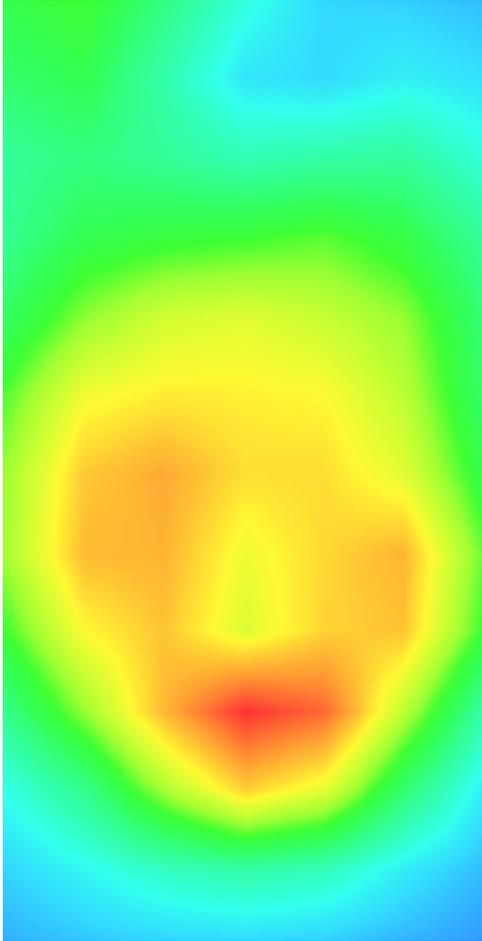


Maximum location: X=-3.00, Y=-37.00
 SAR Peak: 1.13 W/kg

SAR 10g (W/Kg)	0.252955
SAR 1g (W/Kg)	0.556211

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.1304	0.5945	0.2413	0.0940	0.0414



3D screen shot	Hot spot position
	

Plot 7: WCDMA850, Right Cheek, Middle

Type: Phone measurement

Date of measurement: 04/12/2016

Measurement duration: 22 minutes 31 seconds

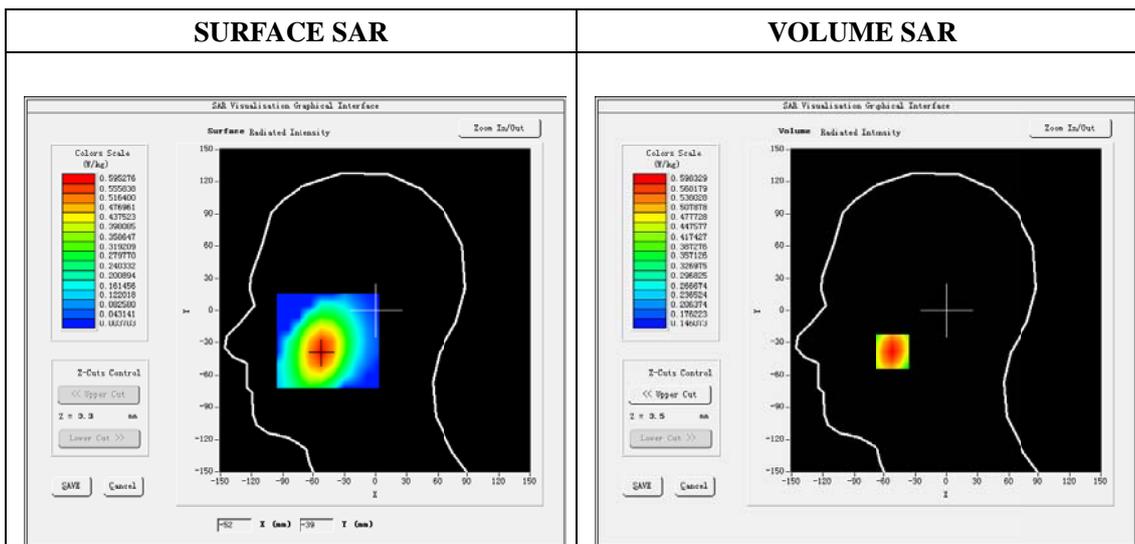
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	836.6
Relative permittivity (real part)	41.65
Relative permittivity (imaginary part)	19.44
Conductivity (S/m)	0.88
Variation (%)	-0.21
ConvF:	6.81

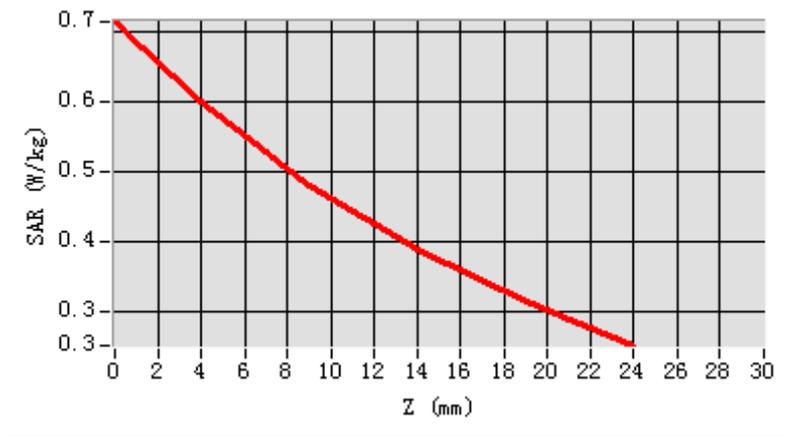


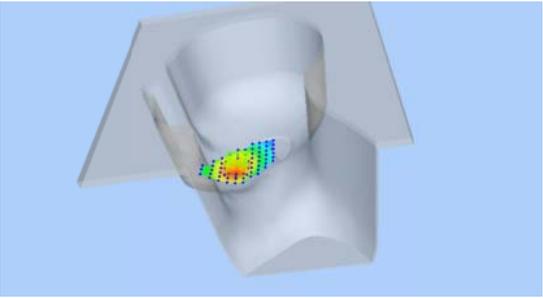
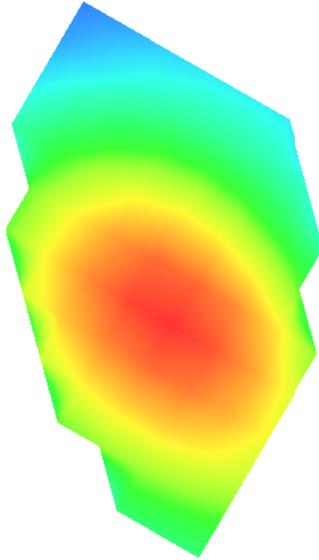
Maximum location: X=-52.00, Y=-38.00

SAR Peak: 0.71 W/kg

SAR 10g (W/Kg)	0.431321
SAR 1g (W/Kg)	0.590280

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.7137	0.5983	0.4802	0.3872	0.3135



3D screen shot	Hot spot position
	

Plot 8: WCDMA850, Back, Middle

Type: Phone measurement

Date of measurement: 05/12/2016

Measurement duration: 22 minutes 26 seconds

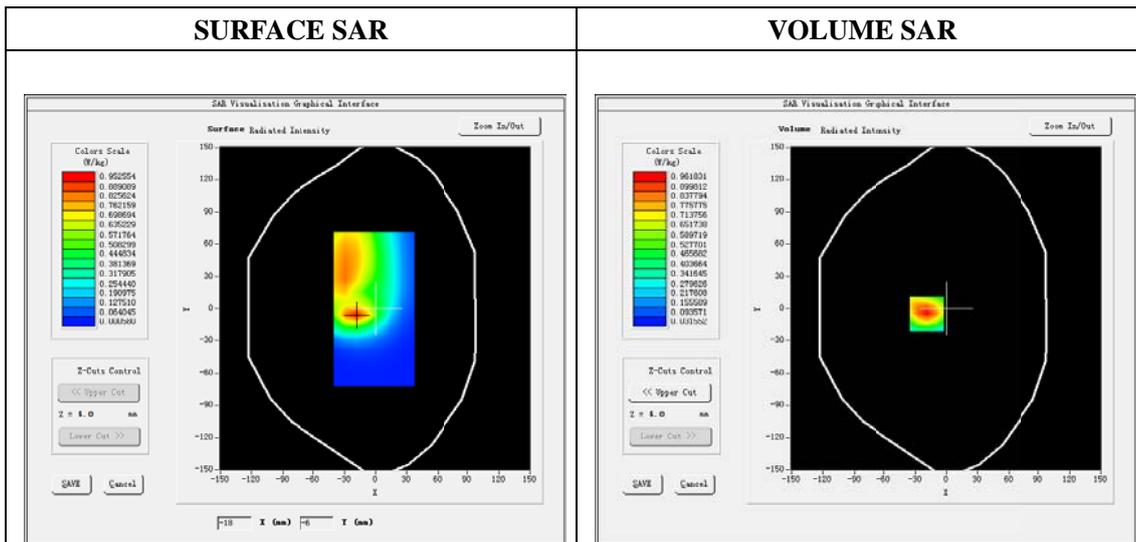
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	836.6
Relative permittivity (real part)	55.21
Relative permittivity (imaginary part)	21.12
Conductivity (S/m)	0.99
Variation (%)	-0.25
ConvF:	7.07

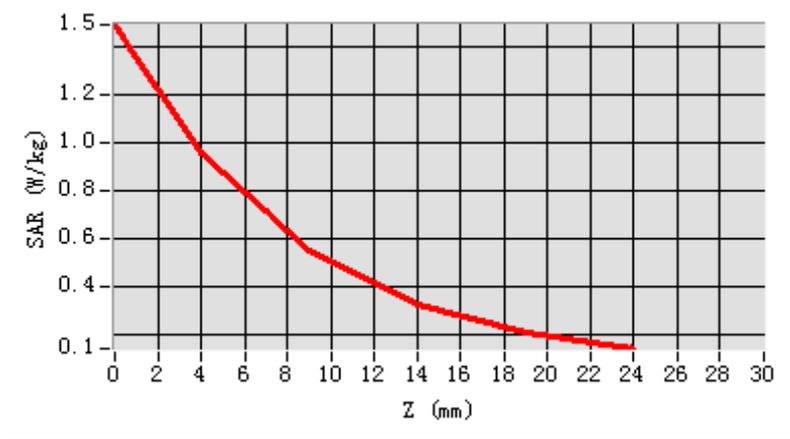


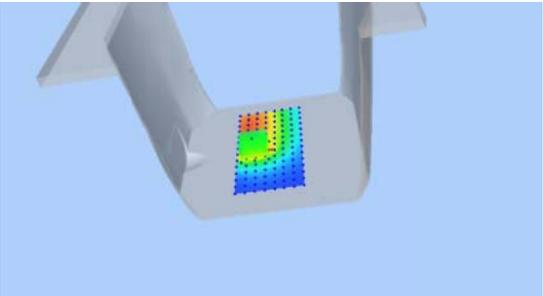
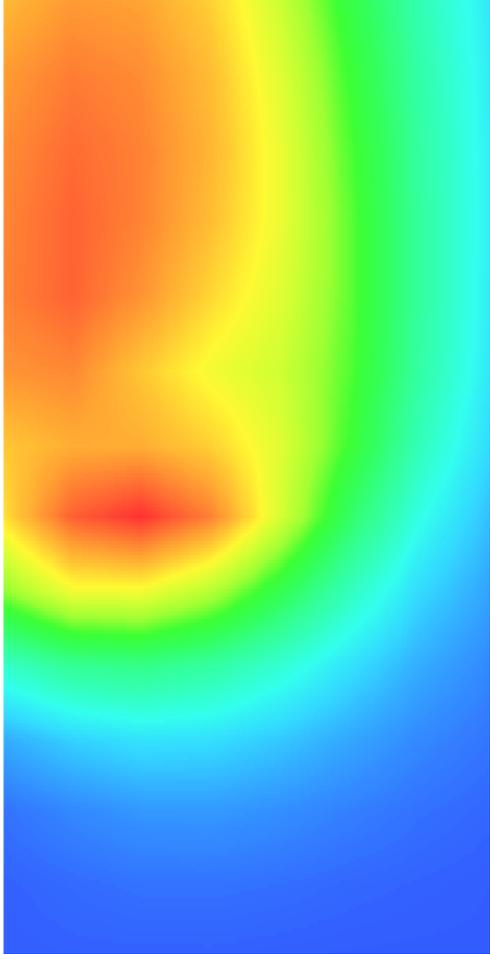
Maximum location: X=-19.00, Y=-5.00

SAR Peak: 1.15 W/kg

SAR 10g (W/Kg)	0.505396
SAR 1g (W/Kg)	0.908678

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.4956	0.9618	0.5471	0.3223	0.2070



3D screen shot	Hot spot position
	

Plot 9: WCDMA1900, Left Cheek, Middle

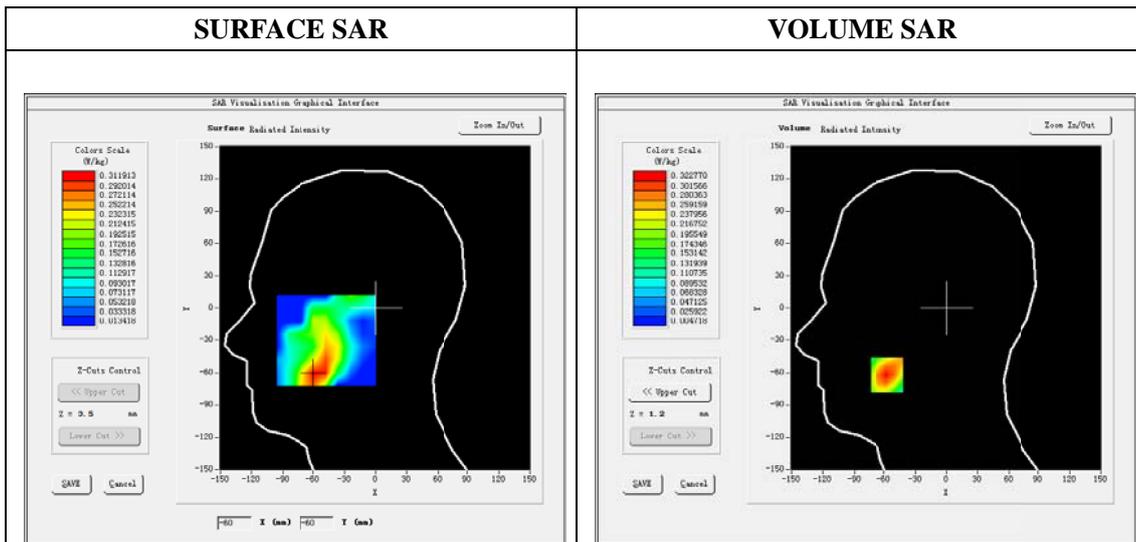
Type: Phone measurement
 Date of measurement: 07/12/2016
 Measurement duration: 22 minutes 15 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	1880
Relative permittivity (real part)	39.42
Relative permittivity (imaginary)	12.52
Conductivity (S/m)	1.35
Variation (%)	-0.23
ConvF:	6.05

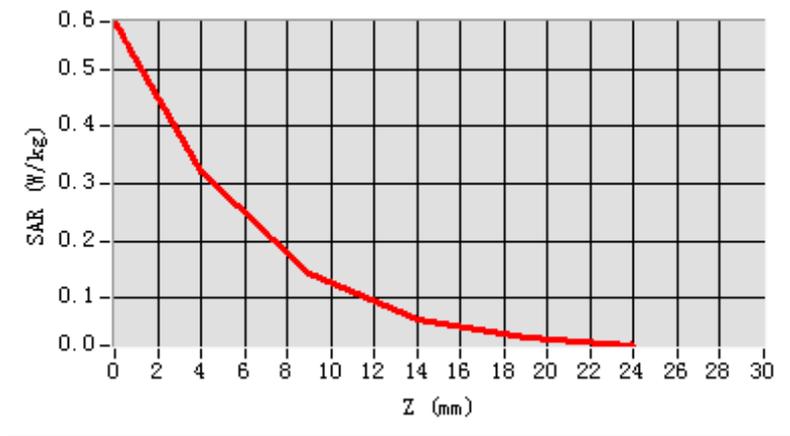


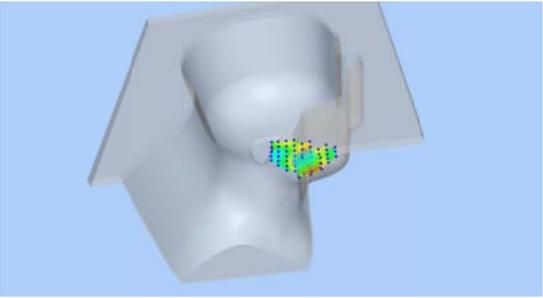
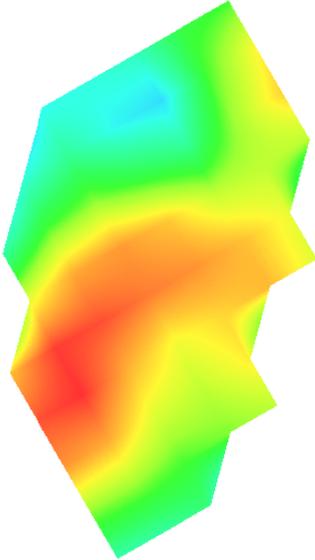
Maximum location: X=-58.00, Y=-62.00

SAR Peak: 0.58 W/kg

SAR 10g (W/Kg)	0.153668
SAR 1g (W/Kg)	0.306484

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.5841	0.3228	0.1431	0.0626	0.0306



3D screen shot	Hot spot position
	

Plot 10: WCDMA1900,Back, Middle

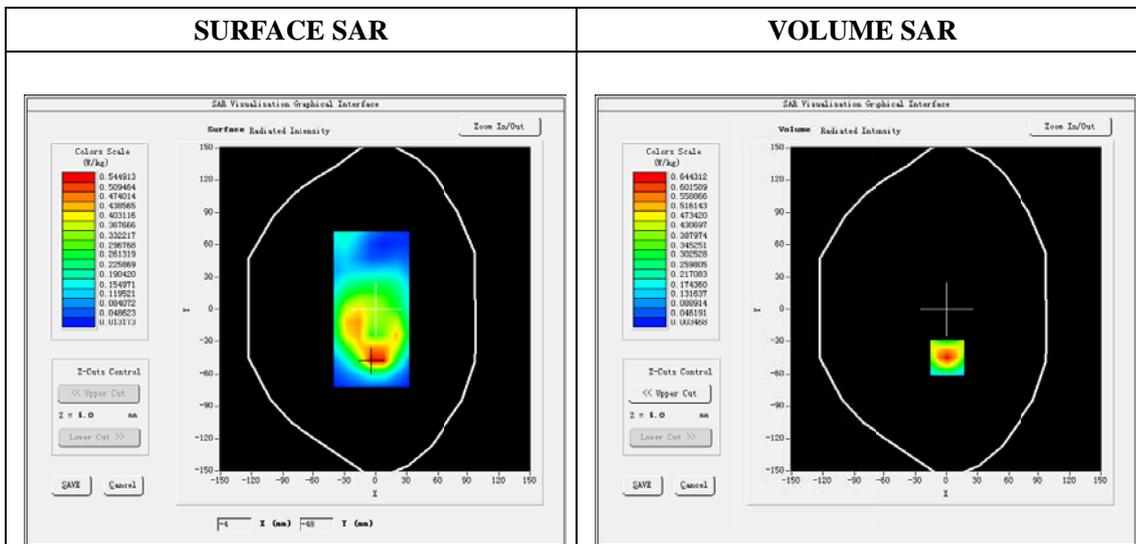
Type: Phone measurement
 Date of measurement: 07/12/2016
 Measurement duration: 22 minutes 23 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	1880
Relative permittivity (real part)	53.29
Relative permittivity (imaginary)	14.33
Conductivity (S/m)	1.57
Variation (%)	-0.29
ConvF:	6.18

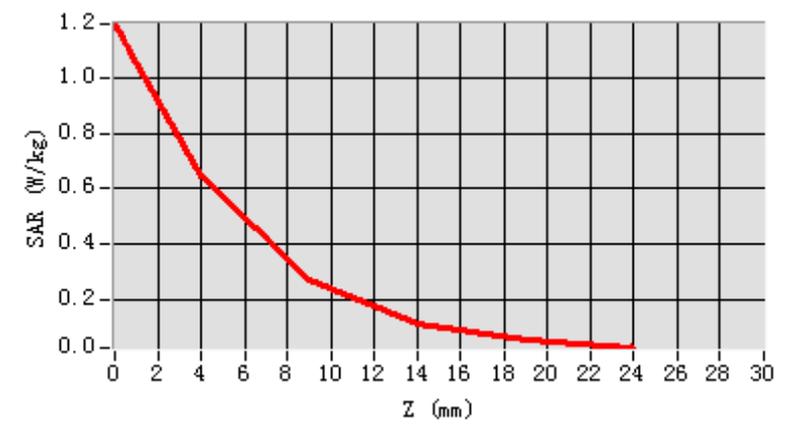


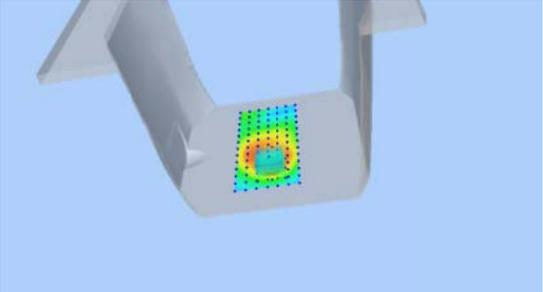
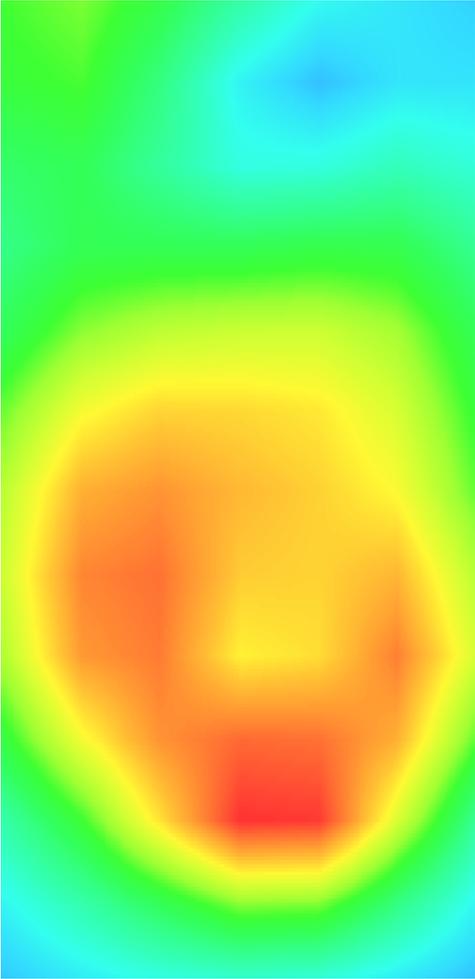
Maximum location: X=1.00, Y=-45.00

SAR Peak: 1.20 W/kg

SAR 10g (W/Kg)	0.276093
SAR 1g (W/Kg)	0.603823

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.1979	0.6443	0.2716	0.1101	0.0491



3D screen shot	Hot spot position
	

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

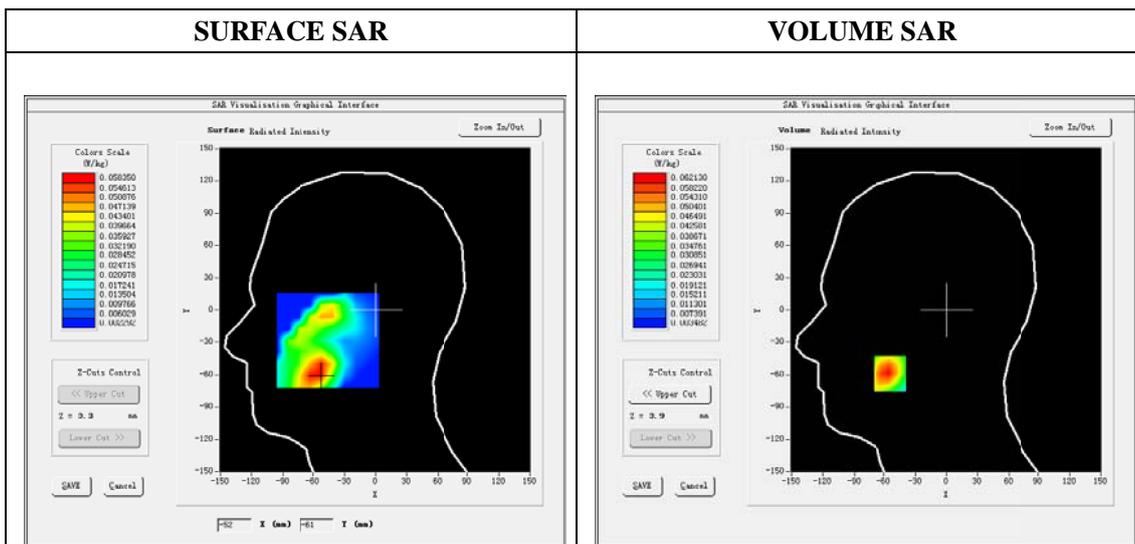
Type: Phone measurement
 Date of measurement: 07/12/2016
 Measurement duration: 22 minutes 23 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	1880
Relative permittivity (real part)	38.42
Relative permittivity (imaginary)	12.52
Conductivity (S/m)	1.35
Variation (%)	-0.19
ConvF:	5.96

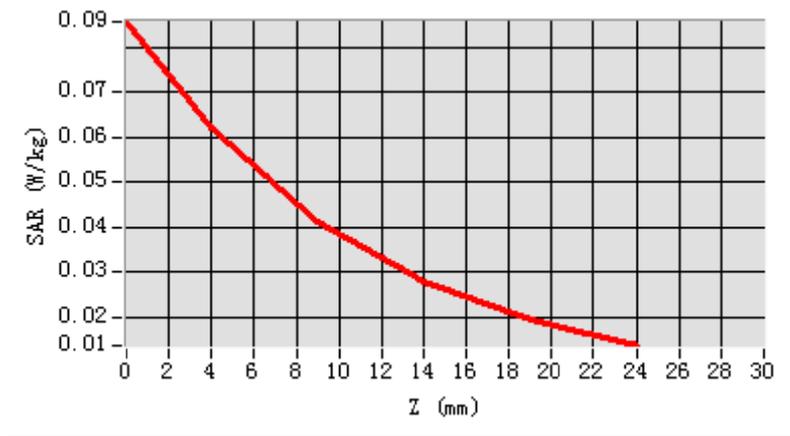


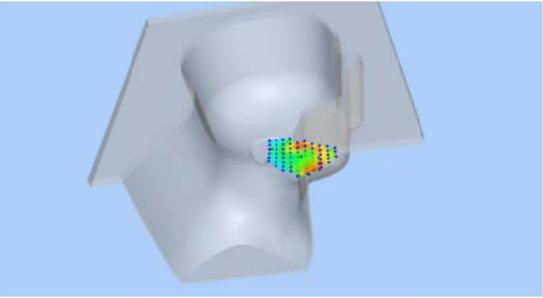
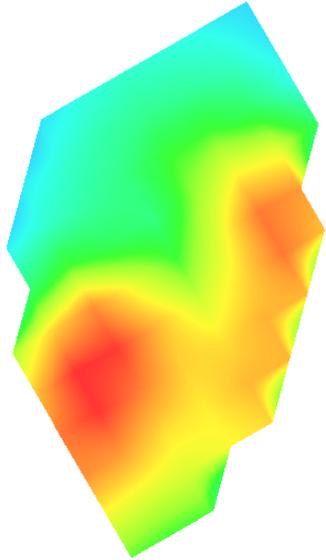
Maximum location: X=-55.00, Y=-59.00

SAR Peak: 0.09 W/kg

SAR 10g (W/Kg)	0.036615
SAR 1g (W/Kg)	0.059017

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0857	0.0621	0.0414	0.0281	0.0197



3D screen shot	Hot spot position
	

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

Type: Phone measurement

Date of measurement: 07/12/2016

Measurement duration: 22 minutes 15 seconds

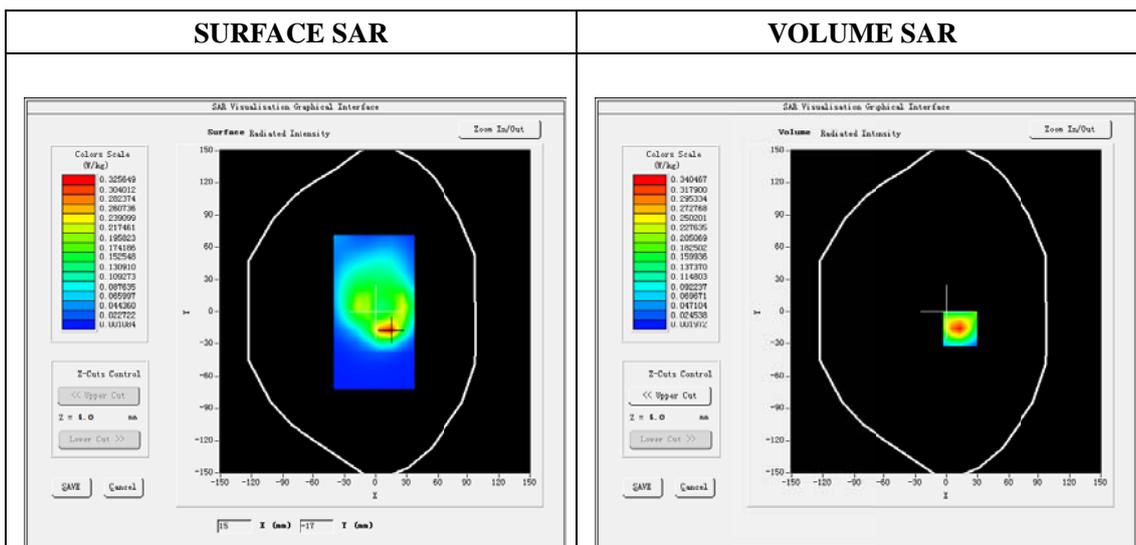
Mobile Phone IMEI number: --

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	1880
Relative permittivity (real part)	55.34
Relative permittivity (imaginary)	14.33
Conductivity (S/m)	1.57
Variation (%)	-0.99
ConvF:	6.13

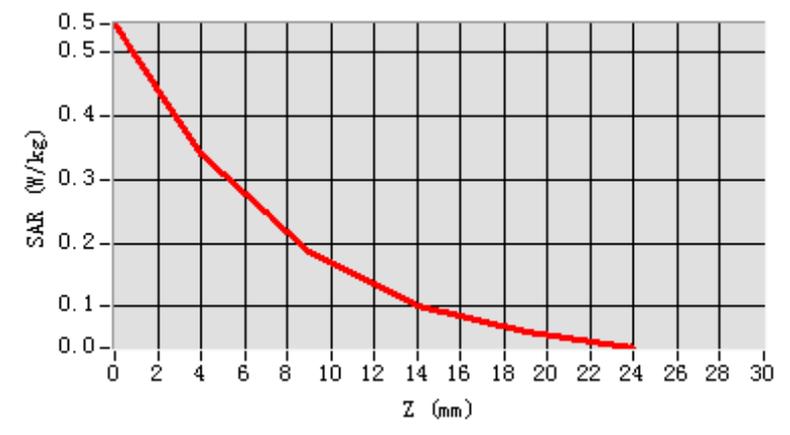


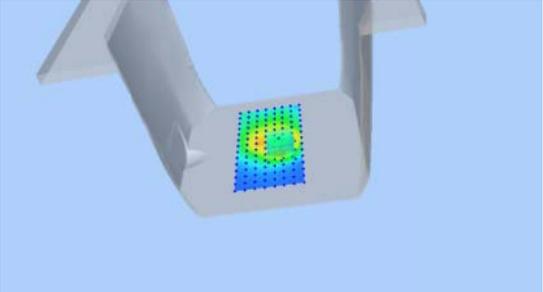
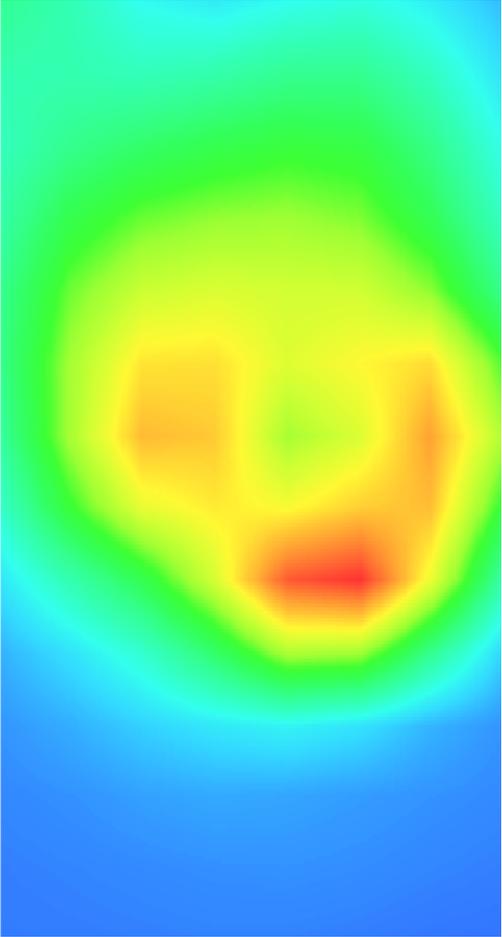
Maximum location: X=13.00, Y=-16.00

SAR Peak: 0.55 W/kg

SAR 10g (W/Kg)	0.155710
SAR 1g (W/Kg)	0.314882

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.5428	0.3405	0.1851	0.1021	0.0602



3D screen shot	Hot spot position
	

Plot 13: LTE Band4, 20MHz, Left Cheek Middle

Type: Phone measurement

Date of measurement: 06/12/2016

Measurement duration: 22 minutes 33 seconds

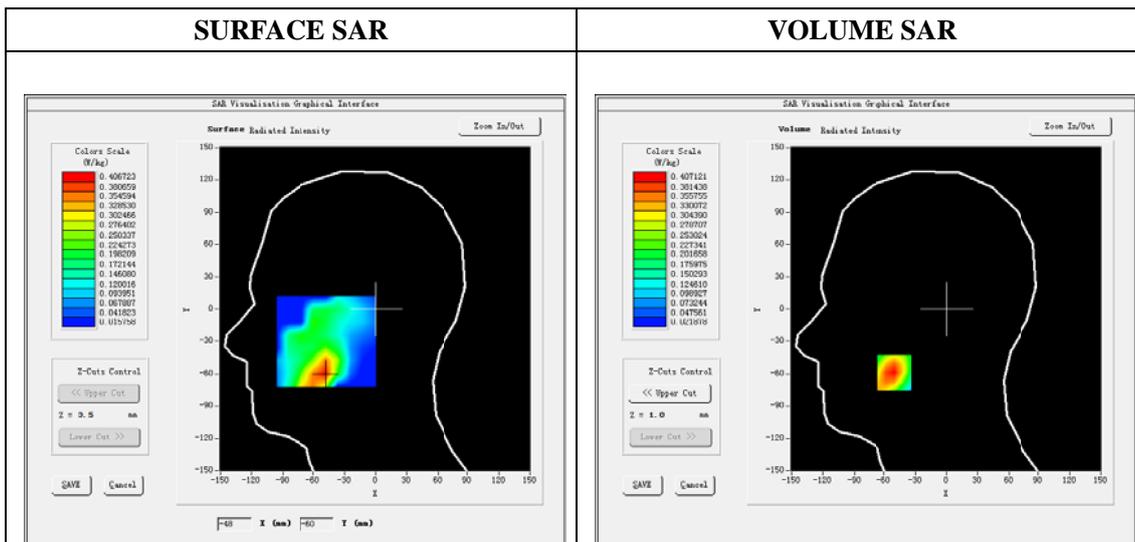
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	1732.5
Relative permittivity (real part)	40.33
Relative permittivity (imaginary)	14.48
Conductivity (S/m)	1.41
Variation (%)	-0.12
ConvF:	5.44

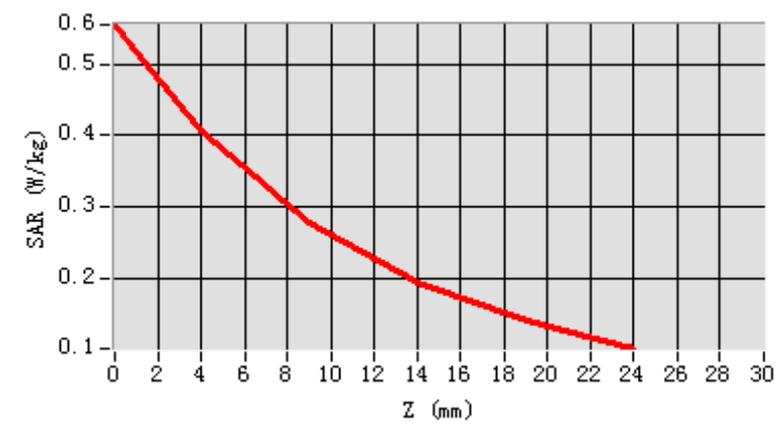


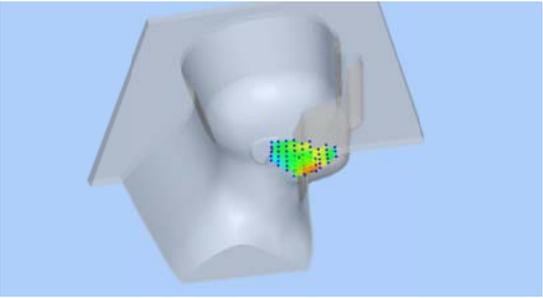
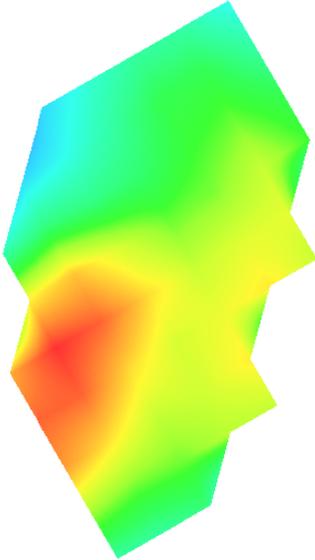
Maximum location: X=-50.00, Y=-59.00

SAR Peak: 0.56 W/kg

SAR 10g (W/Kg)	0.246777
SAR 1g (W/Kg)	0.390577

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.5547	0.4071	0.2775	0.1940	0.1410



3D screen shot	Hot spot position
	

Plot 14: LTE Band4, 20MHz, Back Middle

Type: Phone measurement

Date of measurement: 06/12/2016

Measurement duration: 22 minutes 43 seconds

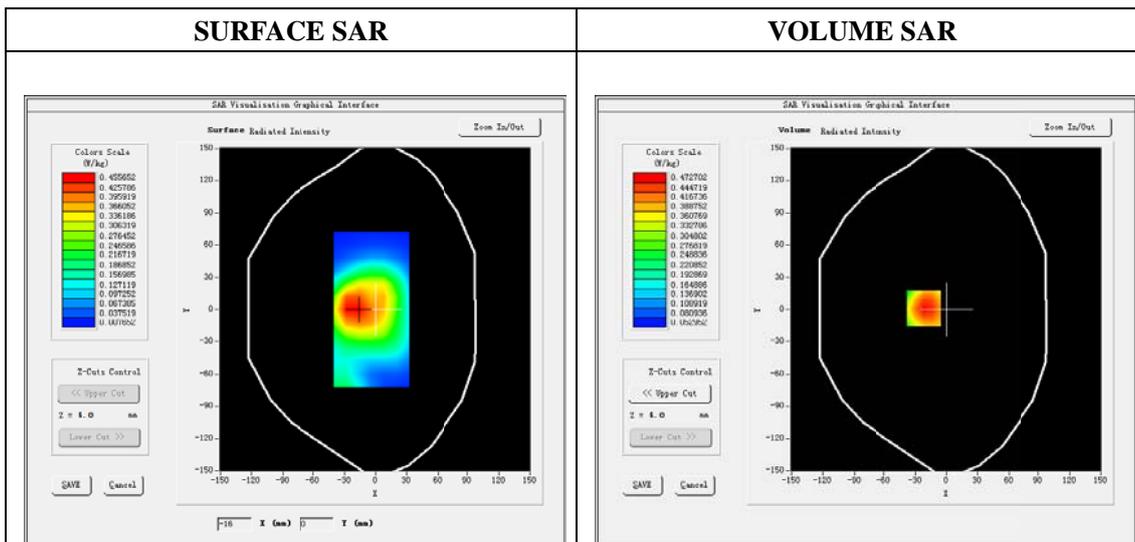
Mobile Phone IMEI number: --

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	1732.5
Relative permittivity (real part)	53.34
Relative permittivity (imaginary)	15.42
Conductivity (S/m)	1.55
Variation (%)	-0.58
ConvF:	5.62

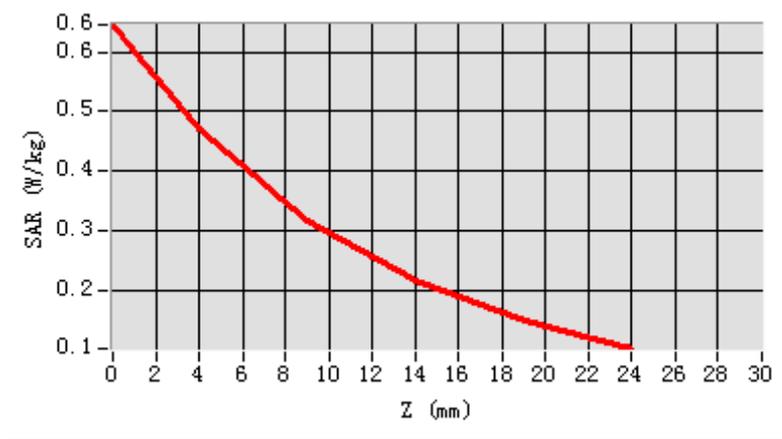


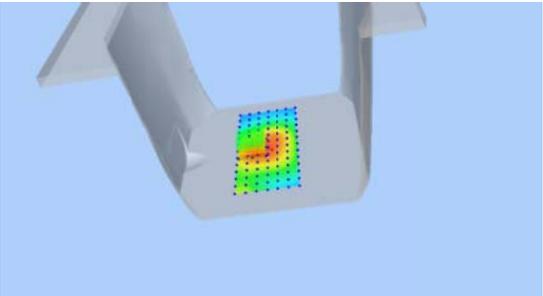
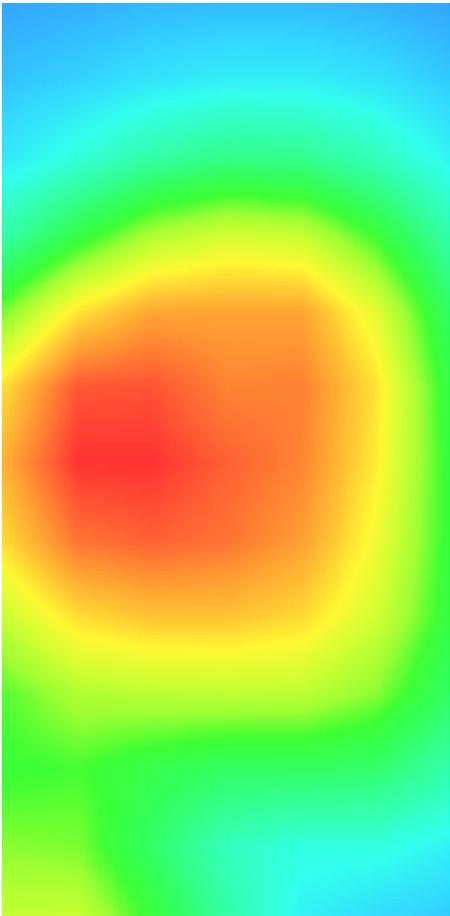
Maximum location: X=-22.00, Y=1.00

SAR Peak: 0.65 W/kg

SAR 10g (W/Kg)	0.297486
SAR 1g (W/Kg)	0.456319

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6453	0.4727	0.3188	0.2171	0.1506



3D screen shot	Hot spot position
	

Plot 15: LTE Band7, 20MHz, Right Cheek, Middle

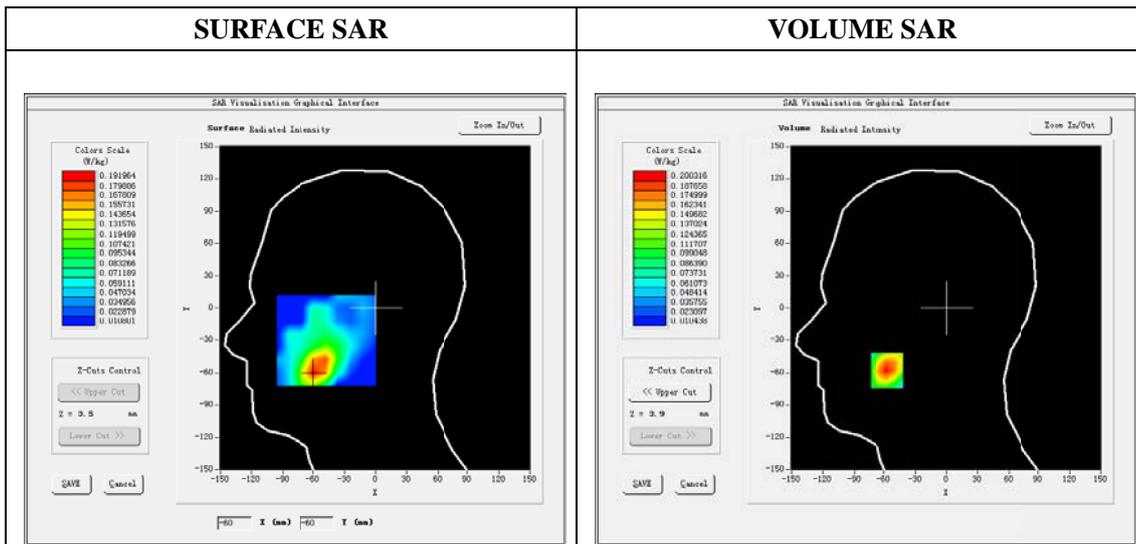
Type: Phone measurement
 Date of measurement: 08/12/2016
 Measurement duration: 22 minutes 43 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Cheek
Band	LTE Band 7
Channels	21100
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	2535
Relative permittivity (real part)	39.09
Relative permittivity (imaginary)	13.42
Conductivity (S/m)	1.89
Variation (%)	-0.37
ConvF:	5.57

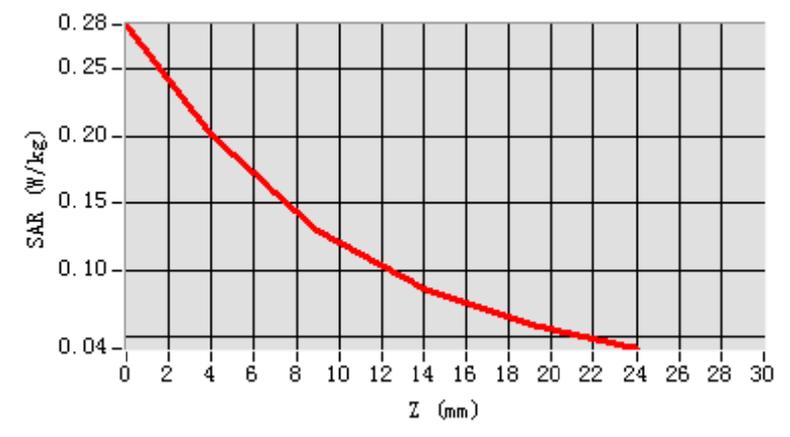


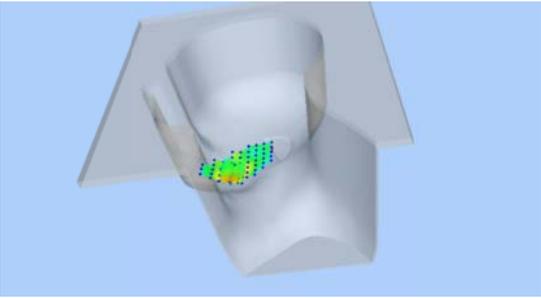
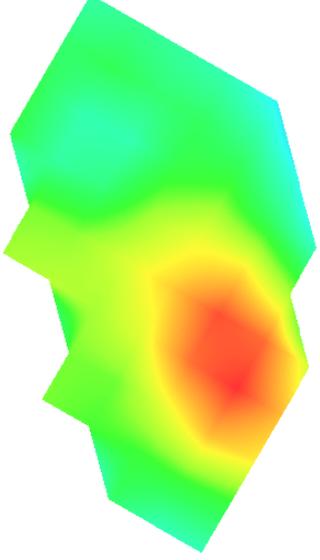
Maximum location: X=-58.00, Y=-58.00

SAR Peak: 0.28 W/kg

SAR 10g (W/Kg)	0.113067
SAR 1g (W/Kg)	0.187924

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2827	0.2003	0.1300	0.0864	0.0598



3D screen shot	Hot spot position
	

Plot 16: LTE Band7, 20MHz, Back, Middle

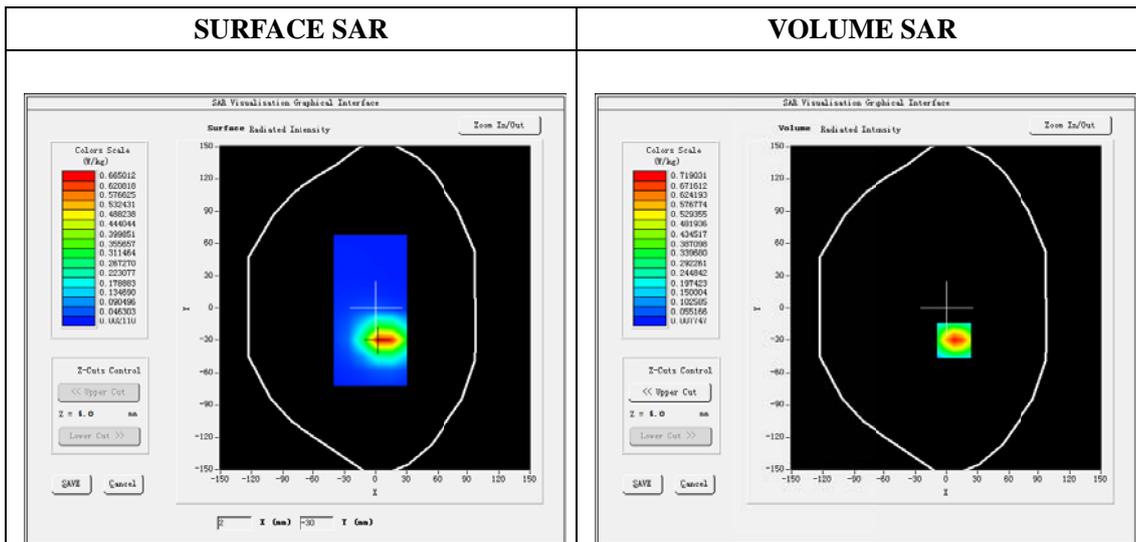
Type: Phone measurement
 Date of measurement: 08/12/2016
 Measurement duration: 22 minutes 33 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	LTE Band 7
Channels	21100
Signal	LTE (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	2535
Relative permittivity (real part)	52.56
Relative permittivity (imaginary)	14.55
Conductivity (S/m)	2.12
Variation (%)	0.96
ConvF:	5.73

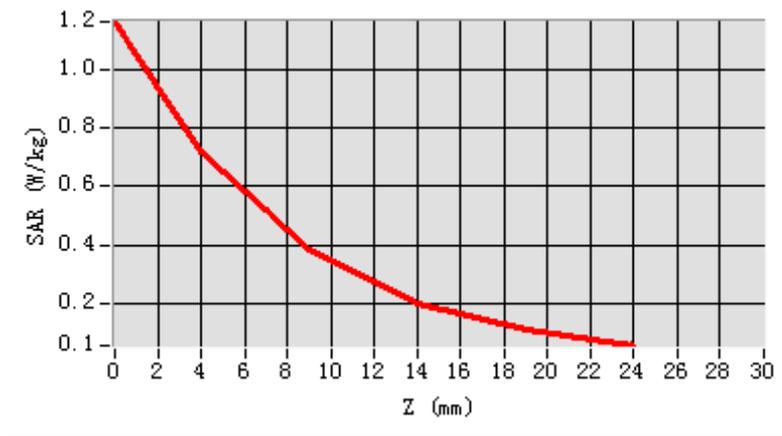


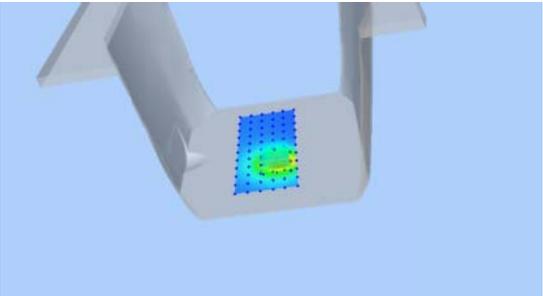
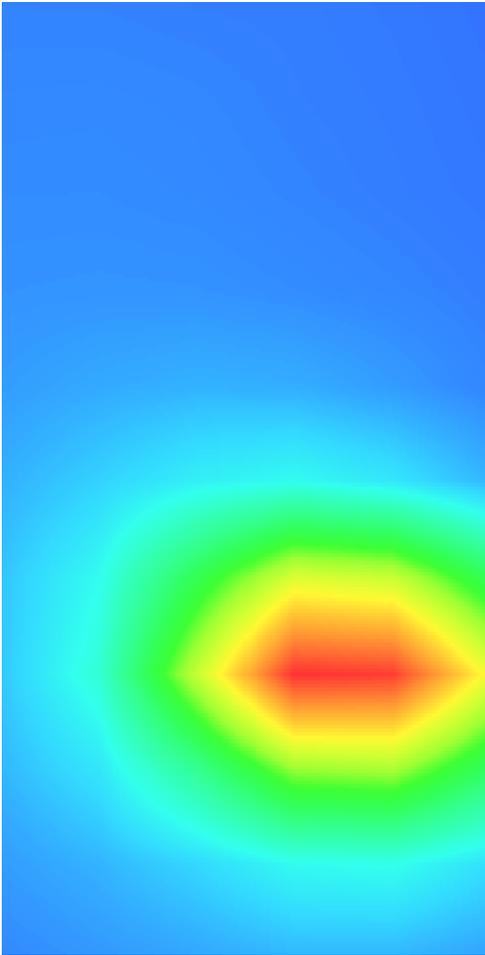
Maximum location: X=7.00, Y=-30.00

SAR Peak: 1.17 W/kg

SAR 10g (W/Kg)	0.327115
SAR 1g (W/Kg)	0.664729

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.1610	0.7190	0.3801	0.1989	0.1074



3D screen shot	Hot spot position
	

Plot 17: LTE Band12, 10MHz, Right Cheek, Middle

Type: Phone measurement
 Date of measurement: 04/12/2016
 Measurement duration: 22 minutes 26 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	707.5
Relative permittivity (real part)	41.82
Relative permittivity (imaginary)	20.26
Conductivity (S/m)	0.86
Variation (%)	-1.64
ConvF:	5.96

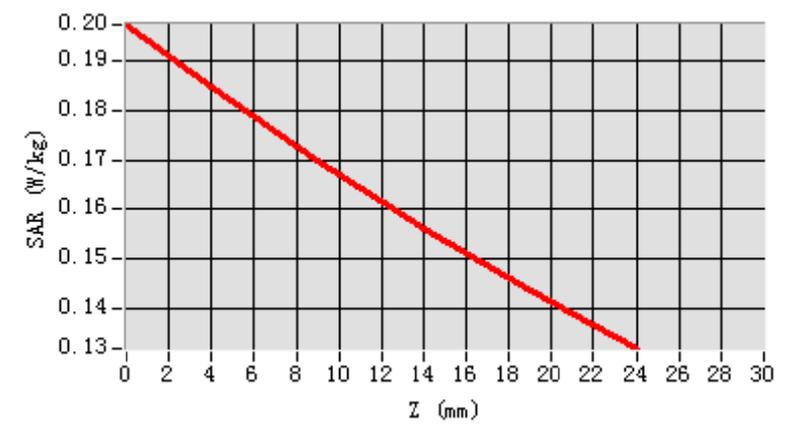


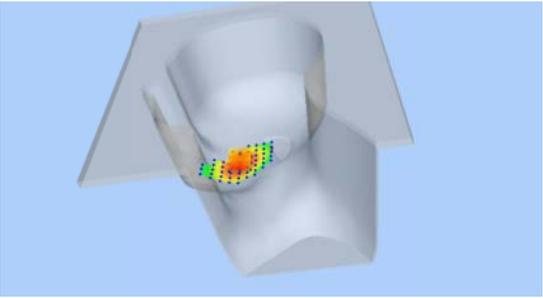
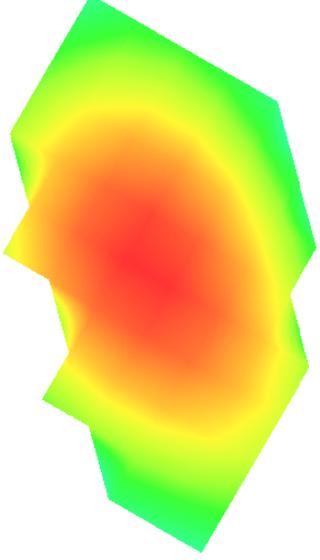
Maximum location: X=-47.00, Y=-28.00

SAR Peak: 0.20 W/kg

SAR 10g (W/Kg)	0.159837
SAR 1g (W/Kg)	0.184519

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1974	0.1846	0.1698	0.1561	0.1435



3D screen shot	Hot spot position
	

Plot 18: LTE Band12, 10MHz, Back, Middle

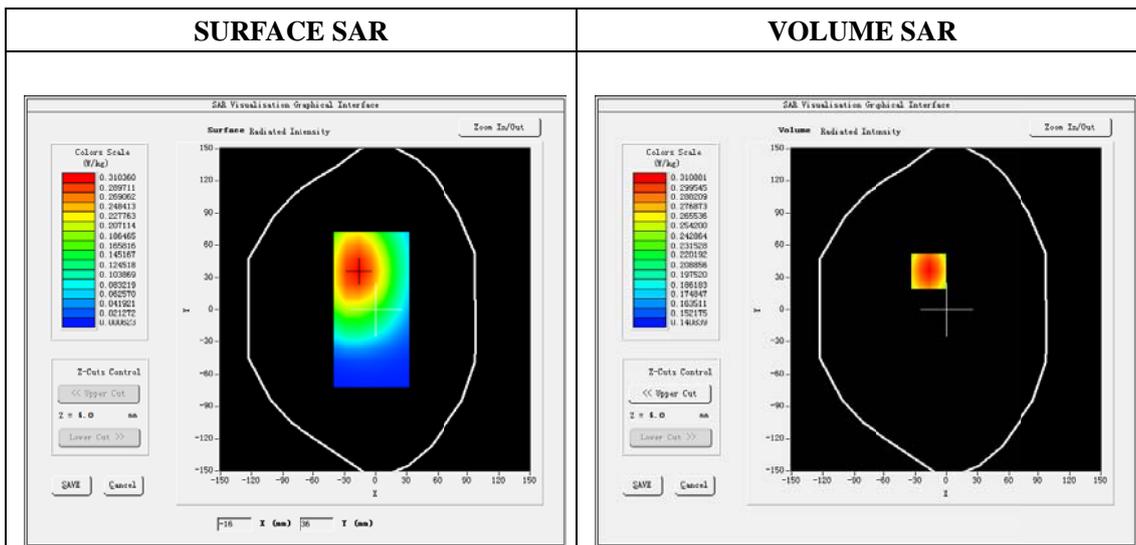
Type: Phone measurement
 Date of measurement: 04/12/2016
 Measurement duration: 22 minutes 53 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	707.5
Relative permittivity (real part)	55.23
Relative permittivity (imaginary)	22.15
Conductivity (S/m)	0.95
Variation (%)	-1.47
ConvF:	6.13

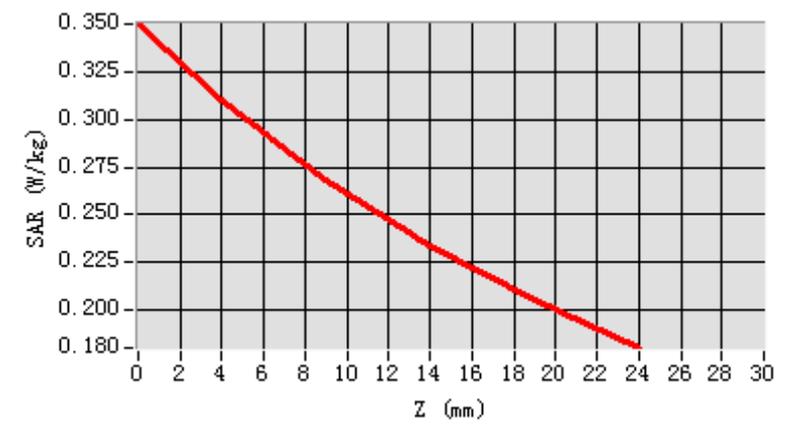


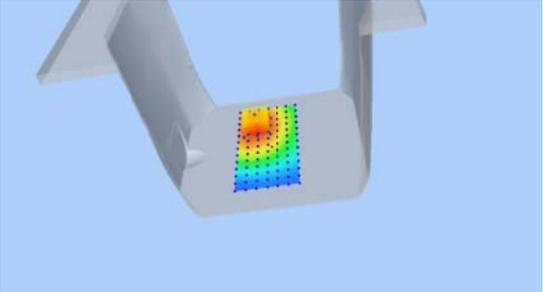
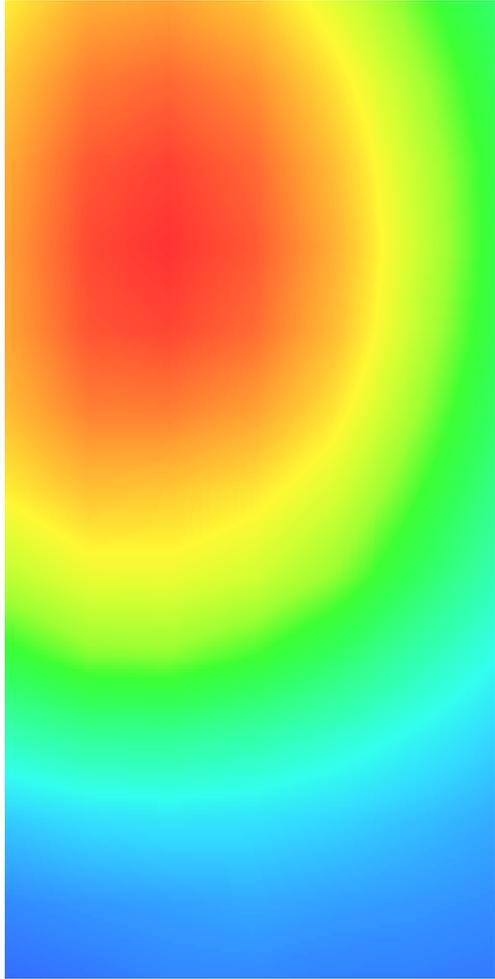
Maximum location: X=-17.00, Y=36.00

SAR Peak: 0.35 W/kg

SAR 10g (W/Kg)	0.255935
SAR 1g (W/Kg)	0.309334

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3504	0.3109	0.2687	0.2340	0.2051



3D screen shot	Hot spot position
	

Plot 19: LTE Band13, 10MHz, Right Cheek, Middle

Type: Phone measurement

Date of measurement: 04/12/2016

Measurement duration: 22 minutes 41 seconds

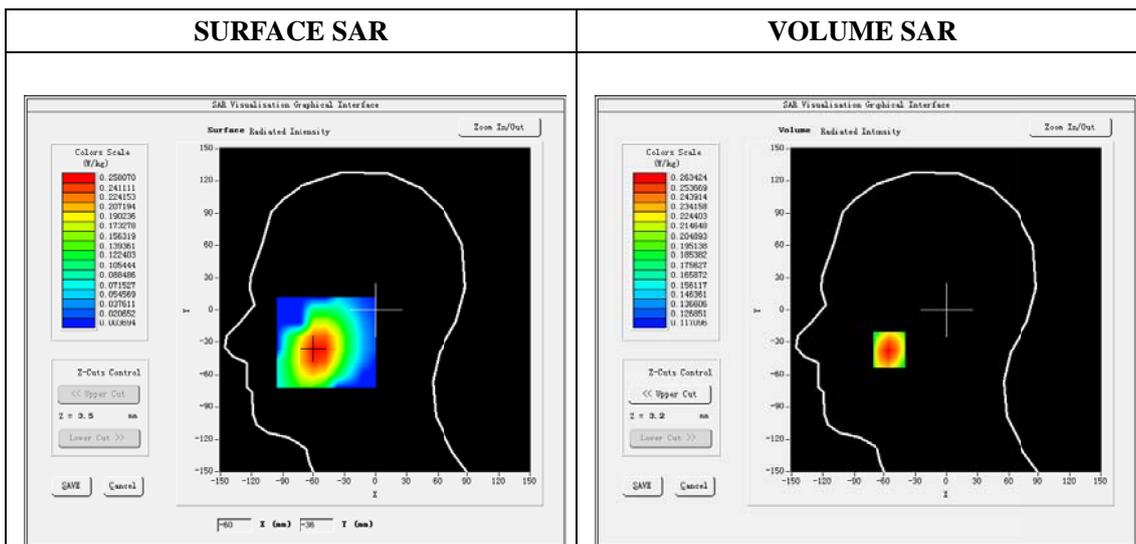
Mobile Phone IMEI number: --

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 SN_43/15_EP276
Frequency (MHz)	782
Relative permittivity (real part)	41.82
Relative permittivity (imaginary)	20.26
Conductivity (S/m)	0.86
Variation (%)	-1.46
ConvF:	5.96

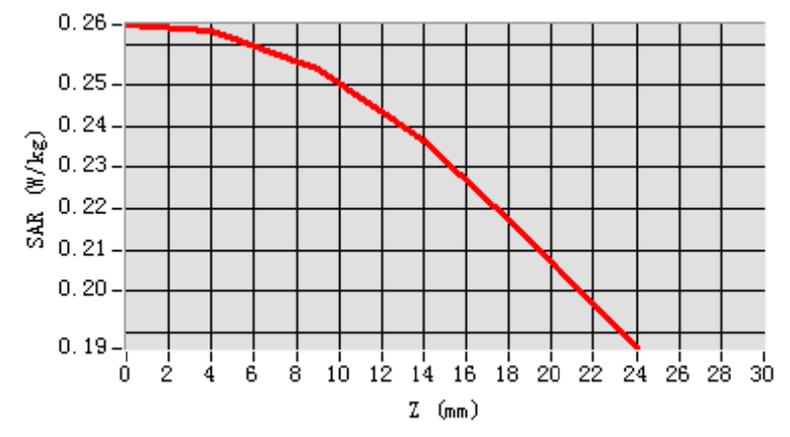


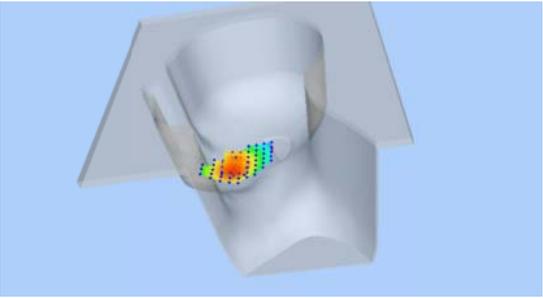
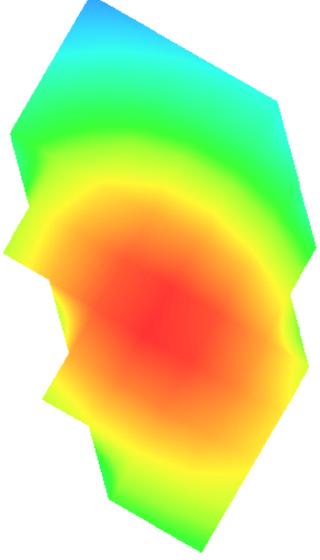
Maximum location: X=-56.00, Y=-37.00

SAR Peak: 0.26 W/kg

SAR 10g (W/Kg)	0.226401
SAR 1g (W/Kg)	0.258426

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2647	0.2634	0.2542	0.2364	0.2122



3D screen shot	Hot spot position
	

Plot 20: LTE Band13, 20MHz, Back, Middle

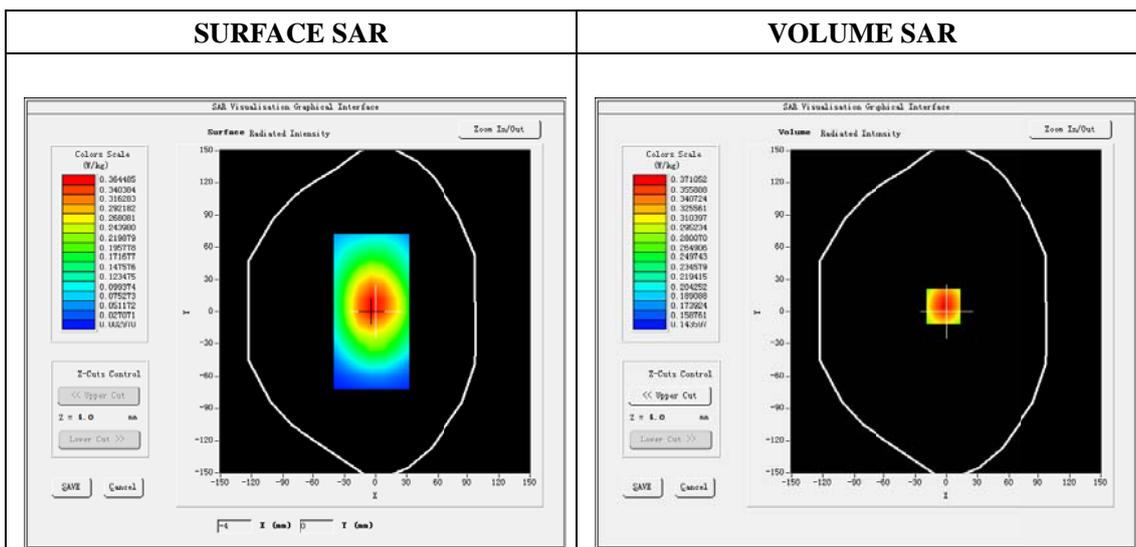
Type: Phone measurement
 Date of measurement: 04/12/2016
 Measurement duration: 22 minutes 52 seconds
 Mobile Phone IMEI number: --

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 SN_43/15_EP276
Frequency (MHz)	782
Relative permittivity (real part)	55.23
Relative permittivity (imaginary)	22.15
Conductivity (S/m)	0.95
Variation (%)	-0.36
ConvF:	6.13

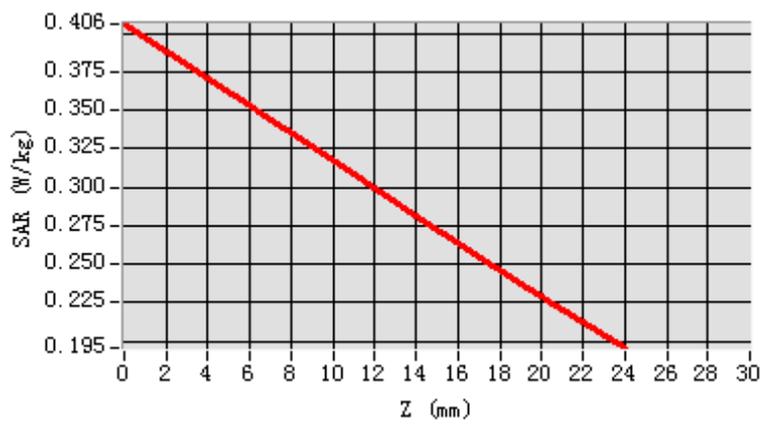


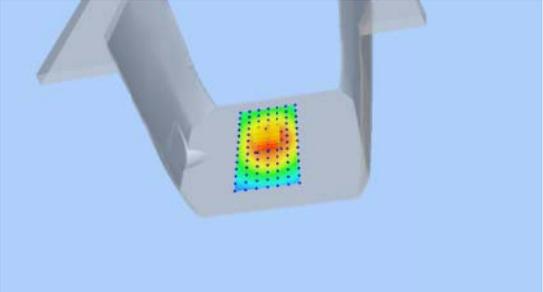
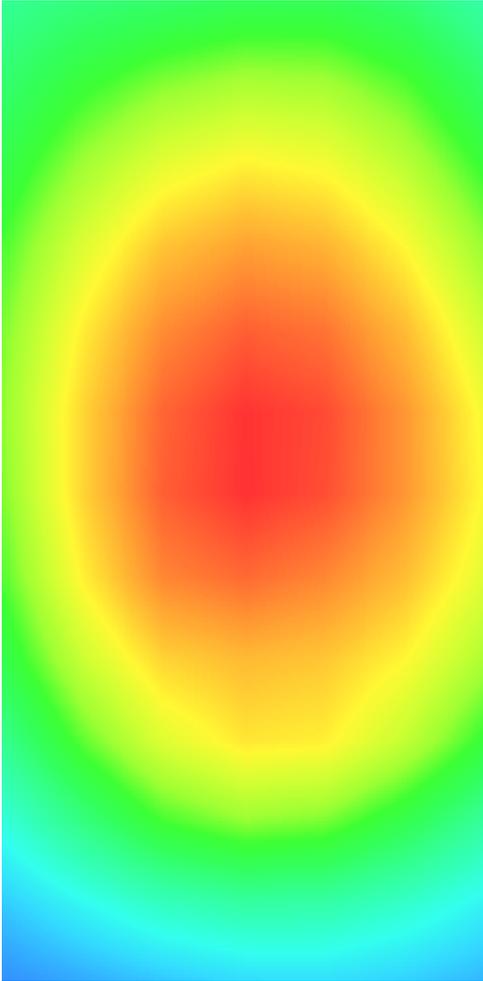
Maximum location: X=-3.00, Y=5.00

SAR Peak: 0.41 W/kg

SAR 10g (W/Kg)	0.294416
SAR 1g (W/Kg)	0.361323

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4061	0.3711	0.3264	0.2814	0.2371



3D screen shot	Hot spot position
	

Plot 21: WIFI Right Cheek, Middle

Type: Phone measurement

Date of measurement: 08/12/2016

Measurement duration: 22 minutes 23 seconds

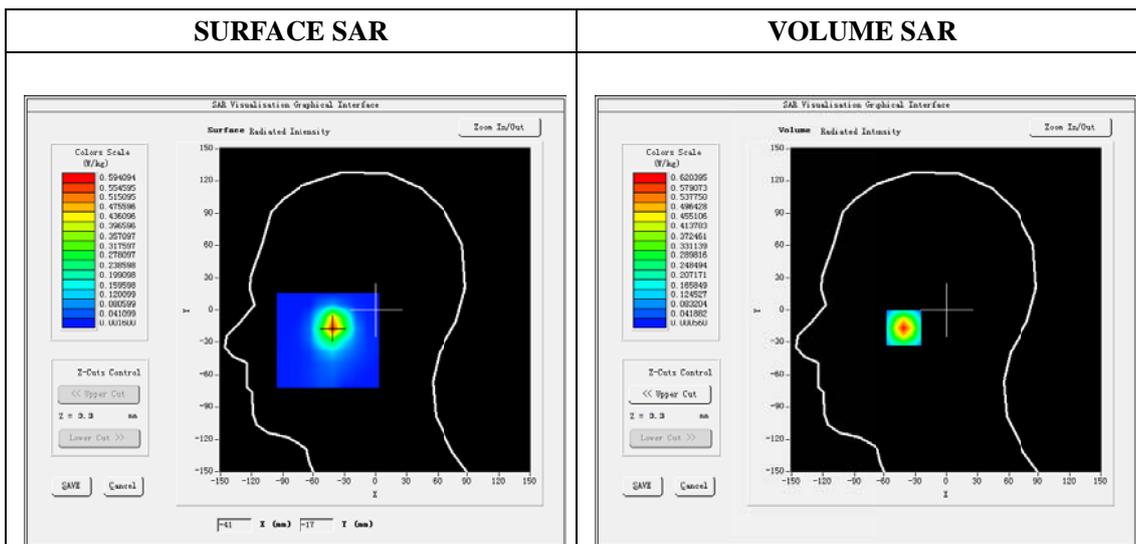
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Cheek
Band	WIFI
Channels	6
Signal	OFDM (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	2437
Relative permittivity (real part)	39.22
Relative permittivity (imaginary)	13.31
Conductivity (S/m)	1.81
Variation (%)	0.51
ConvF:	5.52

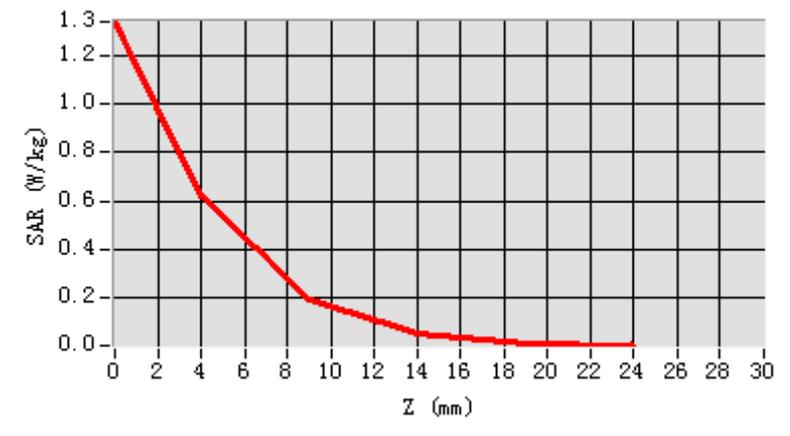


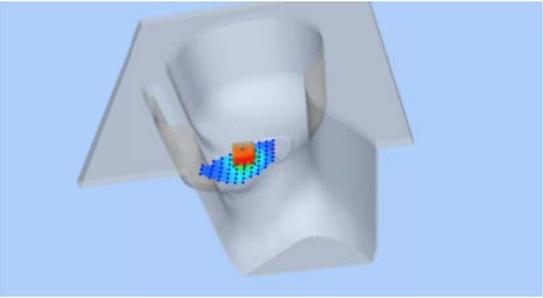
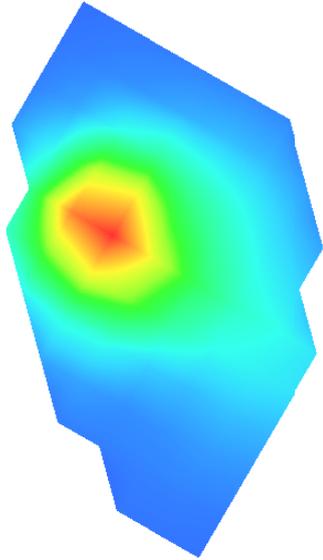
Maximum location: X=-41.00, Y=-16.00

SAR Peak: 1.33 W/kg

SAR 10g (W/Kg)	0.224031
SAR 1g (W/Kg)	0.577401

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.3354	0.6204	0.1968	0.0531	0.0168



3D screen shot	Hot spot position
	

Plot 22: WIFI Face, Middle

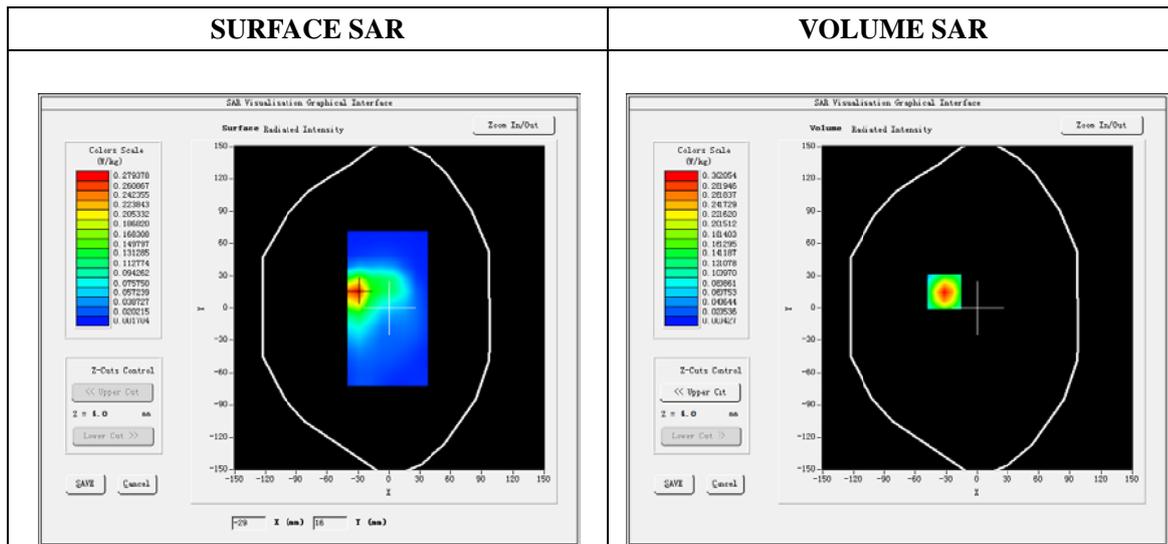
Type: Phone measurement
 Date of measurement: 08/12/2016
 Measurement duration: 22 minutes 13 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	WIFI
Channels	6
Signal	OFDM (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_43/15_EP276
Frequency (MHz)	2437
Relative permittivity (real part)	52.56
Relative permittivity (imaginary)	14.55
Conductivity (S/m)	2.12
Variation (%)	-1.20
ConvF:	5.70

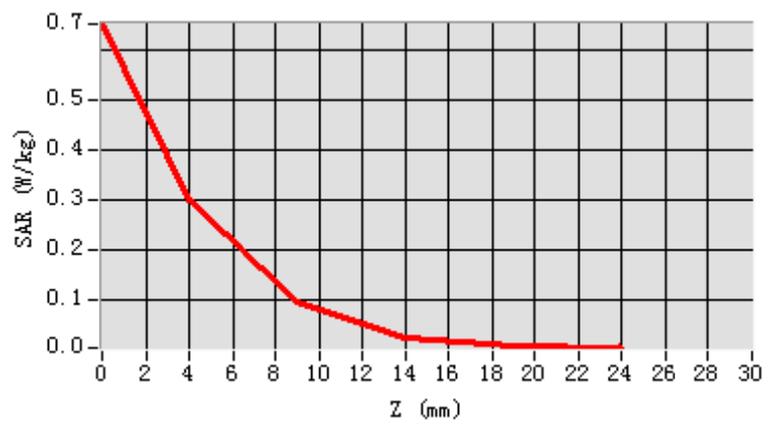


Maximum location: X=-32.00, Y=15.00

SAR Peak: 0.65W/kg

SAR 10g (W/Kg)	0.120872
SAR 1g (W/Kg)	0.289452

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6532	0.3021	0.0952	0.0258	0.0086



3D screen shot	Hot spot position
