

ANNEX C

of

CCIC-SET

CONFORMANCE TEST REPORT FOR

HUMAN EXPOSURE TO ELECTROMAGNETIC FIELDS

SET2015-19706

Mobile phone

Type Name: HM-G700-FL

Hardware Version: H01

Software Version: V01

System Performance Check Data and Highest SAR Plots

This Annex consists of 35 pages

Date of Report: 2016-01-04

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:23/12/2015

Measurement duration: 21 minutes 24 seconds

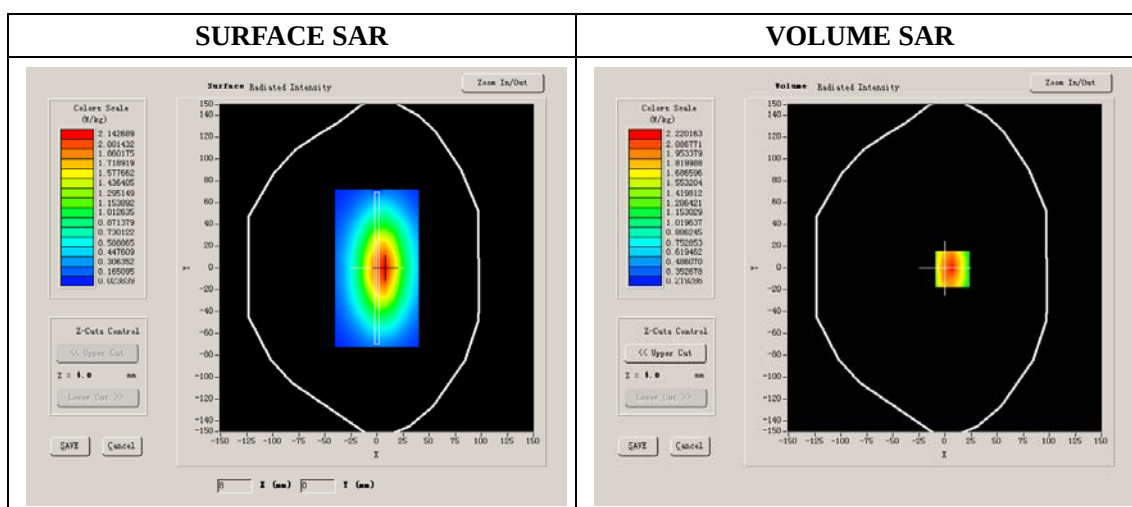
A. Experimental conditions.

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

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_09/13_EP169
Frequency (MHz)	750
Relative permittivity (real part)	41.71
Relative permittivity	21.12
Conductivity (S/m)	0.88
Power drift (%)	0.41
Ambient Temperature:	23.2°C
Liquid Temperature:	23.5°C
ConvF:	5.26
Duty factor:	1:1



Maximum location: X=7.00, Y=-1.00

SAR 10g (W/Kg)	1.134368
SAR 1g (W/Kg)	2.096874

System Performance Check (Head, 850MHz)

Type: Validation measurement

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

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

Date of measurement: 23/12/2015

Measurement duration: 21 minutes 24 seconds

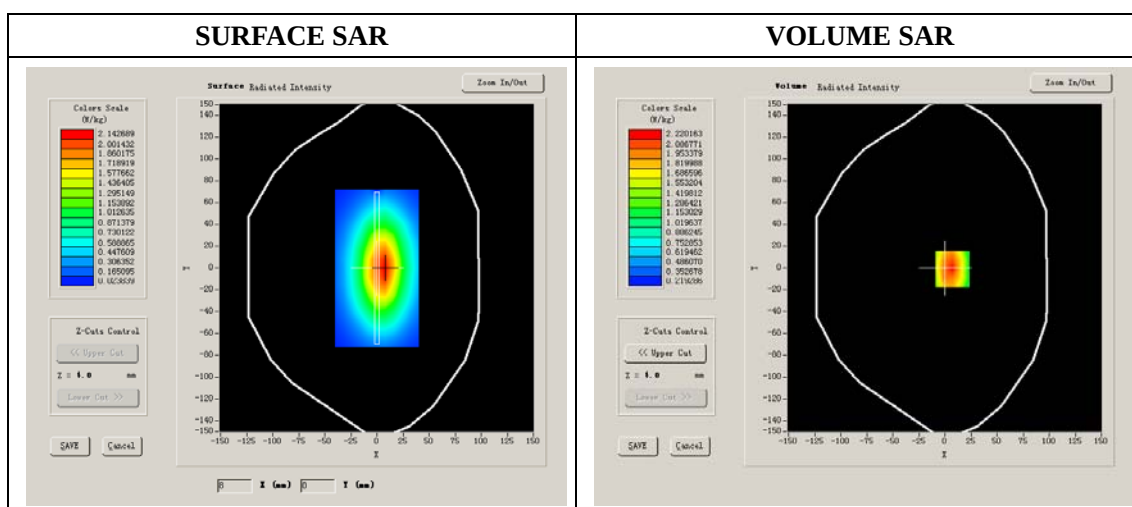
A. Experimental conditions.

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

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	850
Relative permittivity (real part)	41.36
Relative permittivity	18.97
Conductivity (S/m)	0.88
Power drift (%)	-1.33
Ambient Temperature:	23.2°C
Liquid Temperature:	23.5°C
ConvF:	5.69
Duty factor:	1:1



Maximum location: X=7.00, Y=-1.00

SAR 10g (W/Kg)	1.813603
SAR 1g (W/Kg)	2.403872

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: 24/12/2015

Measurement duration: 20 minutes 52seconds

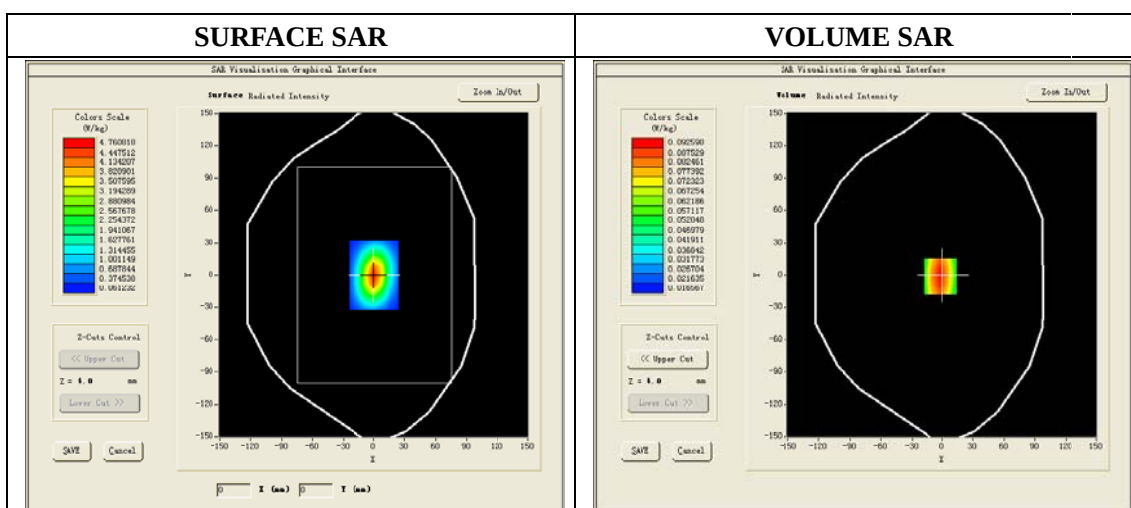
A. Experimental conditions.

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

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	1800
Relative permittivity (real part)	39.75
Relative permittivity	13.90
Conductivity (S/m)	1.39
Power drift (%)	-2.17
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
ConvF:	4.75
Duty factor:	1:1



Maximum location: X=6.00, Y=0.00

SAR 10g (W/Kg)	4.993571
SAR 1g (W/Kg)	9.473650

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: 24/12/2015

Measurement duration: 22 minutes 32 seconds

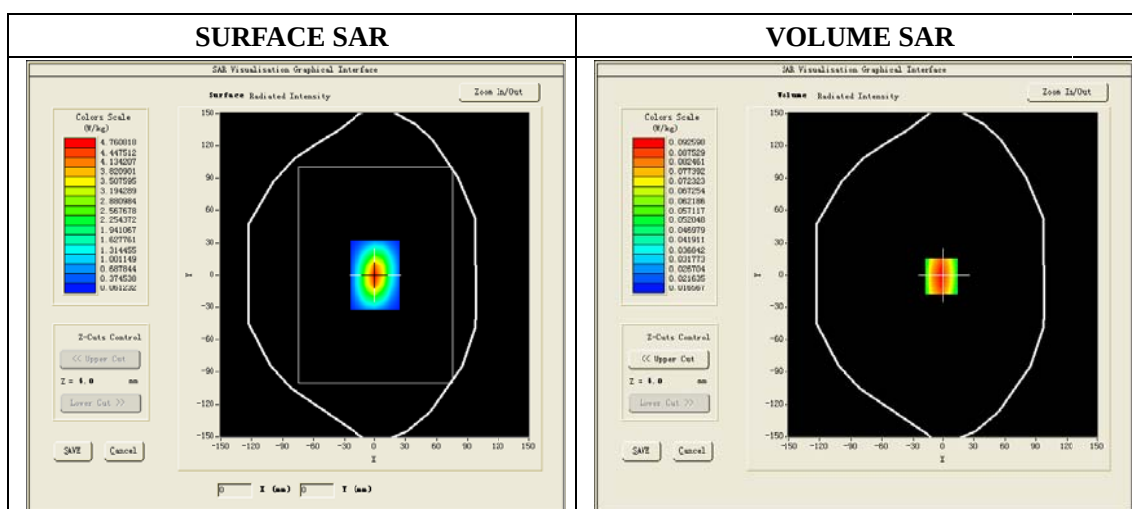
A. Experimental conditions.

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

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	1900.000000
Relative permittivity (real part)	39.85
Relative permittivity	13.17
Conductivity (S/m)	1.39
Power drift (%)	0.66
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
ConvF:	5.25
Duty factor:	1:1



Maximum location: X=6.00, Y=0.00

SAR 10g (W/Kg)	5.156357
SAR 1g (W/Kg)	9.848365

System Performance Check (Head, 2450MHz)

Type: Phone measurement

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

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

Date of measurement:26/12/2015

Measurement duration: 21 minutes 24 seconds

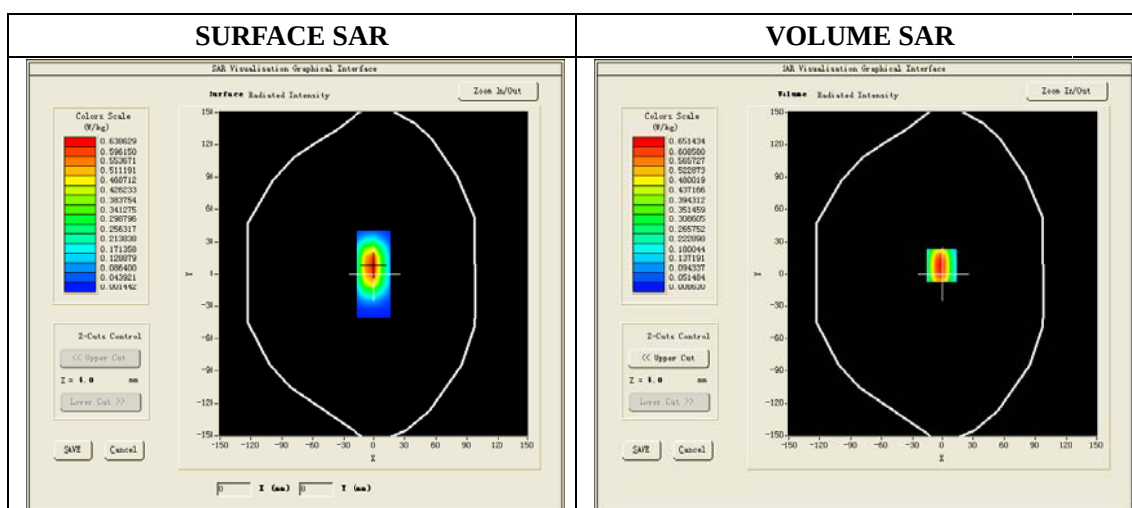
A. Experimental conditions.

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_04/13_EP166
Frequency (MHz)	2450
Relative permittivity (real part)	38.94
Relative permittivity	13.15
Conductivity (S/m)	1.79
Power Drift (%)	0.47
ConvF:	4.93
Duty factor:	1:1



Maximum location: X=0.00, Y=8.00

SAR 10g (W/Kg)	5.913520
SAR 1g (W/Kg)	13.163574

System Performance Check (Head, 2600MHz)

Type: Phone measurement

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

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

Date of measurement: 26/12/2015

Measurement duration: 22 minutes 21 seconds

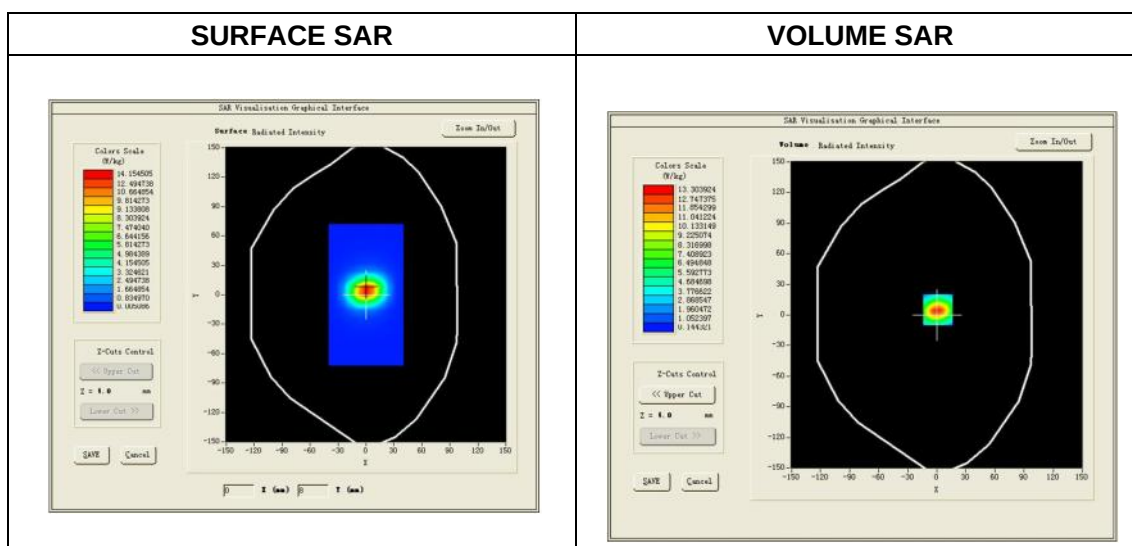
A. Experimental conditions.

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_04/13_EP166
Frequency (MHz)	2600
Relative permittivity (real part)	38.89
Relative permittivity	13.36
Conductivity (S/m)	1.93
Power drift (%)	-0.96
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	5.08



Maximum location: X=1.00, Y=5.00

SAR 10g (W/Kg)	5.953674
SAR 1g (W/Kg)	13.942837

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: 27/12/2015

Measurement duration: 20 minutes 12 seconds

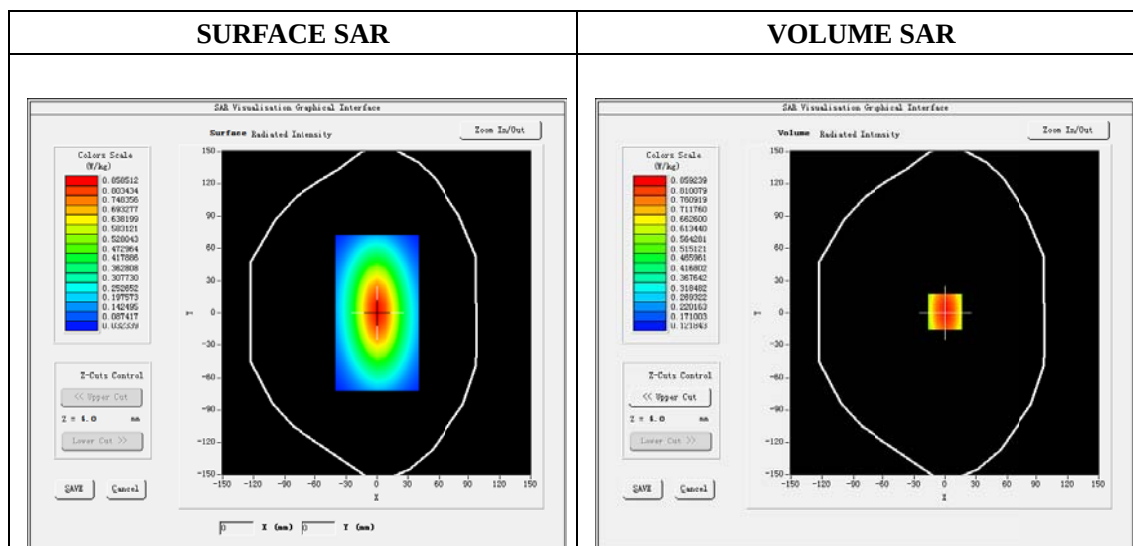
A. Experimental conditions.

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_09/13_EP169
Frequency (MHz)	750
Relative permittivity (real part)	55.01
Relative permittivity	22.80
Conductivity (S/m)	0.95
Power drift (%)	-3.11
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
ConvF:	5.41
Duty factor:	1:1



Maximum location: X=0.00, Y=1.00

SAR 10g (W/Kg)	0.996423
SAR 1g (W/Kg)	2.012576

System Performance Check (Body, 850MHz)

Type: Validation measurement

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

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

Date of measurement: 27/12/2015

Measurement duration: 20 minutes 12 seconds

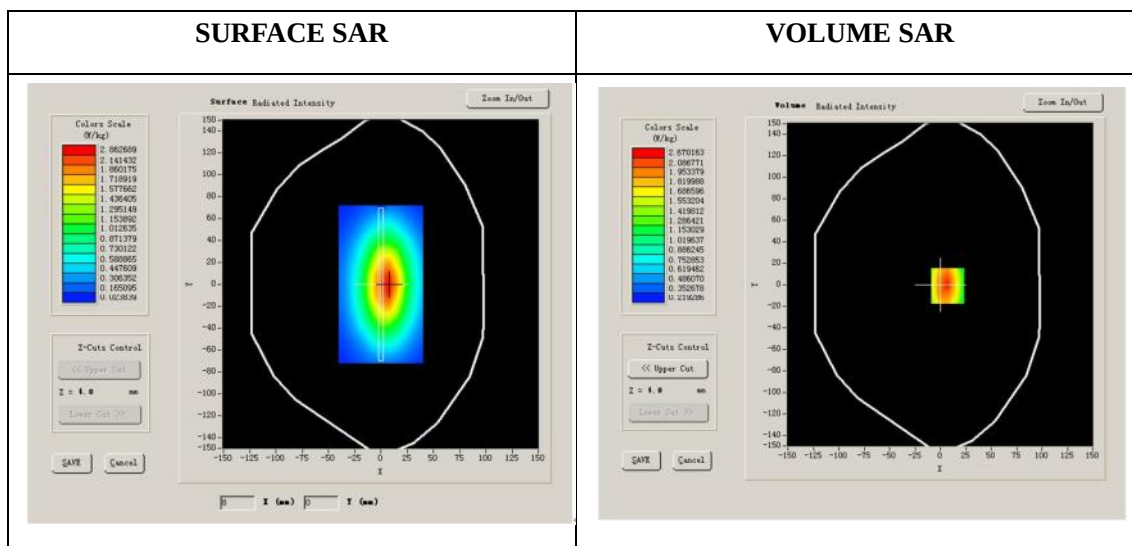
A. Experimental conditions.

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_04/13_EP166
Frequency (MHz)	850
Relative permittivity (real part)	55.32
Relative permittivity	20.12
Conductivity (S/m)	0.95
Power drift (%)	-0.22
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
ConvF:	5.82
Duty factor:	1:1



Maximum location: X=7.00, Y=-1.00

SAR 10g (W/Kg)	1.631452
SAR 1g (W/Kg)	2.523687

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: 28/12/2015

Measurement duration: 20 minutes 06 seconds

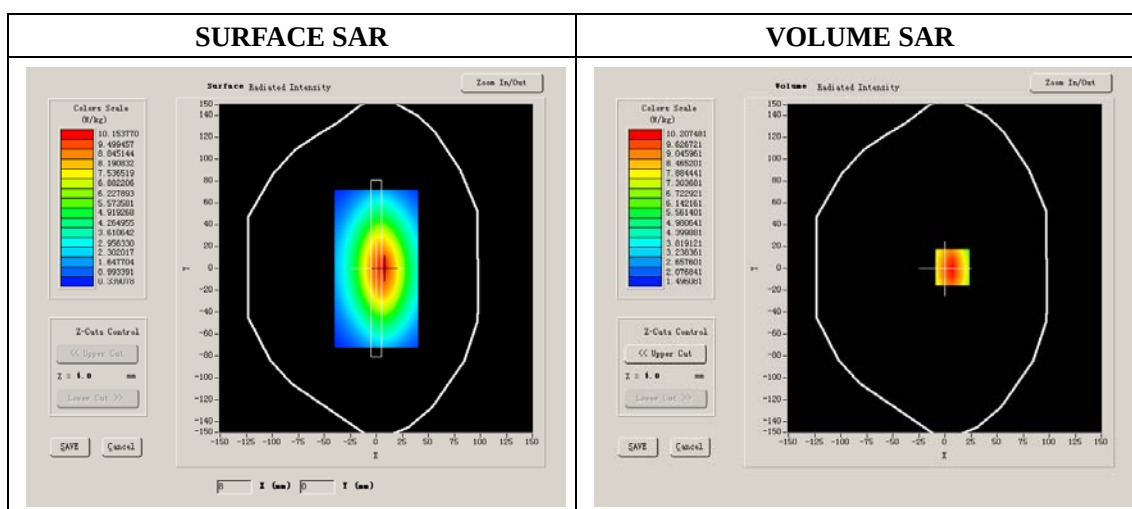
A. Experimental conditions.

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_04/13_EP166
Frequency (MHz)	1800
Relative permittivity (real part)	53.37
Relative permittivity	15.00
Conductivity (S/m)	1.50
Power drift (%)	-0.31
Ambient Temperature:	22.2°C
Liquid Temperature:	22.6°C
ConvF:	4.96
Crest factor:	1:1



Maximum location: X=7.00, Y=1.00

SAR 10g (W/Kg)	5.020572
SAR 1g (W/Kg)	9.831277

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: 28/12/2015

Measurement duration: 21 minutes 34 seconds

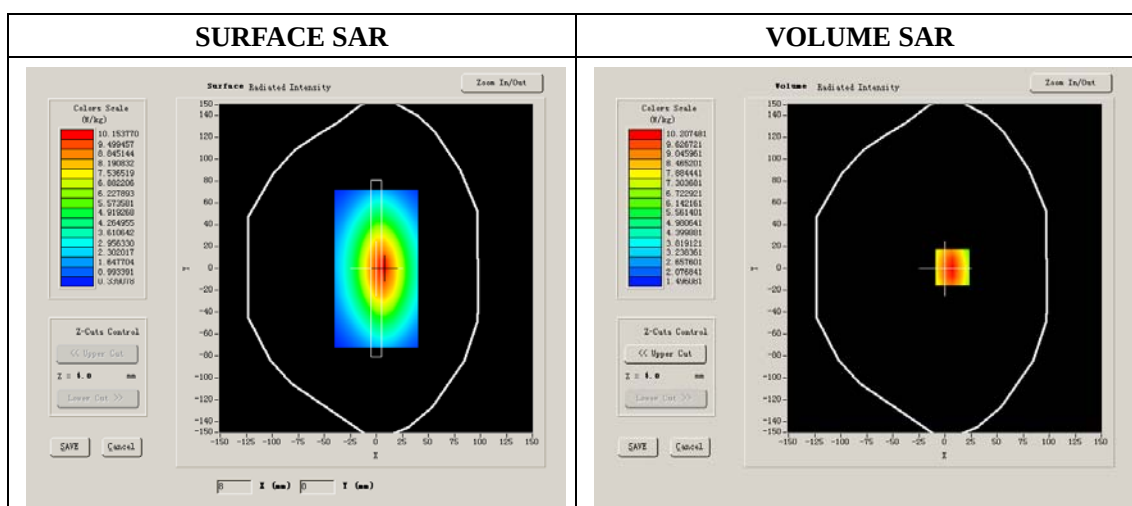
A. Experimental conditions.

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_04/13_EP166
Frequency (MHz)	1900
Relative permittivity (real part)	53.14
Relative permittivity	14.40
Conductivity (S/m)	1.52
Power Drift (%)	-0.55
Ambient Temperature:	22.1°C
Liquid Temperature:	22.6°C
ConvF:	5.43
Duty factor:	1:1



Maximum location: X=1.00, Y=6.00

SAR 10g (W/Kg)	5.268423
SAR 1g (W/Kg)	10.108358

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: 29/12/2015

Measurement duration: 22 minutes 21 seconds

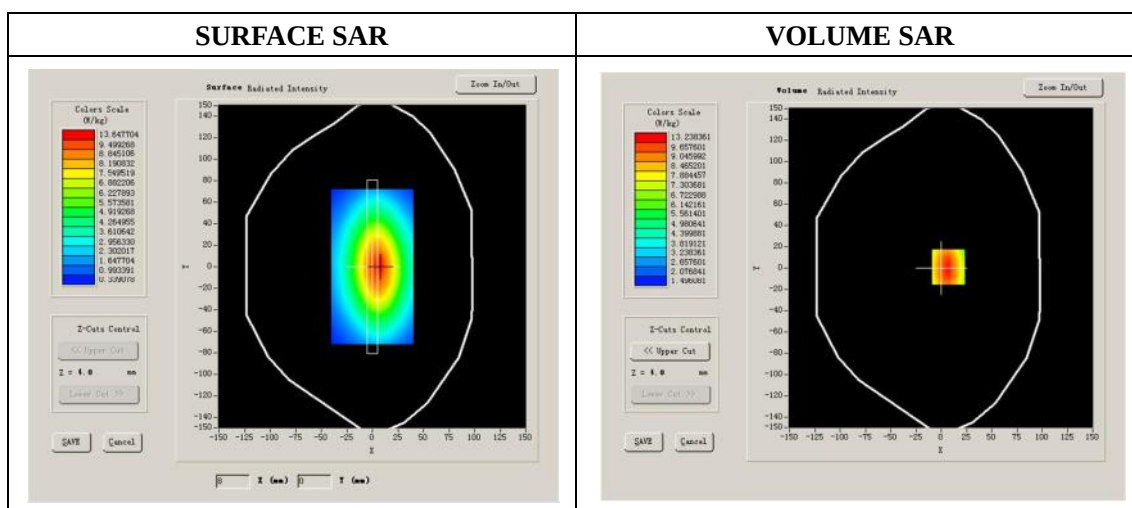
A. Experimental conditions.

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_04/13_EP166
Frequency (MHz)	2450
Relative permittivity (real part)	52.53
Relative permittivity	14.25
Conductivity (S/m)	1.94
Power Drift (%)	-0.49
Duty factor:	1:1
ConvF:	5.09



Maximum location: X=0.00, Y=8.00

SAR 10g (W/Kg)	6.050681
SAR 1g (W/Kg)	13.064876

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: 29/12/2015

Measurement duration: 22 minutes 24 seconds

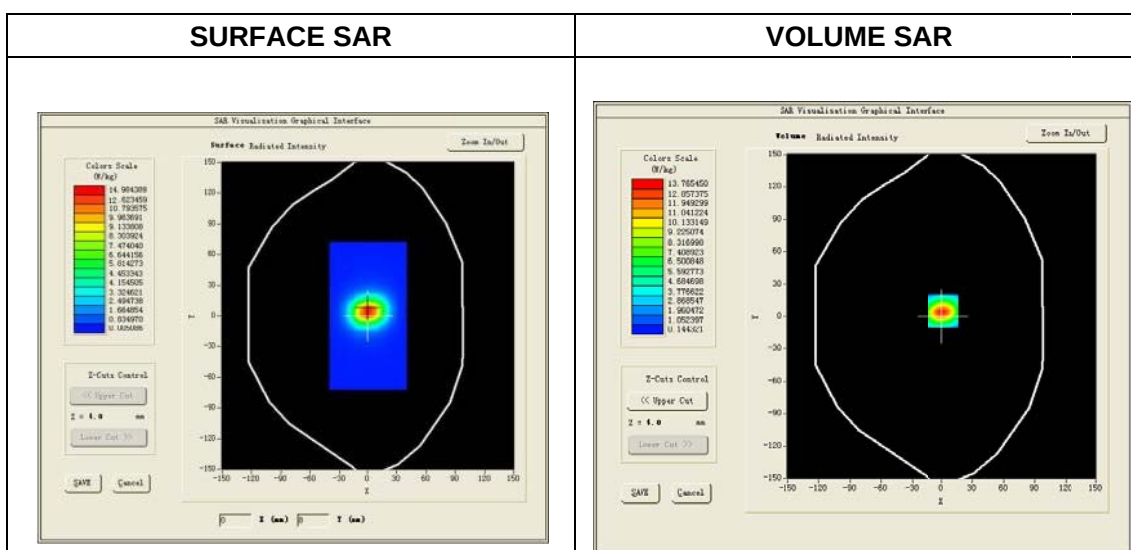
A. Experimental conditions.

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_04/13_EP166
Frequency (MHz)	2600
Relative permittivity (real part)	52.56
Relative permittivity	14.88
Conductivity (S/m)	2.15
Power drift (%)	1.47
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	5.22



Maximum location: X=1.00, Y=4.00

SAR 10g (W/Kg)	5.987241
SAR 1g (W/Kg)	14.032842

Plot 1: GSM850, Left Cheek, High

Type: Phone measurement

Date of measurement: 23/12/2015

Measurement duration: 6 minutes 03 seconds

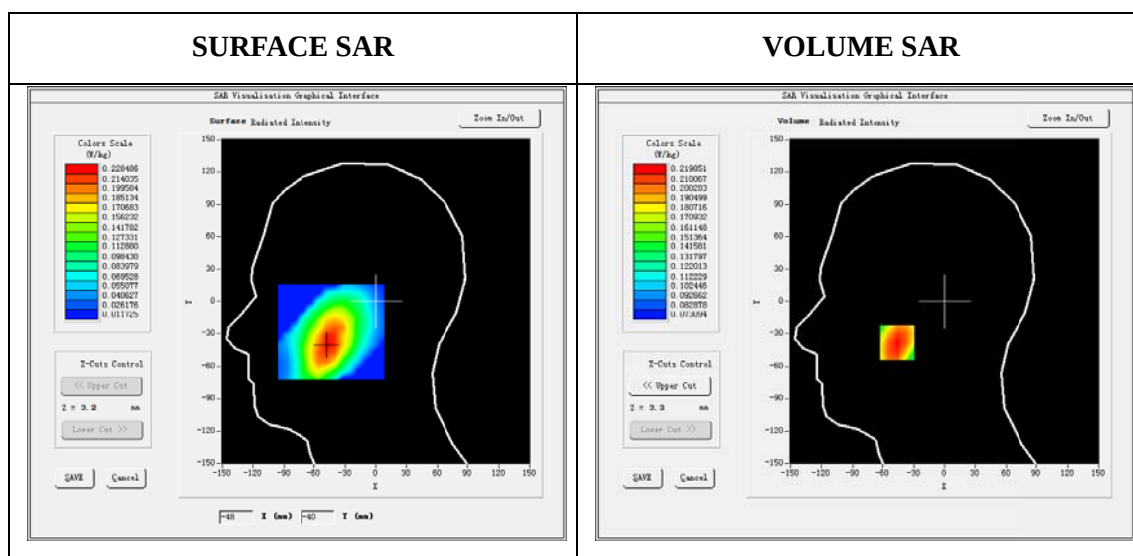
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	GSM850
Channels	251
Signal	GSM (Duty cycle: 1:8)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	848.8
Relative permittivity (real part)	41.36
Relative permittivity (imaginary part)	18.97
Conductivity (S/m)	0.88
Variation (%)	4.80
ConvF:	5.69



Maximum location: X=-46.00, Y=-38.00
SAR Peak: 0.26 W/kg

SAR 10g (W/Kg)	0.174218
SAR 1g (W/Kg)	0.213803

Plot 2: GSM850, Back, High

Type: Phone measurement

Date of measurement: 27/12/2015

Measurement duration: 7 minutes 13 seconds

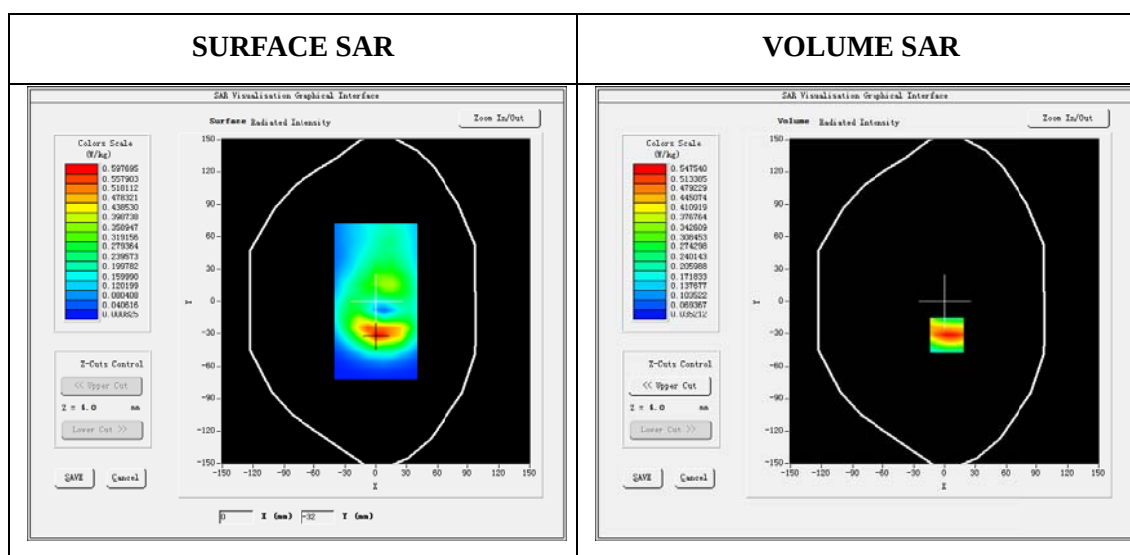
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	GSM850
Channels	251
Signal	GSM(Duty cycle: 1:8)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	848.8
Relative permittivity (real part)	55.32
Relative permittivity (imaginary part)	20.12
Conductivity (S/m)	0.95
Variation (%)	-0.07
ConvF:	5.82



Maximum location: X=2.00, Y=31.00

SAR Peak: 0.66 W/kg

SAR 10g (W/Kg)	0.337011
SAR 1g (W/Kg)	0.515463

Plot 3: GPRS850, Back, Mid

Type: Phone measurement

Date of measurement: 27/12/2015

Measurement duration: 7 minutes 13 seconds

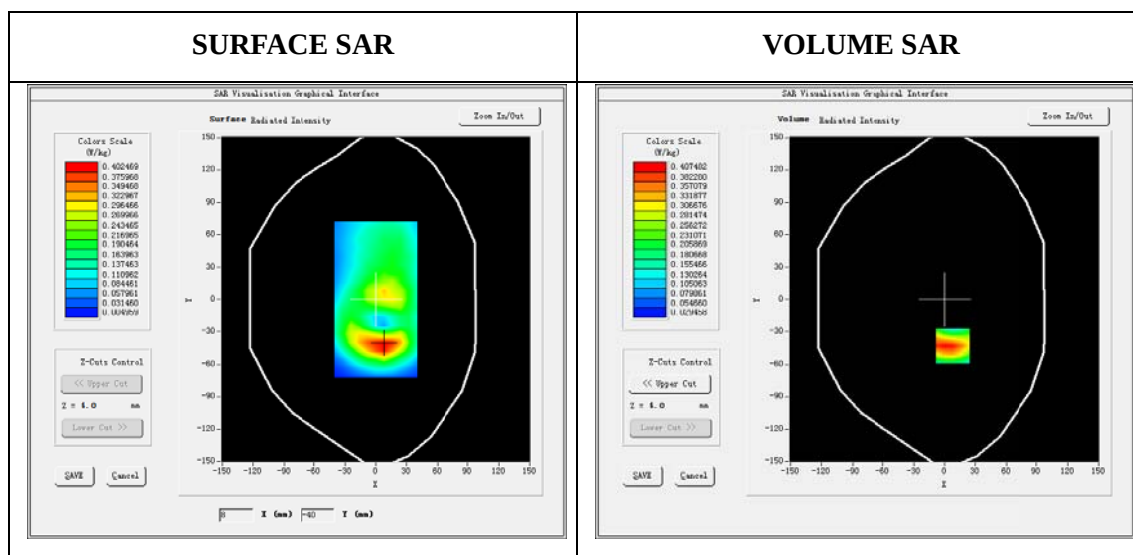
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	GSPRS850_3Tx
Channels	190
Signal	GPRS(Duty cycle: 1:2.66)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	836.6
Relative permittivity (real part)	55.32
Relative permittivity (imaginary part)	20.12
Conductivity (S/m)	0.95
Variation (%)	-0.14
ConvF:	5.82



Maximum location: X=8.00, Y=-43.00

SAR Peak: 0.52 W/kg

SAR 10g (W/Kg)	0.246271
SAR 1g (W/Kg)	0.384639

Plot 4: GSM1900, Left Cheek, Low

Type: Phone measurement

Date of measurement: 24/12/2015

Measurement duration: 6 minutes 25 seconds

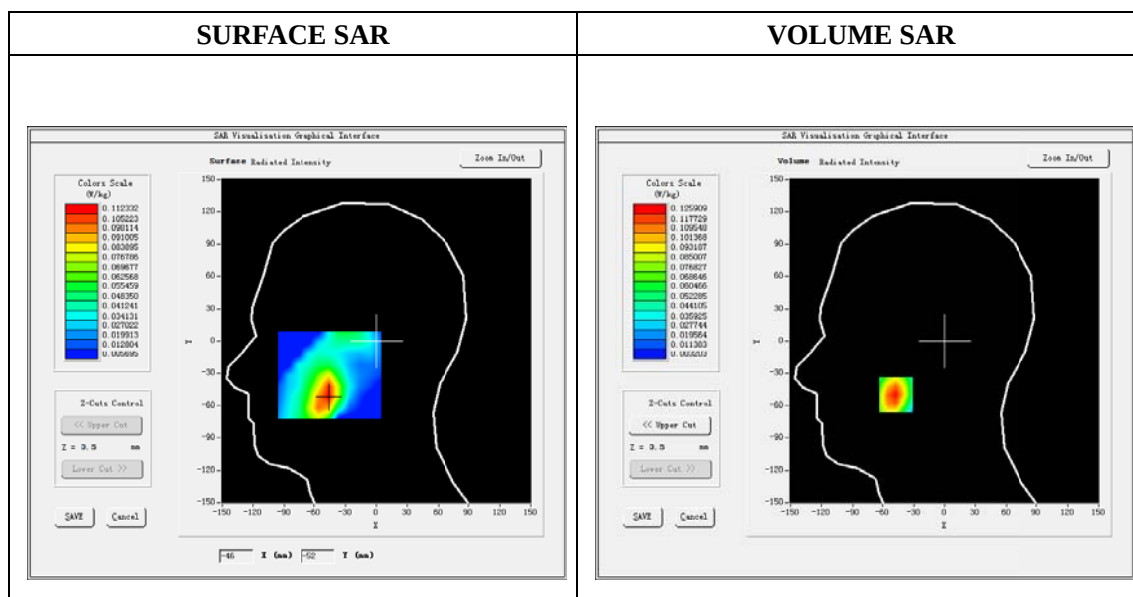
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	GSM1900
Channels	512
Signal	GSM (Duty cycle: 1:8)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	1850.2
Relative permittivity (real part)	39.85
Relative permittivity (imaginary part)	13.17
Conductivity (S/m)	1.39
Variation (%)	-0.21
ConvF:	5.25



Maximum location: X=-47.00, Y=-50.00

SAR Peak: 0.18 W/kg

SAR 10g (W/Kg)	0.071020
SAR 1g (W/Kg)	0.122926

Plot 5: GSM1900, Back, Low

Type: Phone measurement

Date of measurement: 28/12/2015

Measurement duration: 6 minutes 21 seconds

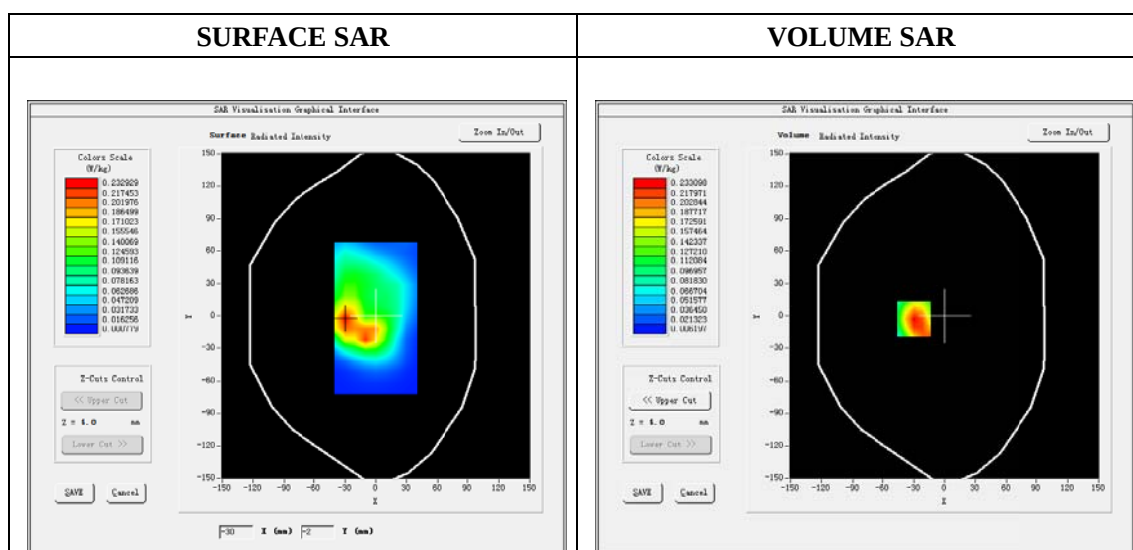
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	GSM1900
Channels	512
Signal	GSM (Duty cycle: 1:8)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	1850.2
Relative permittivity (real part)	53.14
Relative permittivity (imaginary part)	14.40
Conductivity (S/m)	1.52
Variation (%)	-2.42
ConvF:	5.43



Maximum location: X=-30.00, Y=-3.00

SAR Peak: 0.38 W/kg

SAR 10g (W/Kg)	0.124110
SAR 1g (W/Kg)	0.230557

Plot 6: GPRS1900, Back, Low

Type: Phone measurement

Date of measurement: 28/12/2015

Measurement duration: 6 minutes 21 seconds

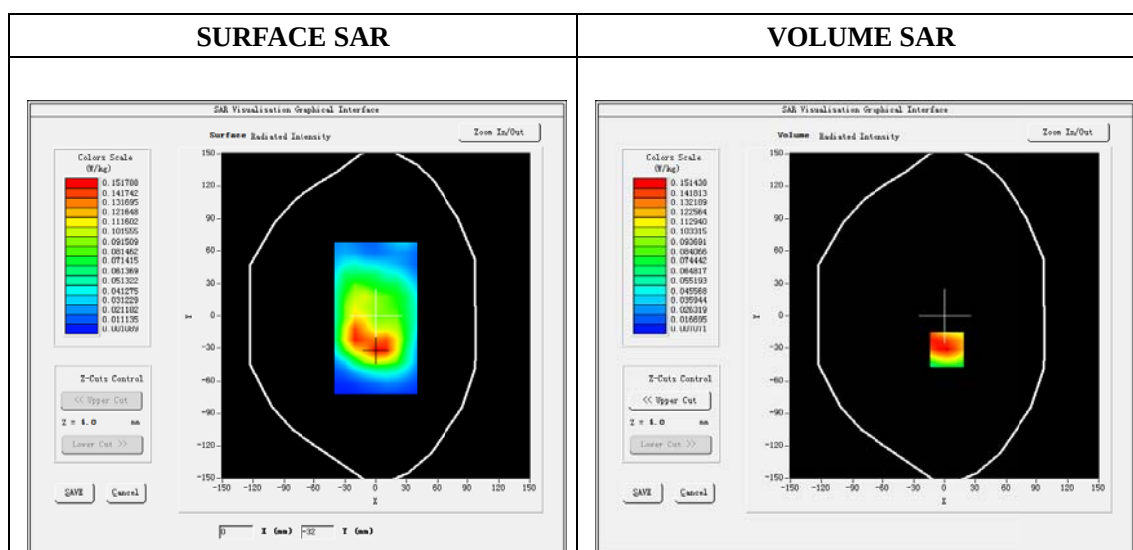
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	GPRS1900
Channels	512
Signal	GPRS (Duty cycle: 1:2.67)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	1850.2
Relative permittivity (real part)	53.14
Relative permittivity (imaginary part)	14.40
Conductivity (S/m)	1.52
Variation (%)	0.77
ConvF:	5.43



Maximum location: X=2.00, Y=-31.00

SAR Peak: 0.22 W/kg

SAR 10g (W/Kg)	0.087278
SAR 1g (W/Kg)	0.145322

Plot 7: WCDMA1900, Right Cheek, Low

Type: Phone measurement

Date of measurement: 24/12/2015

Measurement duration: 7 minutes 01 seconds

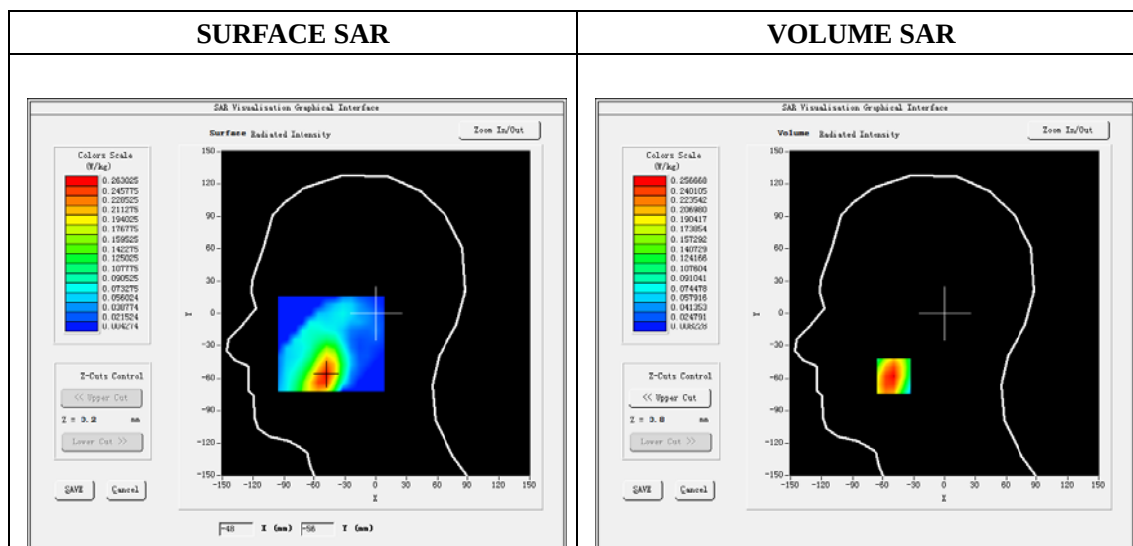
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right head
Band	Cheek
Channels	9262
Signal	WCDMA (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	1852.4
Relative permittivity (real part)	39.85
Relative permittivity (imaginary)	13.17
Conductivity (S/m)	1.39
Variation (%)	0.66
ConvF:	5.25



Maximum location: X=-49.00, Y=-58.00

SAR Peak: 0.37 W/kg

SAR 10g (W/Kg)	0.149626
SAR 1g (W/Kg)	0.245447

Plot 8: WCDMA1900, Back(Body-worn, hotspot), Low

Type: Phone measurement

Date of measurement: 28/12/2015

Measurement duration: 7 minutes 22 seconds

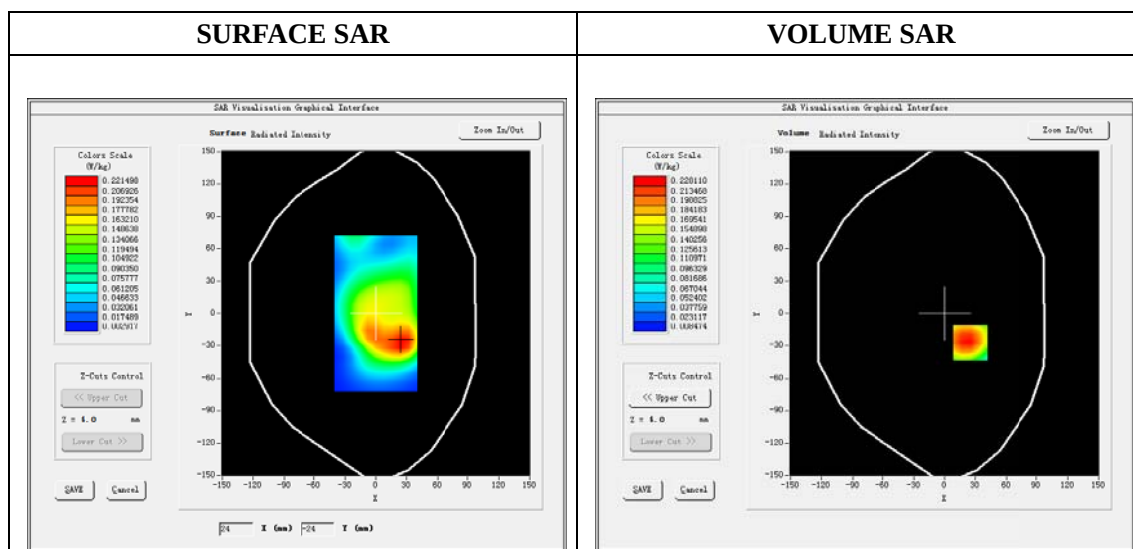
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	Band2_WCDMA1900
Channels	9262
Signal	WCDMA (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	1852.4
Relative permittivity (real part)	53.14
Relative permittivity (imaginary)	14.40
Conductivity (S/m)	1.52
Variation (%)	-0.49
ConvF:	5.43



Maximum location: X=25.00, Y=-27.00

SAR Peak: 0.39 W/kg

SAR 10g (W/Kg)	0.160589
SAR 1g (W/Kg)	0.344242

Plot 9: WCDMA1700, Right Cheek, Low

Type: Phone measurement

Date of measurement: 24/12/2015

Measurement duration: 7 minutes 04 seconds

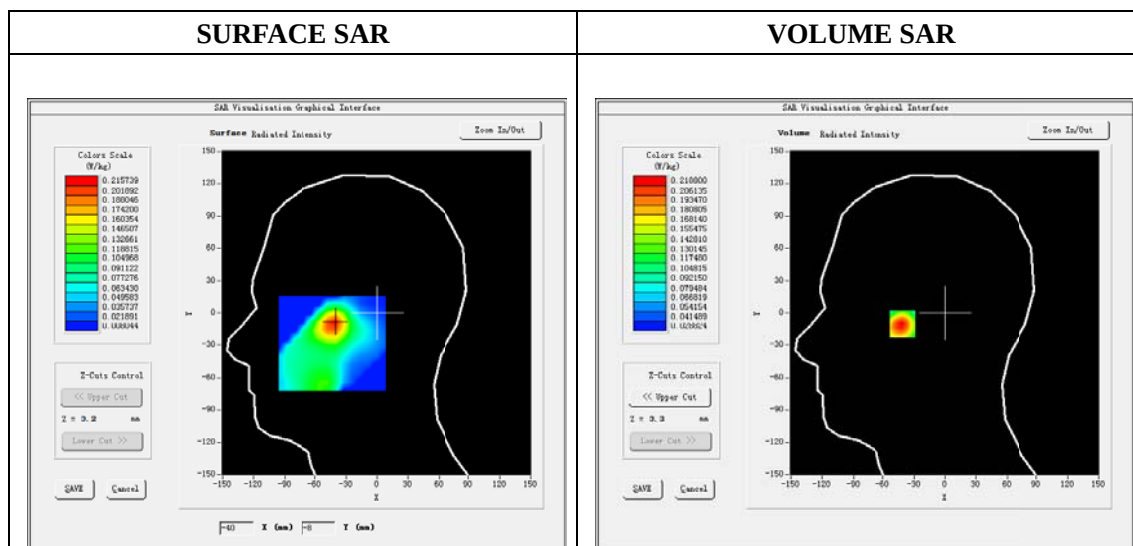
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right head
Band	Cheek
Channels	1312
Signal	WCDMA (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	1712.4
Relative permittivity (real part)	39.75
Relative permittivity (imaginary)	13.90
Conductivity (S/m)	1.39
Variation (%)	-3.57
ConvF:	4.75



Maximum location: X=-41.00, Y=-9.00

SAR Peak: 0.30 W/kg

SAR 10g (W/Kg)	0.127989
SAR 1g (W/Kg)	0.205135

Plot 10: WCDMA1700, Back Upward, Low

Type: Phone measurement

Date of measurement: 28/12/2015

Measurement duration: 7 minutes 04 seconds

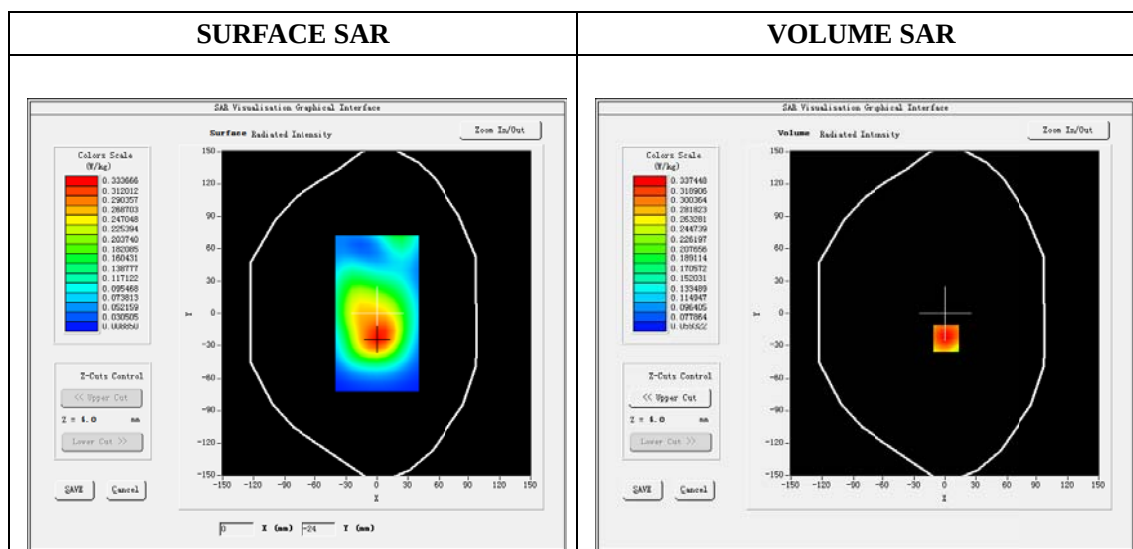
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	Band2_WCDMA1700
Channels	1312
Signal	WCDMA (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	1712.4
Relative permittivity (real part)	53.37
Relative permittivity (imaginary)	15.00
Conductivity (S/m)	1.50
Variation (%)	-0.43
ConvF:	4.96



Maximum location: X=1.00, Y=-23.00

SAR Peak: 0.49 W/kg

SAR 10g (W/Kg)	0.206196
SAR 1g (W/Kg)	0.323562

Plot 11: WCDMA1700, Edge C, Low

Type: Phone measurement

Date of measurement: 28/12/2015

Measurement duration: 7 minutes 14 seconds

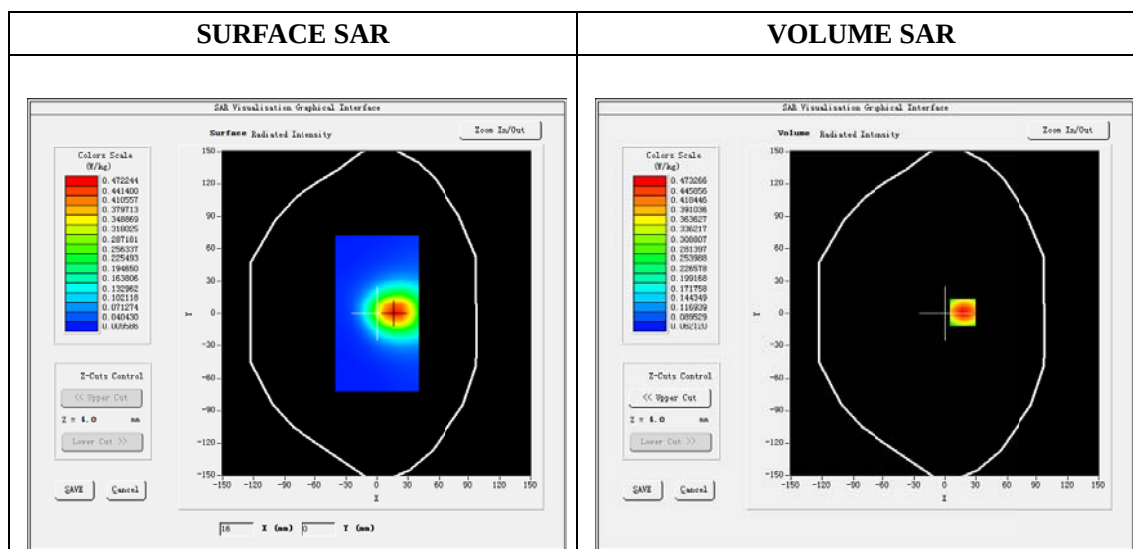
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Edge C
Band	Band2_WCDMA1700
Channels	1312
Signal	WCDMA (Duty cycle: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	1712.4
Relative permittivity (real part)	53.37
Relative permittivity (imaginary)	15.00
Conductivity (S/m)	1.50
Variation (%)	-0.52
ConvF:	4.96



Maximum location: X=17.00, Y=1.00

SAR Peak: 0.68 W/kg

SAR 10g (W/Kg)	0.264943
SAR 1g (W/Kg)	0.442411

Plot 12: WCDMA850, Right Cheek, Mid

Type: Phone measurement

Date of measurement: 23/12/2015

Measurement duration: 6 minutes 28 seconds

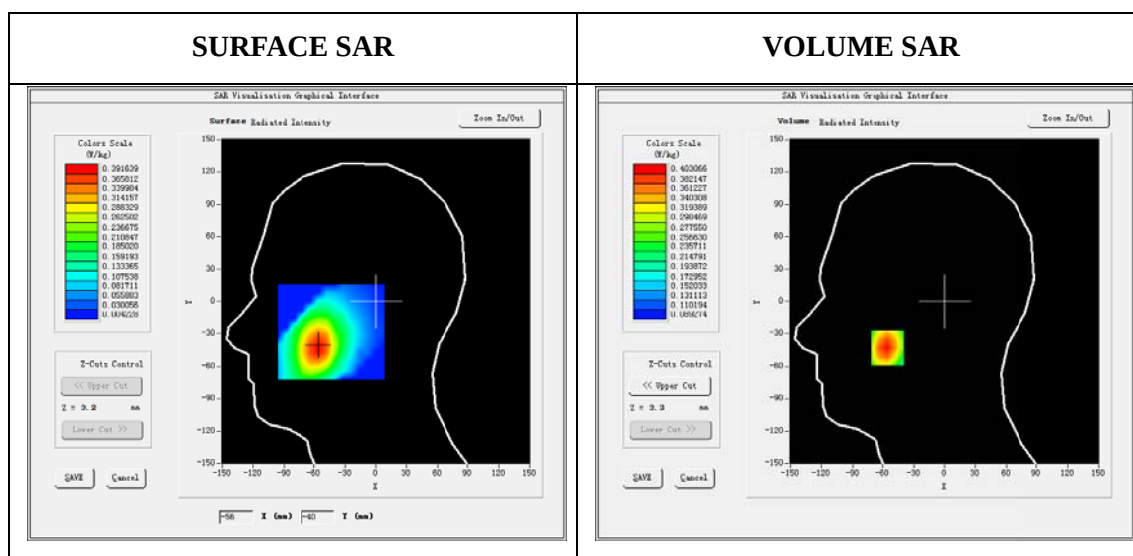
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	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_04/13_EP166
Frequency (MHz)	836.6
Relative permittivity (real part)	41.36
Relative permittivity (imaginary part)	18.97
Conductivity (S/m)	0.88
Variation (%)	-1.45
ConvF:	5.69



Maximum location: X=-56.00, Y=-43.00

SAR Peak: 0.46 W/kg

SAR 10g (W/Kg)	0.297597
SAR 1g (W/Kg)	0.387852

Plot 13: WCDMA850, Back Upward(Body-worn, hotspot), Mid

Type: Phone measurement

Date of measurement:27/12/2015

Measurement duration: 7 minutes 09 seconds

Mobile Phone IMEI number: --

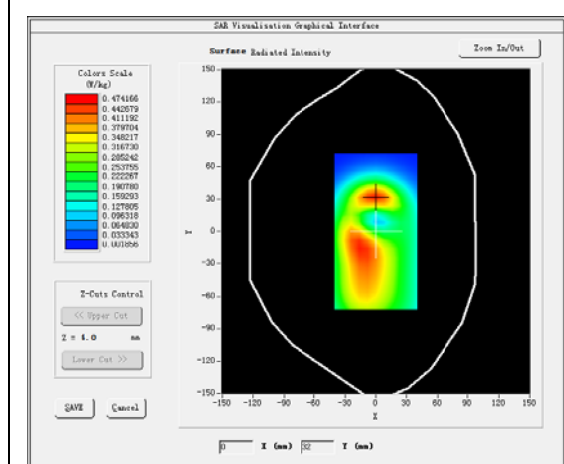
A. Experimental conditions.

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

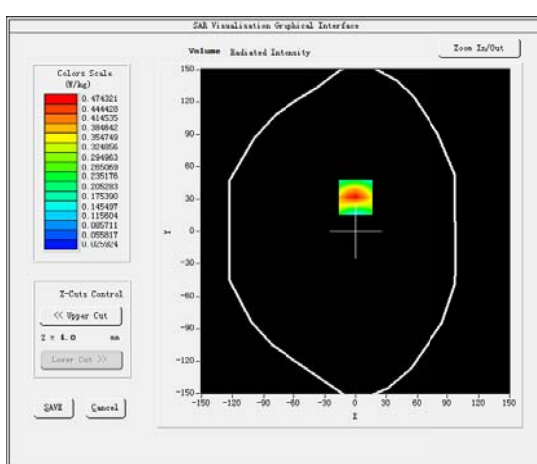
B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	836.6
Relative permittivity (real part)	55.32
Relative permittivity (imaginary part)	20.12
Conductivity (S/m)	0.95
Variation (%)	-0.11
ConvF:	5.82

SURFACE SAR



VOLUME SAR



Maximum location: X=0.00, Y=32.00

SAR Peak: 0.67 W/kg

SAR 10g (W/Kg)	0.260704
SAR 1g (W/Kg)	0.443055

Plot 14: LTE Band 2,20MHz, Right Cheek, High

Type: Phone measurement

Date of measurement: 24/12/2015

Measurement duration: 7 minutes 02 seconds

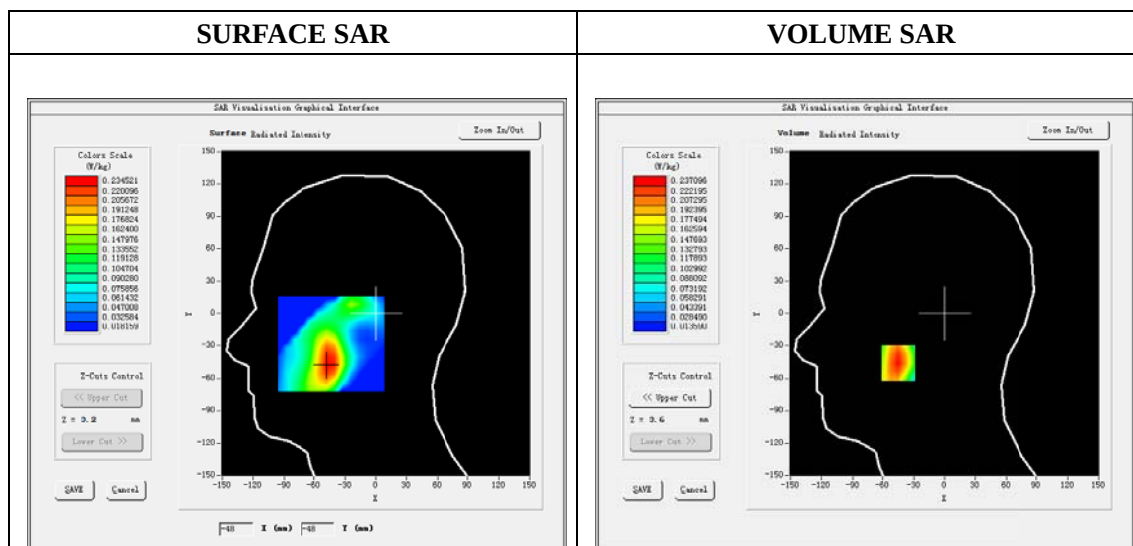
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Cheek
Band	LTE Band2
Channels	19100
Signal	Duty cycle: 1:1

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	1900
Relative permittivity (real part)	39.85
Relative permittivity (imaginary)	13.17
Conductivity (S/m)	1.39
Variation (%)	0.43
ConvF:	5.25



Maximum location: X=-45.00, Y=-46.00

SAR Peak: 0.32W/kg

SAR 10g (W/Kg)	0.143036
SAR 1g (W/Kg)	0.224125

Plot 15: LTE Band2, 20MHz, Back upward , High

Type: Phone measurement

Date of measurement: 28/12/2015

Measurement duration: 7 minutes 07 seconds

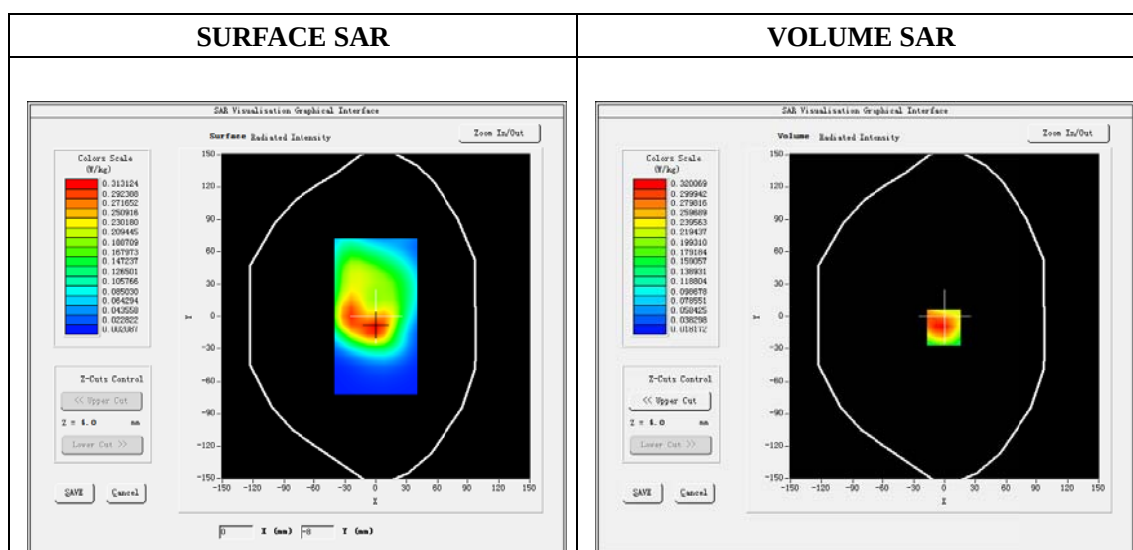
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back
Band	LTE Band2
Channels	19100
Signal	Duty cycle: 1:1

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	1990
Relative permittivity (real part)	53.14
Relative permittivity (imaginary)	14.40
Conductivity (S/m)	1.52
Variation (%)	-0.39
ConvF:	5.43



Maximum location: X=-1.00, Y=10.00

SAR Peak: 0.48 W/kg

SAR 10g (W/Kg)	0.178651
SAR 1g (W/Kg)	0.305638

Plot 16: LTE Band2, 20MHz, Edge C , High

Type: Phone measurement

Date of measurement: 28/12/2015

Measurement duration: 7 minutes 22 seconds

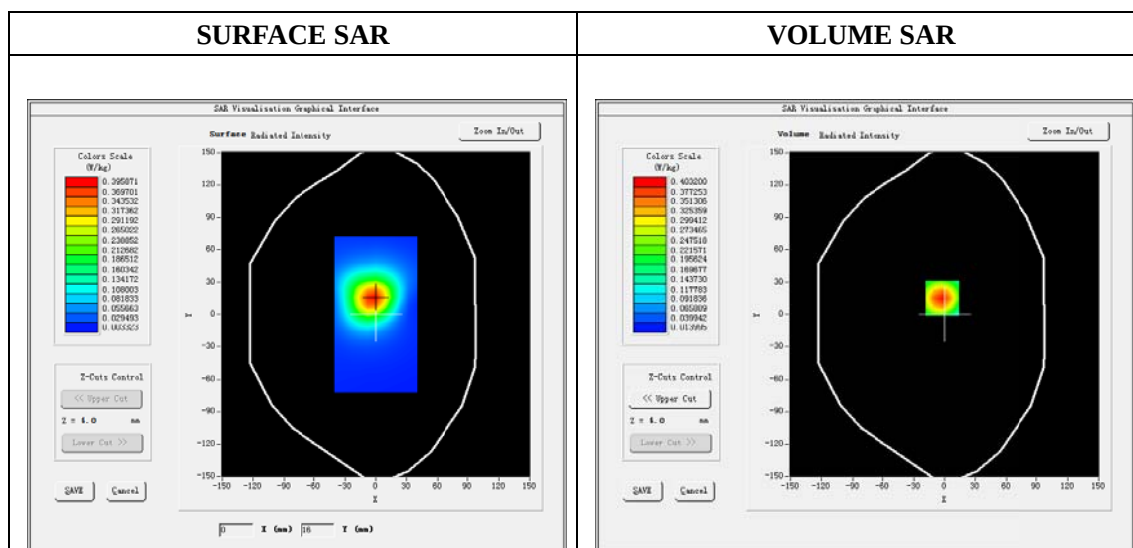
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Edge C
Band	LTE Band2
Channels	19100
Signal	Duty cycle: 1:1

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	1990
Relative permittivity (real part)	53.14
Relative permittivity (imaginary)	14.40
Conductivity (S/m)	1.52
Variation (%)	0.07
ConvF:	5.43



Maximum location: X=-2.00, Y=15.00

SAR Peak: 0.62 W/kg

SAR 10g (W/Kg)	0.209108
SAR 1g (W/Kg)	0.377679

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

Type: Phone measurement

Date of measurement: 24/12/2015

Measurement duration: 7 minutes 16 seconds

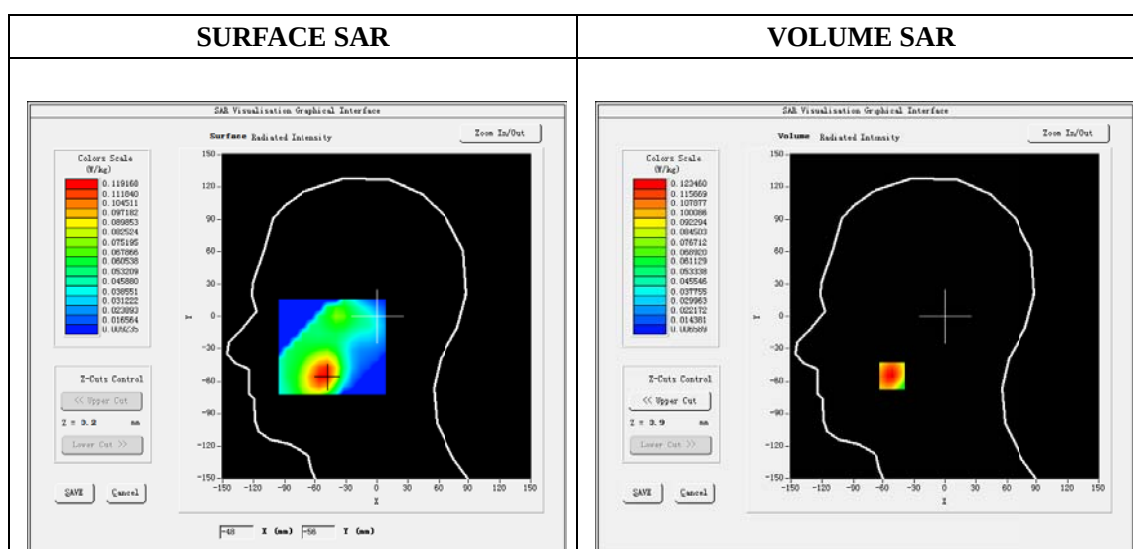
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	1732.5
Relative permittivity (real part)	39.75
Relative permittivity (imaginary)	13.90
Conductivity (S/m)	1.39
Variation (%)	-1.50
ConvF:	4.75



Maximum location: X=-51.00, Y=-55.00

SAR 10g (W/Kg)	0.063614
SAR 1g (W/Kg)	0.117090

Plot 18: LTE Band4, 20MHz, Back Upward, Middle

Type: Phone measurement

Date of measurement: 27/12/2015

Measurement duration: 7 minutes 17 seconds

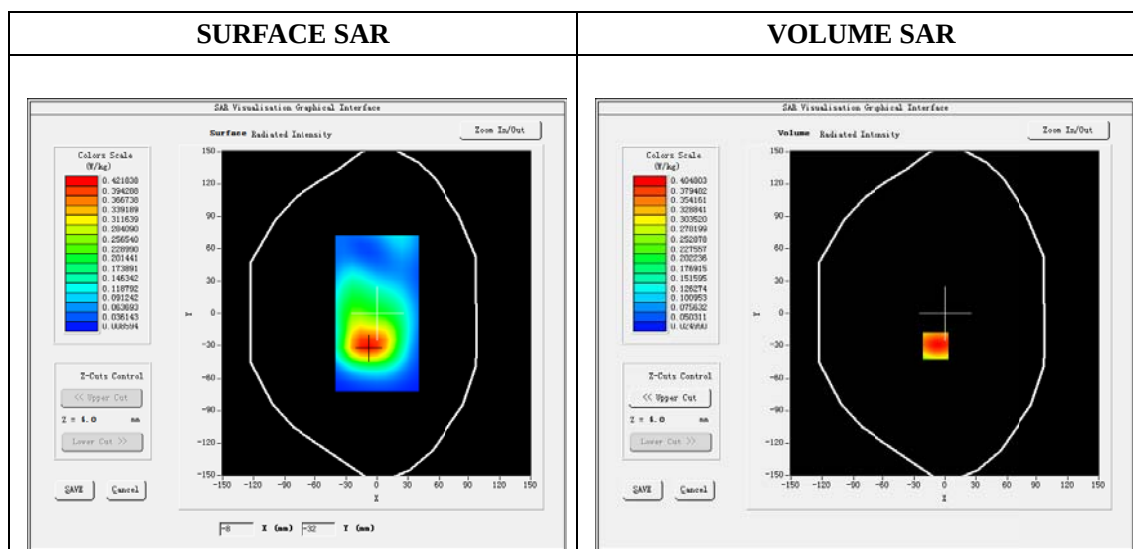
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	1732.5
Relative permittivity (real part)	53.37
Relative permittivity (imaginary)	15.00
Conductivity (S/m)	1.50
Variation (%)	-4.30
ConvF:	4.96



Maximum location: X=-9.00, Y=-30.00

SAR Peak: 0.74 W/kg

SAR 10g (W/Kg)	0.205573
SAR 1g (W/Kg)	0.390259

Plot 19: LTE Band4, 20MHz, Edge C, Middle

Type: Phone measurement

Date of measurement: 28/12/2015

Measurement duration: 7 minutes22seconds

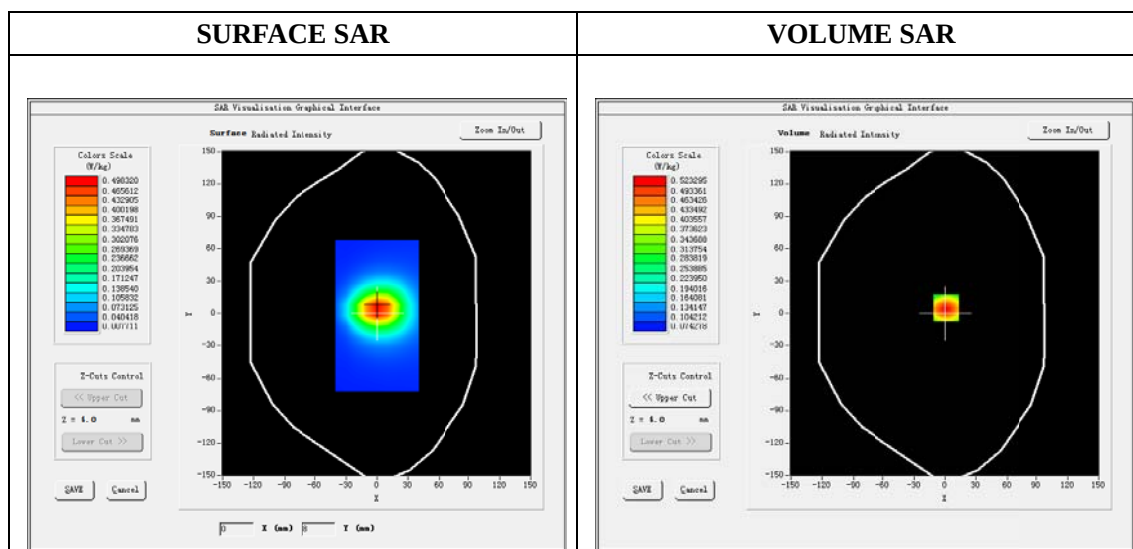
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	1732.5
Relative permittivity (real part)	53.37
Relative permittivity (imaginary)	15.00
Conductivity (S/m)	1.50
Variation (%)	0.13
ConvF:	4.96



Maximum location: X=1.00, Y=5.00

SAR Peak: 0.77 W/kg

SAR 10g (W/Kg)	0.297011
SAR 1g (W/Kg)	0.490000

Plot 20: LTE Band 7, 20MHz, Right Cheek, Middle

Type: Phone measurement

Date of measurement: 26/12/2015

Measurement duration: 6 minutes 21 seconds

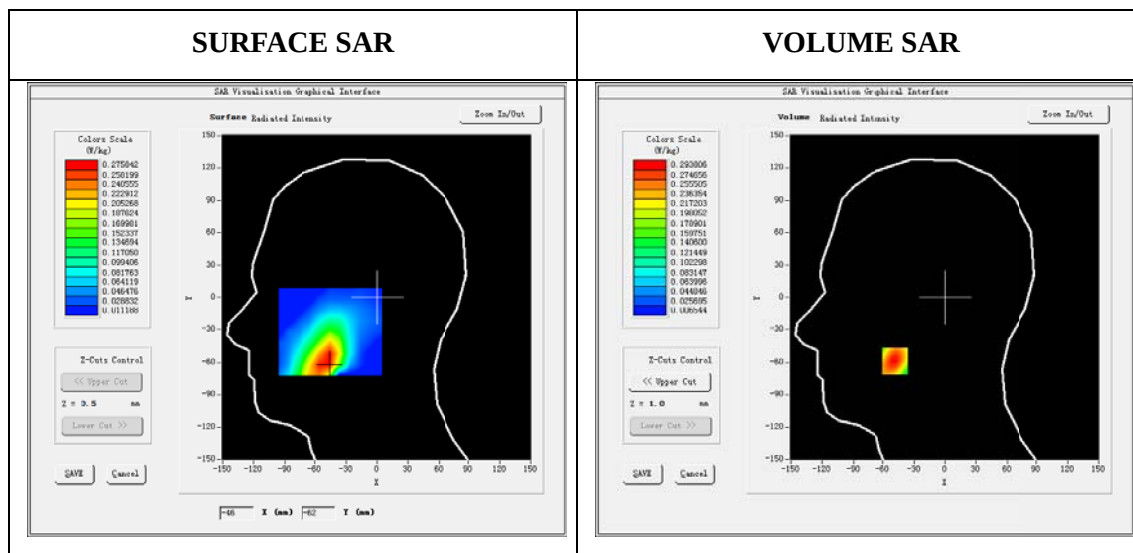
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	2535
Relative permittivity (real part)	38.89
Relative permittivity (imaginary part)	13.36
Conductivity (S/m)	1.93
Variation (%)	-0.46
ConvF:	5.08



Maximum location: X=-48.00, Y=-59.00

SAR Peak: 0.65 W/kg

SAR 10g (W/Kg)	0.134437
SAR 1g (W/Kg)	0.286273

Plot 21: LTE Band 7, 20MHz, Face, Middle

Type: Phone measurement

Date of measurement:29/12/2015

Measurement duration: 7 minutes 12 seconds

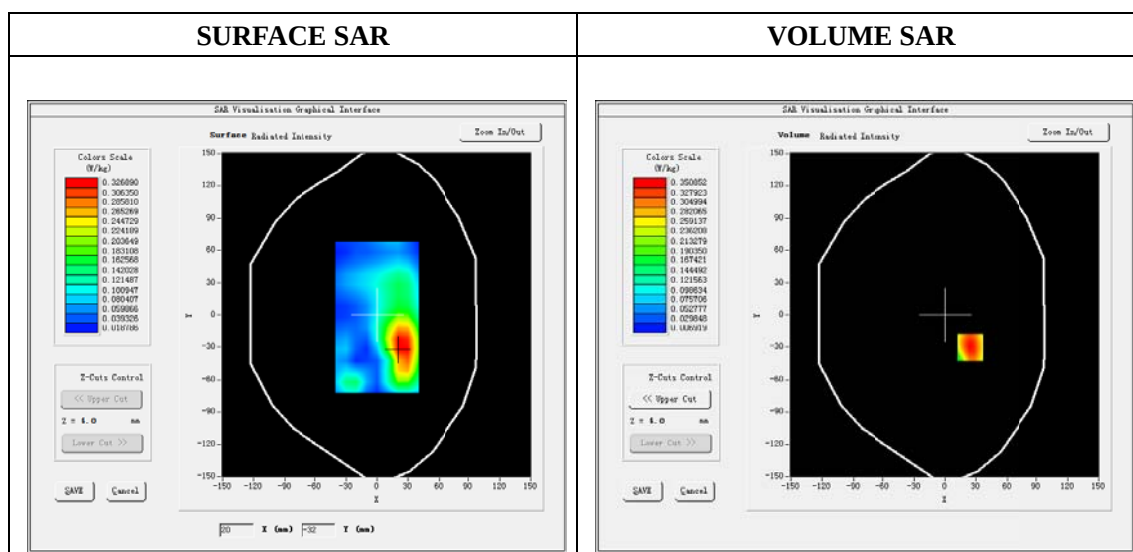
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	2535
Relative permittivity (real part)	52.56
Relative permittivity (imaginary part)	14.88
Conductivity (S/m)	2.15
Variation (%)	-1.55
ConvF:	5.22



Maximum location: X=24.00, Y=-30.00

SAR Peak: 0.76 W/kg

SAR 10g (W/Kg)	0.160455
SAR 1g (W/Kg)	0.341828

Plot 22: LTE Band 7, 20MHz, Edge C, Middle

Type: Phone measurement

Date of measurement:29/12/2015

Measurement duration: 7 minutes 10 seconds

Mobile Phone IMEI number: --

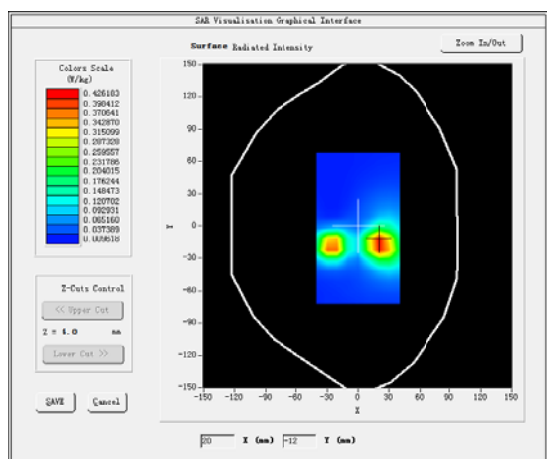
A. Experimental conditions.

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

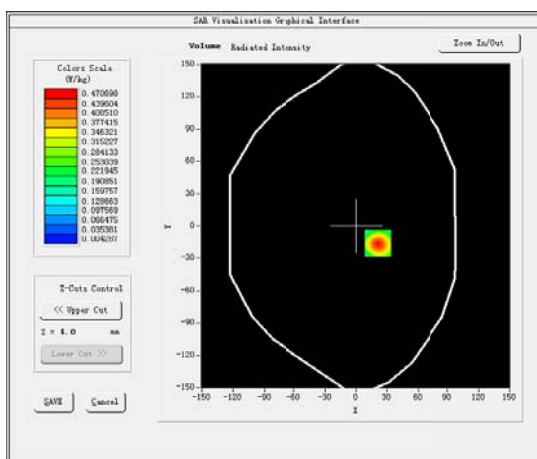
B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	2535
Relative permittivity (real part)	52.56
Relative permittivity (imaginary part)	14.88
Conductivity (S/m)	2.15
Variation (%)	0.58
ConvF:	5.22

SURFACE SAR



VOLUME SAR



Maximum location: X=21.00, Y=-16.00

SAR Peak: 1.06 W/kg

SAR 10g (W/Kg)	0.182835
SAR 1g (W/Kg)	0.444809

Plot 23: LTE Band 17, 10MHz, Right Cheek, Middle

Type: Phone measurement

Date of measurement: 23/12/2015

Measurement duration: 6 minutes 11 seconds

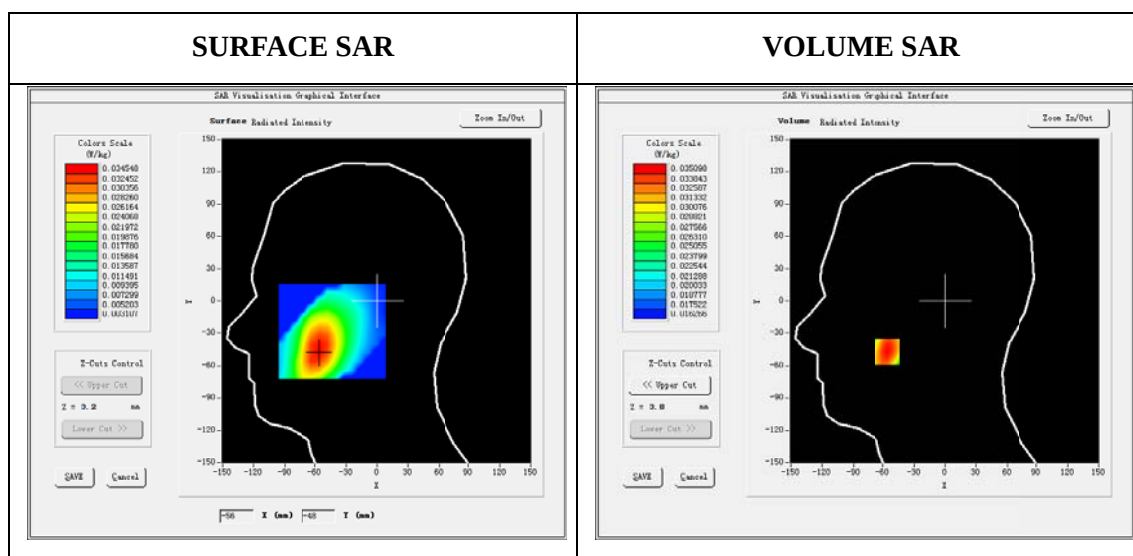
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_09/13_EP169
Frequency (MHz)	710
Relative permittivity (real part)	41.71
Relative permittivity (imaginary part)	21.12
Conductivity (S/m)	0.88
Variation (%)	-4.03
ConvF:	5.26



Maximum location: X=-56.00, Y=-47.00

SAR 10g (W/Kg)	0.028670
SAR 1g (W/Kg)	0.036390

Plot 24: LTE Band 17, 10MHz, Back Upward, Middle

Type: Phone measurement

Date of measurement: 27/12/2015

Measurement duration: 7 minutes 16 seconds

Mobile Phone IMEI number: --

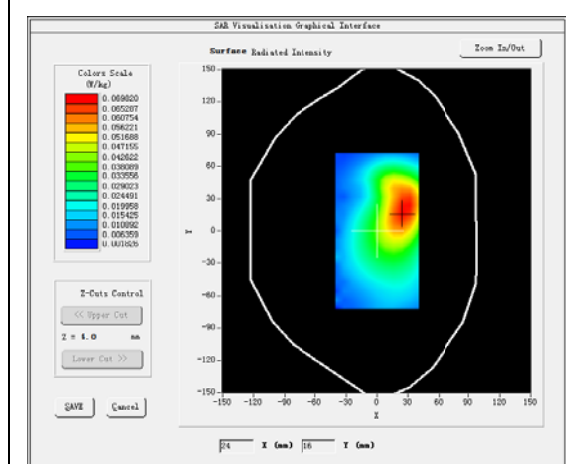
A. Experimental conditions.

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)

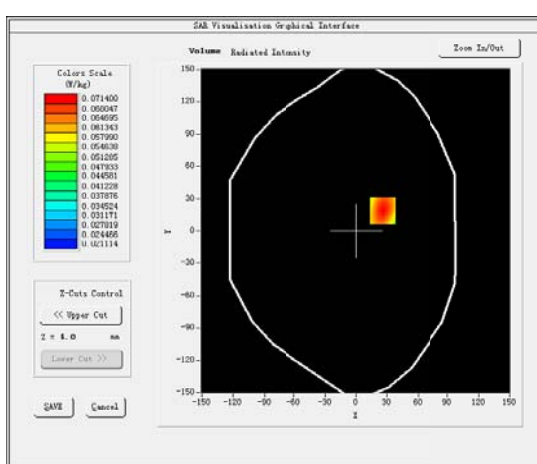
B. SAR Measurement Results

E-Field Probe	SATIMO SN_09/13_EP169
Frequency (MHz)	710
Relative permittivity (real part)	55.01
Relative permittivity (imaginary part)	22.80
Conductivity (S/m)	0.95
Variation (%)	-3.51
ConvF:	5.41

SURFACE SAR



VOLUME SAR



Maximum location: X=26.00, Y=19.00

SAR 10g (W/Kg)	0.049388
SAR 1g (W/Kg)	0.069550

Plot 25: LTE Band 17, 10MHz, Edge B, Middle

Type: Phone measurement

Date of measurement: 27/12/2015

Measurement duration: 7 minutes 01 seconds

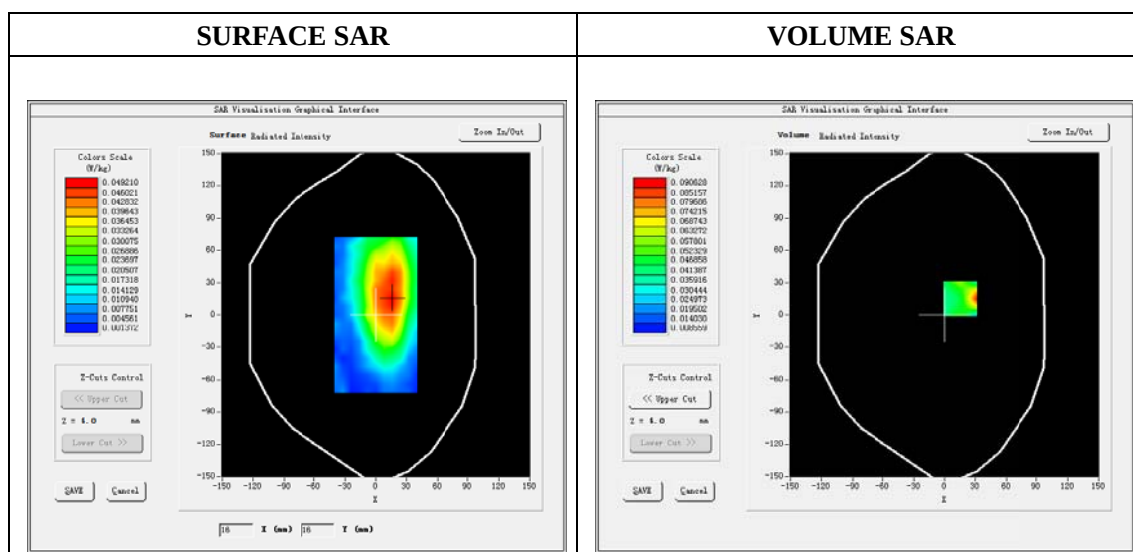
Mobile Phone IMEI number: --

A. Experimental conditions.

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

B. SAR Measurement Results

E-Field Probe	SATIMO SN_09/13_EP169
Frequency (MHz)	710
Relative permittivity (real part)	55.01
Relative permittivity (imaginary part)	22.80
Conductivity (S/m)	0.95
Variation (%)	0.80
ConvF:	5.41



Maximum location: X=15.00, Y=15.00

SAR 10g (W/Kg)	0.058759
SAR 1g (W/Kg)	0.079419

Plot 26: Wi-Fi 802.11b ,Right Tilt, Mid

Type: Phone measurement (11 points in the volume)

Date of measurement: 26/12/2015

Measurement duration: 7 minutes 10 seconds

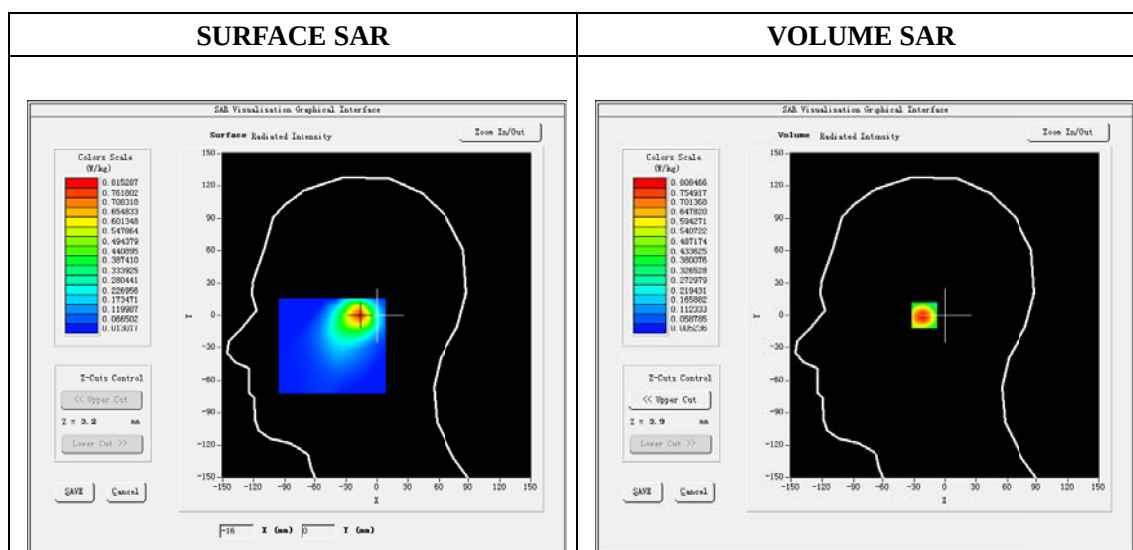
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	7x7x8,dx=5mm dy=5mm dz=4mm
Phantom	Right head
Device Position	Tilt
Band	IEEE 802.11b ISM
Channels	6
Signal	DSSS (Crest factor: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	2437
Relative permittivity (real part)	38.94
Relative permittivity (imaginary part)	13.15
Conductivity (S/m)	1.79
Variation (%)	0.62
ConvF:	4.93



Maximum location: X=-17.00, Y=0.00

SAR Peak: 1.82 W/kg

SAR 10g (W/Kg)	0.316531
SAR 1g (W/Kg)	0.745354

Plot 27: Wi-Fi 802.11b , Back Upward(Body-worn, hotspot), Mid

Type: Phone measurement

Date of measurement: 29/12/2015

Measurement duration: 07 minutes 01 seconds

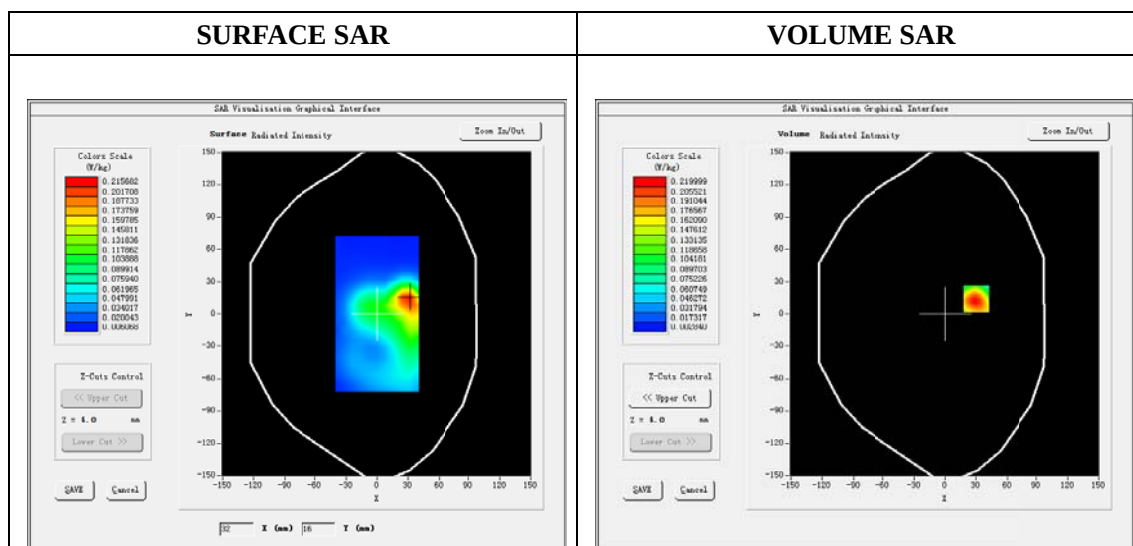
Mobile Phone IMEI number: --

A. Experimental conditions.

Area Scan	dx=8mm dy=8mm
ZoomScan	7x7x8,dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Back
Band	IEEE 802.11b
Channels	6
Signal	DSSS (Crest factor: 1:1)

B. SAR Measurement Results

E-Field Probe	SATIMO SN_04/13_EP166
Frequency (MHz)	2437
Relative permittivity (real part)	52.53
Relative permittivity (imaginary part)	14.25
Conductivity (S/m)	1.94
Variation (%)	0.20
ConvF:	5.09



Maximum location: X=30.00, Y=14.00

SAR Peak: 0.52 W/kg

SAR 10g (W/Kg)	0.094490
SAR 1g (W/Kg)	0.214894