

## Annex B Graph Test Results

BAND	PARAMETERS
<u>GSM850</u>	<u>Measurement 1:</u> Right Head with Cheek device position on Low Channel in GSM mode <u>Measurement 2:</u> Right Head with Tilt device position on Low Channel in GSM mode <u>Measurement 3:</u> Left Head with Cheek device position on Low Channel in GSM mode <u>Measurement 4:</u> Left Head with Tilt device position on Low Channel in GSM mode <u>Measurement 5:</u> Flat Plane with Body device position on Low Channel in GSM mode <u>Measurement 6:</u> Flat Plane with Body device position on Low Channel in GSM mode <u>Measurement 7:</u> Flat Plane with Body device position on Middle Channel in GPRS mode (3 up) <u>Measurement 8:</u> Flat Plane with Body device position on Middle Channel in GPRS mode (3 up) <u>Measurement 9:</u> Flat Plane with Body device position on Middle Channel in GPRS mode (3 up) <u>Measurement 10:</u> Flat Plane with Body device position on Middle Channel in GPRS mode (3 up) <u>Measurement 11:</u> Flat Plane with Body device position on Middle Channel in GPRS mode (3 up) <u>Measurement 12:</u> Flat Plane with Body device position on Middle Channel in EDGE mode (3 up)
<u>GSM1900</u>	<u>Measurement 13:</u> Right Head with Cheek device position on High Channel in GSM mode <u>Measurement 14:</u> Right Head with Tilt device position on High Channel in GSM mode <u>Measurement 15:</u> Left Head with Cheek device position on High Channel in GSM mode <u>Measurement 16:</u> Left Head with Tilt device position on High Channel in GSM mode <u>Measurement 17:</u> Flat Plane with Body device position High Channel in GSM mode <u>Measurement 18:</u> Flat Plane with Body device position on High Channel in GSM mode <u>Measurement 19:</u> Flat Plane with Body device position on High Channel in GPRS mode (2 up) <u>Measurement 20:</u> Flat Plane with Body device position on High Channel in GPRS mode (2 up)

	<p><u>Measurement 21:</u> Flat Plane with Body device position on High Channel in GPRS mode (2 up)</p> <p><u>Measurement 22:</u> Flat Plane with Body device position on High Channel in GPRS mode (2 up)</p> <p><u>Measurement 23:</u> Flat Plane with Body device position on High Channel in GPRS mode (2 up)</p> <p><u>Measurement 24:</u> Flat Plane with Body device position on High Channel in EDGE mode (4 up)</p>
<b><u>WCDMA</u></b> <b><u>850</u></b>	<p><u>Measurement 25:</u> Right Head with Cheek device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 26:</u> Right Head with Tilt device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 27:</u> Left Head with Cheek device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 28:</u> Left Head with Tilt device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 29:</u> Flat Plane with Body device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 30:</u> Flat Plane with Body device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 31:</u> Flat Plane with Body device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 32:</u> Flat Plane with Body device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 33:</u> Flat Plane with Body device position on Middle Channel in WCDMA mode</p>
<b><u>WCDMA</u></b> <b><u>1700</u></b>	<p><u>Measurement 34:</u> Right Head with Cheek device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 35:</u> Right Head with Tilt device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 36:</u> Left Head with Cheek device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 37:</u> Left Head with Tilt device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 38:</u> Flat Plane with Body device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 39:</u> Flat Plane with Body device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 40:</u> Flat Plane with Body device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 41:</u> Flat Plane with Body device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 42:</u> Flat Plane with Body device position on Middle Channel in WCDMA mode</p>

<b><u>WCDMA</u></b> <b><u>1900</u></b>	<p><u>Measurement 43:</u> Right Head with Cheek device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 44:</u> Right Head with Tilt device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 45:</u> Left Head with Cheek device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 46:</u> Left Head with Tilt device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 47:</u> Flat Plane with Body device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 48:</u> Flat Plane with Body device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 49:</u> Flat Plane with Body device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 50:</u> Flat Plane with Body device position on Middle Channel in WCDMA mode</p> <p><u>Measurement 51:</u> Flat Plane with Body device position on Middle Channel in WCDMA mode</p>
<b><u>802.11B</u></b>	<p><u>Measurement 52:</u> Right Head with Cheek device position on Middle Channel in DSSS mode</p> <p><u>Measurement 53:</u> Right Head with Tilt device position on Middle Channel in DSSS mode</p> <p><u>Measurement 54:</u> Left Head with Cheek device position on Middle Channel in DSSS mode</p> <p><u>Measurement 55:</u> Left Head with Tilt device position on Middle Channel in DSSS mode</p> <p><u>Measurement 56:</u> Flat Plane with Body device position on Middle Channel in DSSS mode</p> <p><u>Measurement 57:</u> Flat Plane with Body device position on Middle Channel in DSSS mode</p> <p><u>Measurement 58:</u> Flat Plane with Body device position on Middle Channel in DSSS mode</p> <p><u>Measurement 59:</u> Flat Plane with Body device position on Middle Channel in DSSS mode</p>

# MEASUREMENT 1

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 7 minutes 49 seconds

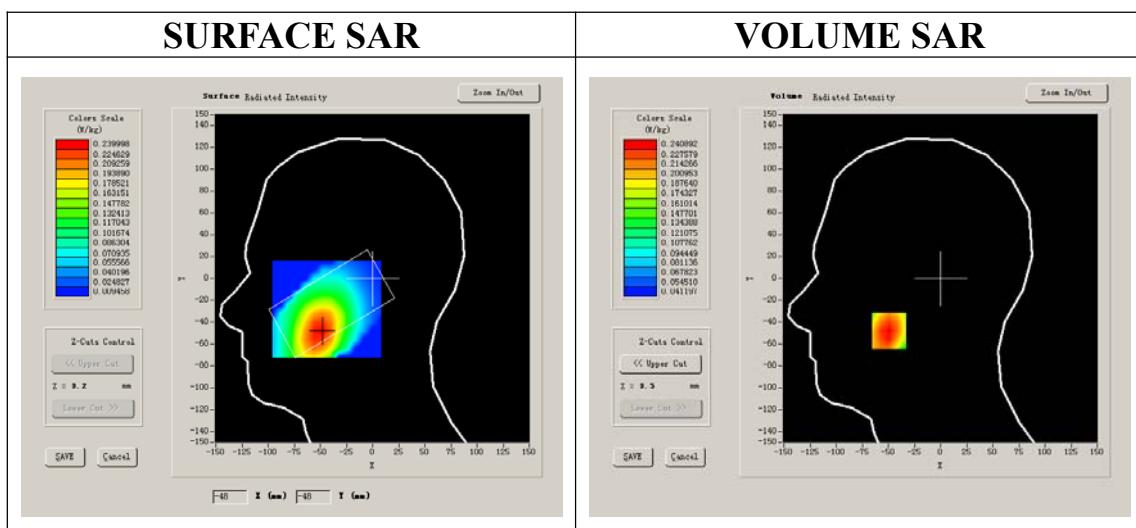
## A. Experimental conditions.

<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	GSM850
<b>Channels</b>	Low
<b>Signal</b>	GSM

## B. SAR Measurement Results

Lower Band SAR (Channel 128):

<b>Frequency (MHz)</b>	824.200000
<b>Relative permittivity (real part)</b>	41.254173
<b>Relative permittivity</b>	15.070000
<b>Conductivity (S/m)</b>	0.903135
<b>Power drift(%)</b>	-1.210000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.479,25.214,27.19
<b>Crest factor:</b>	1:8



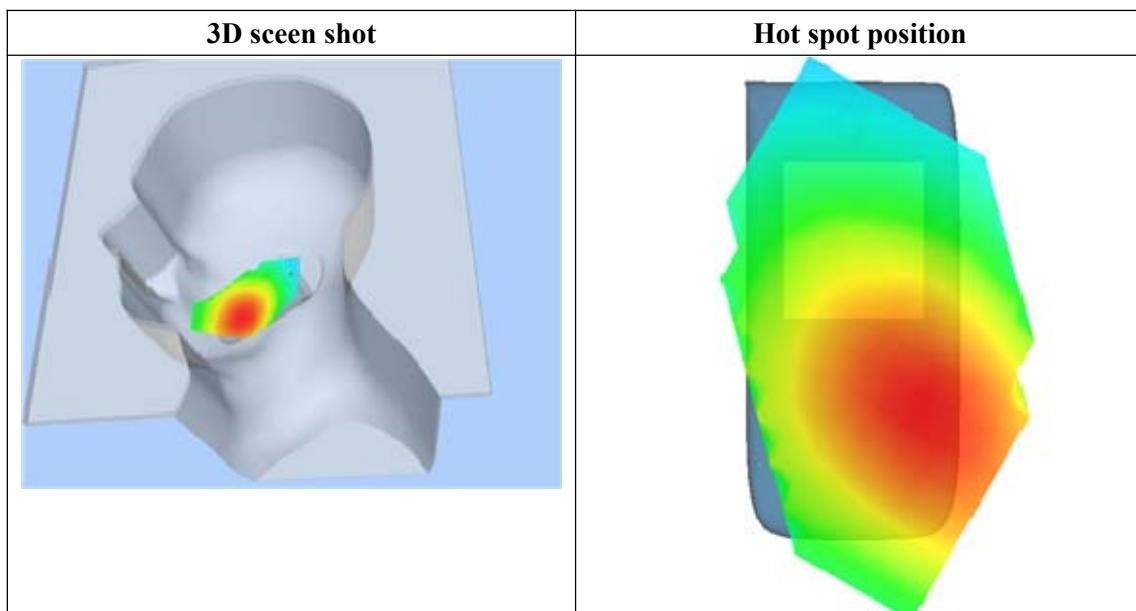
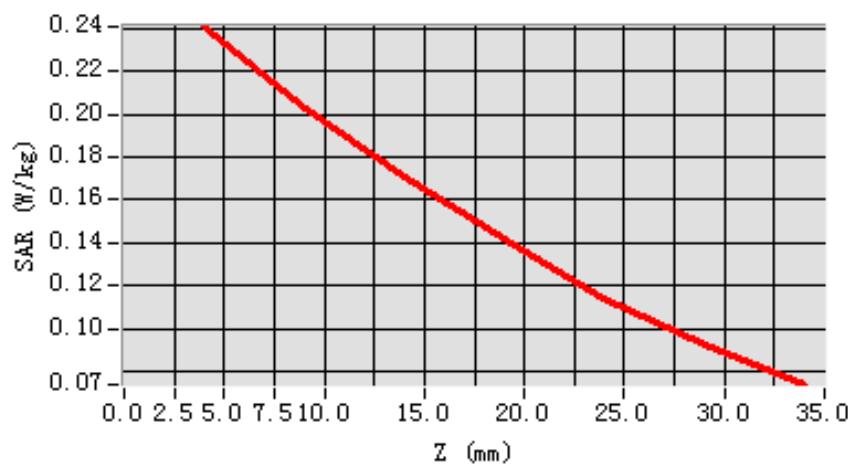
**Maximum location: X=-49.00, Y=-48.00**

<b>SAR 10g (W/Kg)</b>	0.183786
<b>SAR 1g (W/Kg)</b>	0.234786

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.2409	0.2033	0.1706	0.1416	0.1139	0.0923

**SAR, Z Axis Scan (X = -49, Y = -48)**



## MEASUREMENT 2

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 7 minutes 33 seconds

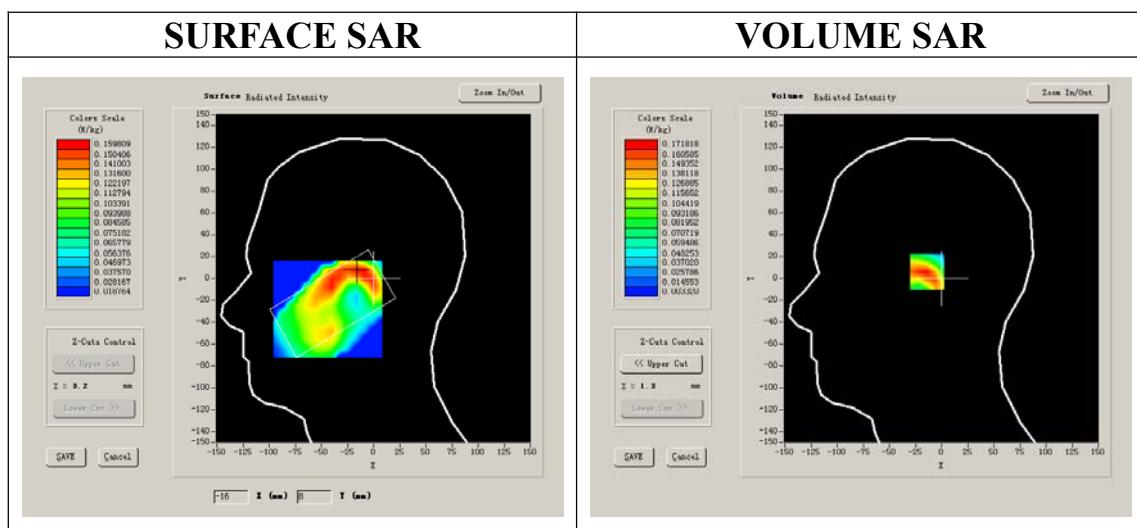
### A. Experimental conditions.

<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Right head
<b>Device Position</b>	Tilt
<b>Band</b>	GSM850
<b>Channels</b>	Low
<b>Signal</b>	GSM

### B. SAR Measurement Results

Lower Band SAR (Channel 128):

<b>Frequency (MHz)</b>	824.200000
<b>Relative permittivity (real part)</b>	41.254173
<b>Relative permittivity</b>	19.120001
<b>Conductivity (S/m)</b>	0.903135
<b>Power drift(%)</b>	-1.510000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.479,25.214,27.19
<b>Crest factor:</b>	1:8



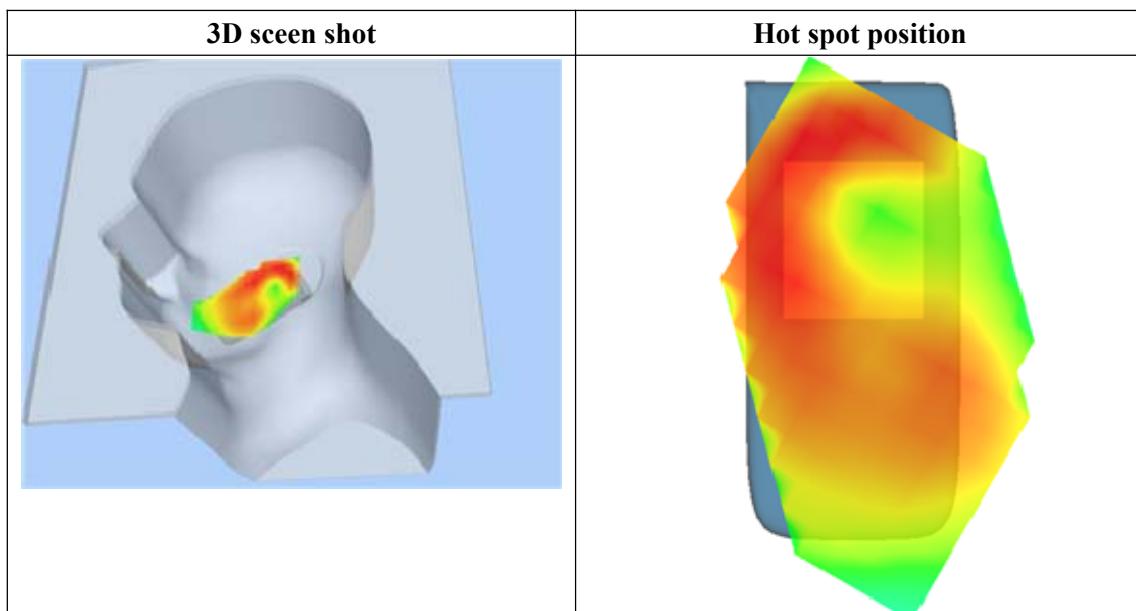
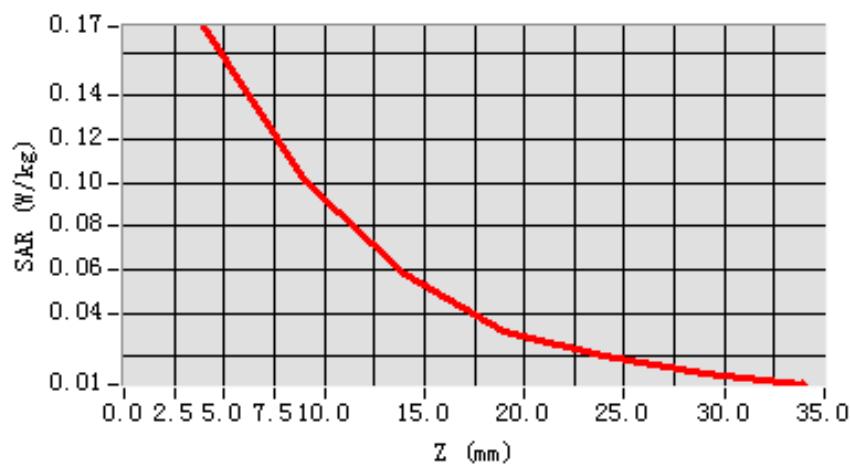
**Maximum location: X=-9.00, Y=6.00**

<b>SAR 10g (W/Kg)</b>	0.089730
<b>SAR 1g (W/Kg)</b>	0.160443

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.1718	0.1009	0.0574	0.0318	0.0199	0.0125

**SAR, Z Axis Scan (X = -9, Y = 6)**



# MEASUREMENT 3

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 7 minutes 47 seconds

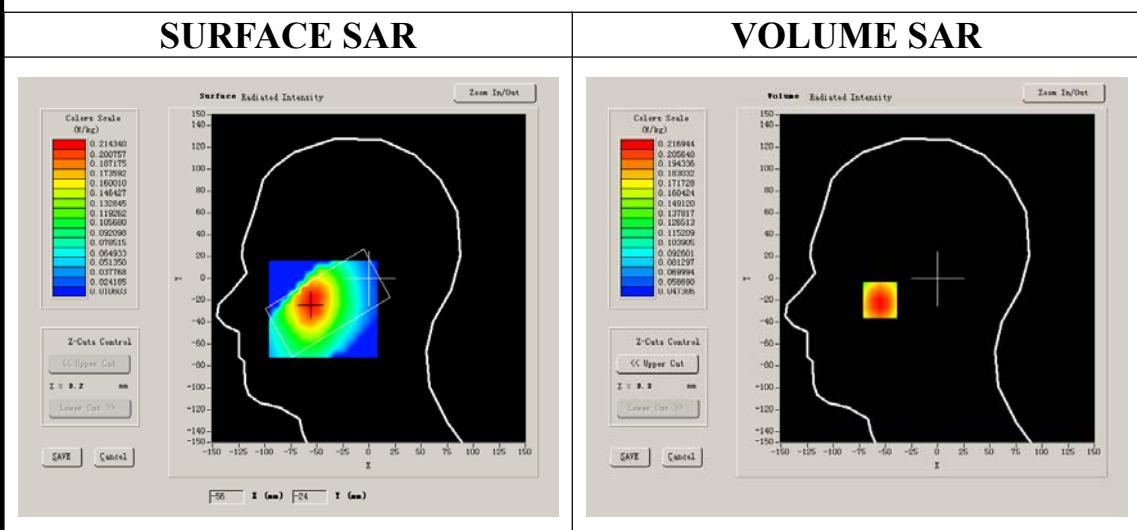
## A. Experimental conditions.

<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	GSM850
<b>Channels</b>	Low
<b>Signal</b>	GSM

## B. SAR Measurement Results

Lower Band SAR (Channel 128):

<b>Frequency (MHz)</b>	824.200000
<b>Relative permittivity (real part)</b>	41.254173
<b>Relative permittivity</b>	19.120001
<b>Conductivity (S/m)</b>	0.903135
<b>Power drift(%)</b>	-2.130000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.479,25.214,27.19
<b>Crest factor:</b>	1:8



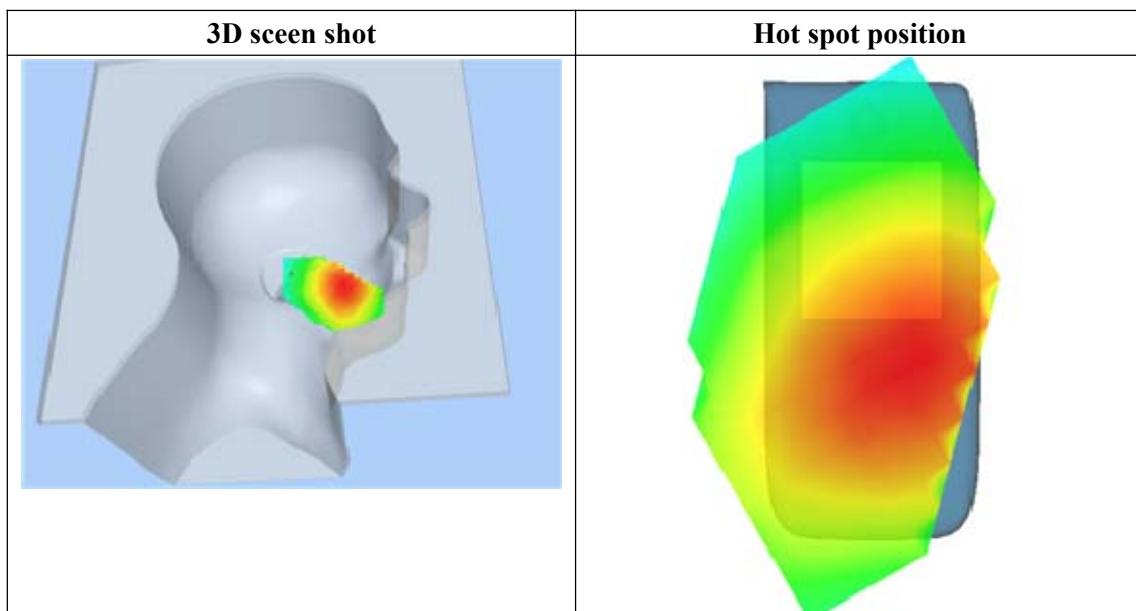
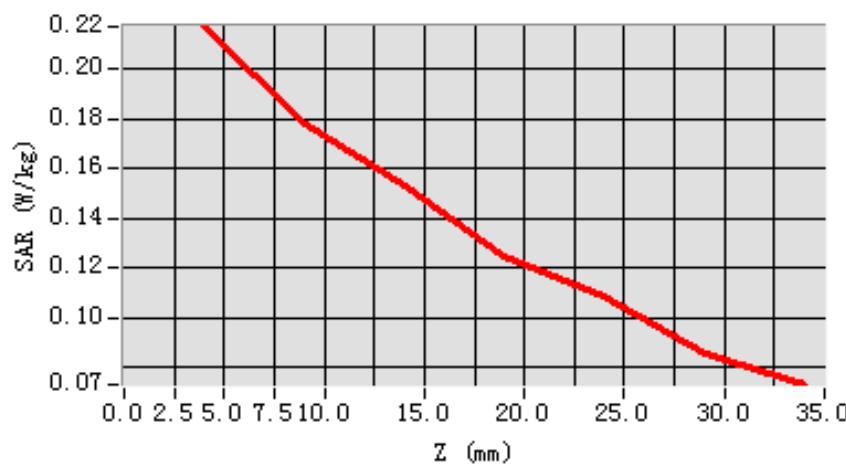
**Maximum location: X=-55.00, Y=-19.00**

<b>SAR 10g (W/Kg)</b>	0.165419
<b>SAR 1g (W/Kg)</b>	0.211419

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.2169	0.1778	0.1527	0.1250	0.1089	0.0857

**SAR, Z Axis Scan (X = -55, Y = -19)**



## MEASUREMENT 4

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 7 minutes 33 seconds

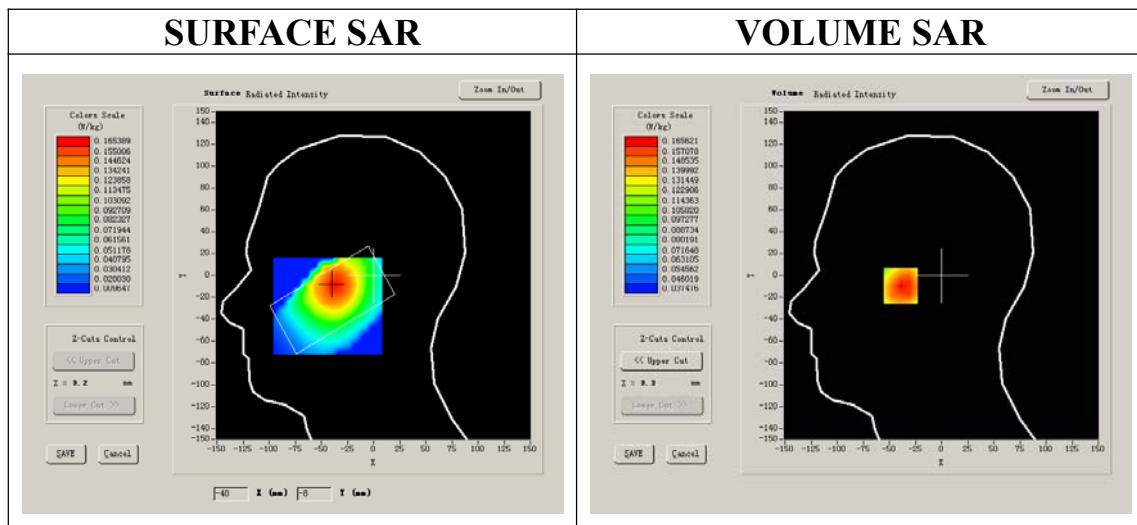
### A. Experimental conditions.

<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	GSM850
<b>Channels</b>	Low
<b>Signal</b>	GSM

### B. SAR Measurement Results

Lower Band SAR (Channel 128):

<b>Frequency (MHz)</b>	824.200000
<b>Relative permittivity (real part)</b>	41.254173
<b>Relative permittivity</b>	19.120001
<b>Conductivity (S/m)</b>	0.903135
<b>Power drift(%)</b>	-1.480000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.479,25.214,27.19
<b>Crest factor:</b>	1:8



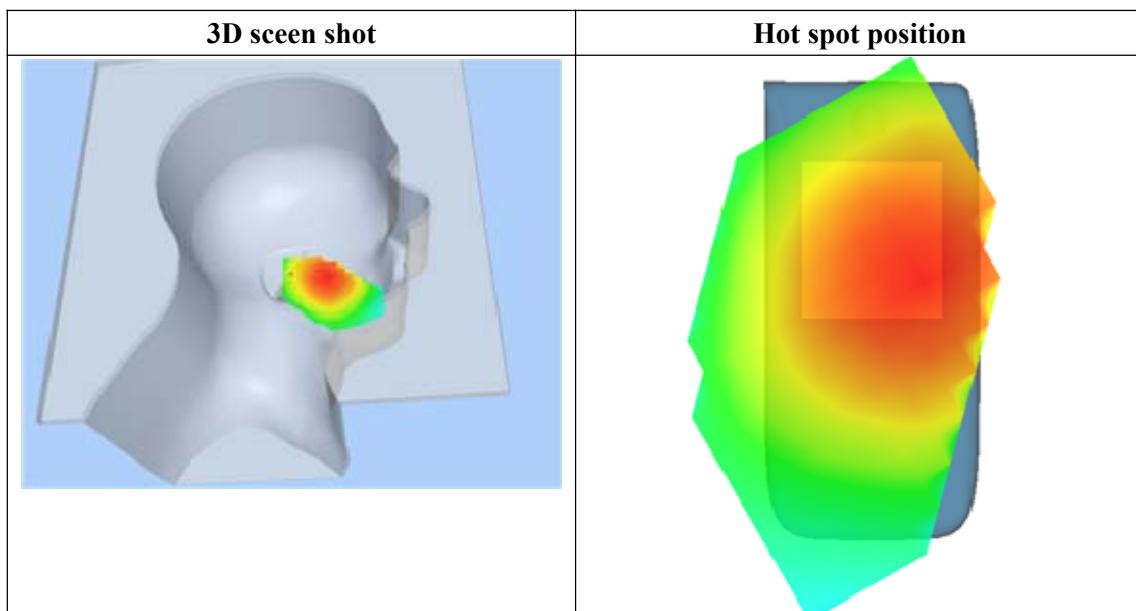
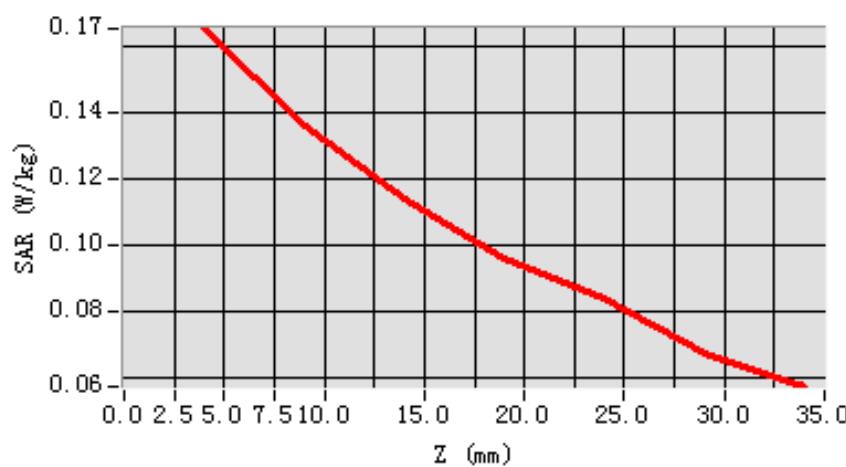
**Maximum location: X=-39.00, Y=-8.00**

<b>SAR 10g (W/Kg)</b>	0.126314
<b>SAR 1g (W/Kg)</b>	0.160412

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.1656	0.1361	0.1141	0.0958	0.0838	0.0677

**SAR, Z Axis Scan (X = -39, Y = -8)**



# MEASUREMENT 5

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 11 seconds

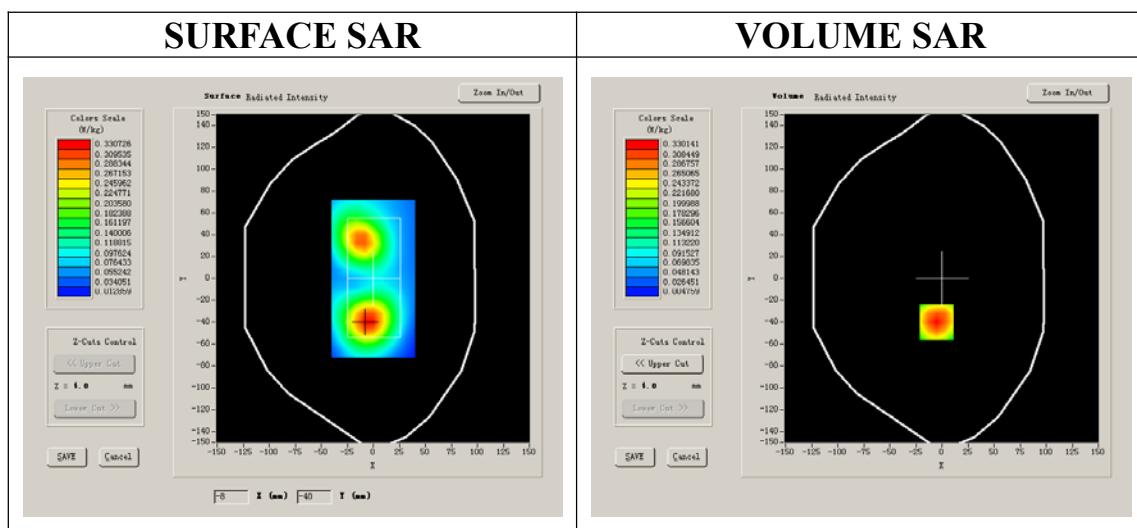
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM850
<b>Channels</b>	Low
<b>Signal</b>	GSM

## B. SAR Measurement Results

Lower Band SAR (Channel 128):

<b>Frequency (MHz)</b>	824.200000
<b>Relative permittivity (real part)</b>	54.283123
<b>Relative permittivity</b>	21.709999
<b>Conductivity (S/m)</b>	0.932714
<b>Power drift(%)</b>	-1.310000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.559,25.681,27.588
<b>Crest factor:</b>	1:8



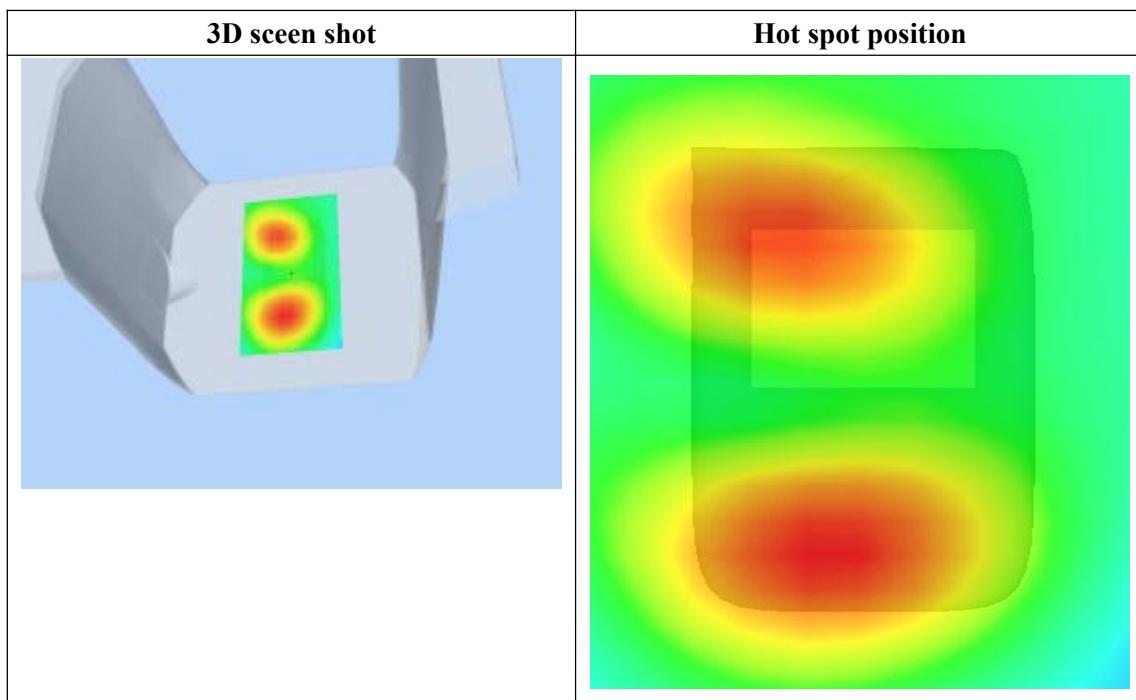
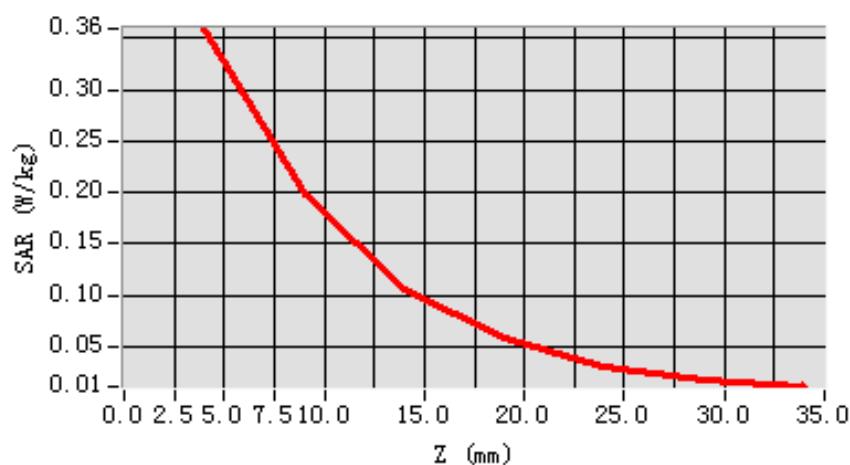
**Maximum location: X=-5.00, Y=-40.00**

<b>SAR 10g (W/Kg)</b>	0.190519
<b>SAR 1g (W/Kg)</b>	0.341707

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.3595	0.1981	0.1065	0.0586	0.0311	0.0168

**SAR, Z Axis Scan (X = -5, Y = -40)**



# MEASUREMENT 6

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 10 seconds

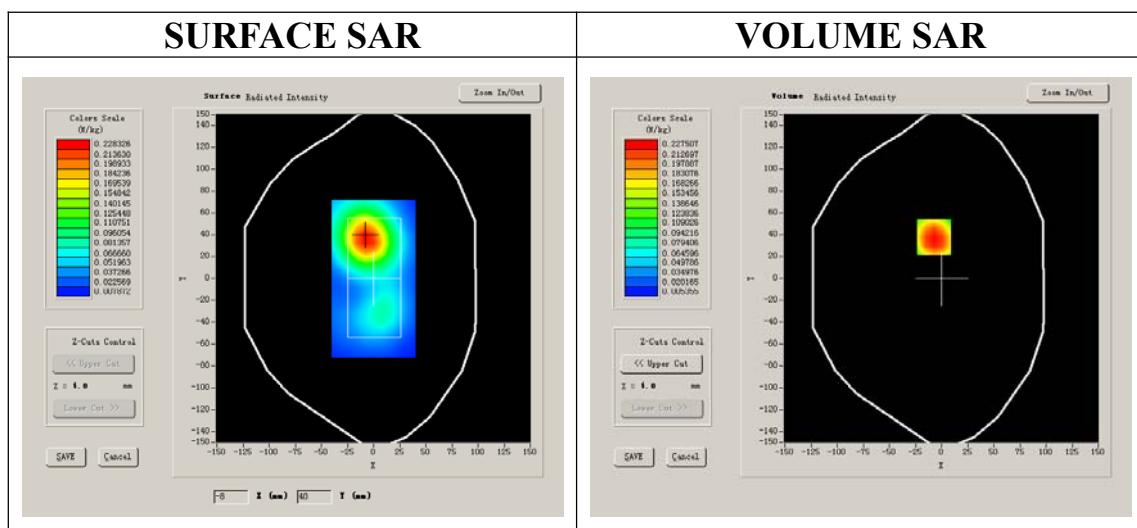
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM850
<b>Channels</b>	Low
<b>Signal</b>	GSM

## B. SAR Measurement Results

Lower Band SAR (Channel 128):

<b>Frequency (MHz)</b>	824.200000
<b>Relative permittivity (real part)</b>	54.283123
<b>Relative permittivity</b>	21.709999
<b>Conductivity (S/m)</b>	0.932714
<b>Power drift(%)</b>	-0.790000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.559,25.681,27.588
<b>Crest factor:</b>	1:8



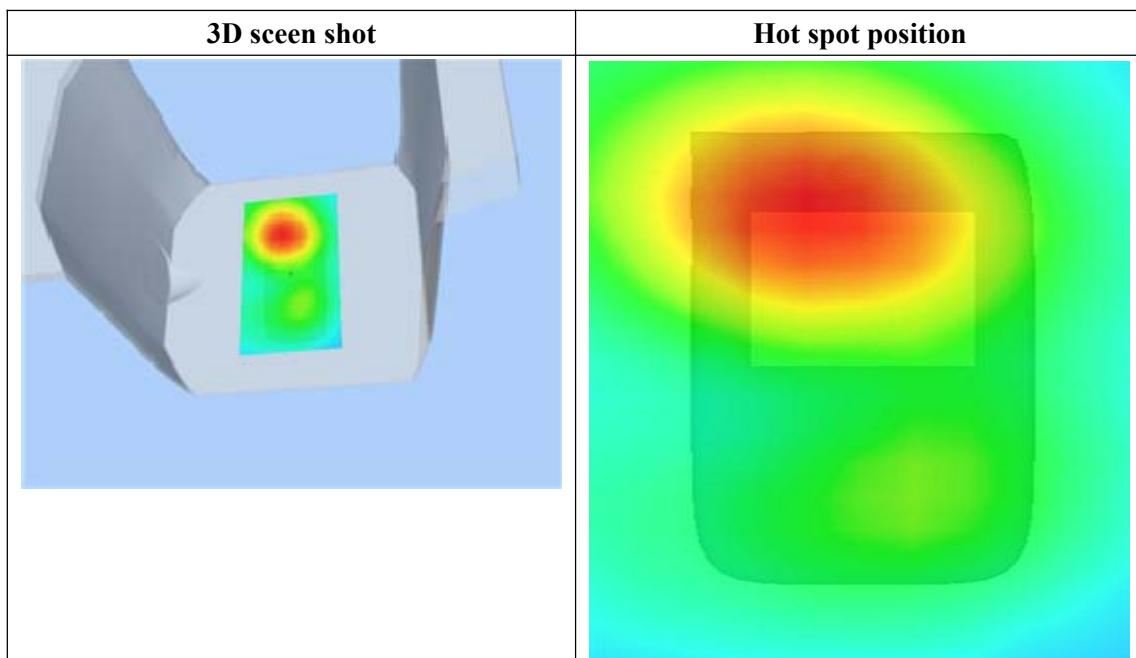
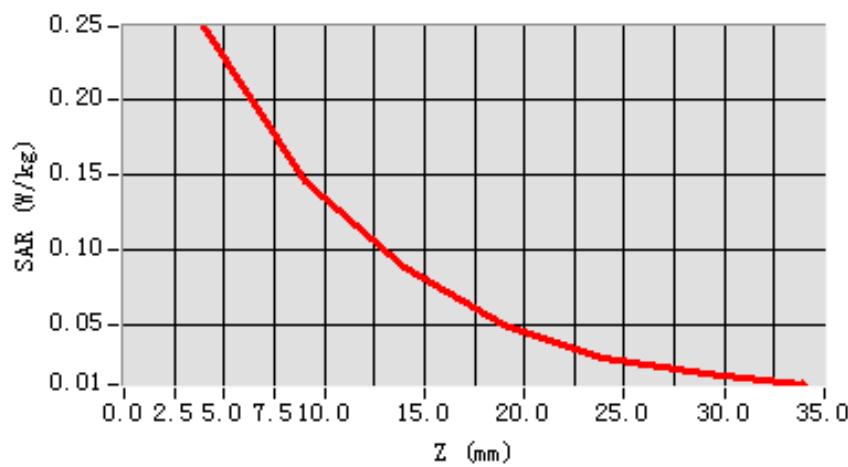
**Maximum location: X=-7.00, Y=38.00**

<b>SAR 10g (W/Kg)</b>	0.141031
<b>SAR 1g (W/Kg)</b>	0.238606

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.2477	0.1448	0.0888	0.0505	0.0284	0.0179

**SAR, Z Axis Scan (X = -7, Y = 38)**



# MEASUREMENT 7

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 11 seconds

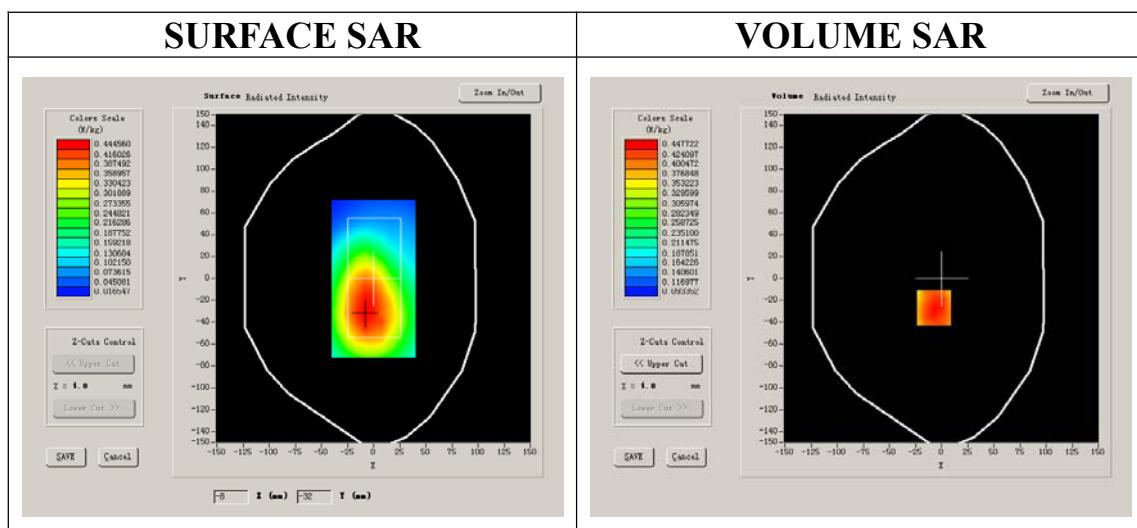
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM850
<b>Channels</b>	Middle
<b>Signal</b>	GPRS (3 up)

## B. SAR Measurement Results

Middle Band SAR (Channel 190):

<b>Frequency (MHz)</b>	836.600000
<b>Relative permittivity (real part)</b>	54.283123
<b>Relative permittivity</b>	21.709999
<b>Conductivity (S/m)</b>	0.932714
<b>Power drift(%)</b>	-0.810000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.559,25.681,27.588
<b>Crest factor:</b>	3:8



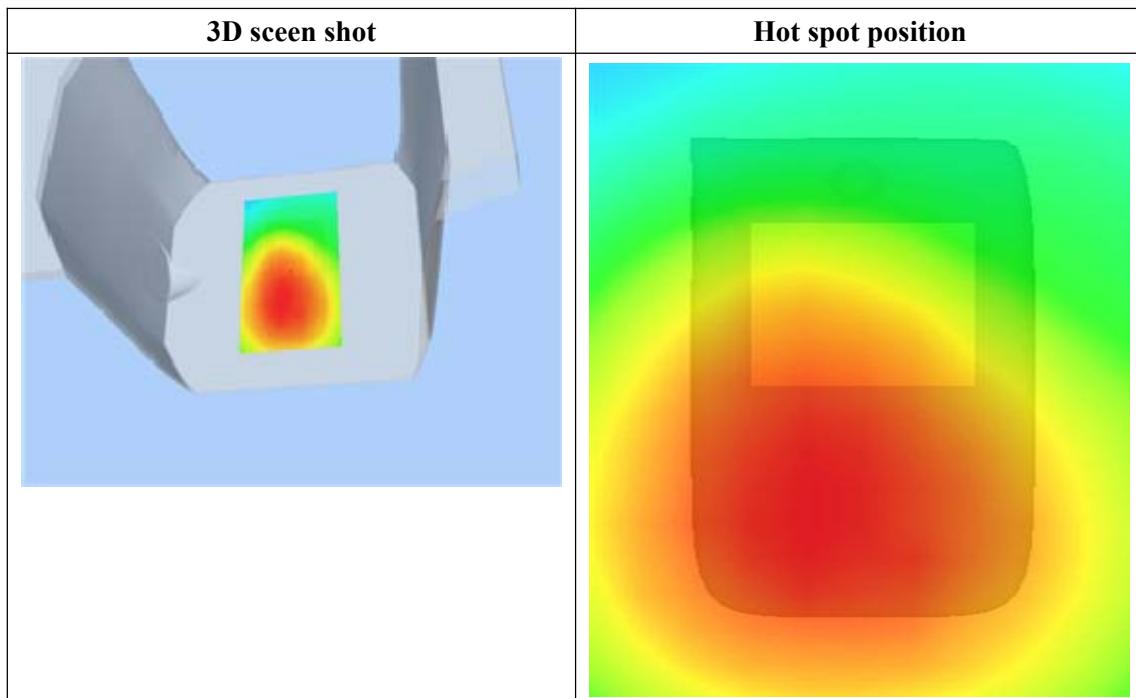
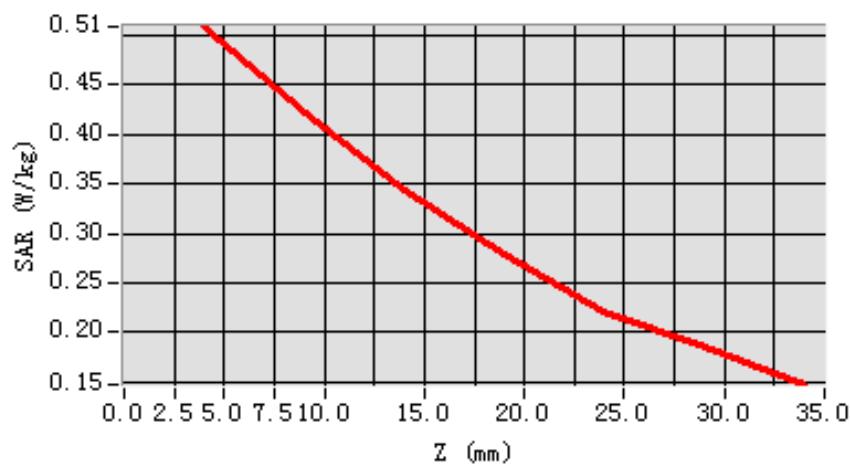
**Maximum location: X=-7.00, Y=-27.00**

<b>SAR 10g (W/Kg)</b>	0.386303
<b>SAR 1g (W/Kg)</b>	0.492699

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.5084	0.4226	0.3425	0.2799	0.2200	0.1857

**SAR, Z Axis Scan (X = -7, Y = -27)**



# MEASUREMENT 8

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 11 seconds

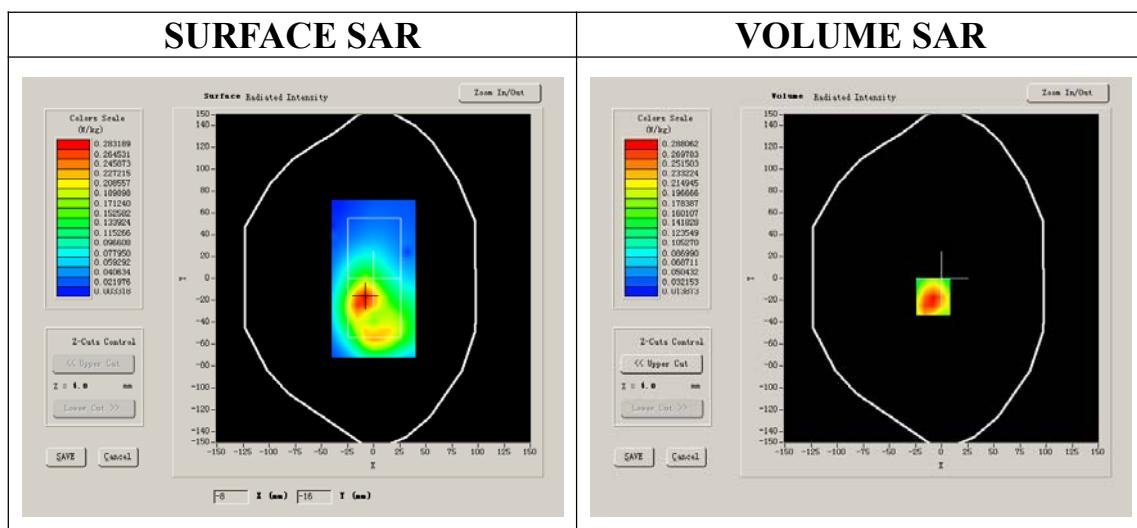
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM850
<b>Channels</b>	Middle (3 up)
<b>Signal</b>	GPRS

## B. SAR Measurement Results

Middle Band SAR (Channel 190):

<b>Frequency (MHz)</b>	836.600000
<b>Relative permittivity (real part)</b>	54.283123
<b>Relative permittivity</b>	21.709999
<b>Conductivity (S/m)</b>	0.932714
<b>Power drift(%)</b>	-1.200000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.559,25.681,27.588
<b>Crest factor:</b>	3:8



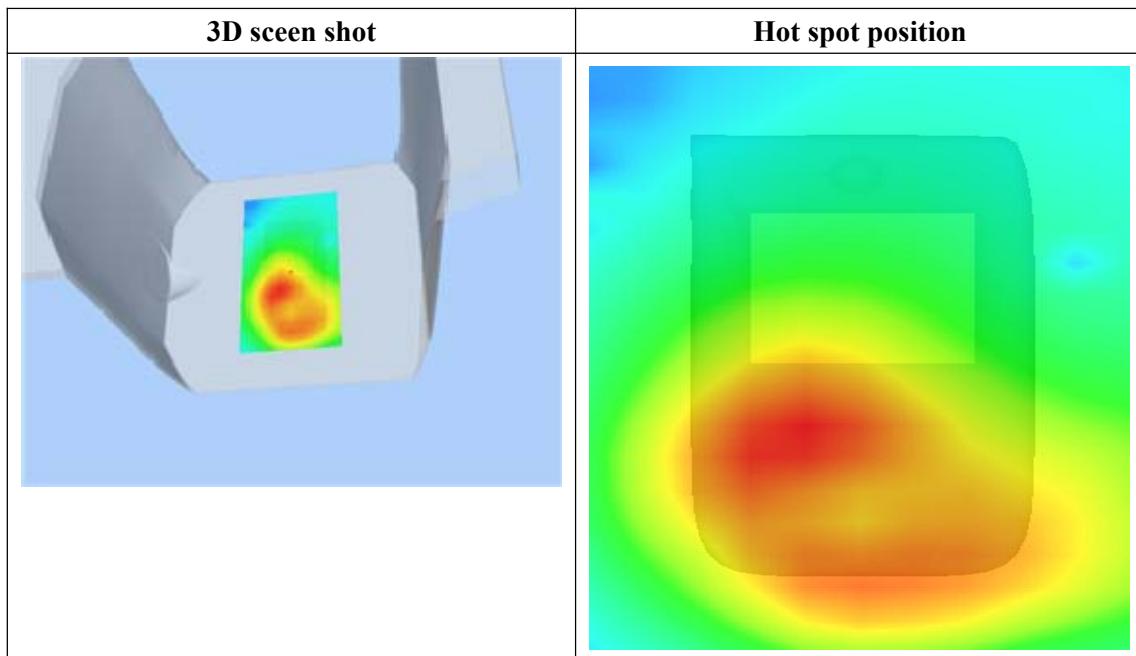
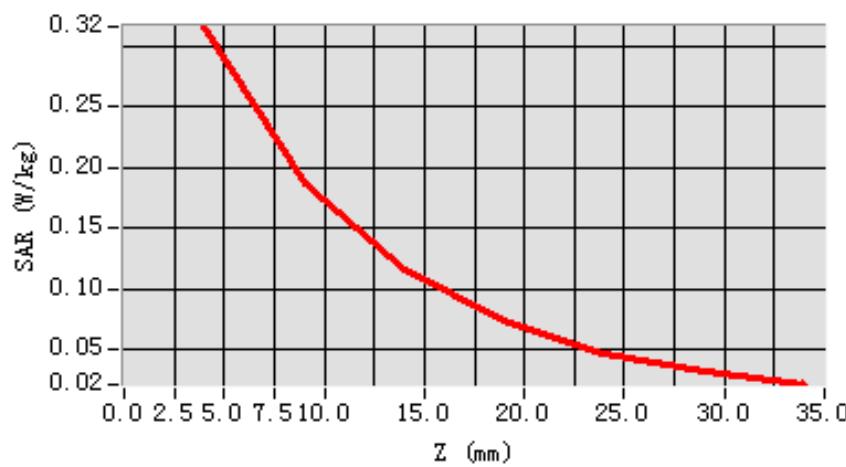
**Maximum location: X=-8.00, Y=-17.00**

<b>SAR 10g (W/Kg)</b>	0.177852
<b>SAR 1g (W/Kg)</b>	0.305398

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.3162	0.1867	0.1154	0.0733	0.0470	0.0314

**SAR, Z Axis Scan (X = -8, Y = -17)**



# MEASUREMENT 9

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 11 seconds

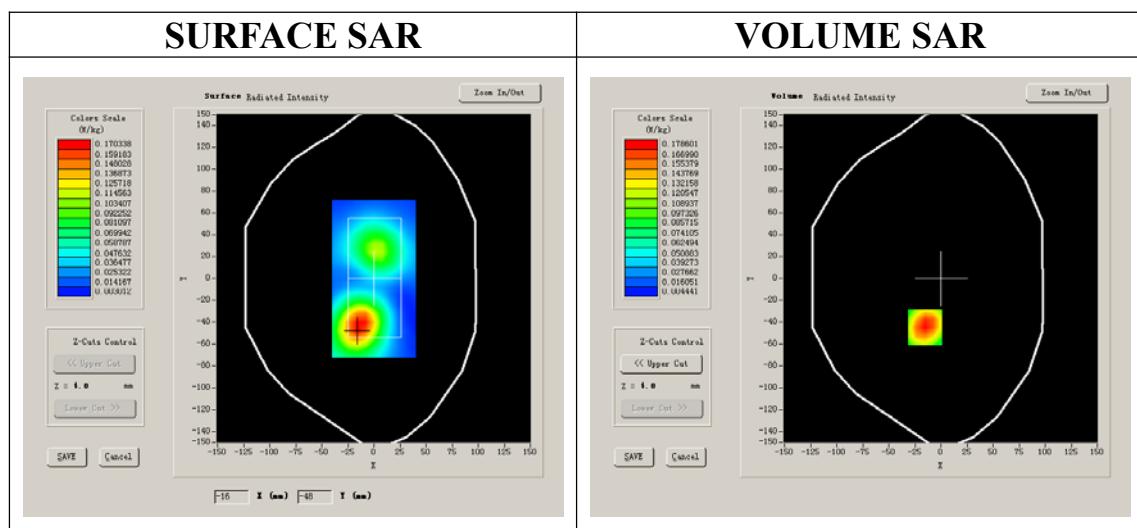
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM850
<b>Channels</b>	Middle (3 up)
<b>Signal</b>	GPRS

## B. SAR Measurement Results

Middle Band SAR (Channel 190):

<b>Frequency (MHz)</b>	836.600000
<b>Relative permittivity (real part)</b>	54.283123
<b>Relative permittivity</b>	21.709999
<b>Conductivity (S/m)</b>	0.932714
<b>Power drift(%)</b>	-1.200000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.559,25.681,27.588
<b>Crest factor:</b>	3:8



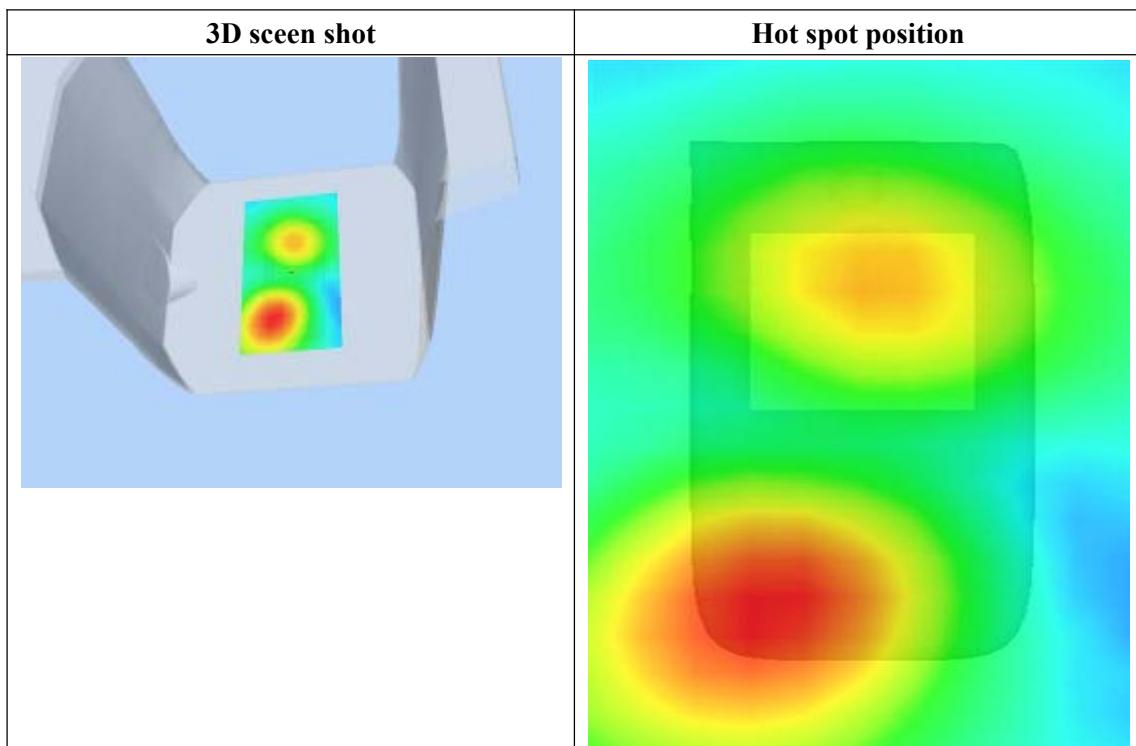
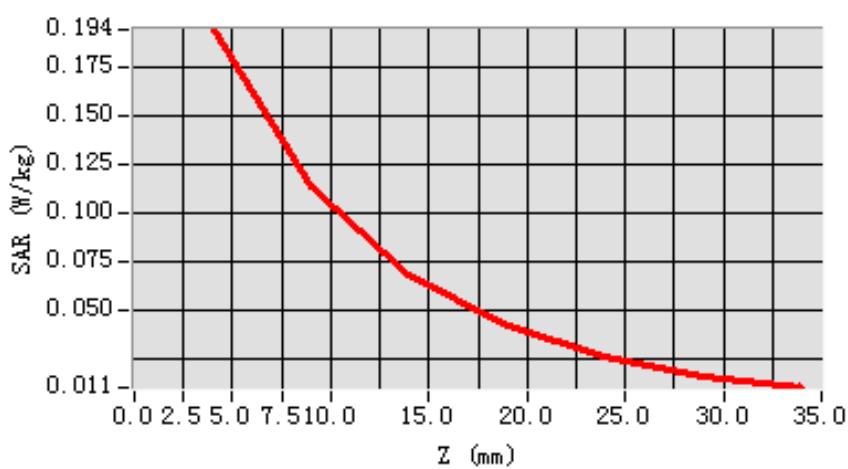
**Maximum location: X=-15.00, Y=-45.00**

SAR 10g (W/Kg)	0.108322
SAR 1g (W/Kg)	0.185816

**Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.1945	0.1138	0.0689	0.0423	0.0263	0.0169

**SAR, Z Axis Scan (X = -15, Y = -45)**



# MEASUREMENT 10

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 10 seconds

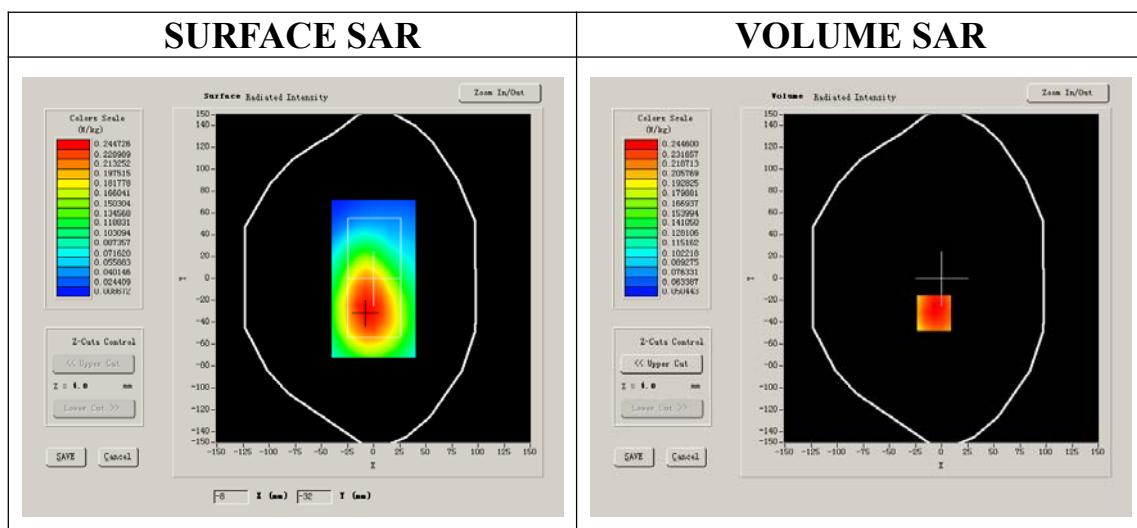
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM850
<b>Channels</b>	Middle (3up)
<b>Signal</b>	GPRS

## B. SAR Measurement Results

Middle Band SAR (Channel 190):

<b>Frequency (MHz)</b>	836.600000
<b>Relative permittivity (real part)</b>	54.283123
<b>Relative permittivity</b>	21.709999
<b>Conductivity (S/m)</b>	0.932714
<b>Power drift(%)</b>	-0.590000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.559,25.681,27.588
<b>Crest factor:</b>	3:8



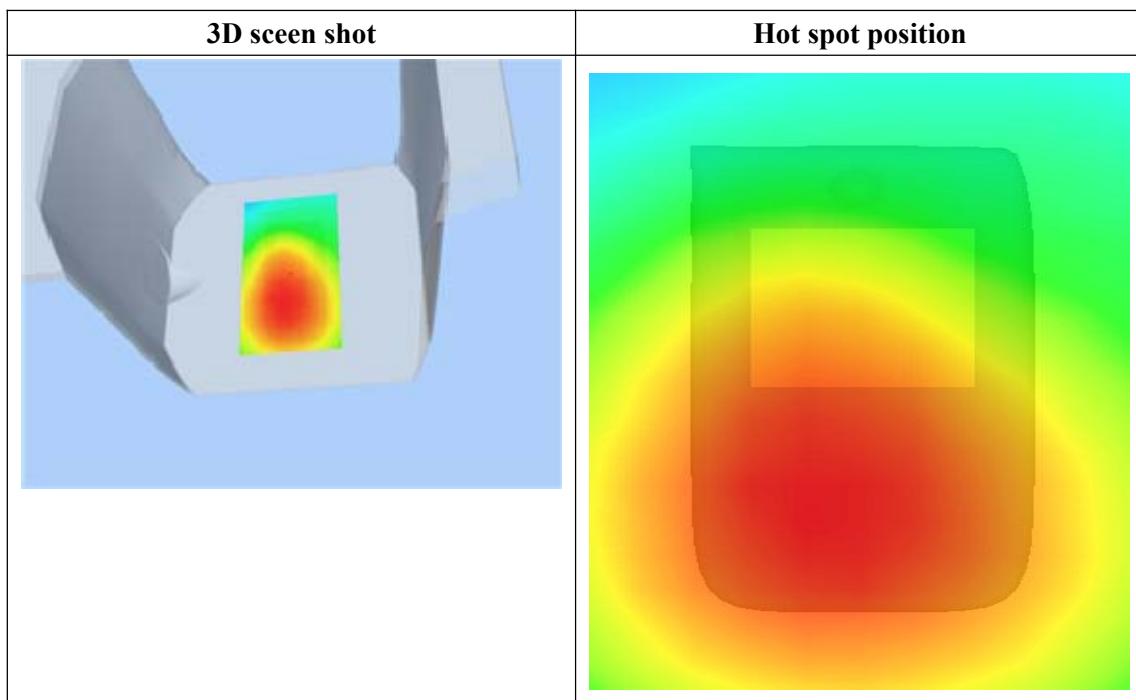
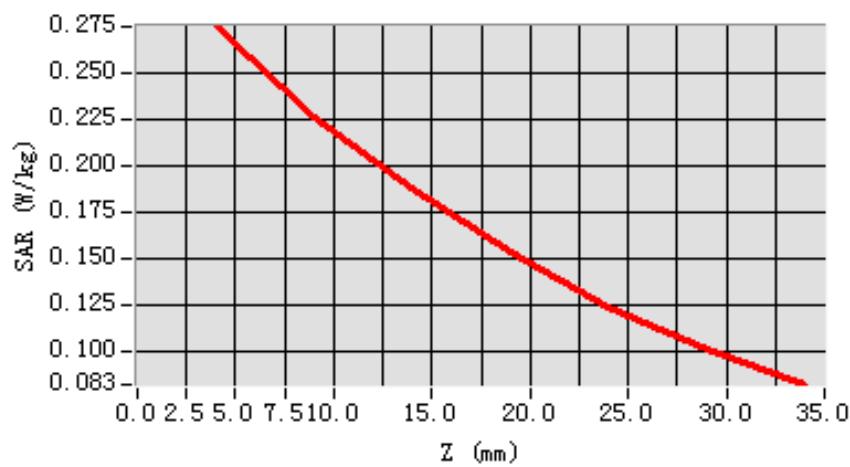
**Maximum location: X=-7.00, Y=-32.00**

<b>SAR 10g (W/Kg)</b>	0.213192
<b>SAR 1g (W/Kg)</b>	0.269555

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.2748	0.2258	0.1883	0.1533	0.1247	0.1019

**SAR, Z Axis Scan (X = -7, Y = -32)**



# MEASUREMENT 11

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 10 seconds

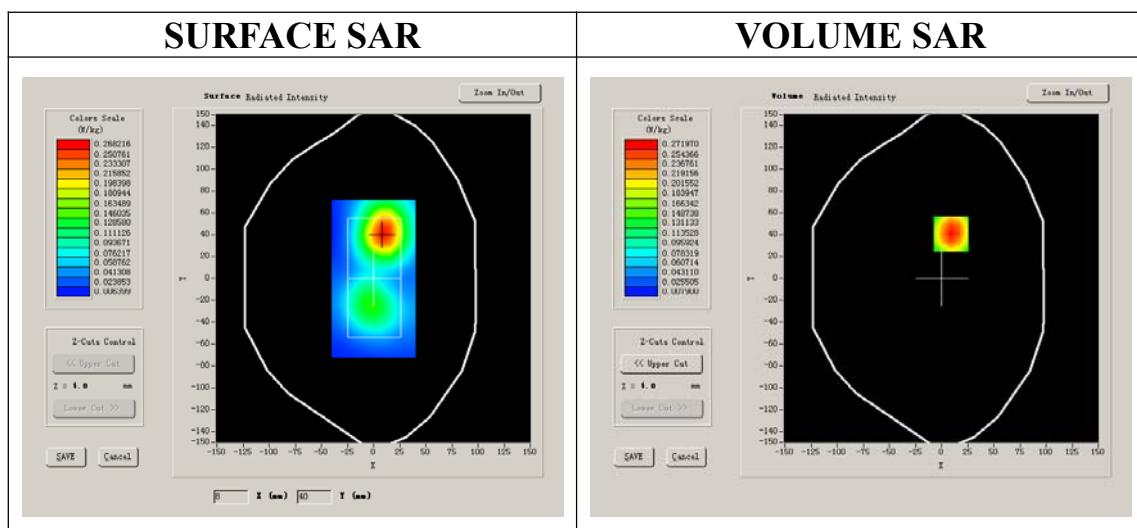
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM850
<b>Channels</b>	Middle (3up)
<b>Signal</b>	GPRS

## B. SAR Measurement Results

Middle Band SAR (Channel 190):

<b>Frequency (MHz)</b>	836.600000
<b>Relative permittivity (real part)</b>	54.283123
<b>Relative permittivity</b>	21.709999
<b>Conductivity (S/m)</b>	0.932714
<b>Power drift(%)</b>	-1.320000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.559,25.681,27.588
<b>Crest factor:</b>	3:8



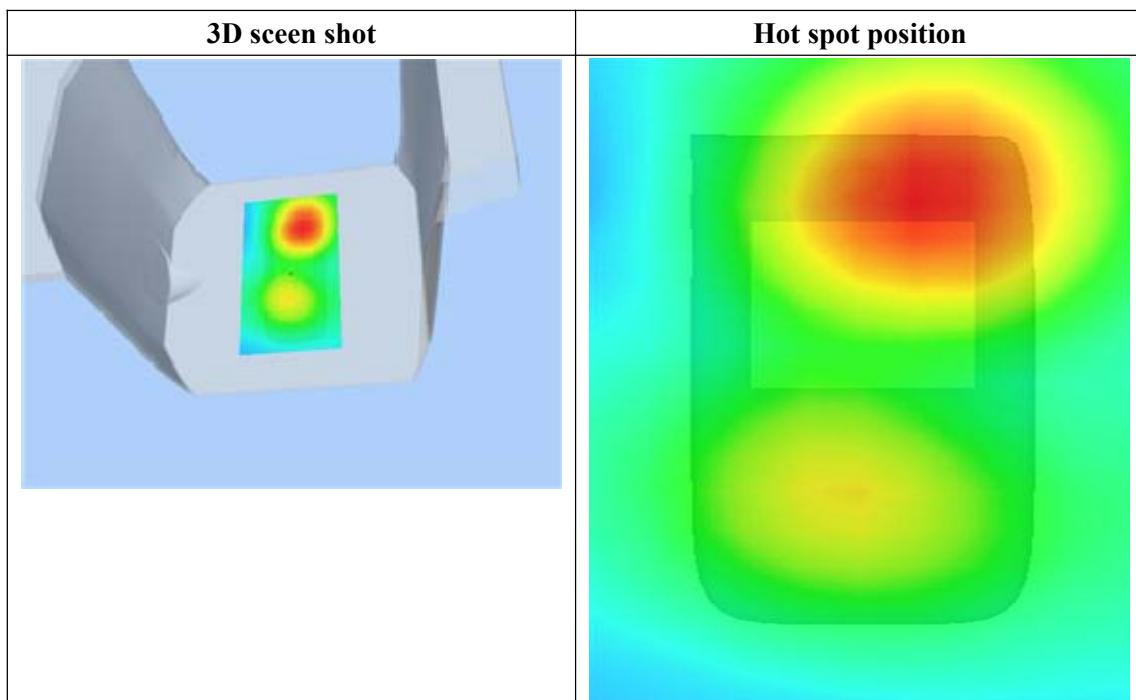
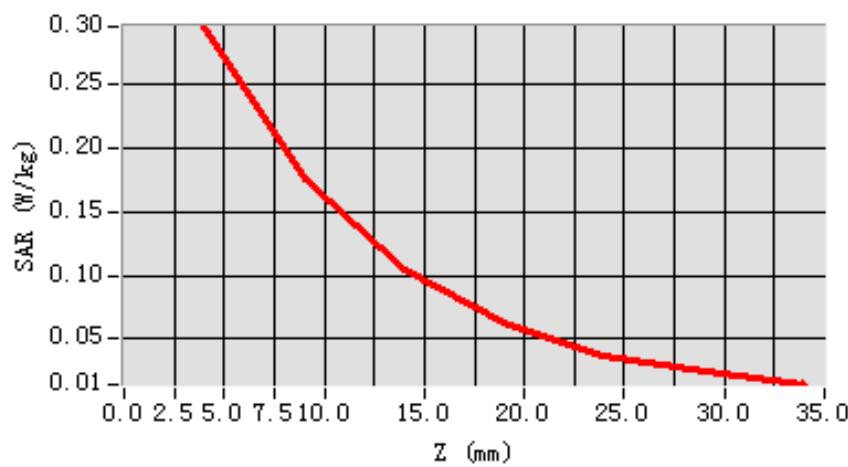
**Maximum location: X=9.00, Y=41.00**

<b>SAR 10g (W/Kg)</b>	0.164767
<b>SAR 1g (W/Kg)</b>	0.281828

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.2961	0.1758	0.1045	0.0629	0.0370	0.0239

**SAR, Z Axis Scan (X = 9, Y = 41)**



# MEASUREMENT 12

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 10 seconds

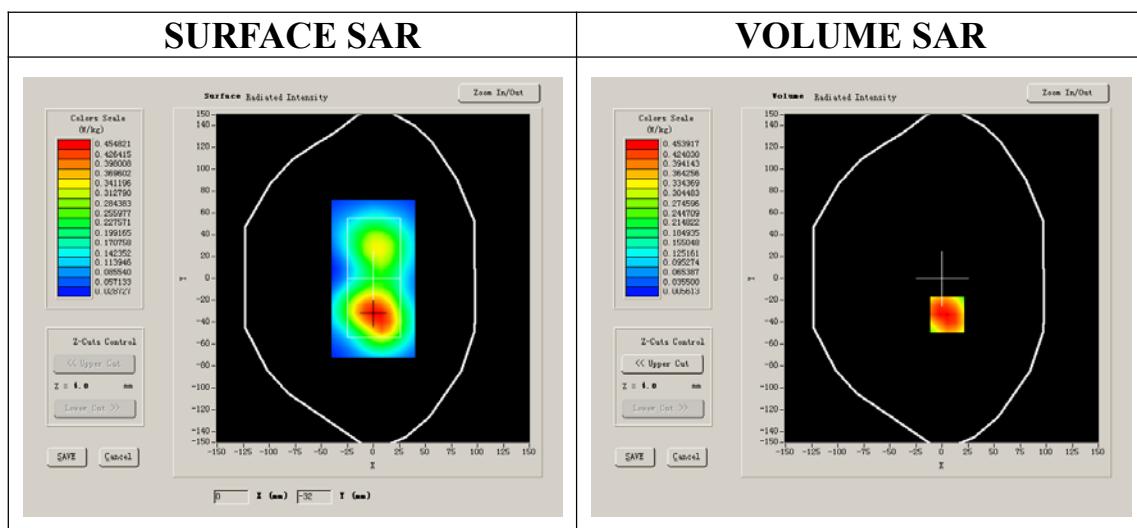
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM850
<b>Channels</b>	Middle
<b>Signal</b>	EDGE

## B. SAR Measurement Results

Middle Band SAR (Channel 190):

<b>Frequency (MHz)</b>	836.600000
<b>Relative permittivity (real part)</b>	54.283123
<b>Relative permittivity</b>	21.709999
<b>Conductivity (S/m)</b>	0.932714
<b>Power drift(%)</b>	-1.210000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.559,25.681,27.588
<b>Crest factor:</b>	1:2



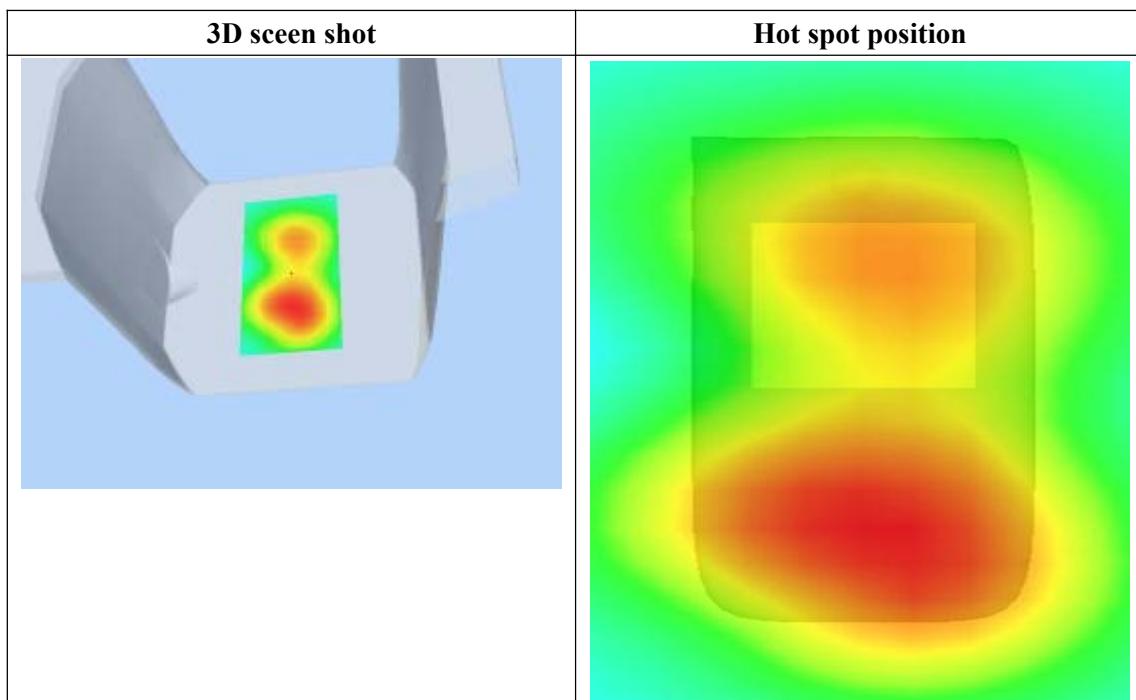
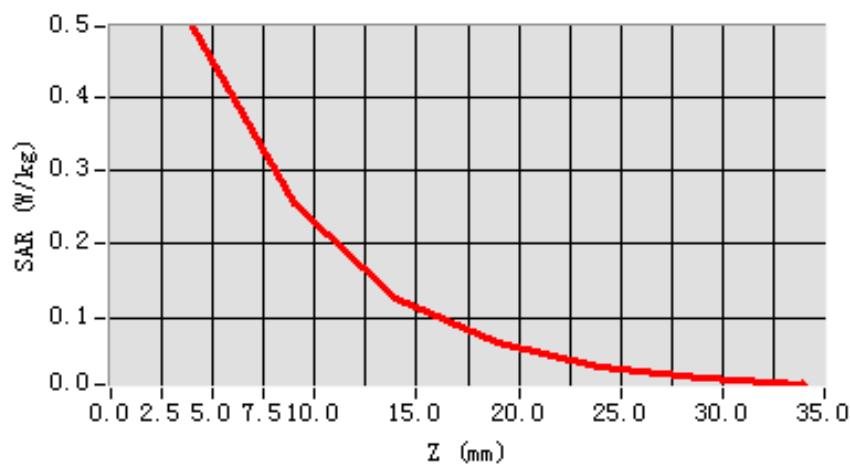
**Maximum location: X=5.00, Y=-33.00**

<b>SAR 10g (W/Kg)</b>	0.264127
<b>SAR 1g (W/Kg)</b>	0.478554

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.4943	0.2542	0.1275	0.0669	0.0353	0.0187

**SAR, Z Axis Scan (X = 5, Y = -33)**



# MEASUREMENT 13

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 8 minutes 33 seconds

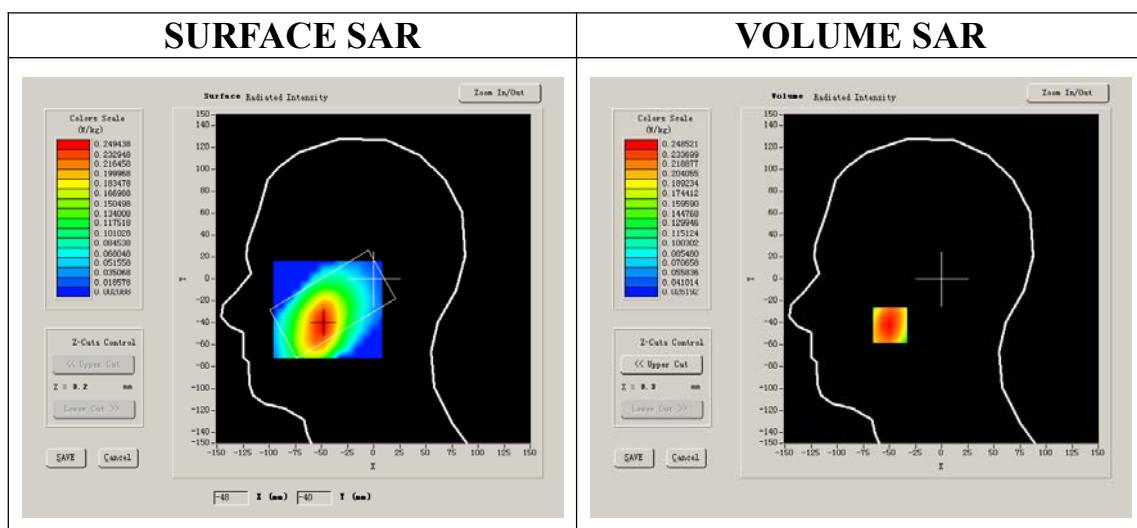
## A. Experimental conditions.

<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	GSM1900
<b>Channels</b>	High
<b>Signal</b>	GSM

## B. SAR Measurement Results

Higher Band SAR (Channel 810):

<b>Frequency (MHz)</b>	1909.800000
<b>Relative permittivity (real part)</b>	41.163616
<b>Relative permittivity</b>	15.070000
<b>Conductivity (S/m)</b>	1.428963
<b>Power drift(%)</b>	-0.710000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.136,34.843,38.721
<b>Crest factor:</b>	1:8



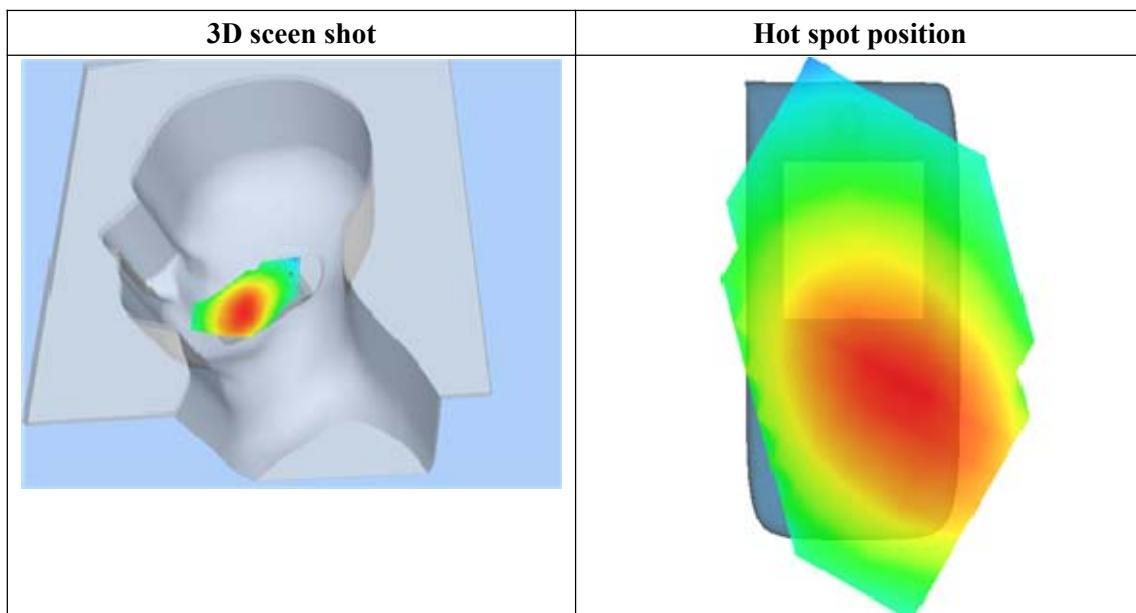
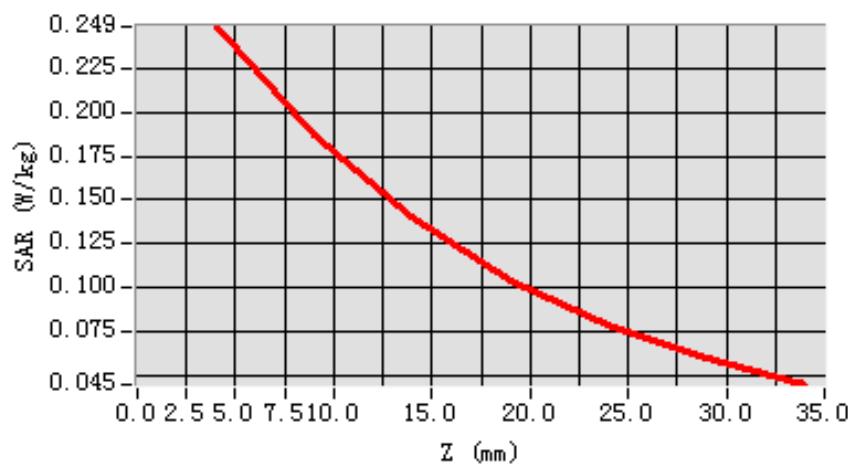
**Maximum location: X=-49.00, Y=-42.00**

<b>SAR 10g (W/Kg)</b>	0.170695
<b>SAR 1g (W/Kg)</b>	0.238344

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.2485	0.1869	0.1405	0.1043	0.0785	0.0597

**SAR, Z Axis Scan (X = -49, Y = -42)**



# MEASUREMENT 14

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 8 minutes 33 seconds

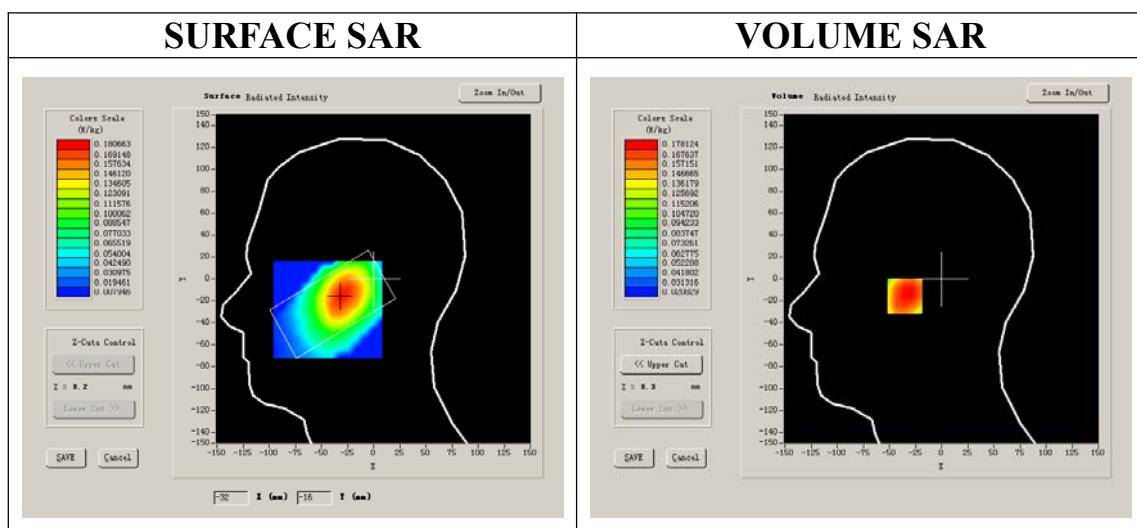
## A. Experimental conditions.

<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Right head
<b>Device Position</b>	Tilt
<b>Band</b>	GSM1900
<b>Channels</b>	High
<b>Signal</b>	GSM

## B. SAR Measurement Results

Higher Band SAR (Channel 810):

<b>Frequency (MHz)</b>	1909.800000
<b>Relative permittivity (real part)</b>	41.163616
<b>Relative permittivity</b>	15.070000
<b>Conductivity (S/m)</b>	1.428963
<b>Power drift(%)</b>	-2.170000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.136,34.843,38.721
<b>Crest factor:</b>	1:8



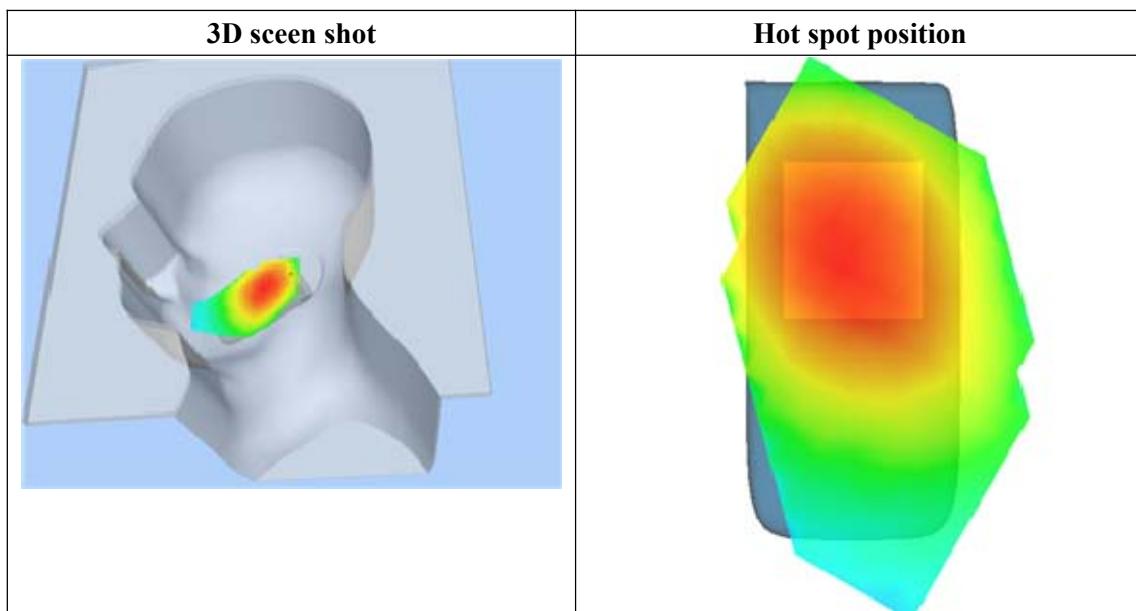
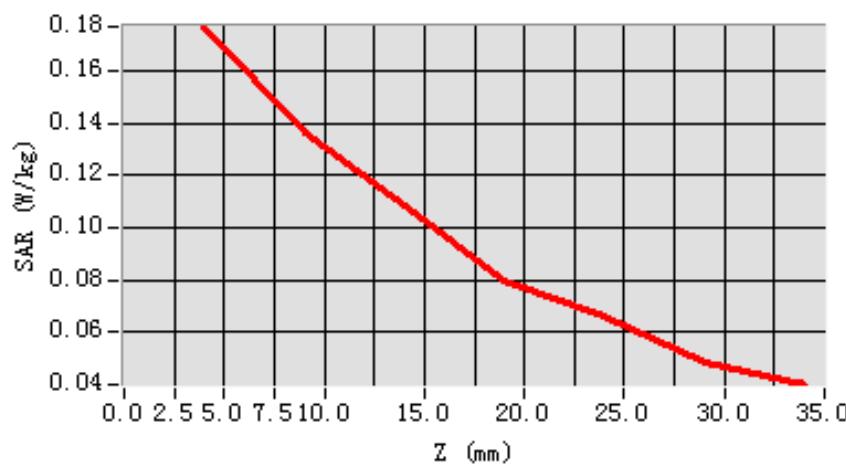
**Maximum location: X=-31.00, Y=-16.00**

<b>SAR 10g (W/Kg)</b>	0.127033
<b>SAR 1g (W/Kg)</b>	0.176006

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.1771	0.1368	0.1087	0.0795	0.0665	0.0487

**SAR, Z Axis Scan (X = -31, Y = -16)**



# MEASUREMENT 15

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 7 minutes 57 seconds

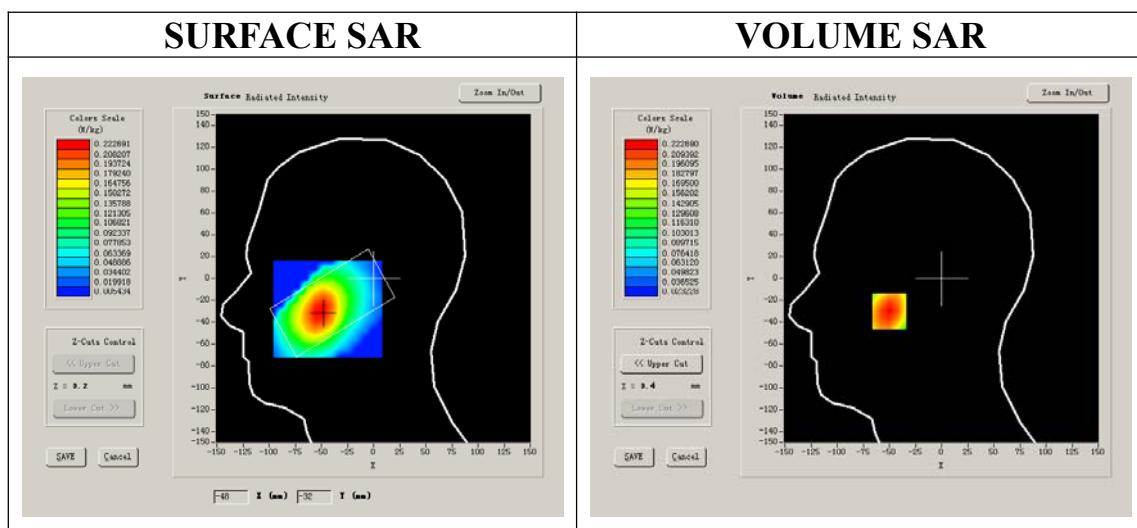
## A. Experimental conditions.

<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	GSM1900
<b>Channels</b>	High
<b>Signal</b>	GSM

## B. SAR Measurement Results

Higher Band SAR (Channel 810):

<b>Frequency (MHz)</b>	1909.800000
<b>Relative permittivity (real part)</b>	41.163616
<b>Relative permittivity</b>	15.070000
<b>Conductivity (S/m)</b>	1.428963
<b>Power drift(%)</b>	-0.310000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.136,34.843,38.721
<b>Crest factor:</b>	1:8



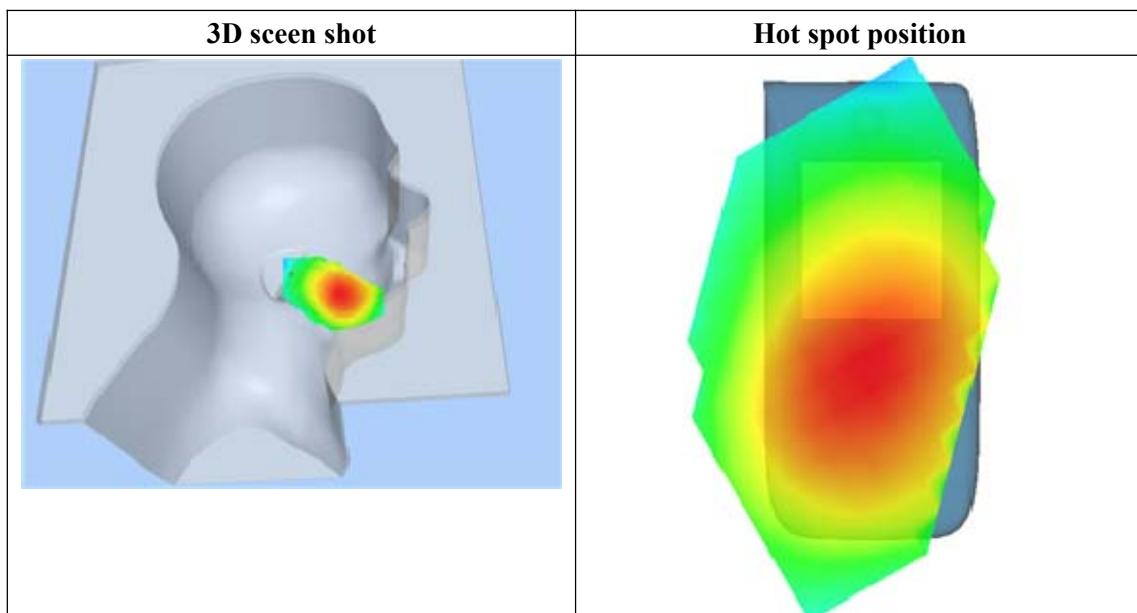
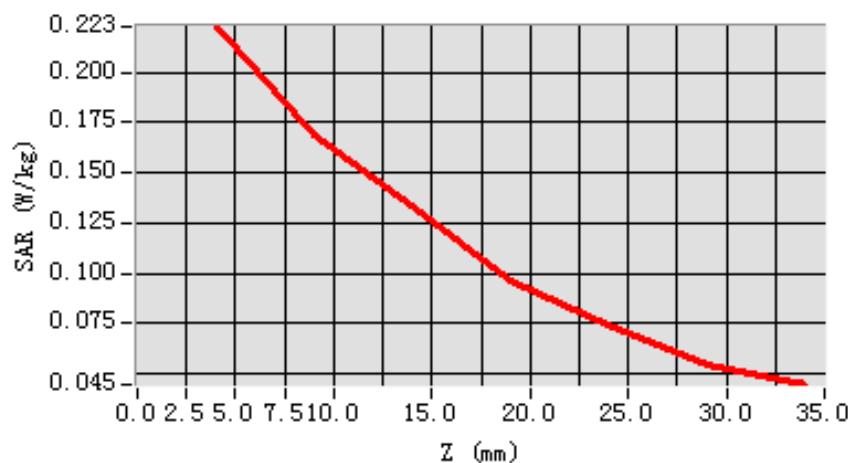
**Maximum location: X=-50.00, Y=-30.00**

<b>SAR 10g (W/Kg)</b>	0.152667
<b>SAR 1g (W/Kg)</b>	0.212572

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.2227	0.1694	0.1334	0.0965	0.0747	0.0548

**SAR, Z Axis Scan (X = -50, Y = -30)**



# MEASUREMENT 16

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 7 minutes 18 seconds

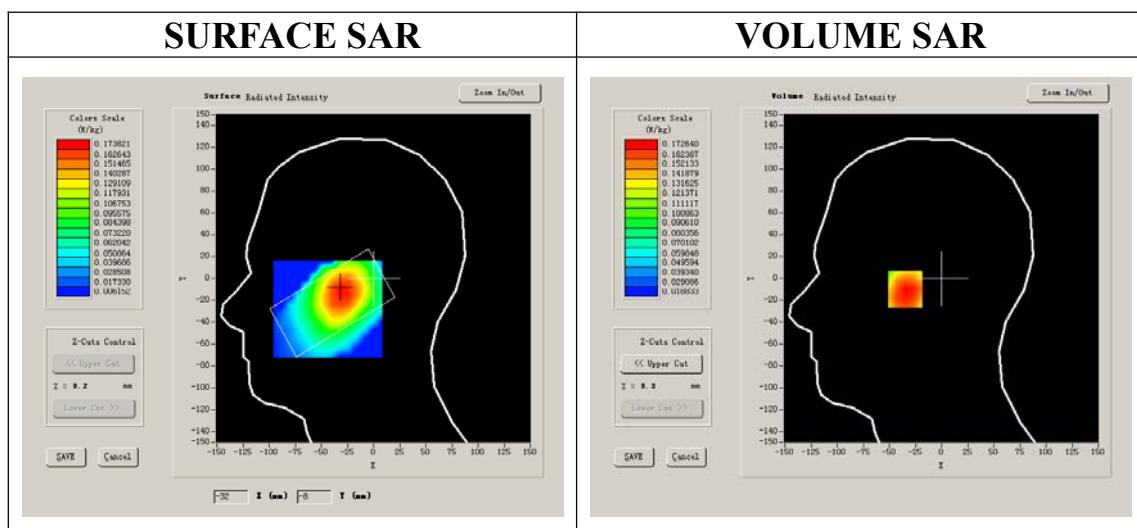
## A. Experimental conditions.

<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	GSM1900
<b>Channels</b>	High
<b>Signal</b>	GSM

## B. SAR Measurement Results

Higher Band SAR (Channel 810):

<b>Frequency (MHz)</b>	1909.800000
<b>Relative permittivity (real part)</b>	41.163616
<b>Relative permittivity</b>	15.070000
<b>Conductivity (S/m)</b>	1.428963
<b>Power drift(%)</b>	-0.620000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.136,34.843,38.721
<b>Crest factor:</b>	1:8



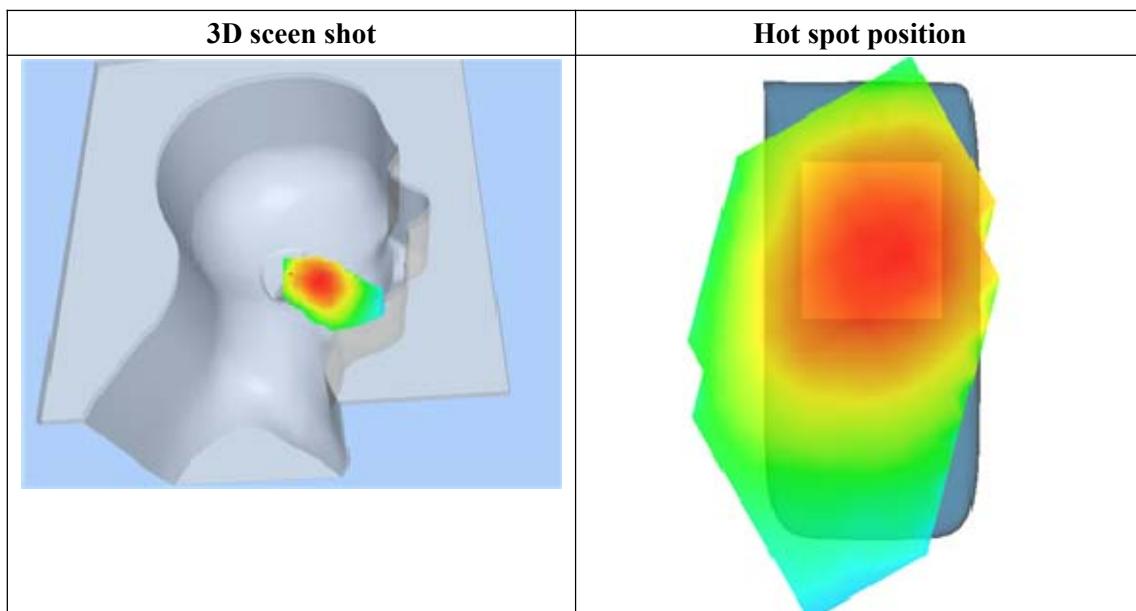
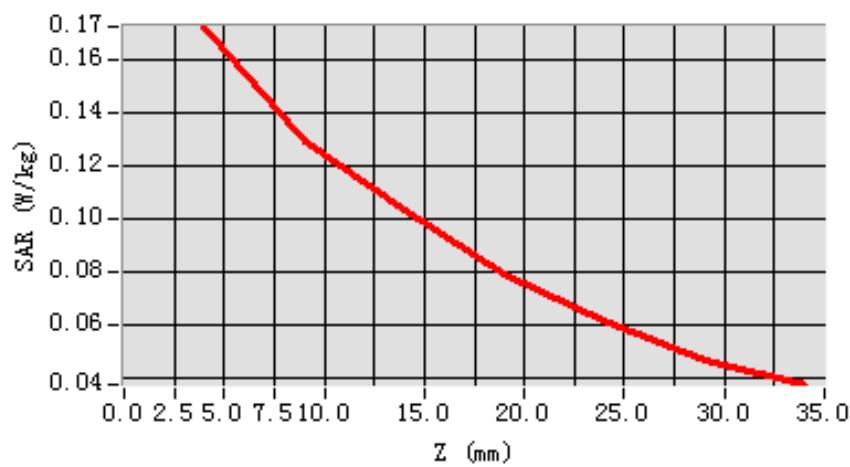
**Maximum location: X=-31.00, Y=-10.00**

<b>SAR 10g (W/Kg)</b>	0.122188
<b>SAR 1g (W/Kg)</b>	0.168135

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.1726	0.1296	0.1036	0.0794	0.0617	0.0464

**SAR, Z Axis Scan (X = -31, Y = -10)**



# MEASUREMENT 17

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 8 seconds

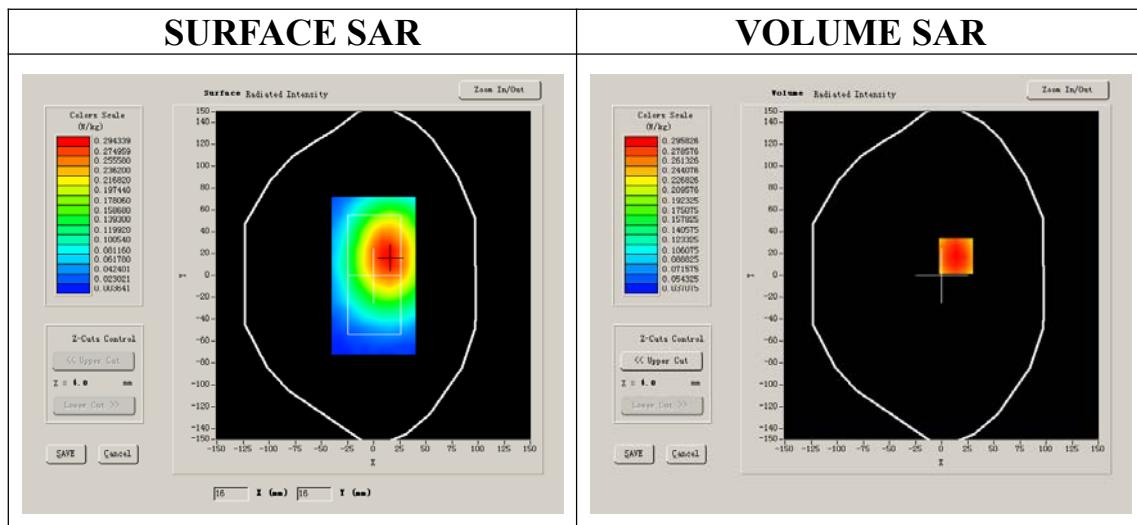
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM1900
<b>Channels</b>	High
<b>Signal</b>	GSM

## B. SAR Measurement Results

Higher Band SAR (Channel 810):

<b>Frequency (MHz)</b>	1909.800000
<b>Relative permittivity (real part)</b>	52.123732
<b>Relative permittivity</b>	14.070000
<b>Conductivity (S/m)</b>	1.476213
<b>Power drift(%)</b>	-0.480000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.625,34.773,38.535
<b>Crest factor:</b>	1:8



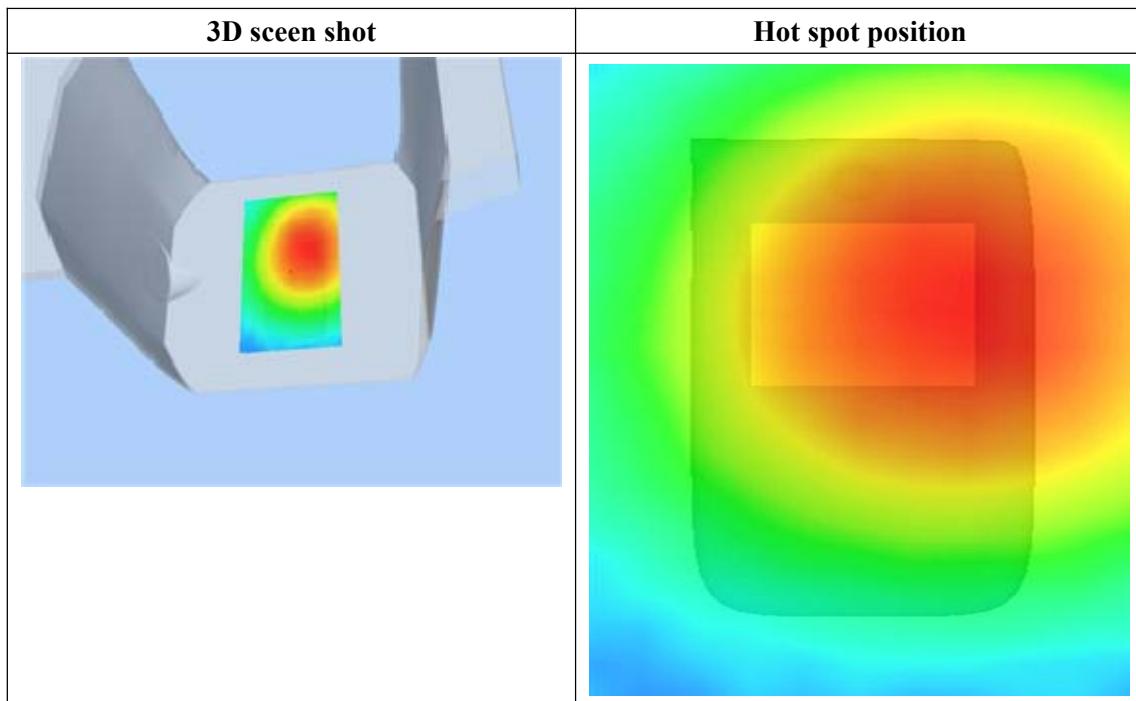
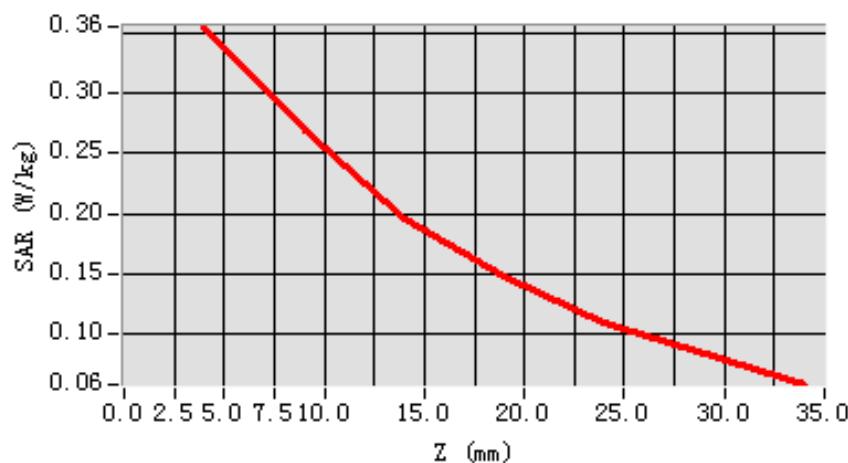
**Maximum location: X=14.00, Y=18.00**

<b>SAR 10g (W/Kg)</b>	0.246336
<b>SAR 1g (W/Kg)</b>	0.341919

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.3550	0.2690	0.1960	0.1483	0.1101	0.0832

**SAR, Z Axis Scan (X = 14, Y = 18)**



# MEASUREMENT 18

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 9 seconds

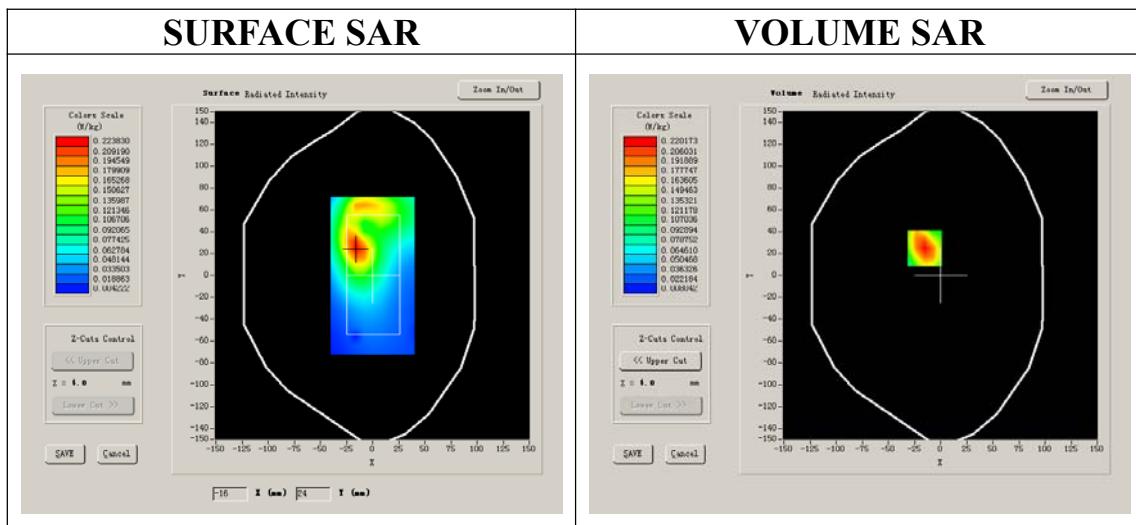
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM1900
<b>Channels</b>	High
<b>Signal</b>	GSM

## B. SAR Measurement Results

Higher Band SAR (Channel 810):

<b>Frequency (MHz)</b>	1909.800000
<b>Relative permittivity (real part)</b>	52.123732
<b>Relative permittivity</b>	14.070000
<b>Conductivity (S/m)</b>	1.476213
<b>Power drift(%)</b>	-0.240000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.625,34.773,38.535
<b>Crest factor:</b>	1:8



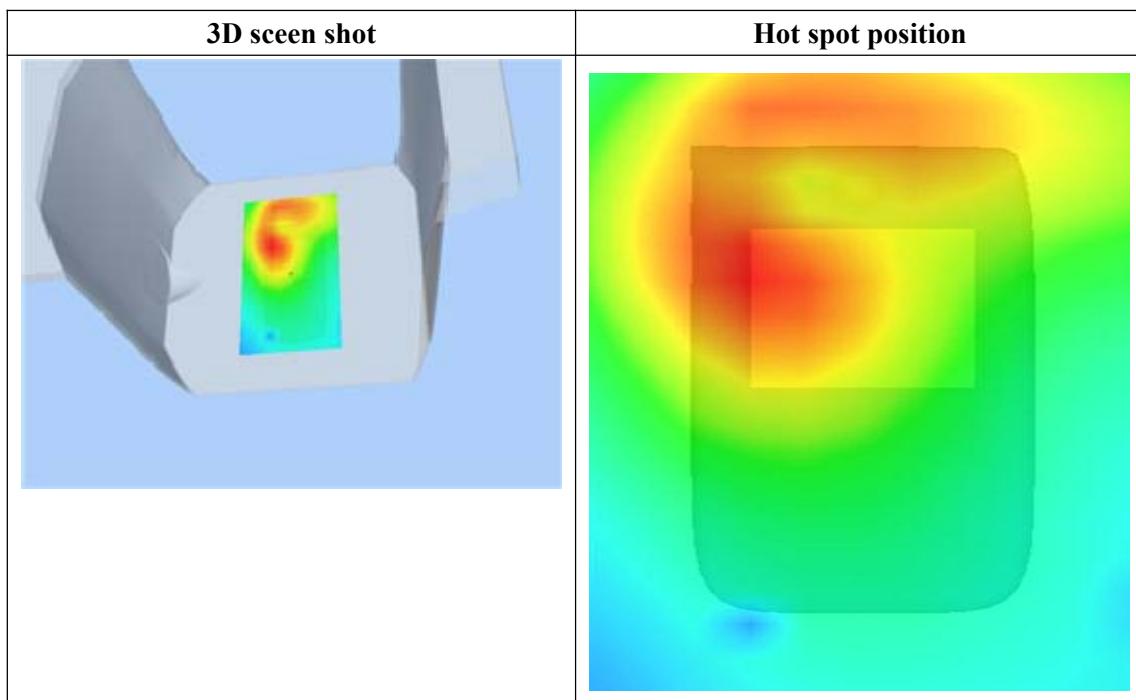
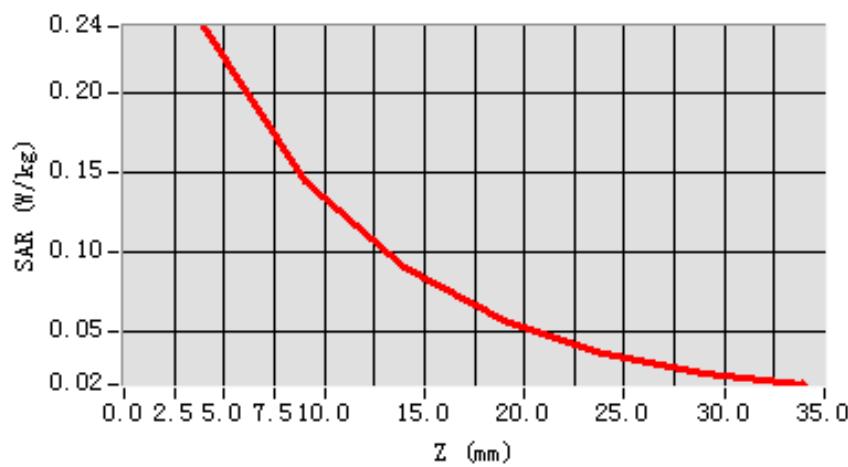
**Maximum location: X=-15.00, Y=25.00**

<b>SAR 10g (W/Kg)</b>	0.136551
<b>SAR 1g (W/Kg)</b>	0.229244

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.2417	0.1450	0.0905	0.0568	0.0368	0.0243

**SAR, Z Axis Scan (X = -15, Y = 25)**



# MEASUREMENT 19

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 8 seconds

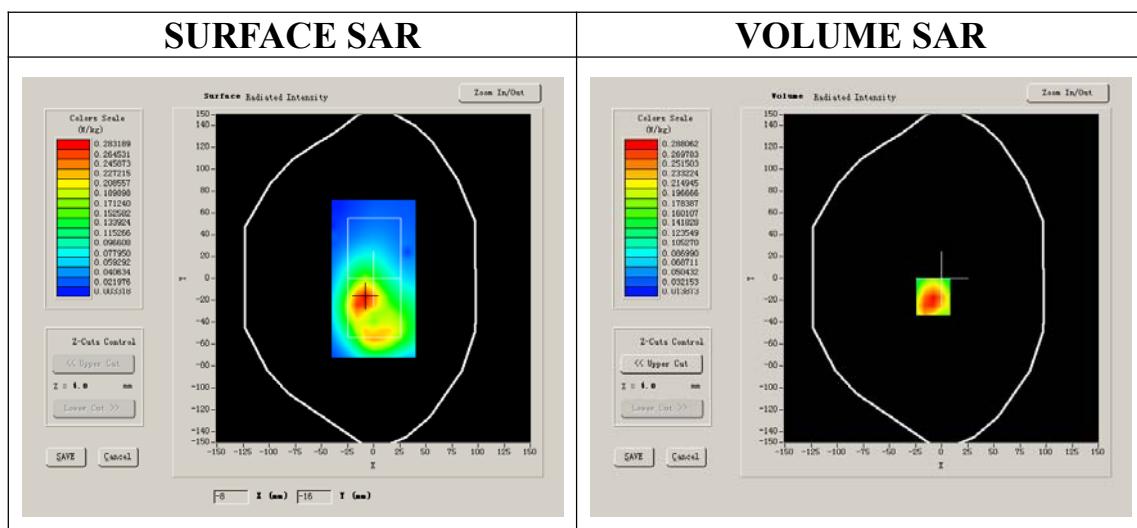
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM1900
<b>Channels</b>	High (2 up)
<b>Signal</b>	GPRS

## B. SAR Measurement Results

Higher Band SAR (Channel 810):

<b>Frequency (MHz)</b>	1909.800000
<b>Relative permittivity (real part)</b>	52.123732
<b>Relative permittivity</b>	14.070000
<b>Conductivity (S/m)</b>	1.476213
<b>Power drift(%)</b>	-1.500000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.625,34.773,38.535
<b>Crest factor:</b>	1:4



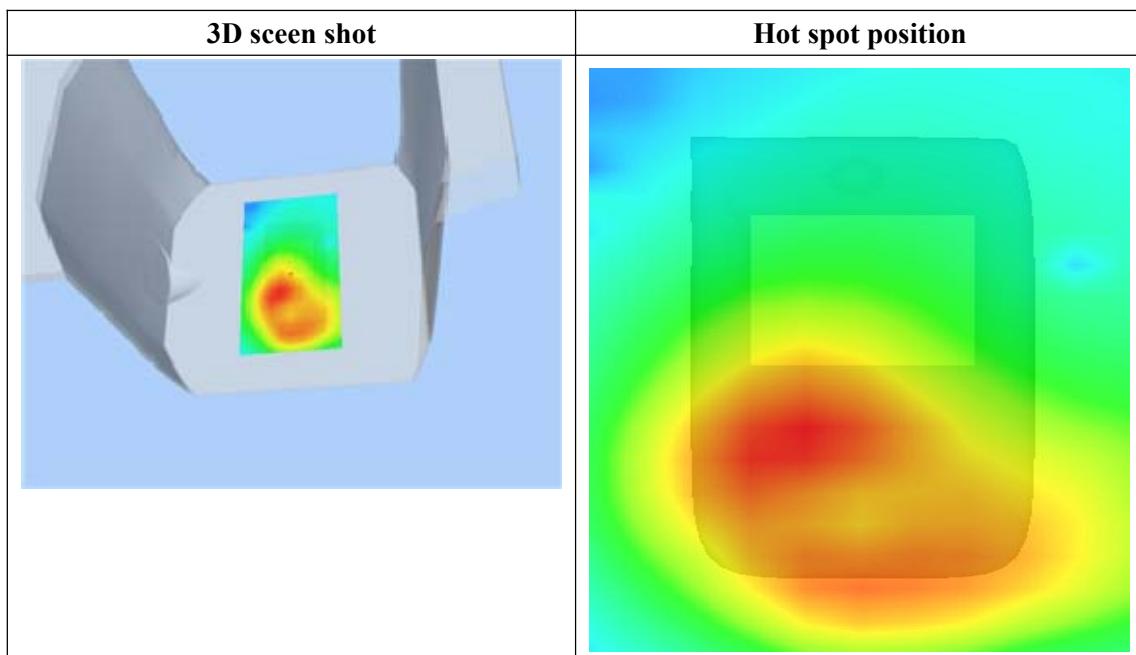
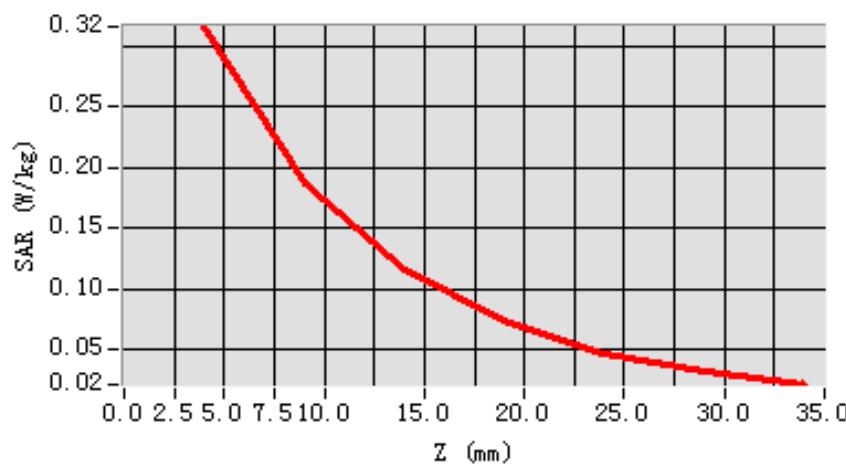
**Maximum location: X=-8.00, Y=-17.00**

<b>SAR 10g (W/Kg)</b>	0.177852
<b>SAR 1g (W/Kg)</b>	0.305398

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.3162	0.1867	0.1154	0.0733	0.0470	0.0314

**SAR, Z Axis Scan (X = -8, Y = -17)**



# MEASUREMENT 20

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 8 seconds

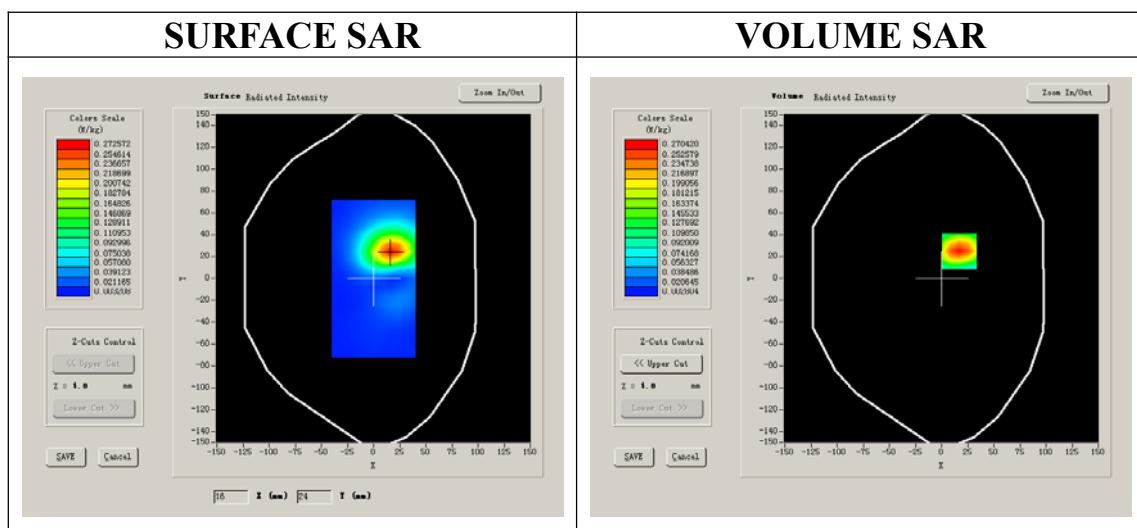
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM1900
<b>Channels</b>	High (2 up)
<b>Signal</b>	GPRS

## B. SAR Measurement Results

Higher Band SAR (Channel 810):

<b>Frequency (MHz)</b>	1909.800000
<b>Relative permittivity (real part)</b>	52.123732
<b>Relative permittivity</b>	14.070000
<b>Conductivity (S/m)</b>	1.476213
<b>Power drift(%)</b>	-1.210000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.625,34.773,38.535
<b>Crest factor:</b>	1:4



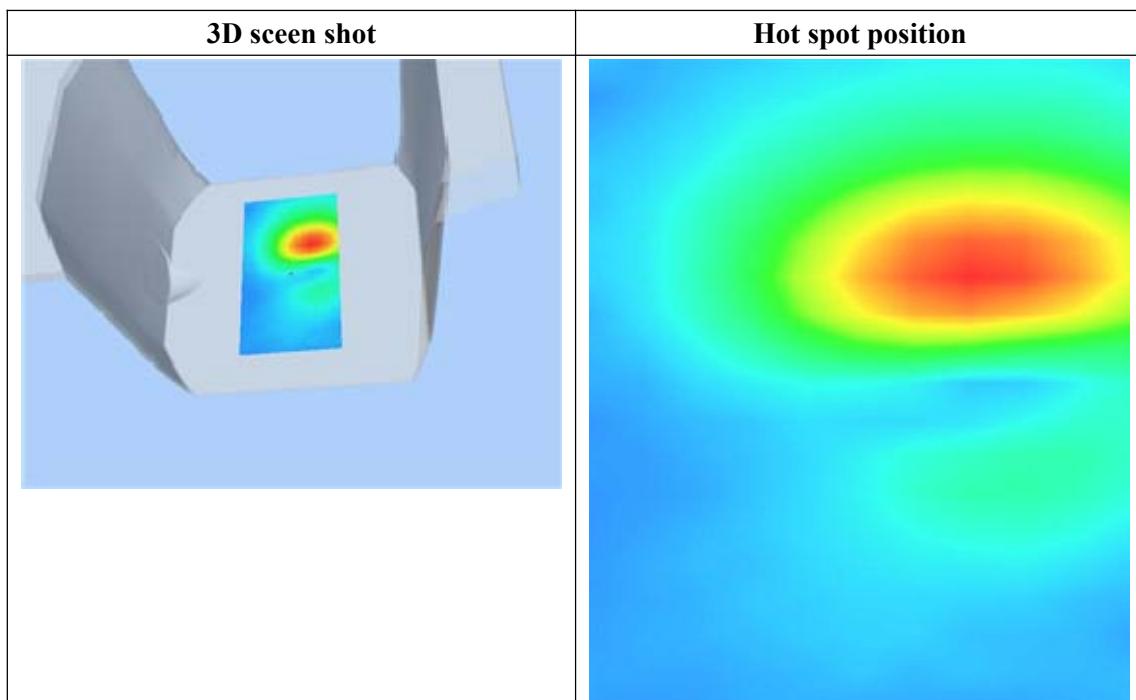
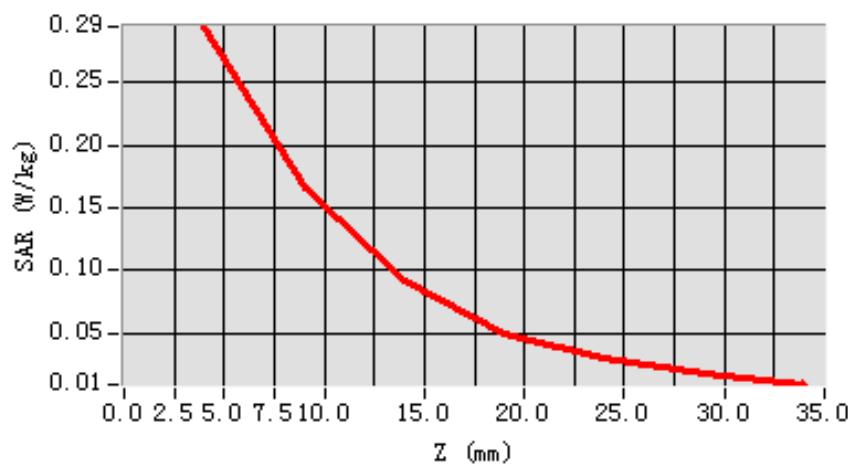
**Maximum location: X= X=17.00, Y=25.00**

SAR 10g (W/Kg)	0.150628
SAR 1g (W/Kg)	0.276069

**Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.2945	0.1663	0.0920	0.0500	0.0292	0.0178

**SAR, Z Axis Scan (X = 17, Y = 25)**



# MEASUREMENT 21

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 8 seconds

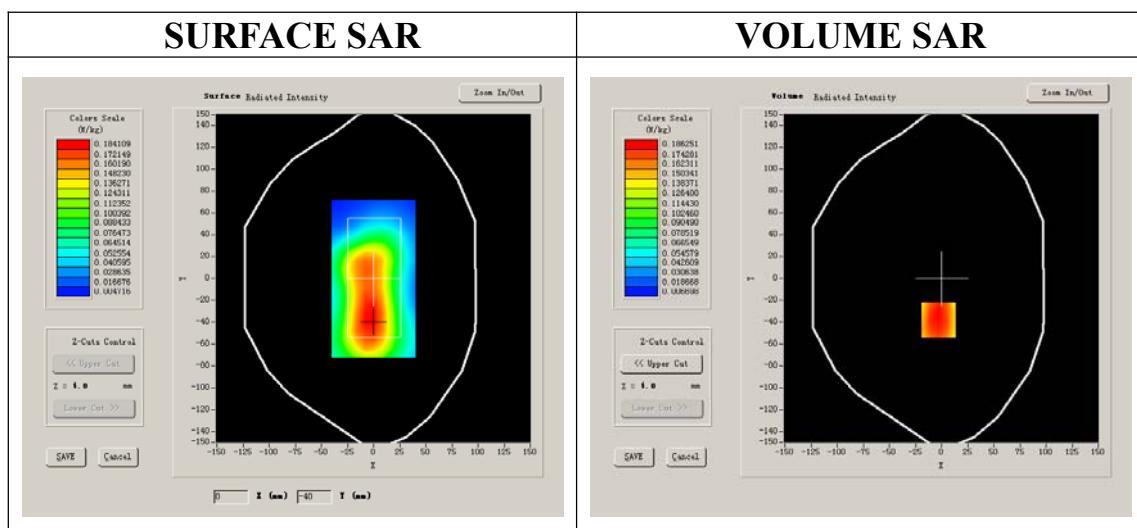
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM1900
<b>Channels</b>	High (2 up)
<b>Signal</b>	GPRS

## B. SAR Measurement Results

Higher Band SAR (Channel 810):

<b>Frequency (MHz)</b>	1909.800000
<b>Relative permittivity (real part)</b>	52.123732
<b>Relative permittivity</b>	14.070000
<b>Conductivity (S/m)</b>	1.476213
<b>Power drift(%)</b>	-1.430000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.625,34.773,38.535
<b>Crest factor:</b>	1:4



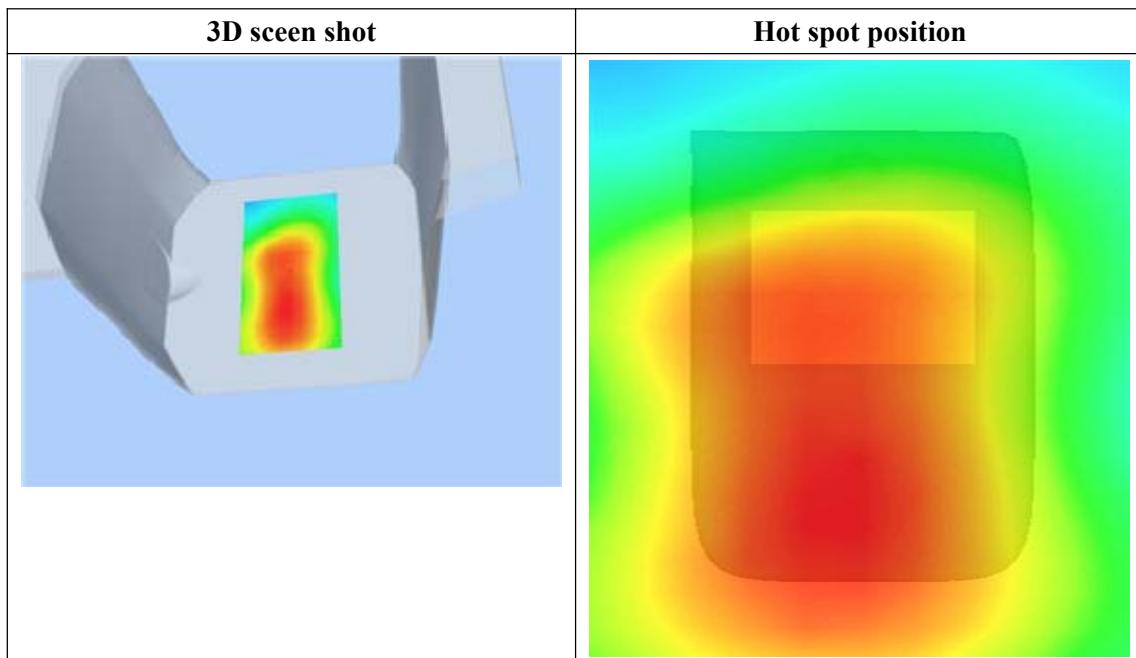
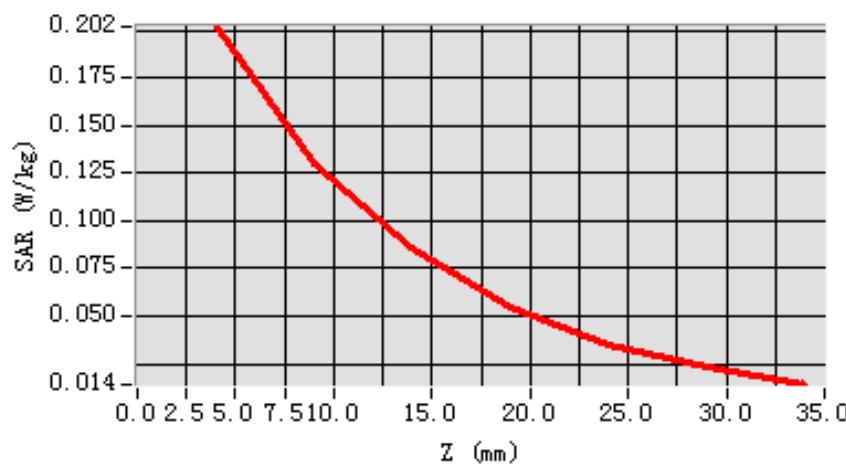
**Maximum location: X=-3.00, Y=-38.00**

SAR 10g (W/Kg)	0.125605
SAR 1g (W/Kg)	0.195618

**Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.2019	0.1305	0.0860	0.0551	0.0354	0.0231

**SAR, Z Axis Scan (X = -3, Y = -38)**



## MEASUREMENT 22

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 9 seconds

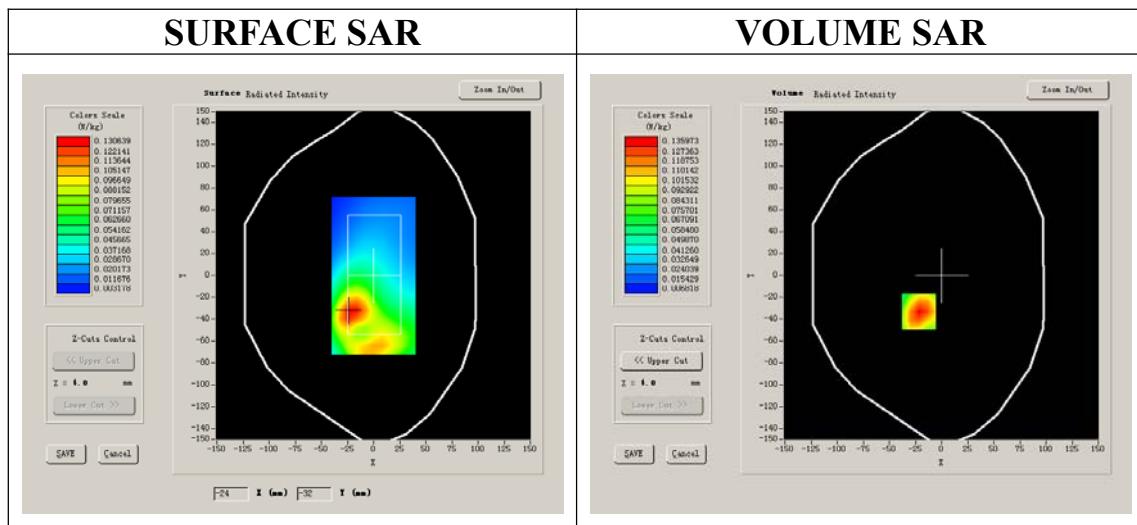
### A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM1900
<b>Channels</b>	High (2 up)
<b>Signal</b>	GPRS

### B. SAR Measurement Results

Higher Band SAR (Channel 810):

<b>Frequency (MHz)</b>	1909.800000
<b>Relative permittivity (real part)</b>	52.123732
<b>Relative permittivity</b>	14.070000
<b>Conductivity (S/m)</b>	1.476213
<b>Power drift(%)</b>	-0.930000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.625,34.773,38.535
<b>Crest factor:</b>	1:4



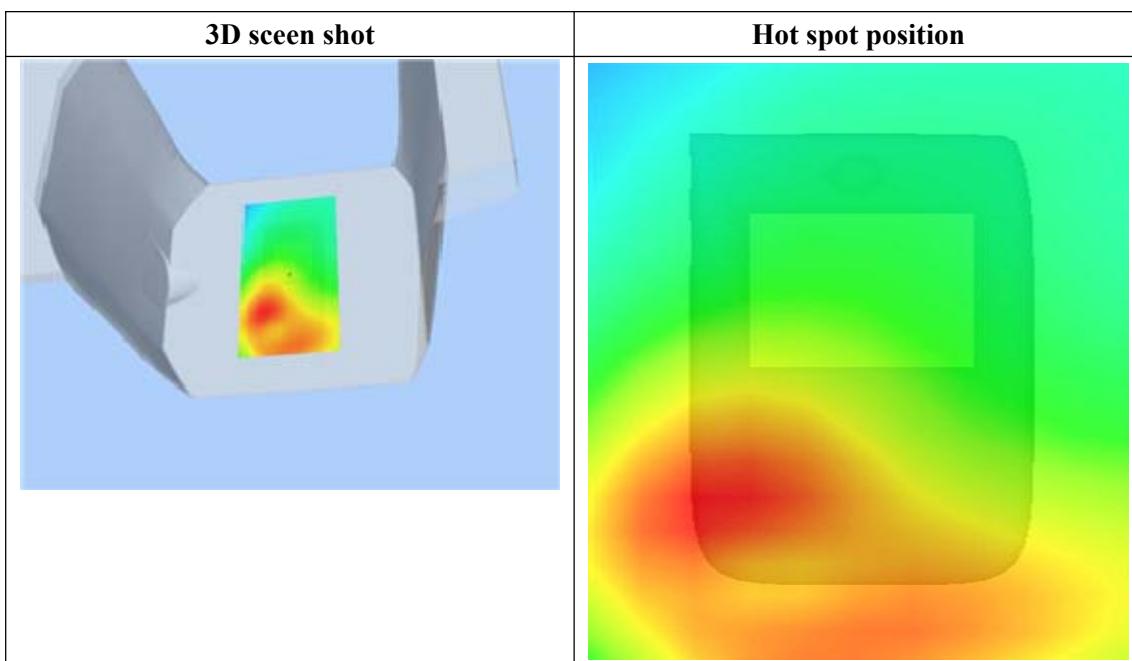
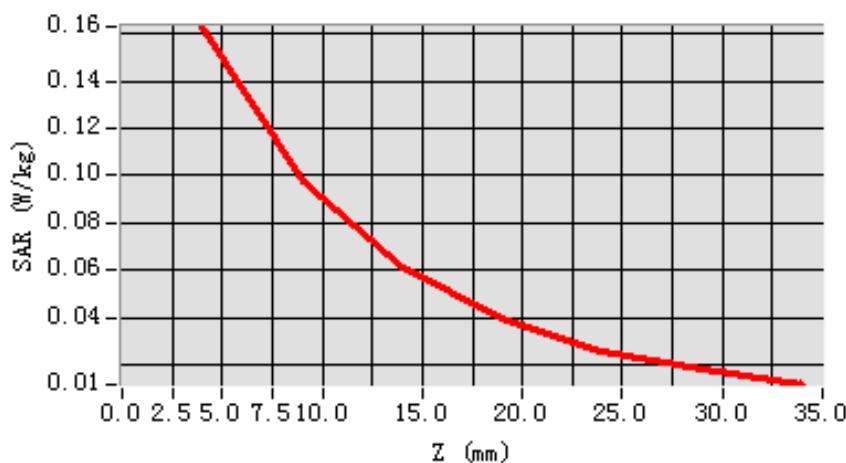
**Maximum location: X=-22.00, Y=-33.00**

SAR 10g (W/Kg)	0.093804
SAR 1g (W/Kg)	0.155393

**Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.1632	0.0973	0.0610	0.0391	0.0258	0.0176

**SAR, Z Axis Scan (X = -22, Y = -33)**



## MEASUREMENT 23

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 9 seconds

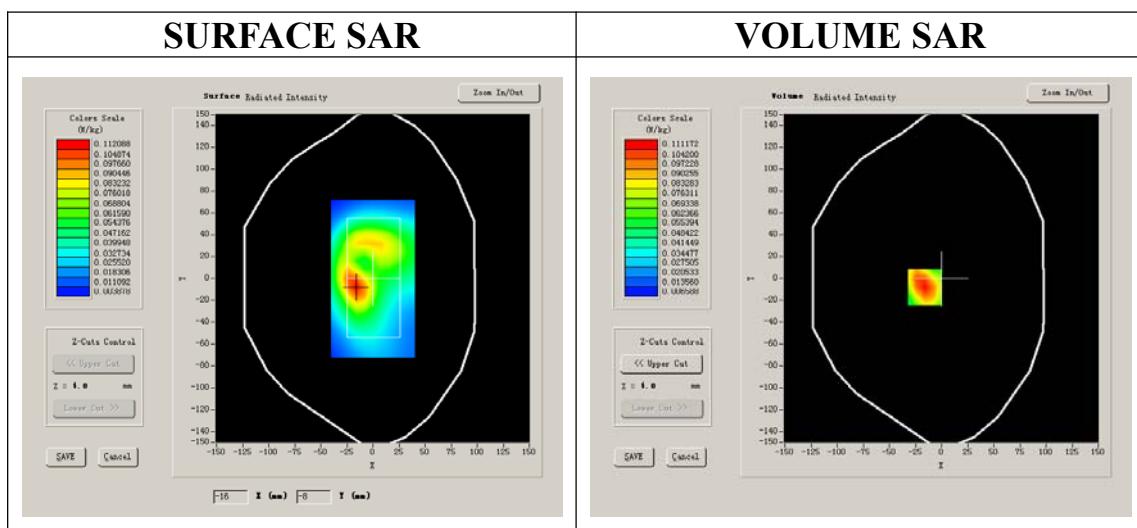
### A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM1900
<b>Channels</b>	High (2 up)
<b>Signal</b>	GPRS

### B. SAR Measurement Results

Higher Band SAR (Channel 810):

<b>Frequency (MHz)</b>	1909.800000
<b>Relative permittivity (real part)</b>	52.123732
<b>Relative permittivity</b>	14.070000
<b>Conductivity (S/m)</b>	1.476213
<b>Power drift(%)</b>	-1.480000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.625,34.773,38.535
<b>Crest factor:</b>	1:4



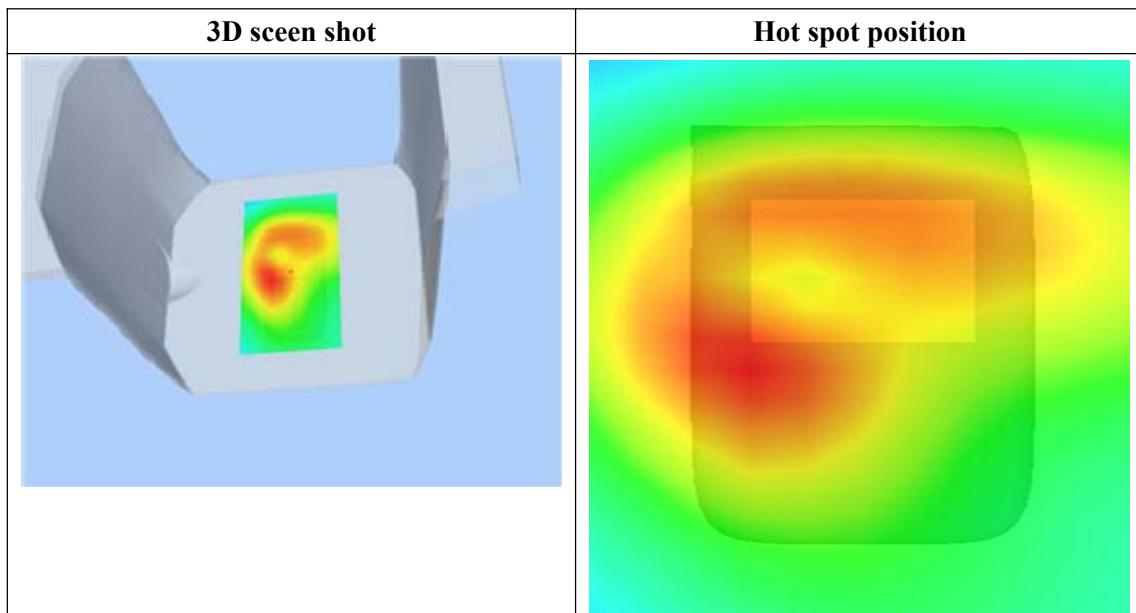
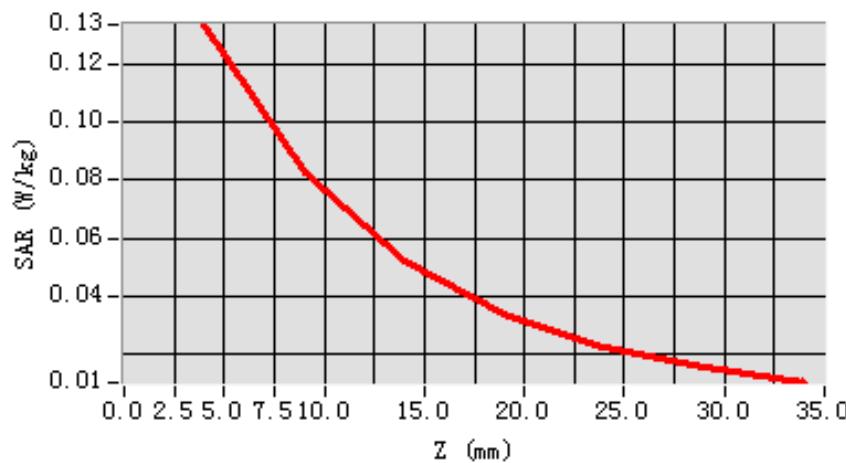
**Maximum location: X=-16.00, Y=-8.00**

SAR 10g (W/Kg)	0.077566
SAR 1g (W/Kg)	0.127409

**Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.1334	0.0825	0.0525	0.0340	0.0226	0.0153

**SAR, Z Axis Scan (X = -16, Y = -8)**



## MEASUREMENT 24

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 8 seconds

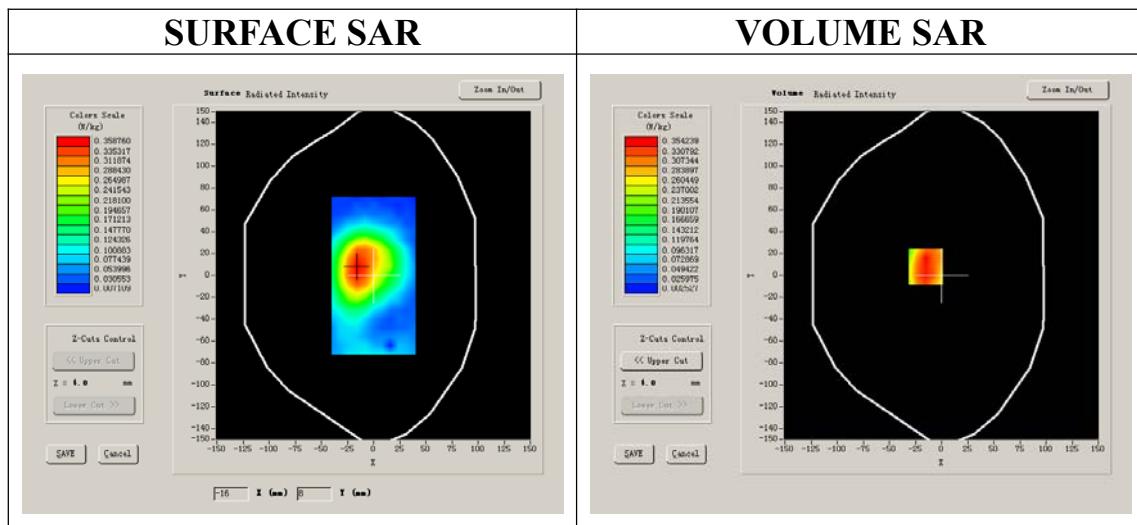
### A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM1900
<b>Channels</b>	High
<b>Signal</b>	EDGE

### B. SAR Measurement Results

Higher Band SAR (Channel 810):

<b>Frequency (MHz)</b>	1909.800000
<b>Relative permittivity (real part)</b>	52.123732
<b>Relative permittivity</b>	14.070000
<b>Conductivity (S/m)</b>	1.476213
<b>Power drift(%)</b>	-0.810000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.625,34.773,38.535
<b>Crest factor:</b>	1:2



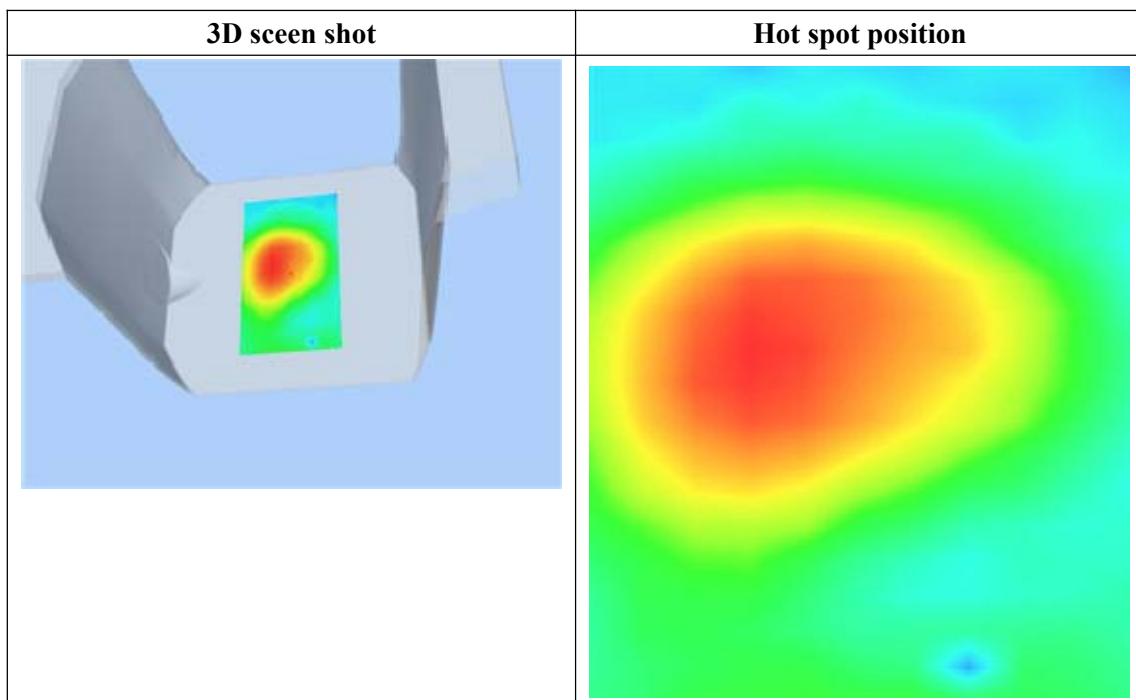
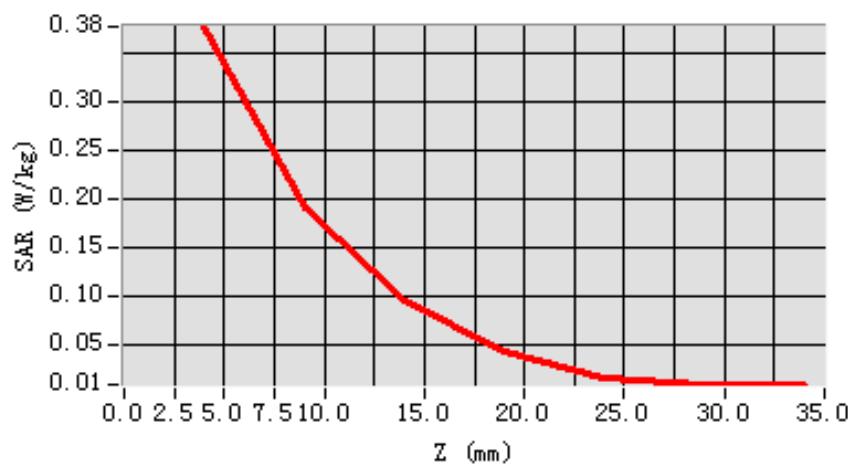
**Maximum location: X=-15.00, Y=8.00**

SAR 10g (W/Kg)	0.199144
SAR 1g (W/Kg)	0.366578

**Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.3769	0.1912	0.0952	0.0445	0.0170	0.0102

**SAR, Z Axis Scan (X = -15, Y = 8)**



# MEASUREMENT 25

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 7 minutes 59 seconds

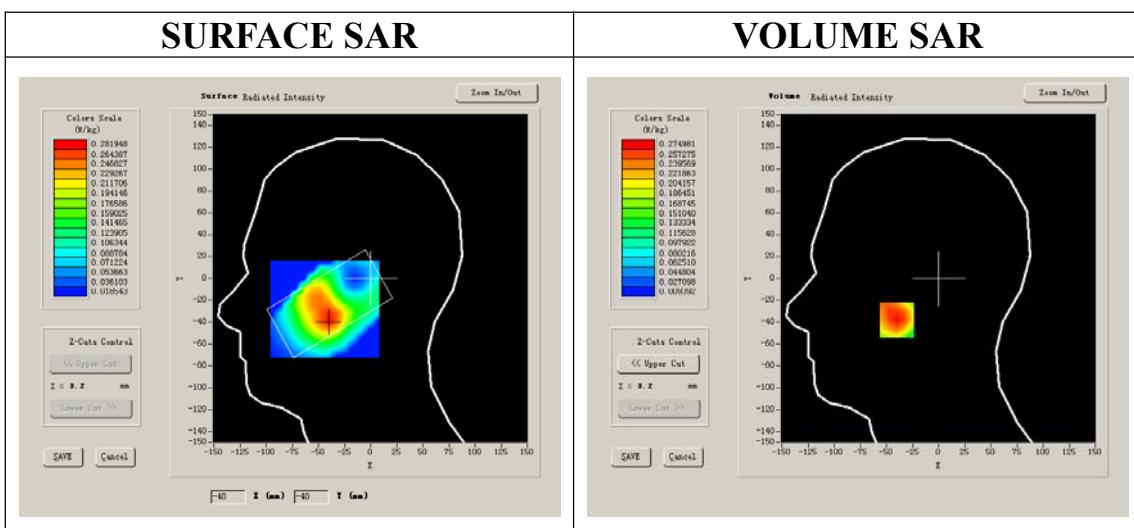
## A. Experimental conditions.

<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	WCDMA850
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 4175):

<b>Frequency (MHz)</b>	835.000000
<b>Relative permittivity (real part)</b>	41.254173
<b>Relative permittivity</b>	19.120001
<b>Conductivity (S/m)</b>	0.903135
<b>Power drift (%)</b>	0.450000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.479, 25.214, 27.196
<b>Crest factor:</b>	1:1



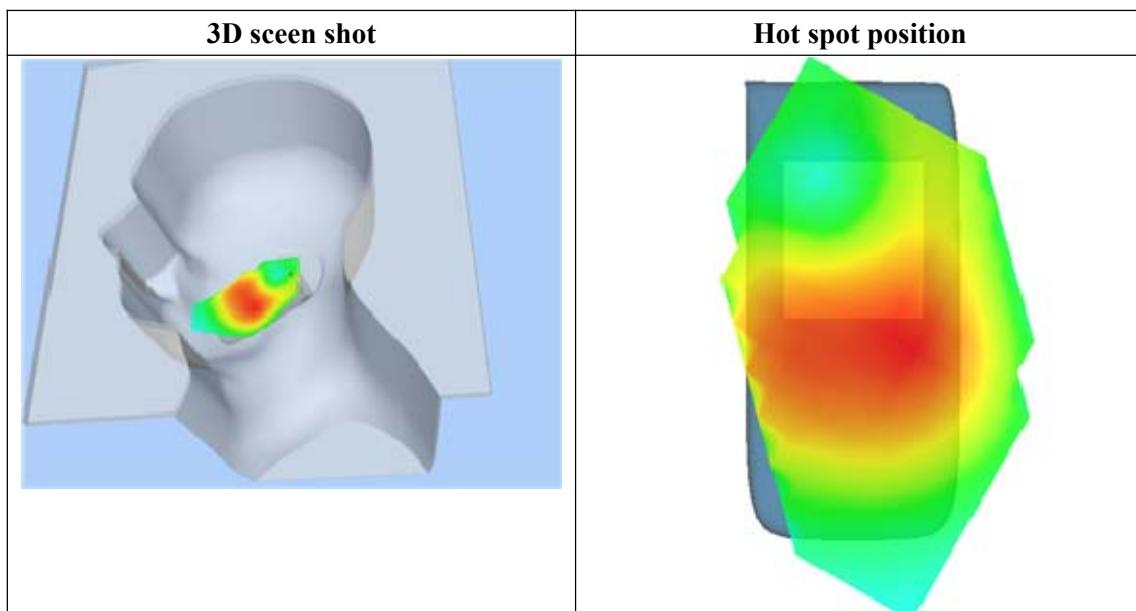
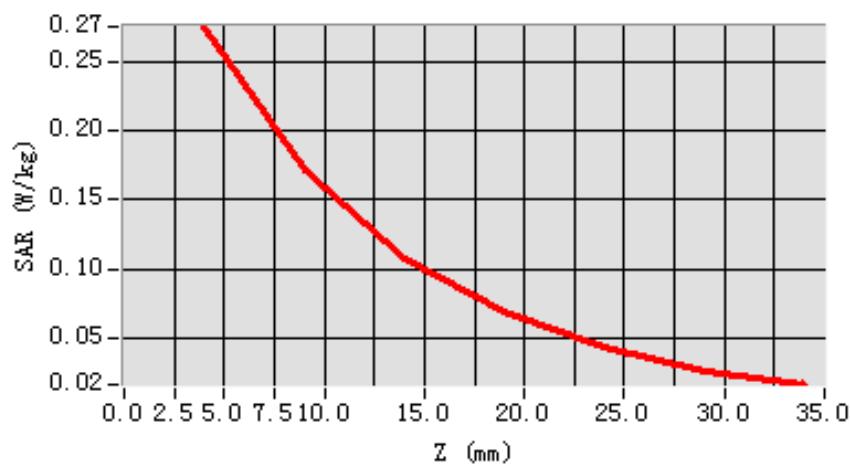
**Maximum location: X=-40.00, Y=-38.00**

<b>SAR 10g (W/Kg)</b>	0.161214
<b>SAR 1g (W/Kg)</b>	0.262385

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.2750	0.1715	0.1071	0.0688	0.0430	0.0267

**SAR, Z Axis Scan (X = -40, Y = -38)**



# MEASUREMENT 26

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 7 minutes 41 seconds

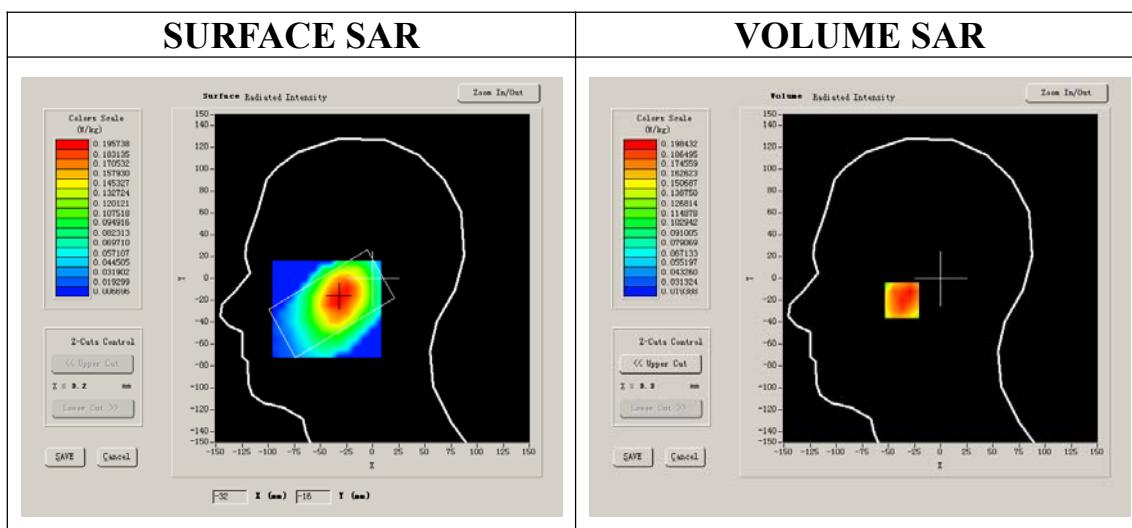
## A. Experimental conditions.

<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Right head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA850
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 4175):

<b>Frequency (MHz)</b>	835.000000
<b>Relative permittivity (real part)</b>	41.254173
<b>Relative permittivity</b>	19.120001
<b>Conductivity (S/m)</b>	0.903135
<b>Power drift (%)</b>	0.020000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.479, 25.214, 27.196
<b>Crest factor:</b>	1:1



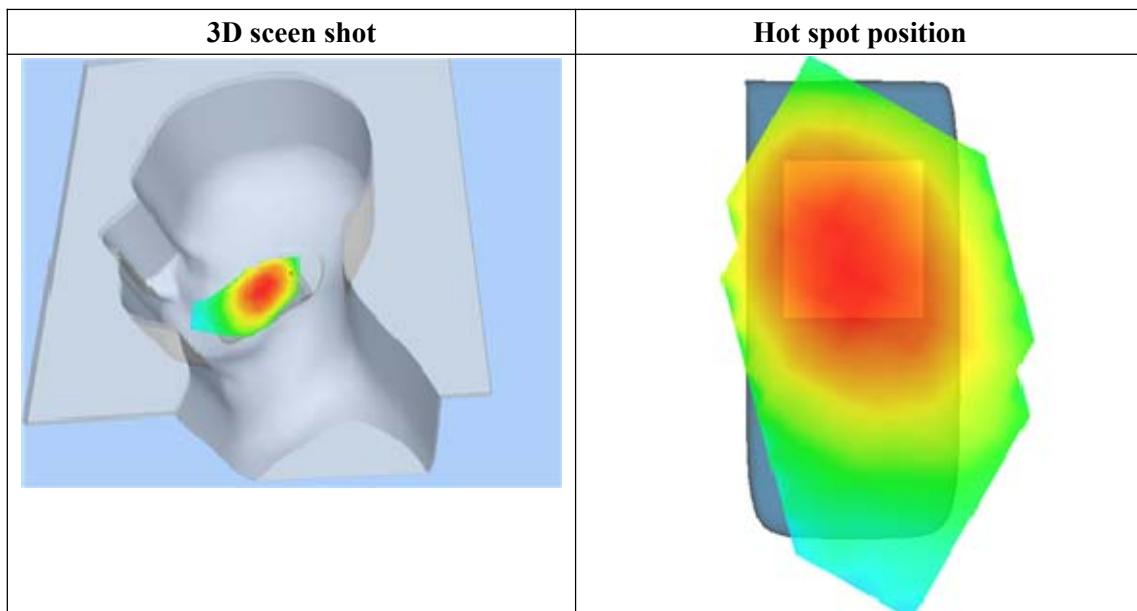
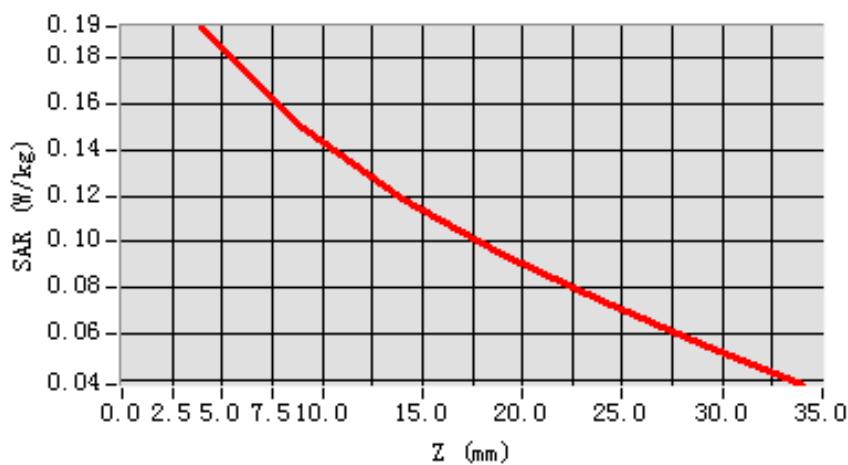
**Maximum location: X=-33.00, Y=-20.00**

<b>SAR 10g (W/Kg)</b>	0.137990
<b>SAR 1g (W/Kg)</b>	0.189764

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.1939	0.1492	0.1187	0.0943	0.0741	0.0546

**SAR, Z Axis Scan (X = -33, Y = -20)**



# MEASUREMENT 27

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 7 minutes 53 seconds

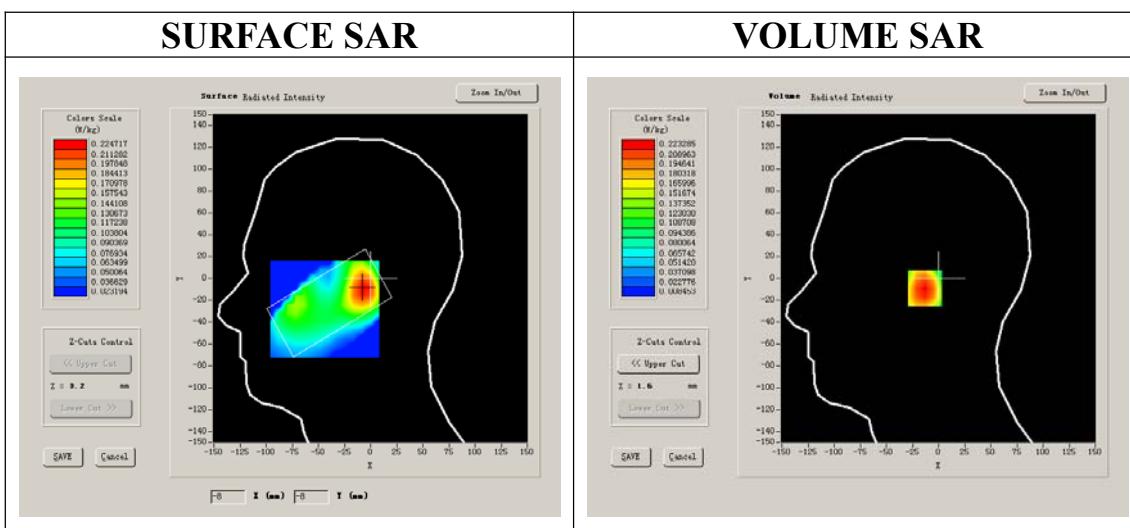
## A. Experimental conditions.

<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	WCDMA850
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 4175):

<b>Frequency (MHz)</b>	835.000000
<b>Relative permittivity (real part)</b>	41.254173
<b>Relative permittivity</b>	19.120001
<b>Conductivity (S/m)</b>	0.903135
<b>Power drift (%)</b>	-0.500000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.479, 25.214, 27.196
<b>Crest factor:</b>	1:1



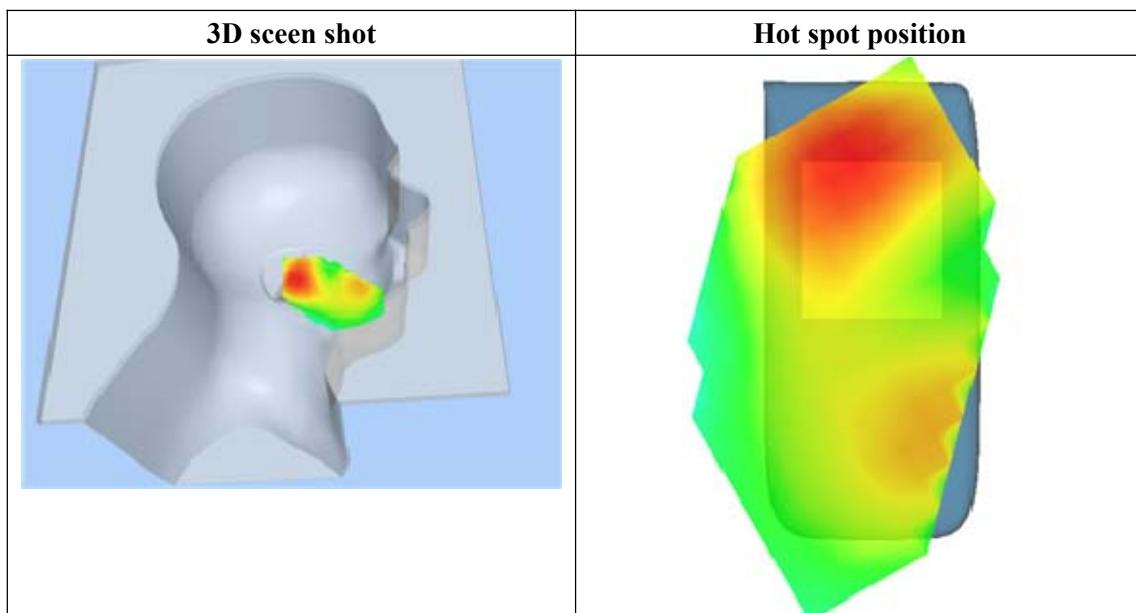
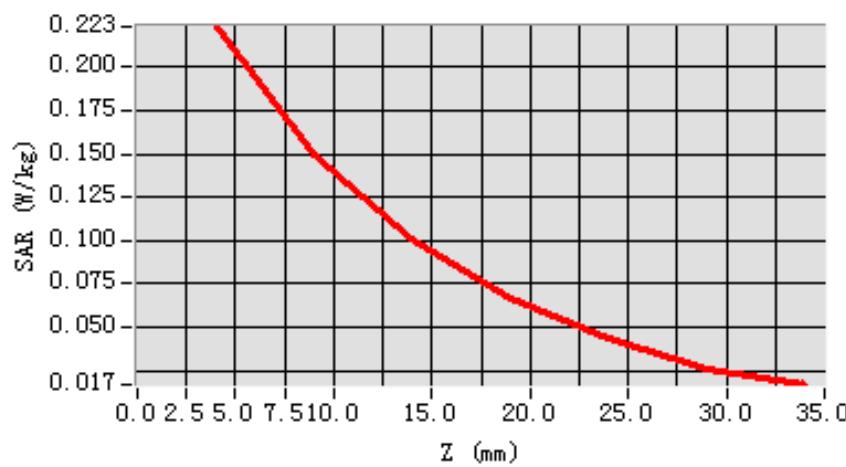
**Maximum location: X=-6.00, Y=-9.00**

<b>SAR 10g (W/Kg)</b>	0.135588
<b>SAR 1g (W/Kg)</b>	0.214723

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.2233	0.1500	0.1007	0.0670	0.0436	0.0260

**SAR, Z Axis Scan (X = -6, Y = -9)**



# MEASUREMENT 28

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 7 minutes 40 seconds

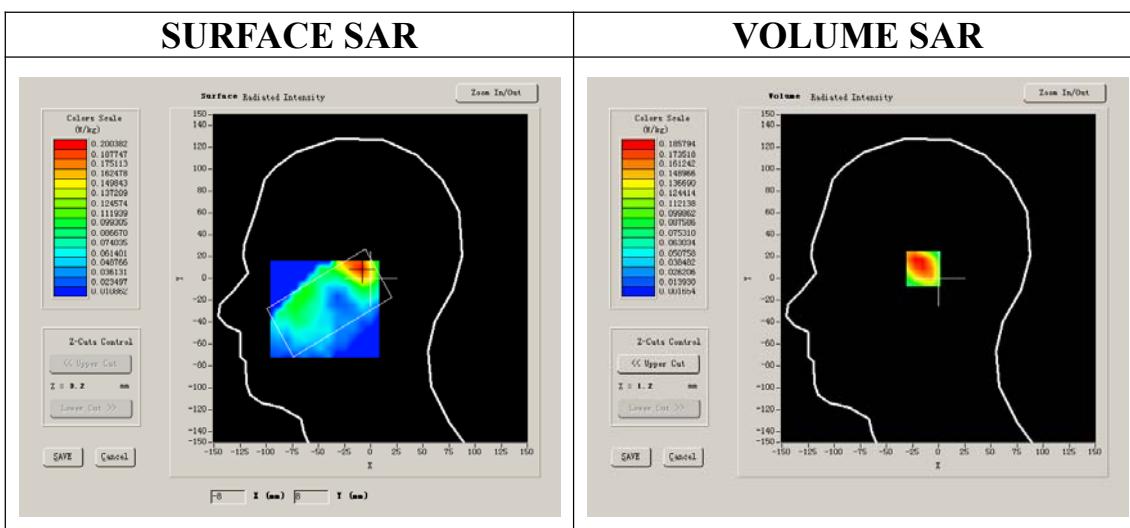
## A. Experimental conditions.

<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA850
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 4175):

<b>Frequency (MHz)</b>	835.000000
<b>Relative permittivity (real part)</b>	41.254173
<b>Relative permittivity</b>	19.120001
<b>Conductivity (S/m)</b>	0.903135
<b>Power drift (%)</b>	-0.380000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.479, 25.214, 27.196
<b>Crest factor:</b>	1:1



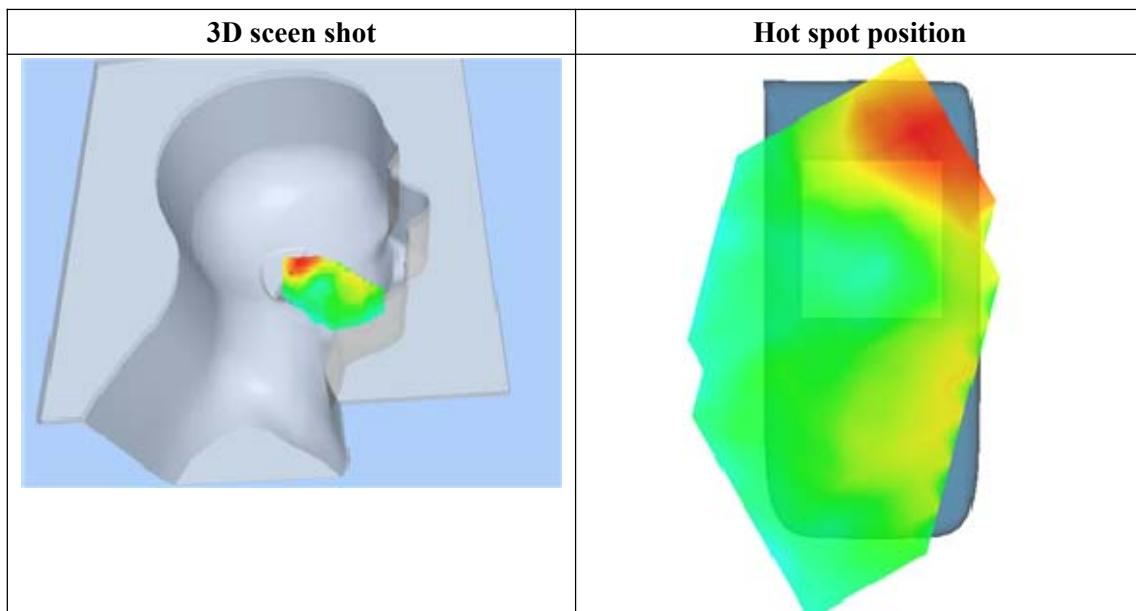
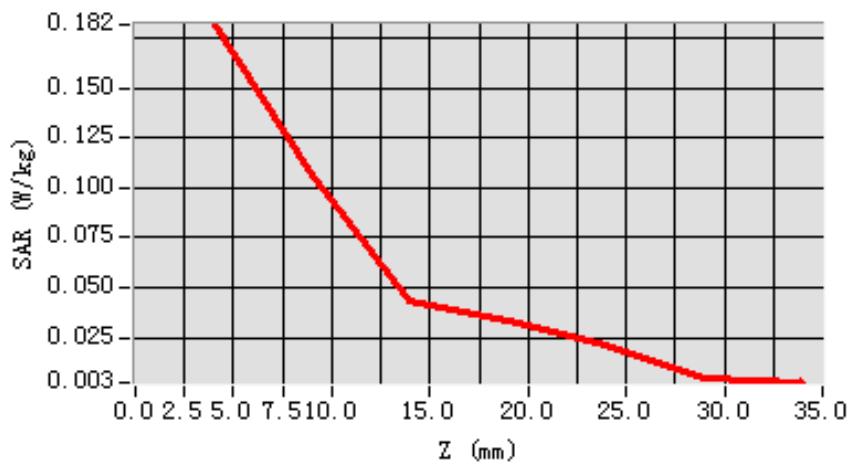
**Maximum location: X=-10.00, Y=9.00**

SAR 10g (W/Kg)	0.096773
SAR 1g (W/Kg)	0.181744

**Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.1817	0.1067	0.0432	0.0331	0.0210	0.0049

**SAR, Z Axis Scan (X = -10, Y = 9)**



# MEASUREMENT 29

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 15 seconds

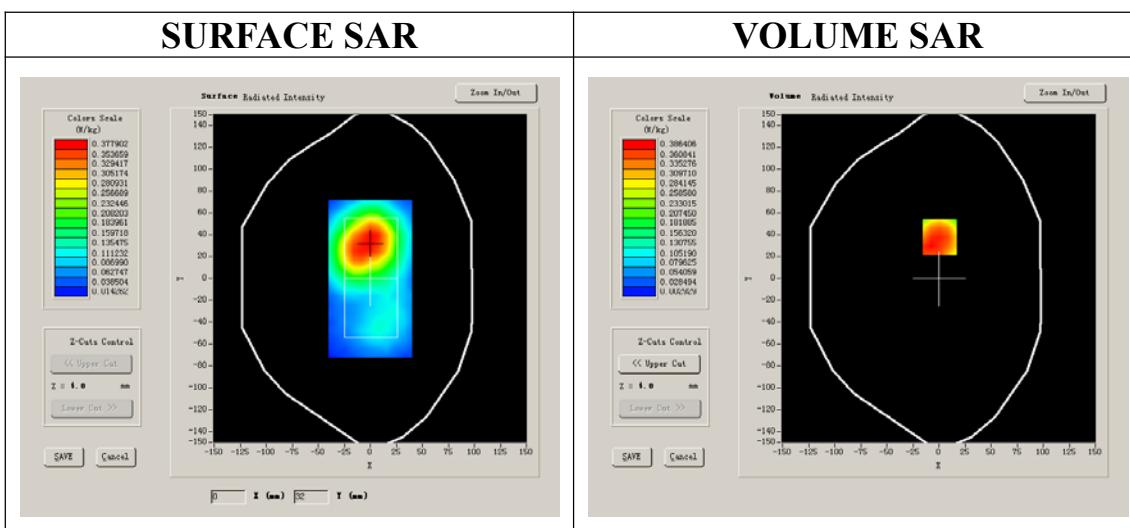
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA850
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 4175):

<b>Frequency (MHz)</b>	835.000000
<b>Relative permittivity (real part)</b>	54.283123
<b>Relative permittivity</b>	21.709999
<b>Conductivity (S/m)</b>	0.932714
<b>Power drift (%)</b>	-0.030000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.559, 25.681, 27.588
<b>Crest factor:</b>	1:1



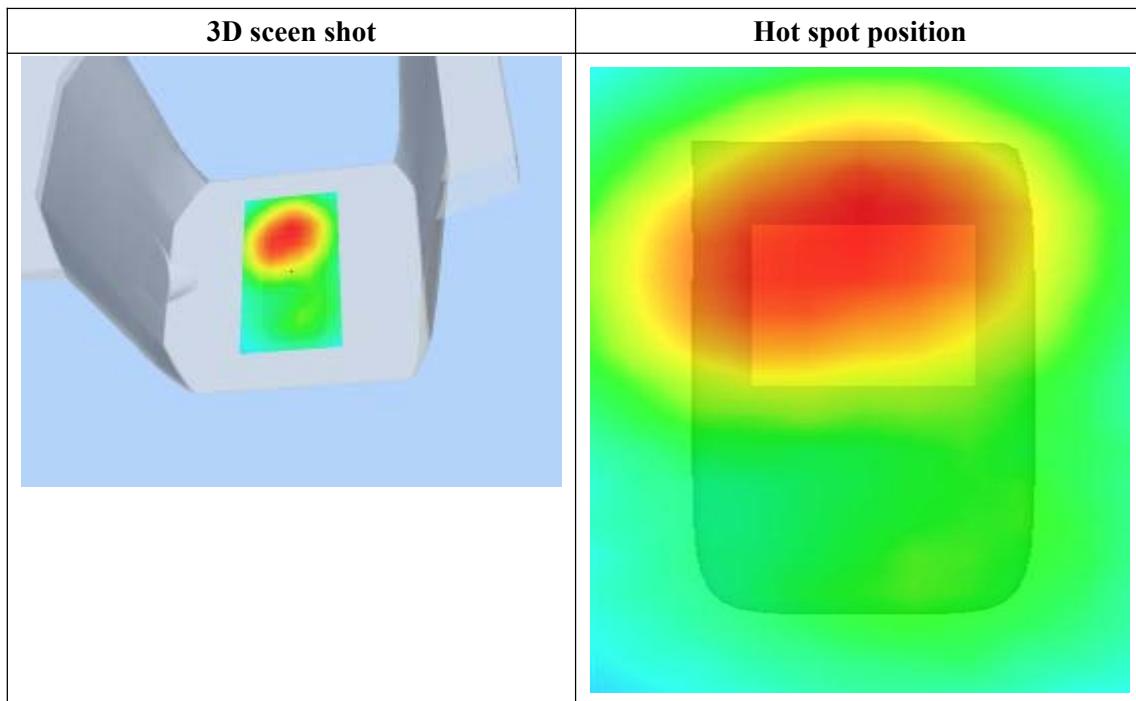
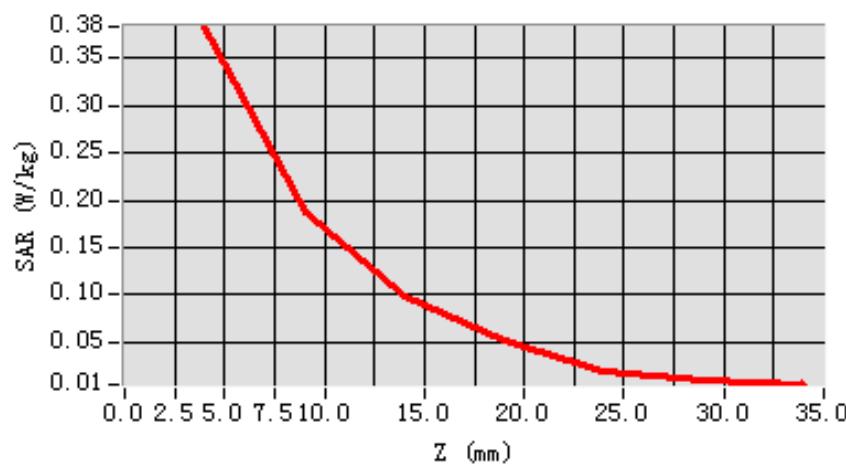
**Maximum location: X=1.00, Y=38.00**

<b>SAR 10g (W/Kg)</b>	0.208873
<b>SAR 1g (W/Kg)</b>	0.374165

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.3835	0.1870	0.0989	0.0513	0.0193	0.0104

**SAR, Z Axis Scan (X = 1, Y = 38)**



# MEASUREMENT 30

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 16 seconds

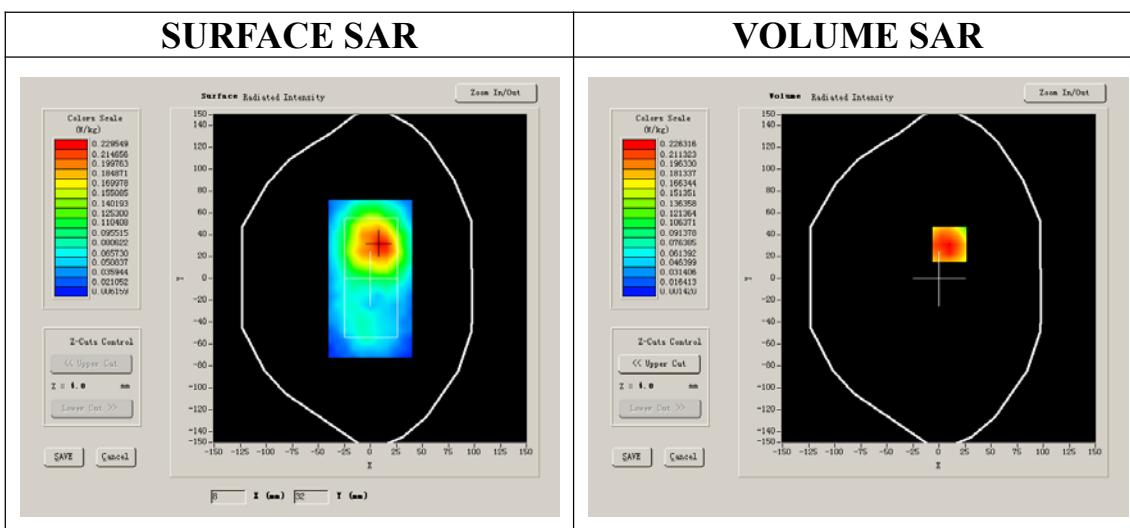
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA850
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 4175):

<b>Frequency (MHz)</b>	835.000000
<b>Relative permittivity (real part)</b>	54.283123
<b>Relative permittivity</b>	21.709999
<b>Conductivity (S/m)</b>	0.932714
<b>Power drift (%)</b>	-1.390000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.559, 25.681, 27.588
<b>Crest factor:</b>	1:1



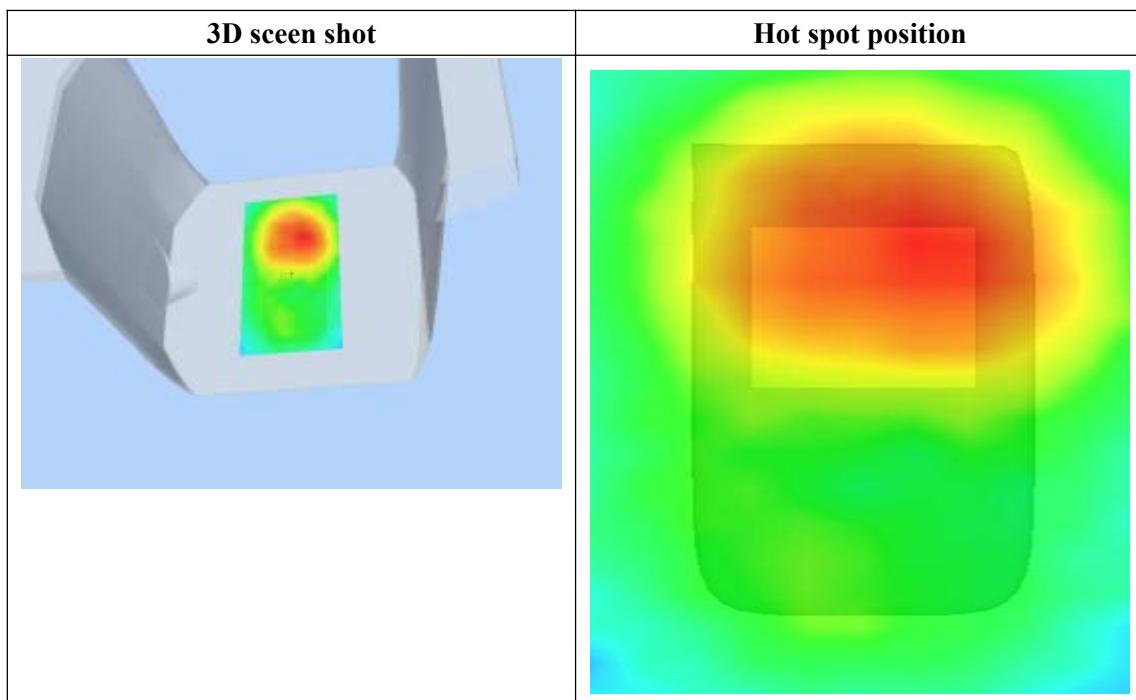
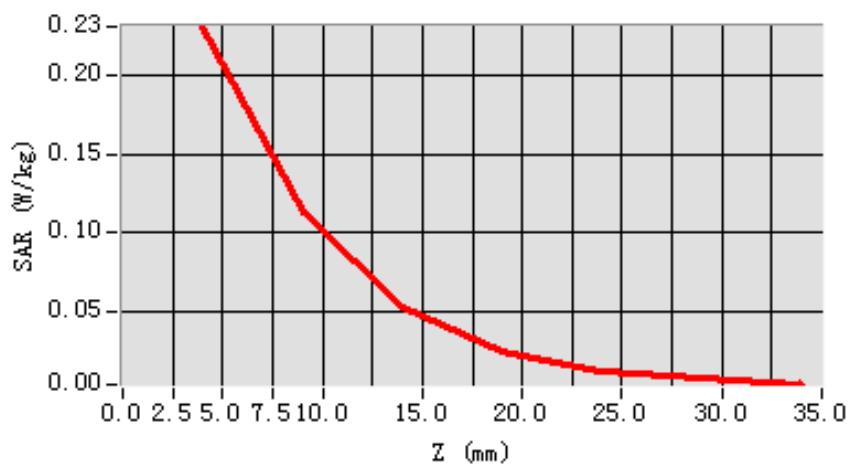
**Maximum location: X=10.00, Y=31.00**

<b>SAR 10g (W/Kg)</b>	0.119680
<b>SAR 1g (W/Kg)</b>	0.227116

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.2316	0.1126	0.0528	0.0237	0.0120	0.0068

**SAR, Z Axis Scan (X = 10, Y = 31)**



# MEASUREMENT 31

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 16 seconds

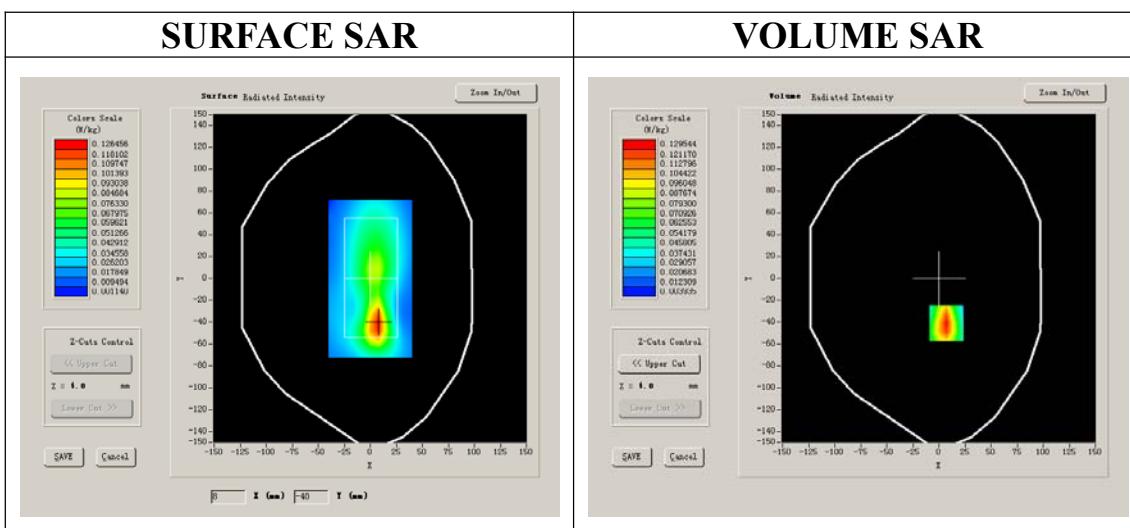
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA850
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 4175):

<b>Frequency (MHz)</b>	835.000000
<b>Relative permittivity (real part)</b>	54.283123
<b>Relative permittivity</b>	21.709999
<b>Conductivity (S/m)</b>	0.932714
<b>Power drift (%)</b>	-2.190000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.559, 25.681, 27.588
<b>Crest factor:</b>	1:1



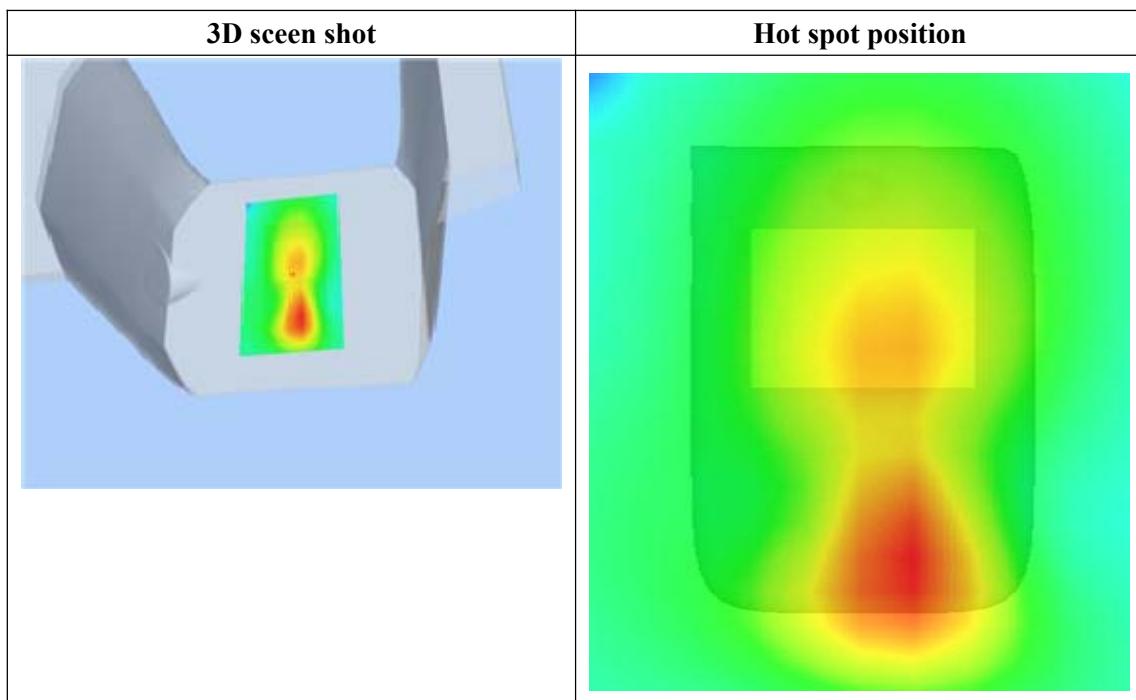
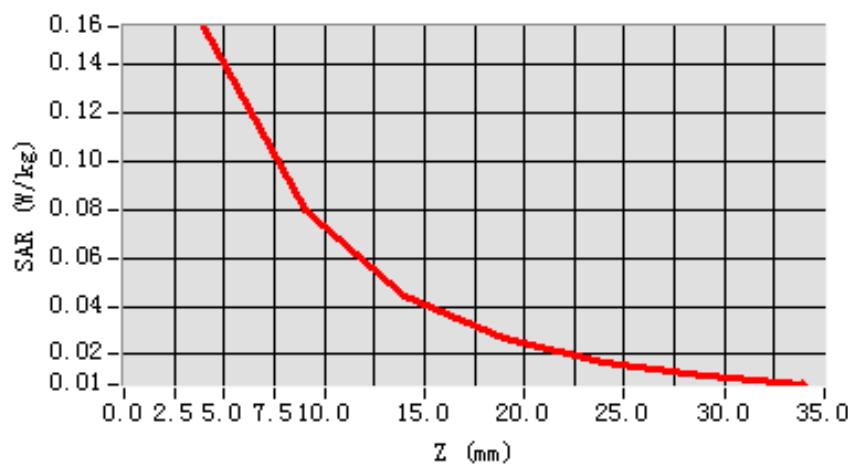
**Maximum location: X=7.00, Y=-41.00**

SAR 10g (W/Kg)	0.075885
SAR 1g (W/Kg)	0.143986

**Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.1555	0.0796	0.0445	0.0264	0.0164	0.0110

**SAR, Z Axis Scan (X = 7, Y = -41)**



# MEASUREMENT 32

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 16 seconds

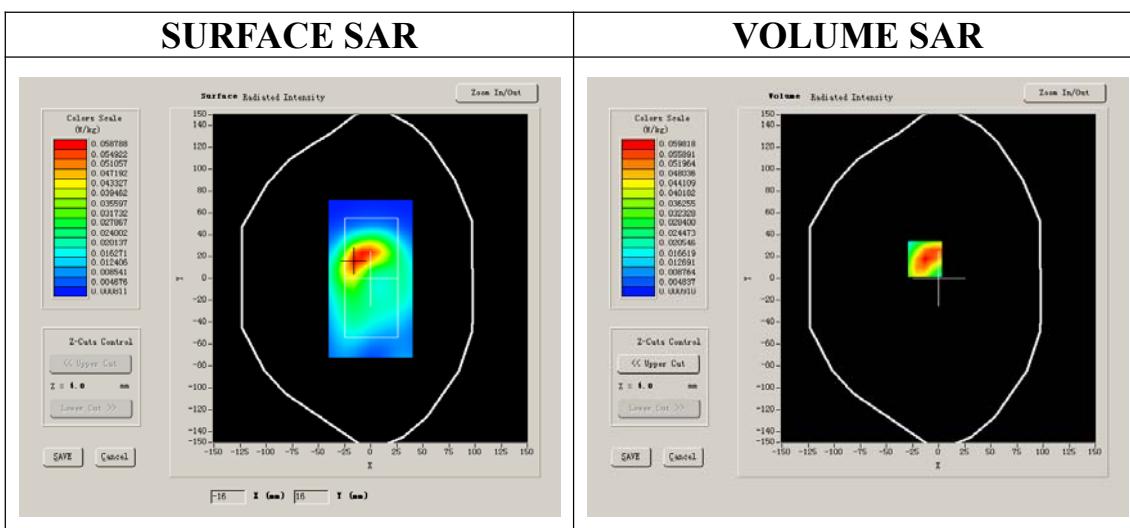
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA850
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 4175):

<b>Frequency (MHz)</b>	835.000000
<b>Relative permittivity (real part)</b>	54.283123
<b>Relative permittivity</b>	21.709999
<b>Conductivity (S/m)</b>	0.932714
<b>Power drift (%)</b>	-0.910000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.559, 25.681, 27.588
<b>Crest factor:</b>	1:1



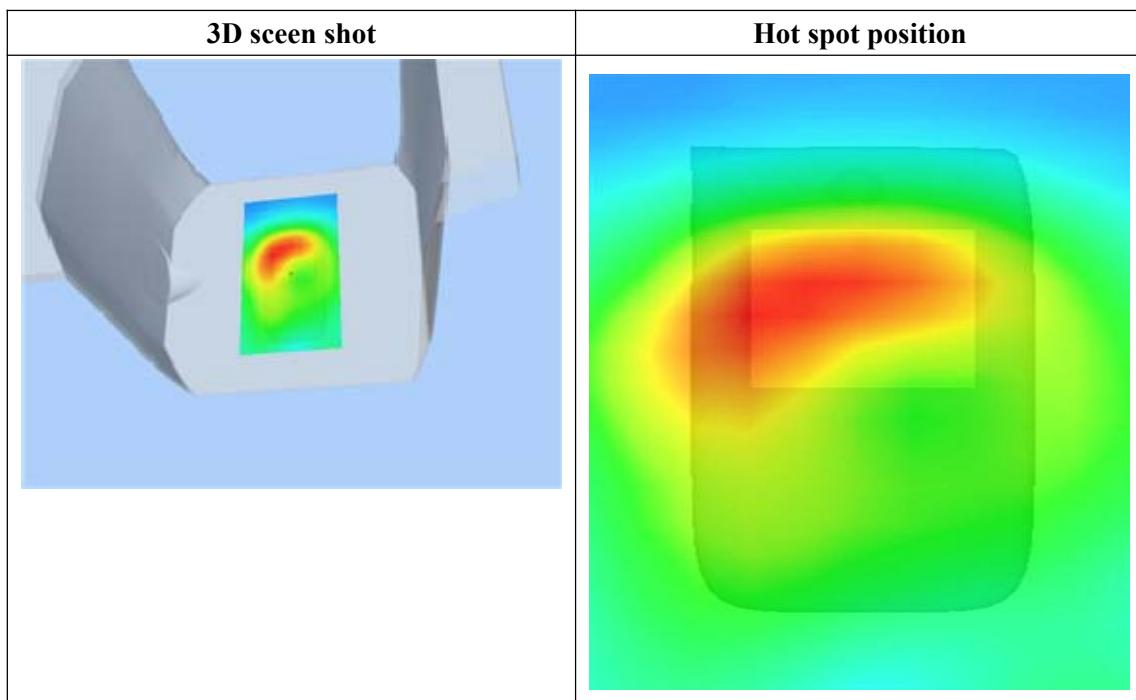
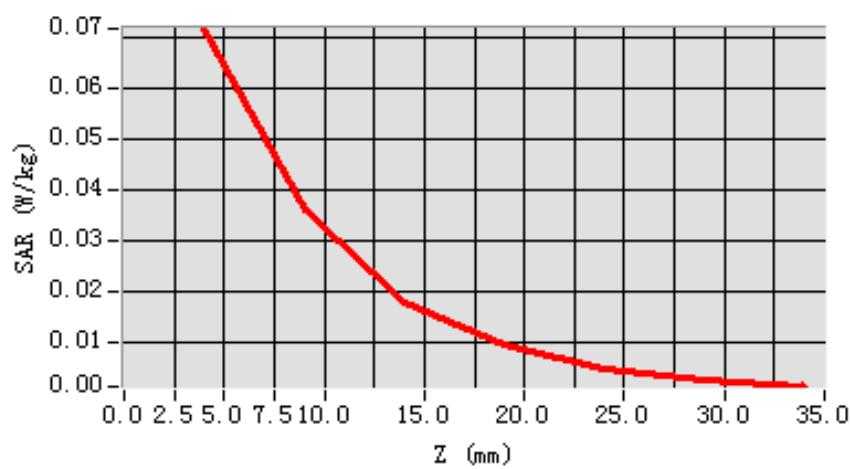
**Maximum location: X=-13.00, Y=18.00**

<b>SAR 10g (W/Kg)</b>	0.036022
<b>SAR 1g (W/Kg)</b>	0.068211

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.0718	0.0362	0.0178	0.0096	0.0049	0.0029

**SAR, Z Axis Scan (X = -13, Y = 18)**



# MEASUREMENT 33

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 16 seconds

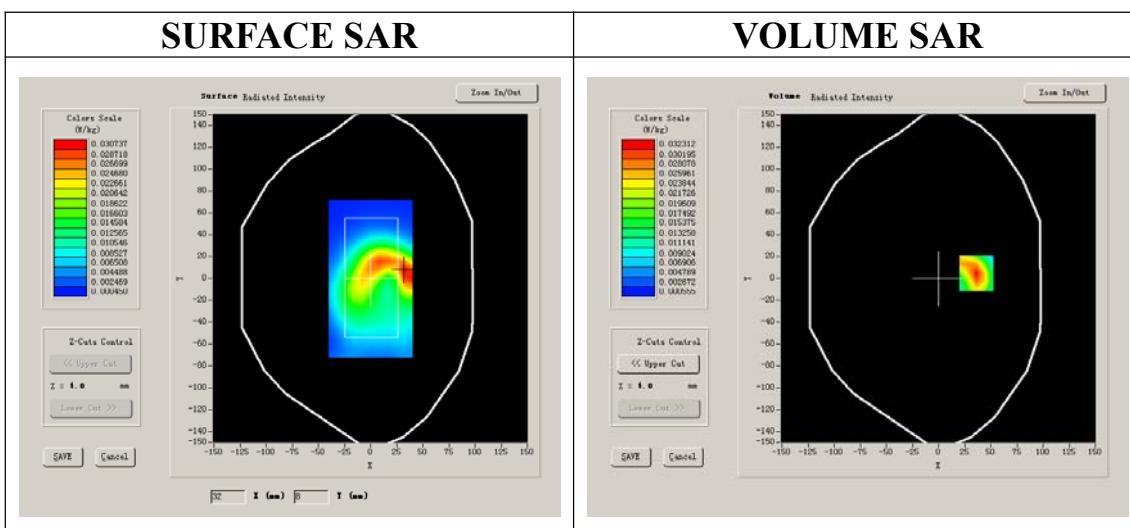
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA850
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 4175):

<b>Frequency (MHz)</b>	835.000000
<b>Relative permittivity (real part)</b>	54.283123
<b>Relative permittivity</b>	21.709999
<b>Conductivity (S/m)</b>	0.932714
<b>Power drift (%)</b>	-1.390000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	28.559, 25.681, 27.588
<b>Crest factor:</b>	1:1



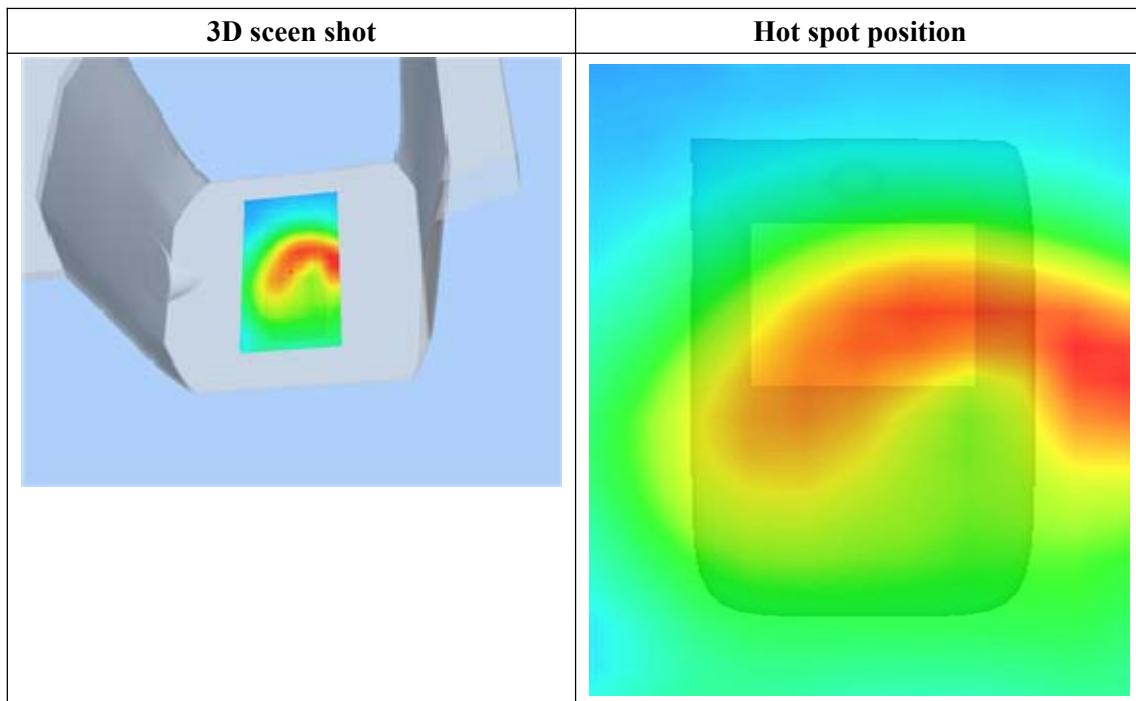
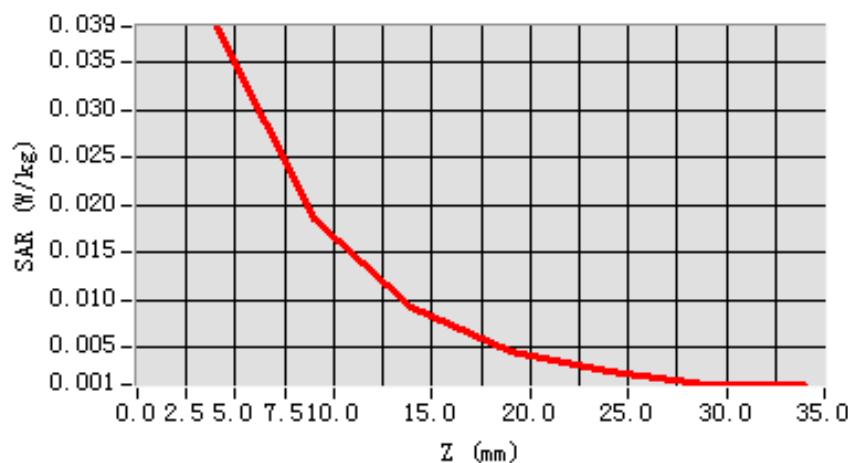
**Maximum location: X=36.00, Y=5.00**

SAR 10g (W/Kg)	0.018095
SAR 1g (W/Kg)	0.036018

**Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.0388	0.0186	0.0093	0.0047	0.0025	0.0013

**SAR, Z Axis Scan (X = 36, Y = 5)**



# MEASUREMENT 34

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 7 minutes 59 seconds

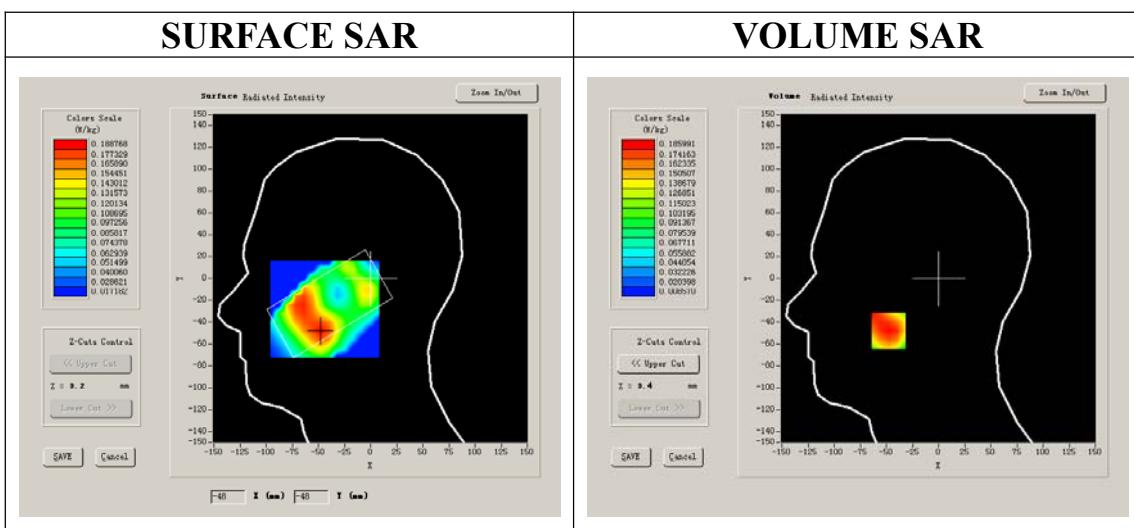
## A. Experimental conditions.

<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	WCDMA1700
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 1412):

<b>Frequency (MHz)</b>	1732.400000
<b>Relative permittivity (real part)</b>	41.269851
<b>Relative permittivity</b>	13.900000
<b>Conductivity (S/m)</b>	1.420357
<b>Power drift (%)</b>	-0.430000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	42.533, 36.791, 41.019
<b>Crest factor:</b>	1:1



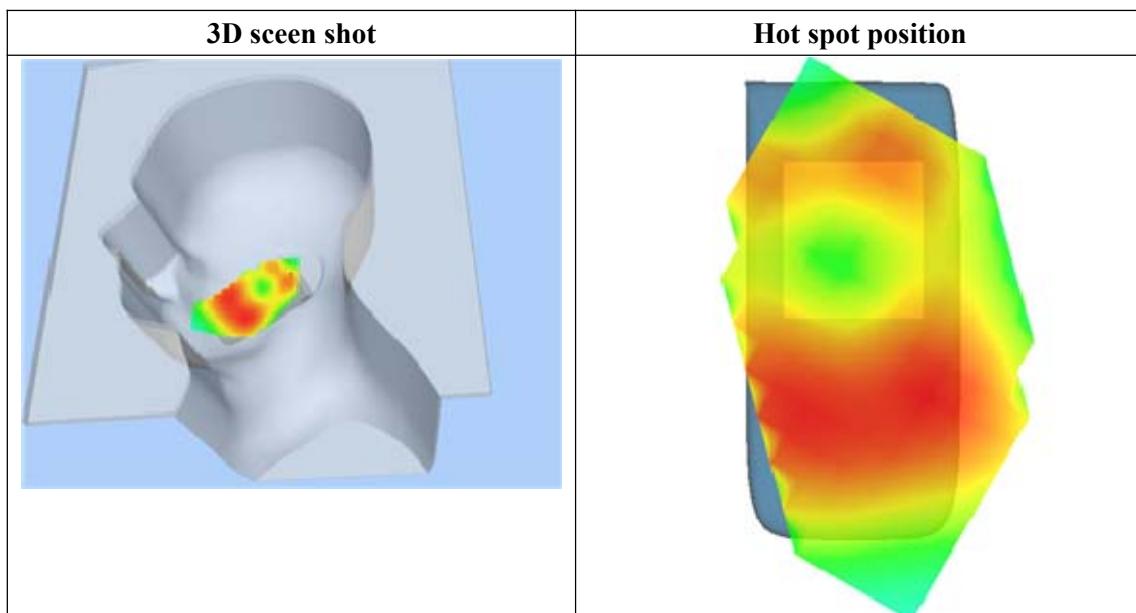
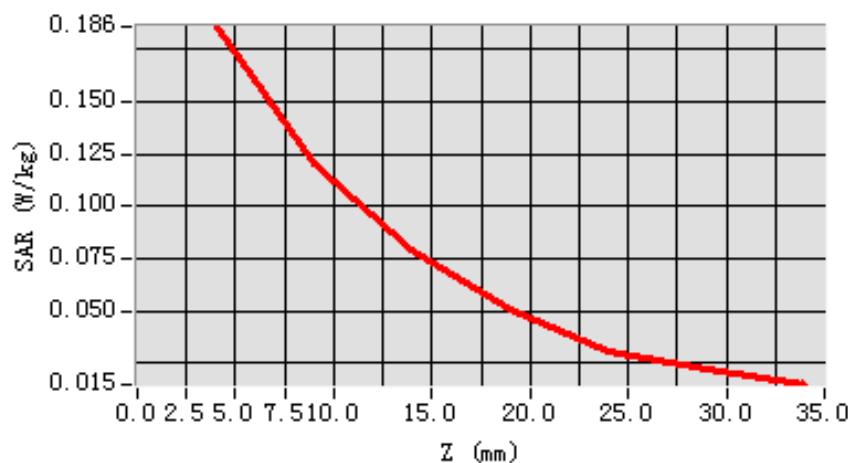
**Maximum location: X=-48.00, Y=-48.00**

<b>SAR 10g (W/Kg)</b>	0.113674
<b>SAR 1g (W/Kg)</b>	0.175072

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.1858	0.1199	0.0789	0.0507	0.0305	0.0225

**SAR, Z Axis Scan (X = -48, Y = -48)**



# MEASUREMENT 35

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 7 minutes 41 seconds

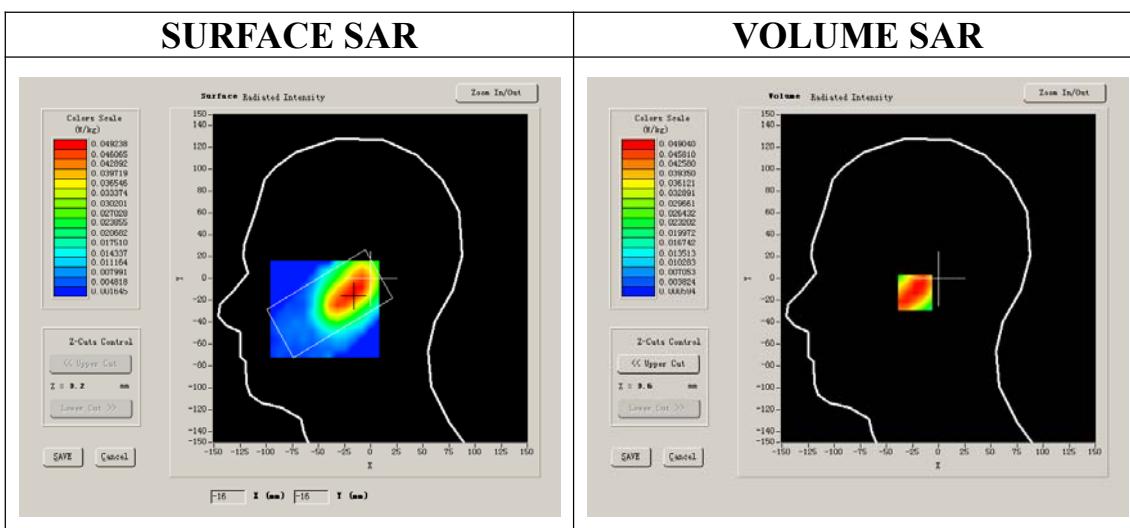
## A. Experimental conditions.

<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Right head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA1700
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 1412):

<b>Frequency (MHz)</b>	1732.400000
<b>Relative permittivity (real part)</b>	41.269851
<b>Relative permittivity</b>	13.900000
<b>Conductivity (S/m)</b>	1.420357
<b>Power drift (%)</b>	-0.620000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	42.533, 36.791, 41.019
<b>Crest factor:</b>	1:1



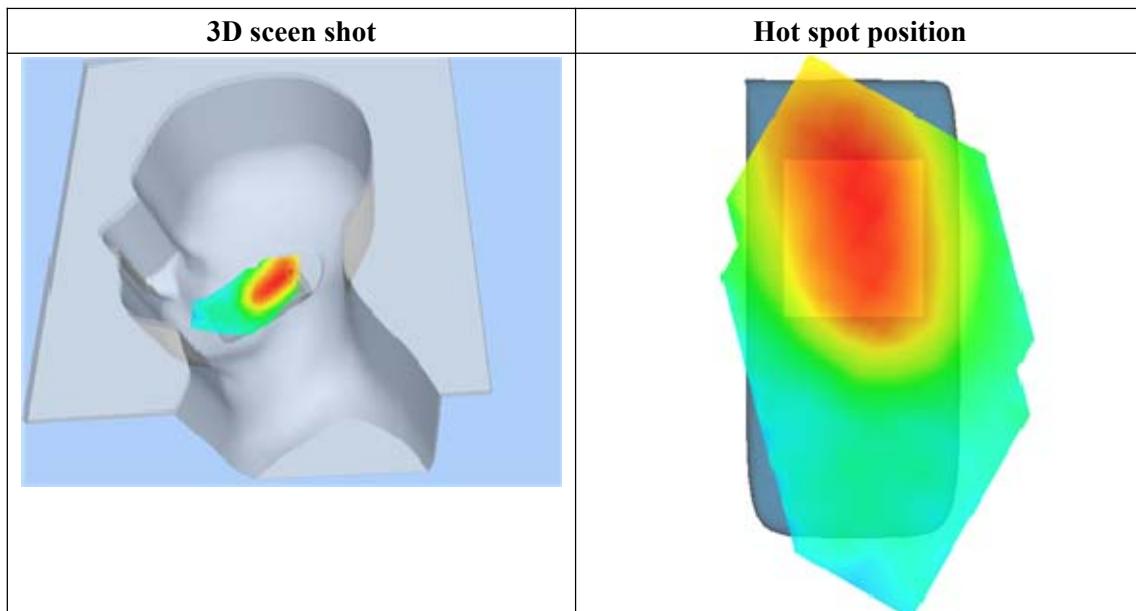
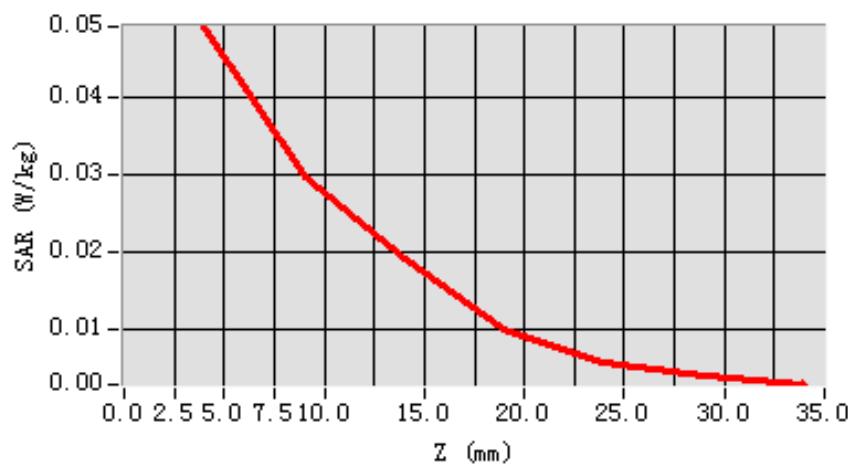
**Maximum location: X=-16.00, Y=-13.00**

<b>SAR 10g (W/Kg)</b>	0.028436
<b>SAR 1g (W/Kg)</b>	0.047873

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.0490	0.0296	0.0192	0.0101	0.0057	0.0041

**SAR, Z Axis Scan (X = -16, Y = -13)**



# MEASUREMENT 36

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 7 minutes 53 seconds

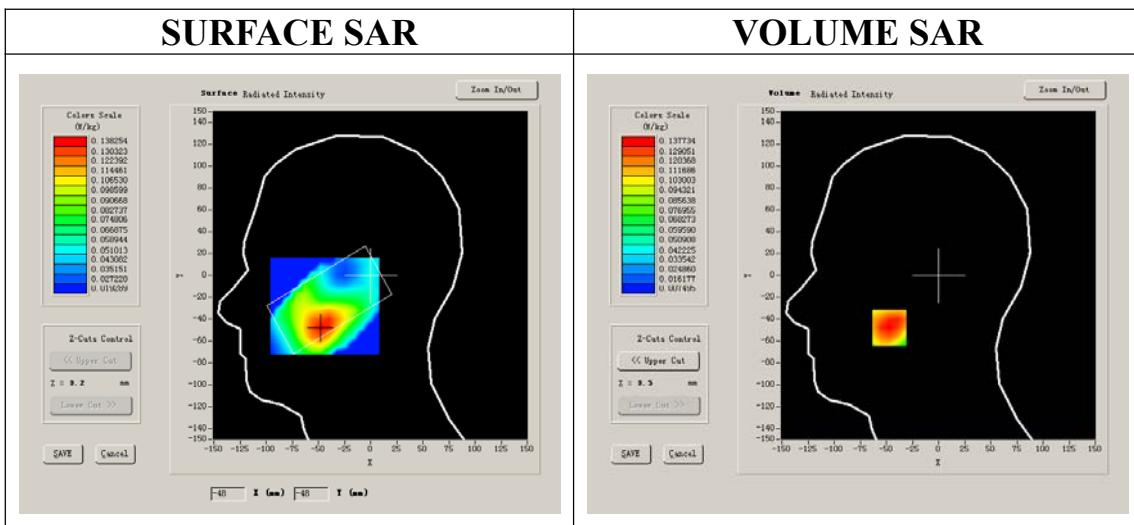
## A. Experimental conditions.

<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	WCDMA1700
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 1412):

<b>Frequency (MHz)</b>	1732.400000
<b>Relative permittivity (real part)</b>	41.269851
<b>Relative permittivity</b>	13.900000
<b>Conductivity (S/m)</b>	1.420357
<b>Power drift (%)</b>	-0.500000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	42.533, 36.791, 41.019
<b>Crest factor:</b>	1:1



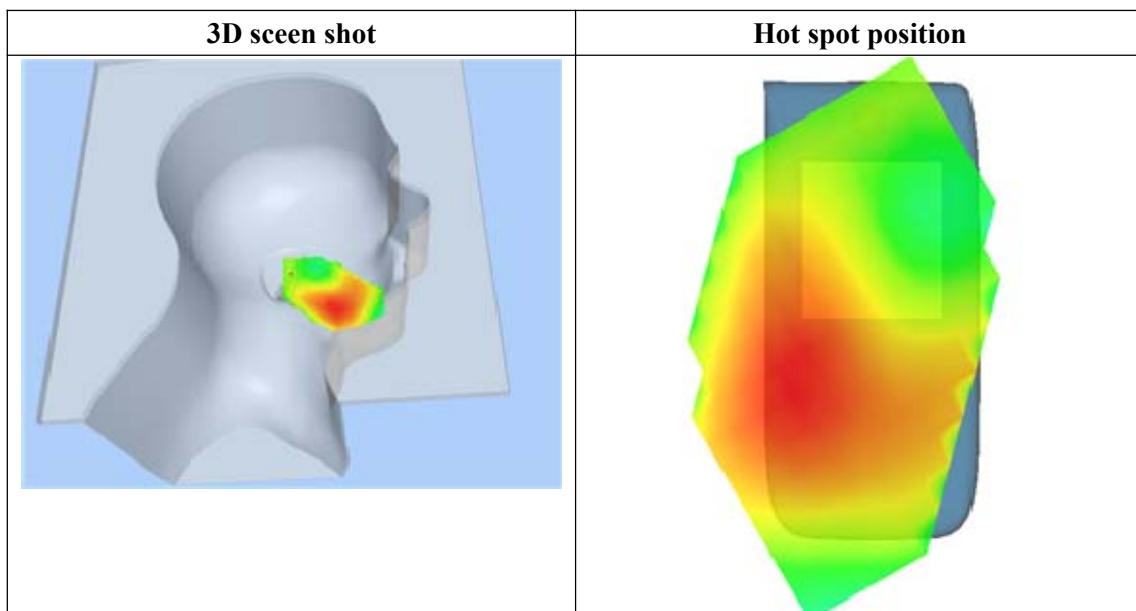
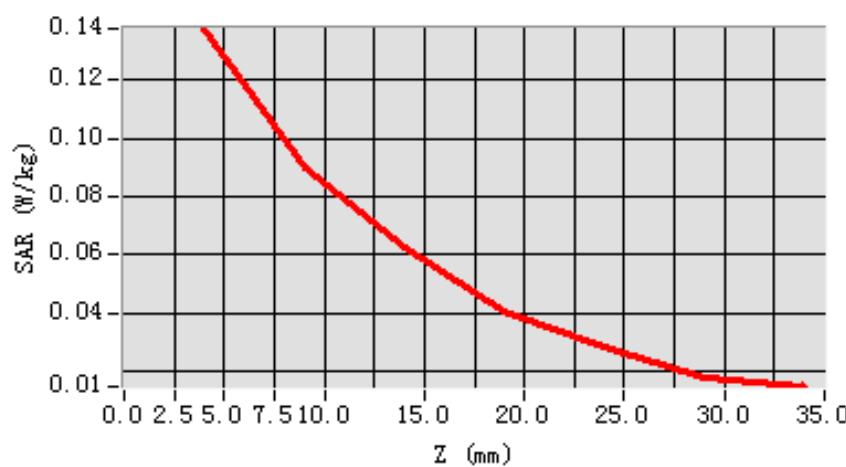
**Maximum location: X=-47.00, Y=-48.00**

<b>SAR 10g (W/Kg)</b>	0.085651
<b>SAR 1g (W/Kg)</b>	0.133371

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.1377	0.0902	0.0623	0.0403	0.0283	0.0177

**SAR, Z Axis Scan (X = -47, Y = -48)**



# MEASUREMENT 37

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 7 minutes 40 seconds

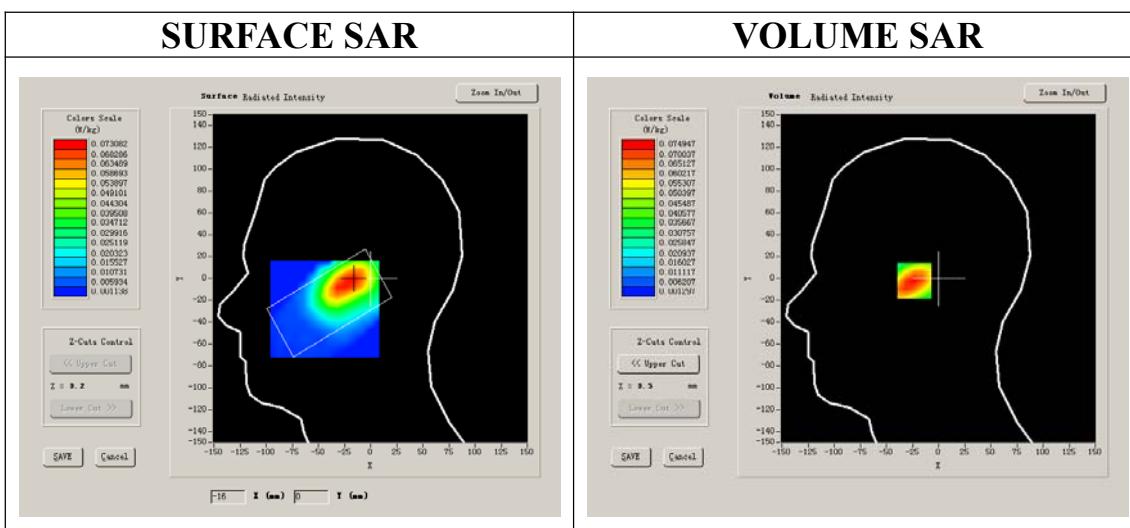
## A. Experimental conditions.

<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA1700
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 1412):

<b>Frequency (MHz)</b>	1732.400000
<b>Relative permittivity (real part)</b>	41.269851
<b>Relative permittivity</b>	13.900000
<b>Conductivity (S/m)</b>	1.420357
<b>Power drift (%)</b>	-0.380000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	42.533, 36.791, 41.019
<b>Crest factor:</b>	1:1



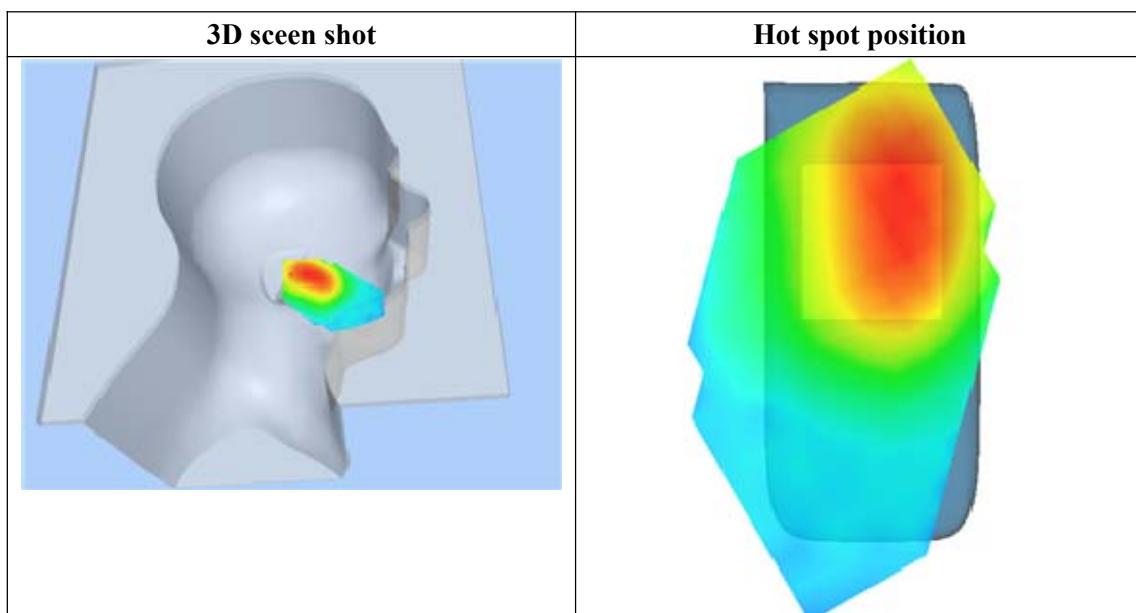
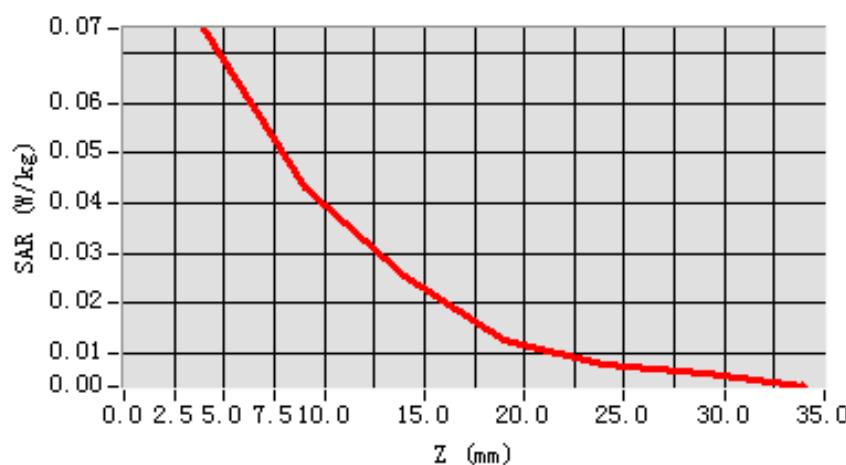
**Maximum location: X=-19.00, Y=-2.00**

<b>SAR 10g (W/Kg)</b>	0.041385
<b>SAR 1g (W/Kg)</b>	0.071679

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.0749	0.0430	0.0255	0.0128	0.0080	0.0059

**SAR, Z Axis Scan (X = -19, Y = -2)**



# MEASUREMENT 38

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 15 seconds

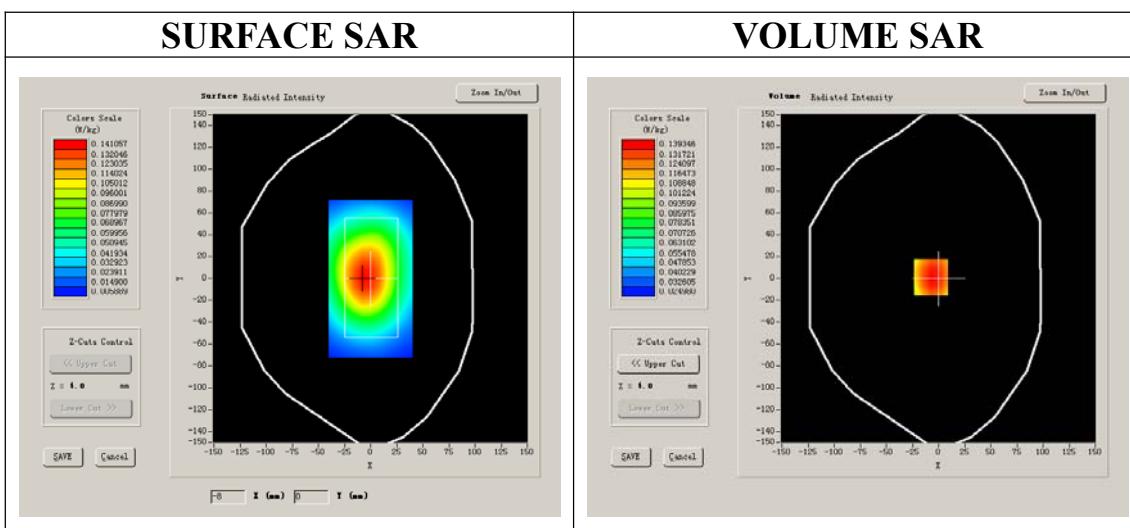
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1700
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 1412):

<b>Frequency (MHz)</b>	1732.400000
<b>Relative permittivity (real part)</b>	53.623857
<b>Relative permittivity</b>	15.800000
<b>Conductivity (S/m)</b>	1.481650
<b>Power drift (%)</b>	-0.030000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	42.982,37.514,41.835
<b>Crest factor:</b>	1:1



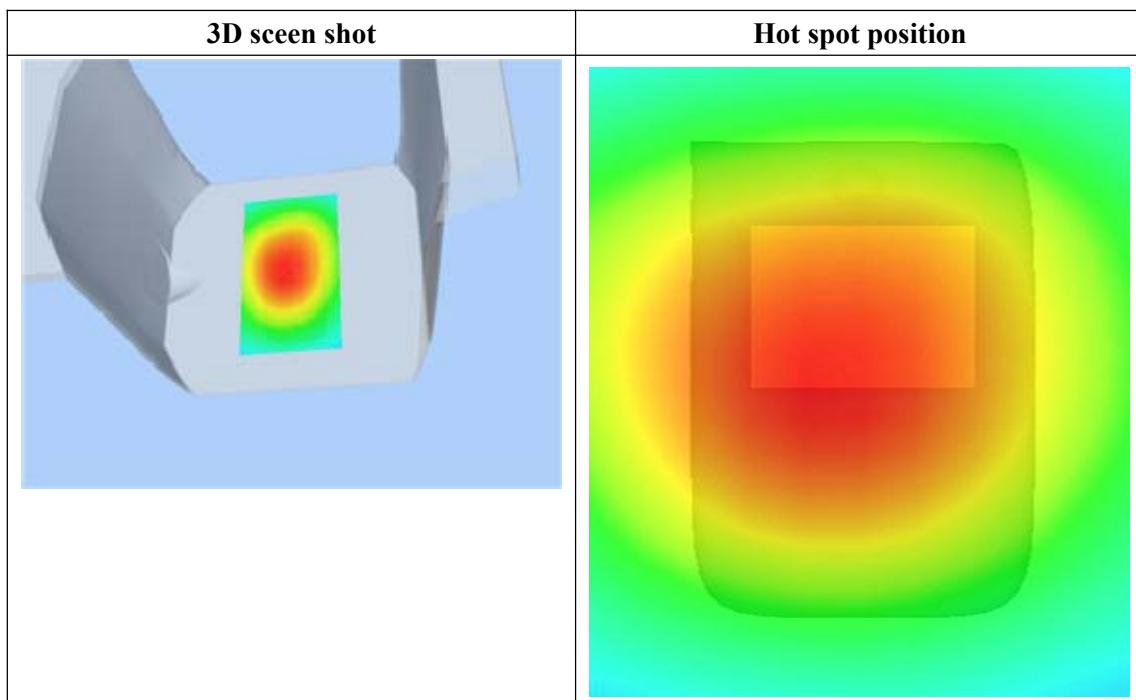
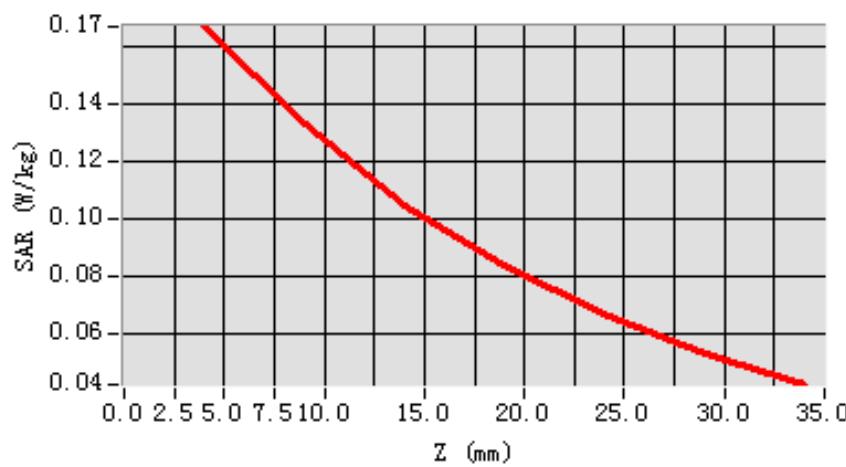
**Maximum location: X=-7.00, Y=1.00**

<b>SAR 10g (W/Kg)</b>	0.123824
<b>SAR 1g (W/Kg)</b>	0.162860

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.1672	0.1331	0.1048	0.0840	0.0674	0.0531

**SAR, Z Axis Scan (X = -7, Y = 1)**



# MEASUREMENT 39

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 16 seconds

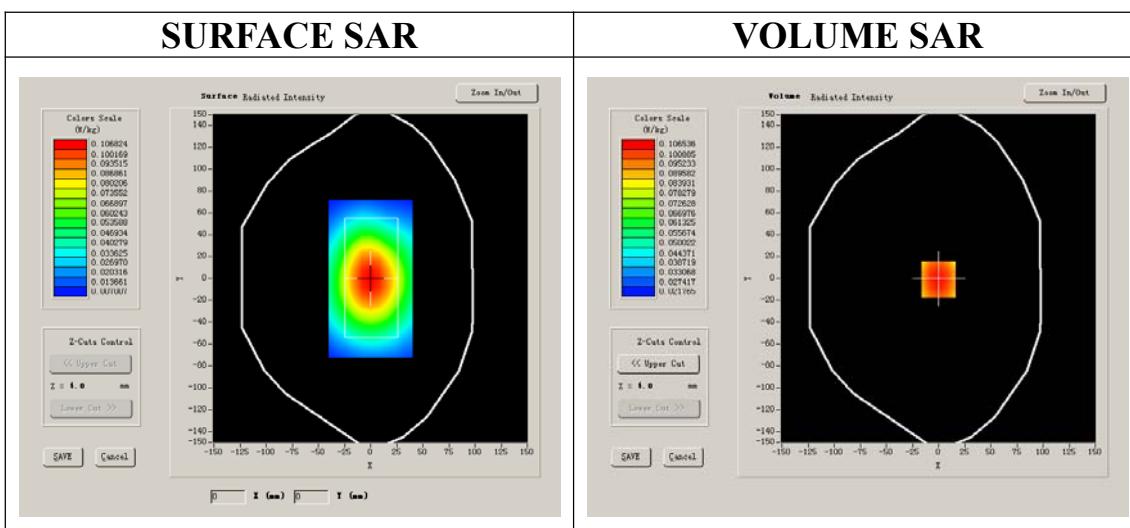
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1700
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 1412):

<b>Frequency (MHz)</b>	1732.400000
<b>Relative permittivity (real part)</b>	53.623857
<b>Relative permittivity</b>	15.800000
<b>Conductivity (S/m)</b>	1.481650
<b>Power drift (%)</b>	-1.390000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	42.982,37.514,41.835
<b>Crest factor:</b>	1:1



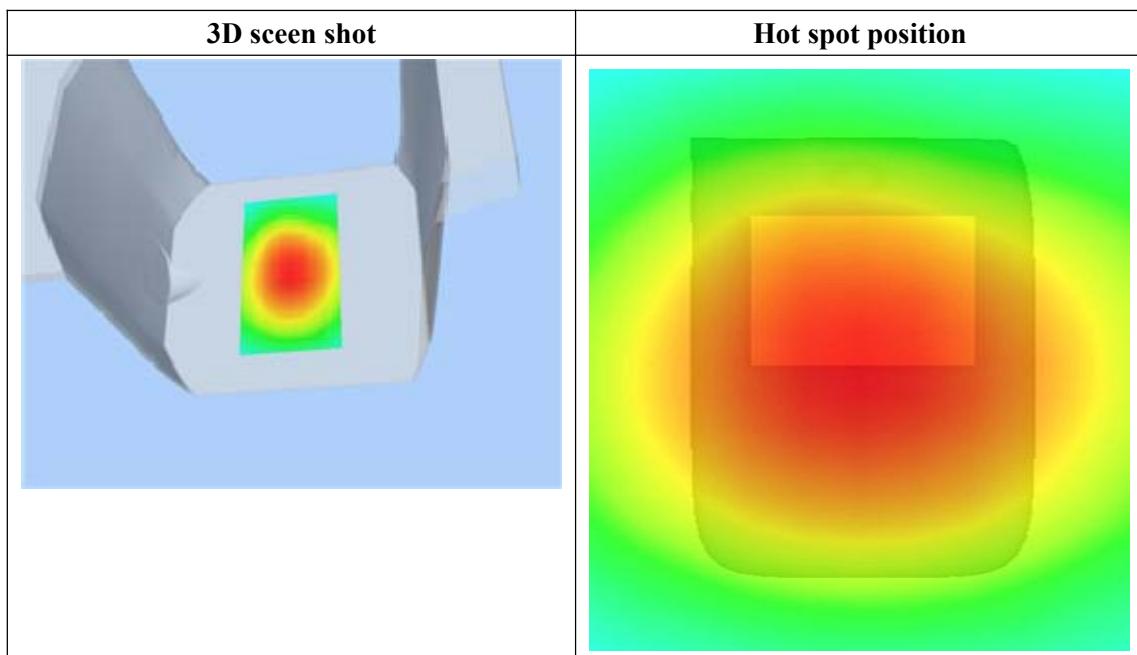
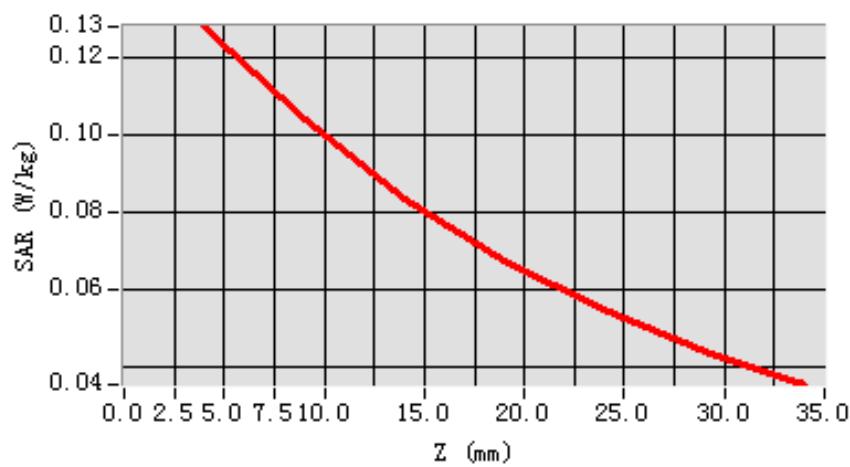
**Maximum location: X=0.00, Y=-1.00**

<b>SAR 10g (W/Kg)</b>	0.096234
<b>SAR 1g (W/Kg)</b>	0.124151

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.1279	0.1039	0.0832	0.0674	0.0545	0.0437

**SAR, Z Axis Scan (X = 0, Y = -1)**



# MEASUREMENT 40

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 16 seconds

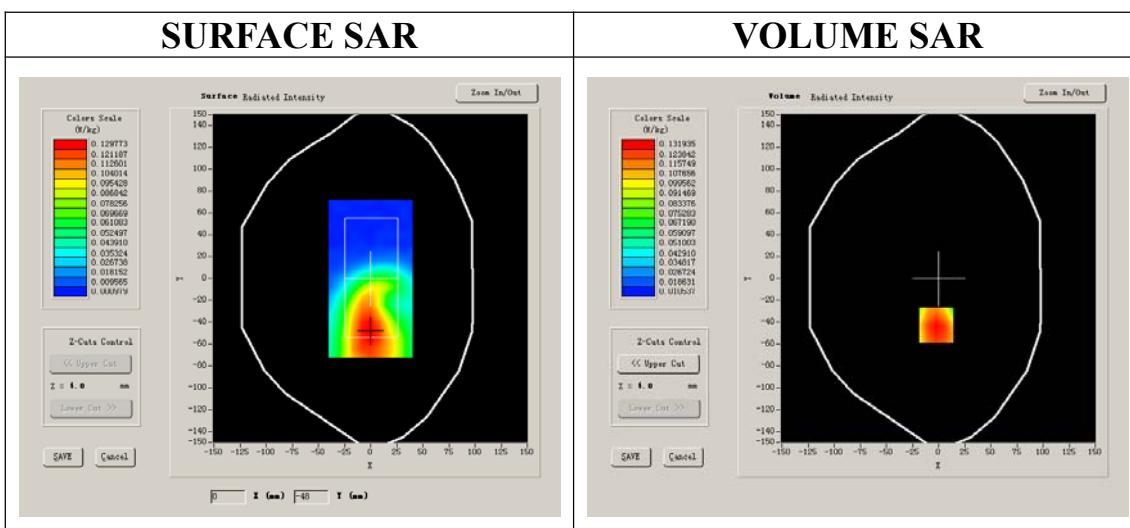
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA17000
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 1412):

<b>Frequency (MHz)</b>	1732.400000
<b>Relative permittivity (real part)</b>	53.623857
<b>Relative permittivity</b>	15.800000
<b>Conductivity (S/m)</b>	1.481650
<b>Power drift (%)</b>	-2.190000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	42.982,37.514,41.835
<b>Crest factor:</b>	1:1



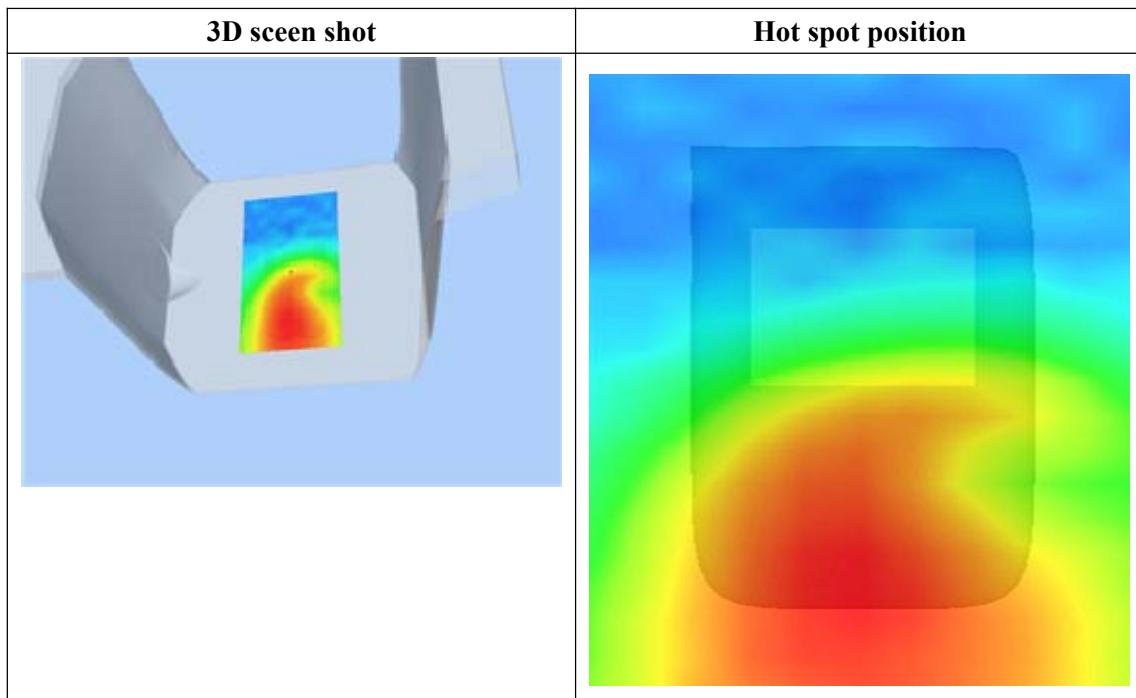
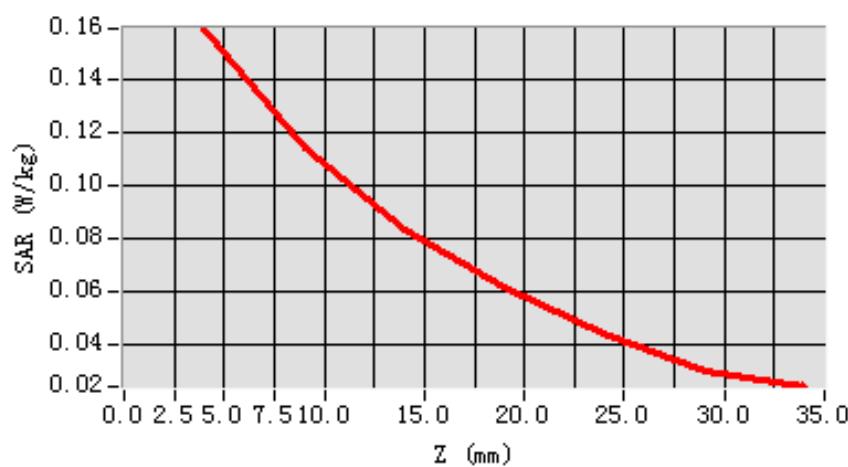
**Maximum location: X=-2.00, Y=-43.00**

<b>SAR 10g (W/Kg)</b>	0.108482
<b>SAR 1g (W/Kg)</b>	0.154307

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.1591	0.1146	0.0837	0.0619	0.0448	0.0305

**SAR, Z Axis Scan (X = -2, Y = -43)**



# MEASUREMENT 41

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 16 seconds

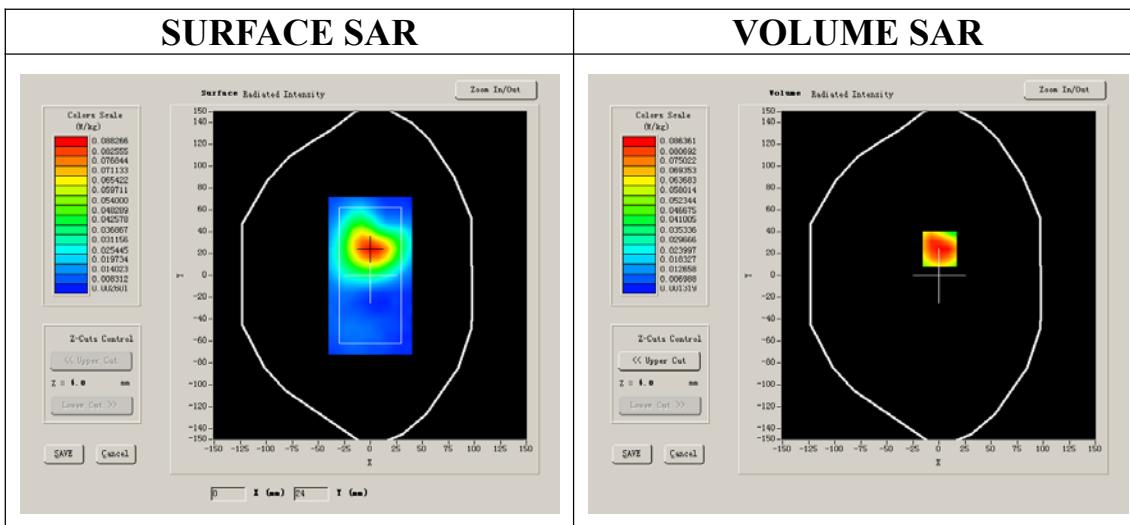
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1700
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 1412):

<b>Frequency (MHz)</b>	1732.400000
<b>Relative permittivity (real part)</b>	53.623857
<b>Relative permittivity</b>	15.800000
<b>Conductivity (S/m)</b>	1.481650
<b>Power drift (%)</b>	-0.910000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	42.982,37.514,41.835
<b>Crest factor:</b>	1:1



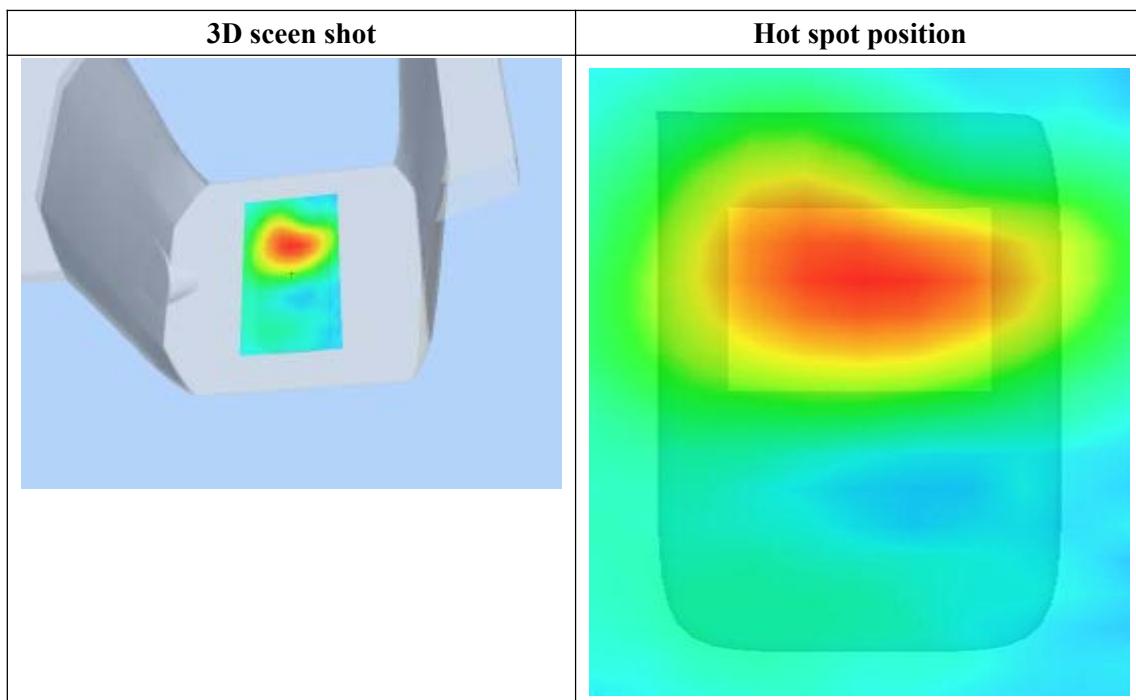
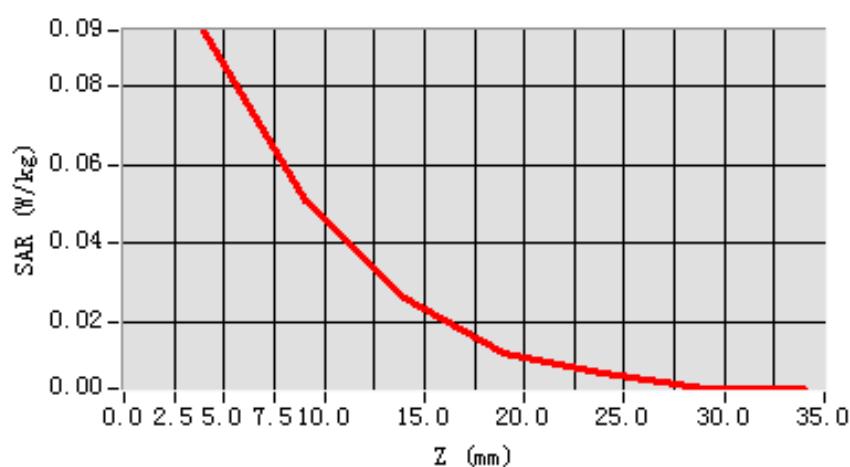
**Maximum location: X=1.00, Y=24.00**

<b>SAR 10g (W/Kg)</b>	0.050060
<b>SAR 1g (W/Kg)</b>	0.091406

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.0940	0.0509	0.0261	0.0124	0.0072	0.0034

**SAR, Z Axis Scan (X = 1, Y = 24)**



# MEASUREMENT 42

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 16 seconds

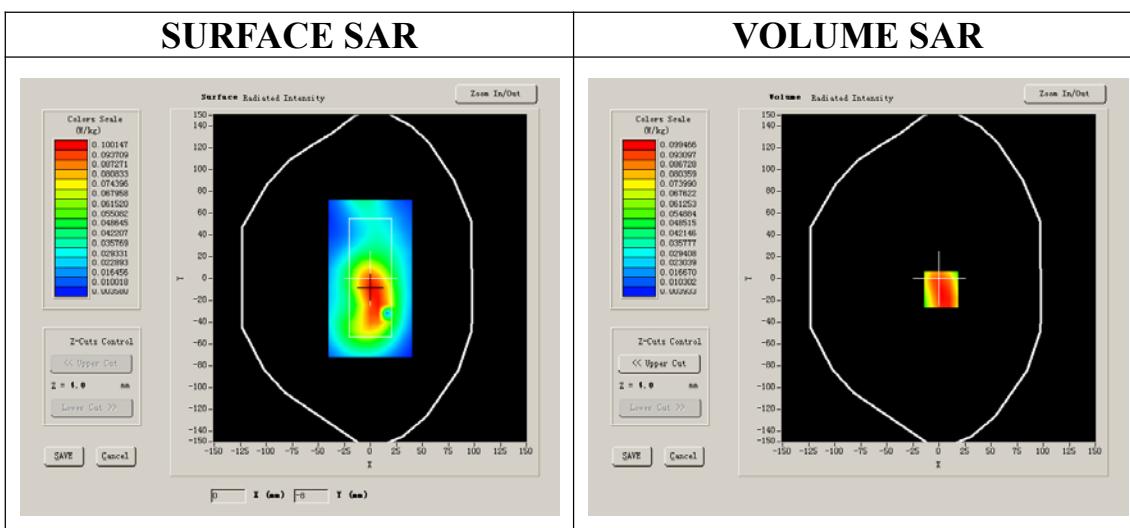
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1700
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 1412):

<b>Frequency (MHz)</b>	1732.400000
<b>Relative permittivity (real part)</b>	53.623857
<b>Relative permittivity</b>	15.800000
<b>Conductivity (S/m)</b>	1.481650
<b>Power drift (%)</b>	-2.300000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	42.982,37.514,41.835
<b>Crest factor:</b>	1:1



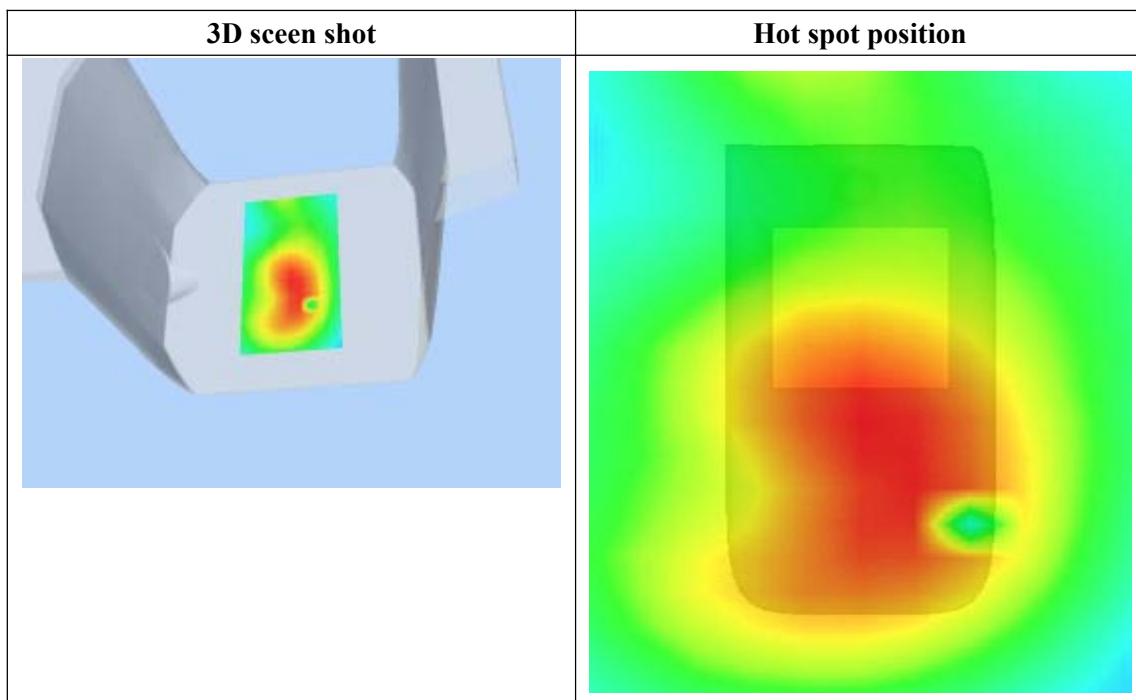
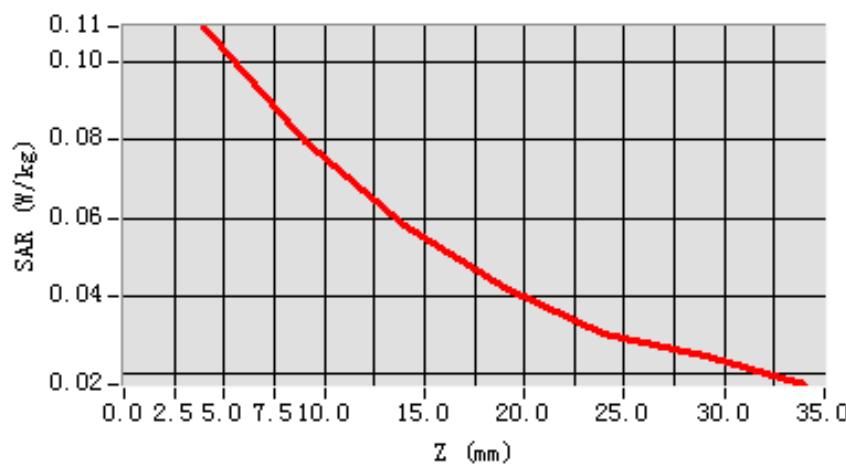
**Maximum location: X=2.00, Y=-10.00**

SAR 10g (W/Kg)	0.072889
SAR 1g (W/Kg)	0.105965

**Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.1092	0.0795	0.0579	0.0423	0.0303	0.0247

**SAR, Z Axis Scan (X = 2, Y = -10)**



# MEASUREMENT 43

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 8 minutes 9 seconds

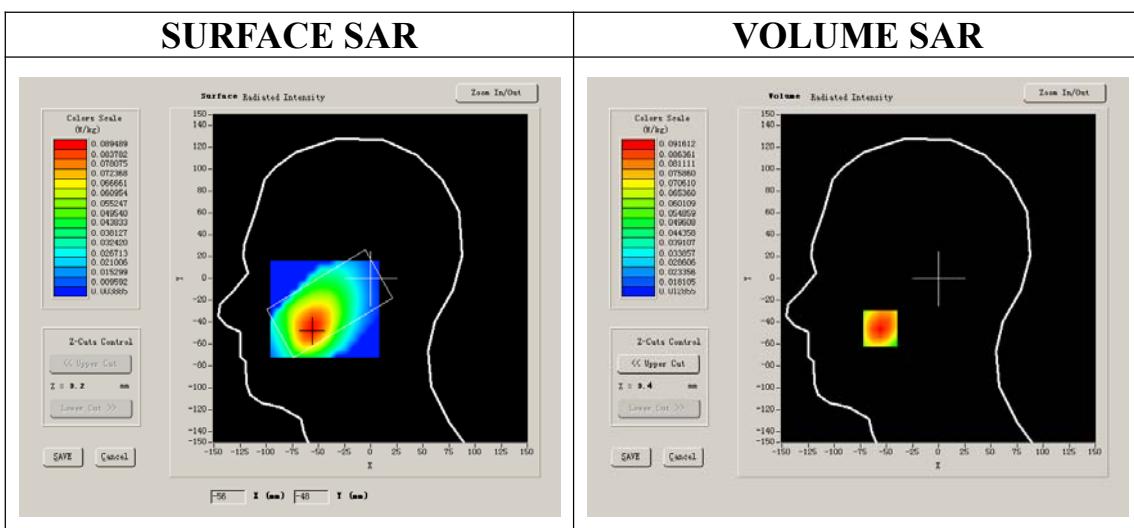
## A. Experimental conditions.

<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	WCDMA1900
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 9400):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	41.163616
<b>Relative permittivity</b>	13.230000
<b>Conductivity (S/m)</b>	1.428963
<b>Power drift (%)</b>	0.280000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.136,34.843,38.721
<b>Crest factor:</b>	1:1



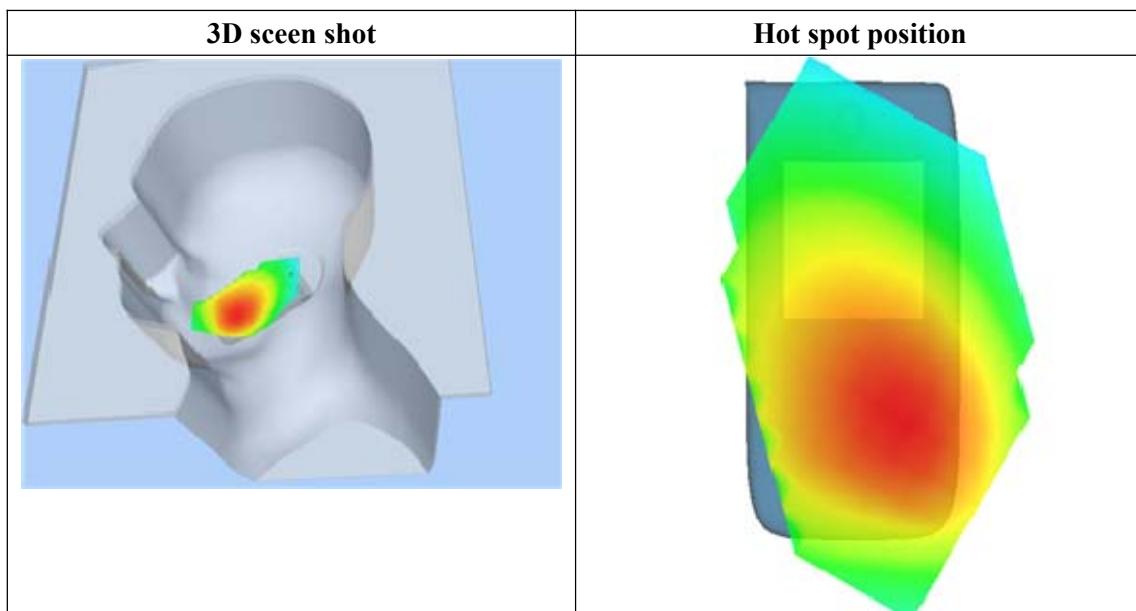
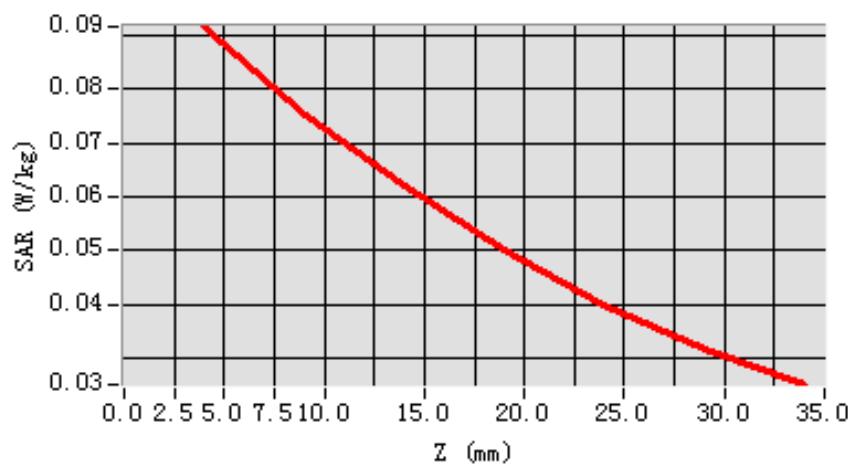
**Maximum location: X=-56.00, Y=-46.00**

<b>SAR 10g (W/Kg)</b>	0.067643
<b>SAR 1g (W/Kg)</b>	0.088082

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.0916	0.0751	0.0620	0.0500	0.0400	0.0317

**SAR, Z Axis Scan (X = -56, Y = -46)**



# MEASUREMENT 44

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 7 minutes 28 seconds

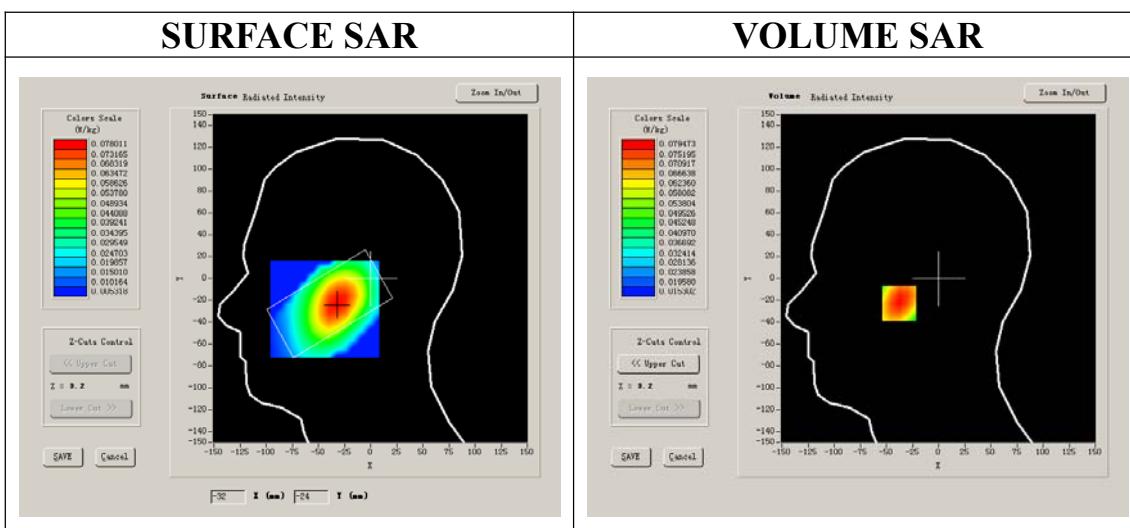
## A. Experimental conditions.

<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Right head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA1900
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 9400):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	41.163616
<b>Relative permittivity</b>	13.230000
<b>Conductivity (S/m)</b>	1.428963
<b>Power drift (%)</b>	-0.160000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.136,34.843,38.721
<b>Crest factor:</b>	1:1



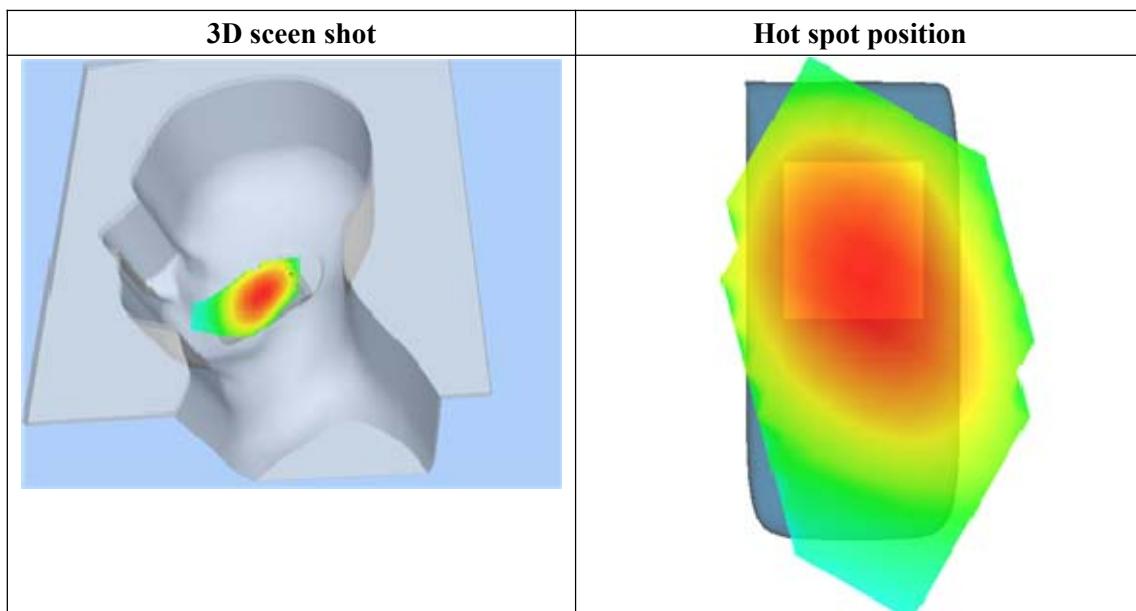
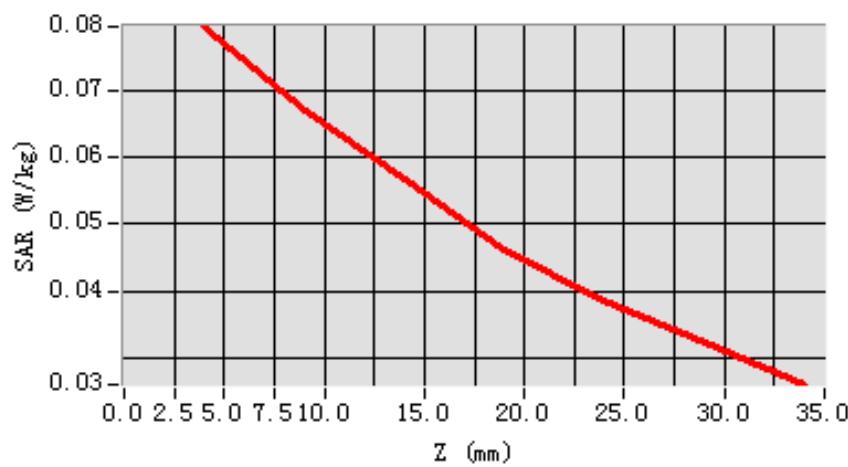
**Maximum location: X=-32.00, Y=-23.00**

<b>SAR 10g (W/Kg)</b>	0.060740
<b>SAR 1g (W/Kg)</b>	0.076896

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.0795	0.0670	0.0566	0.0460	0.0385	0.0322

**SAR, Z Axis Scan (X = -32, Y = -23)**



# MEASUREMENT 45

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 8 minutes 7 seconds

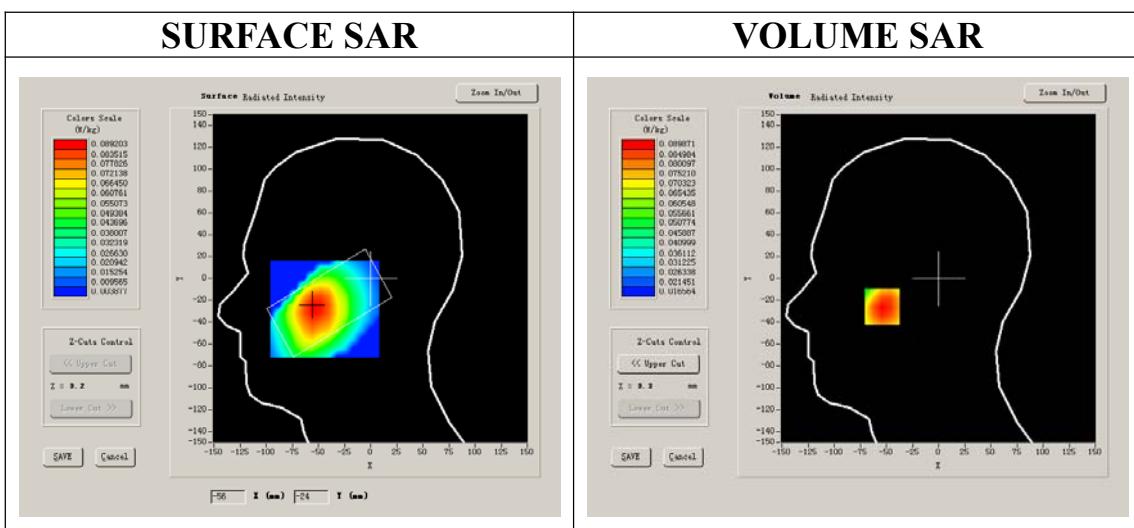
## A. Experimental conditions.

<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	WCDMA1900
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 9400):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	41.163616
<b>Relative permittivity</b>	13.230000
<b>Conductivity (S/m)</b>	1.428963
<b>Power drift (%)</b>	-0.500000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.136,34.843,38.721
<b>Crest factor:</b>	1:1



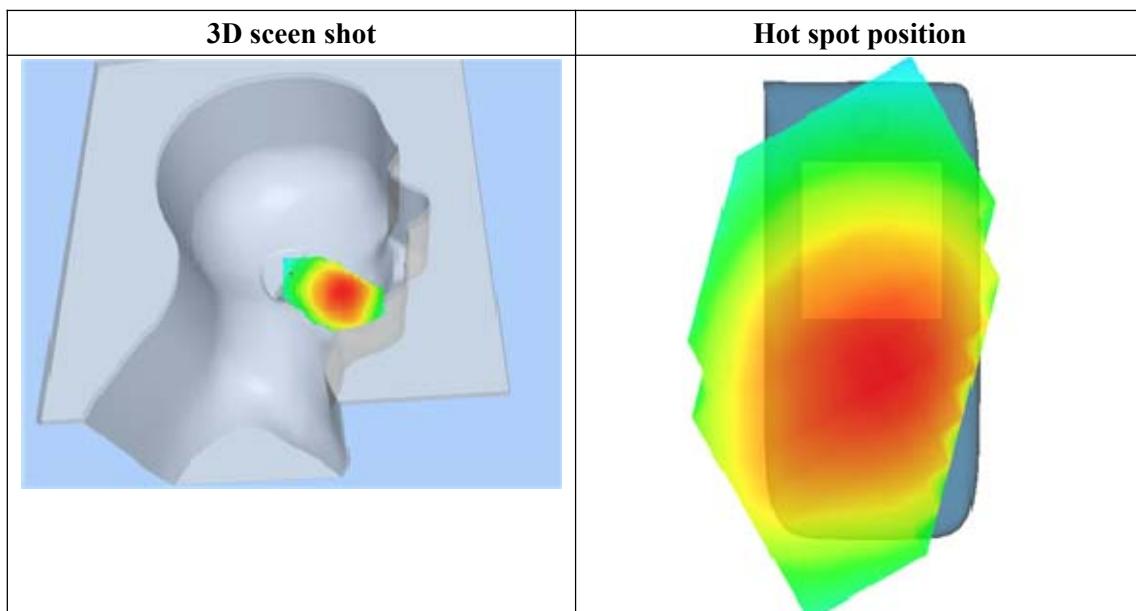
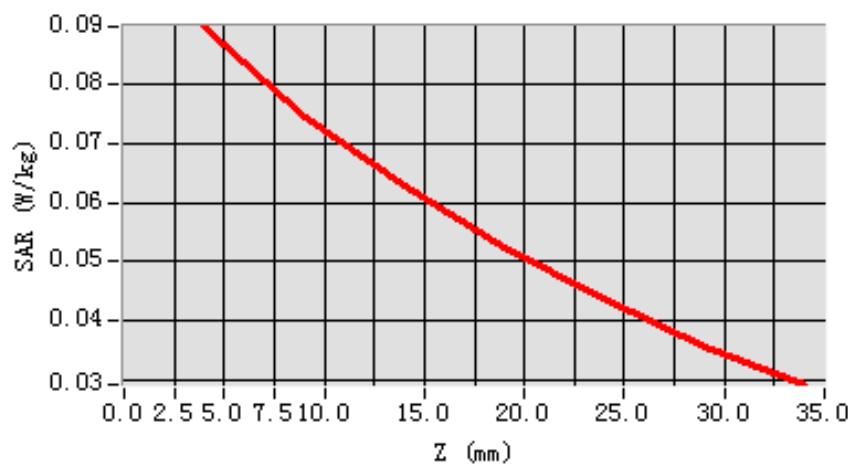
**Maximum location: X=-54.00, Y=-26.00**

<b>SAR 10g (W/Kg)</b>	0.068897
<b>SAR 1g (W/Kg)</b>	0.087383

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.0899	0.0743	0.0627	0.0522	0.0436	0.0356

**SAR, Z Axis Scan (X = -54, Y = -26)**



# MEASUREMENT 46

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 7 minutes 30 seconds

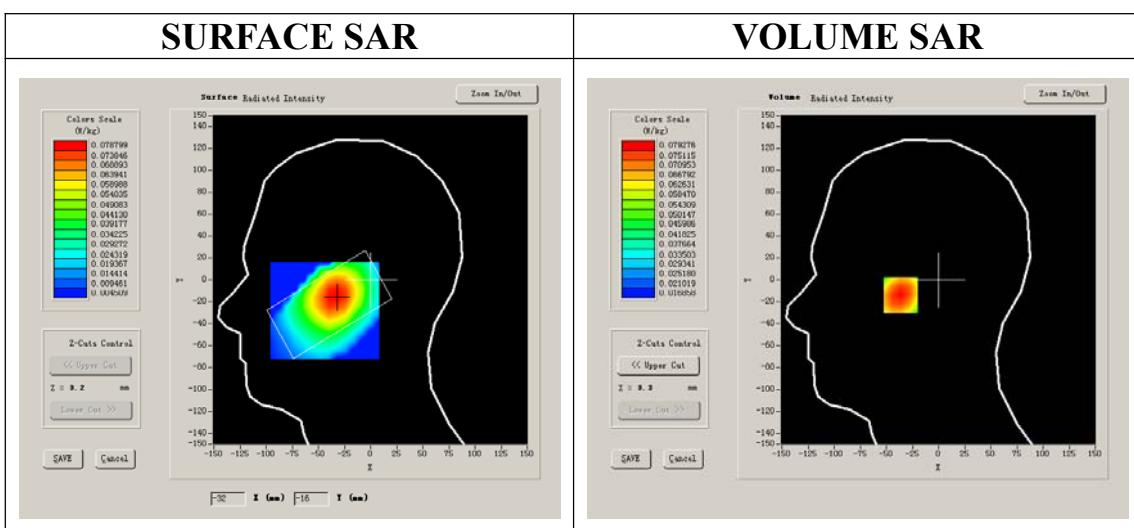
## A. Experimental conditions.

<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA1900
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 9400):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	41.163616
<b>Relative permittivity</b>	13.230000
<b>Conductivity (S/m)</b>	1.428963
<b>Power drift (%)</b>	0.190000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.136,34.843,38.721
<b>Crest factor:</b>	1:1



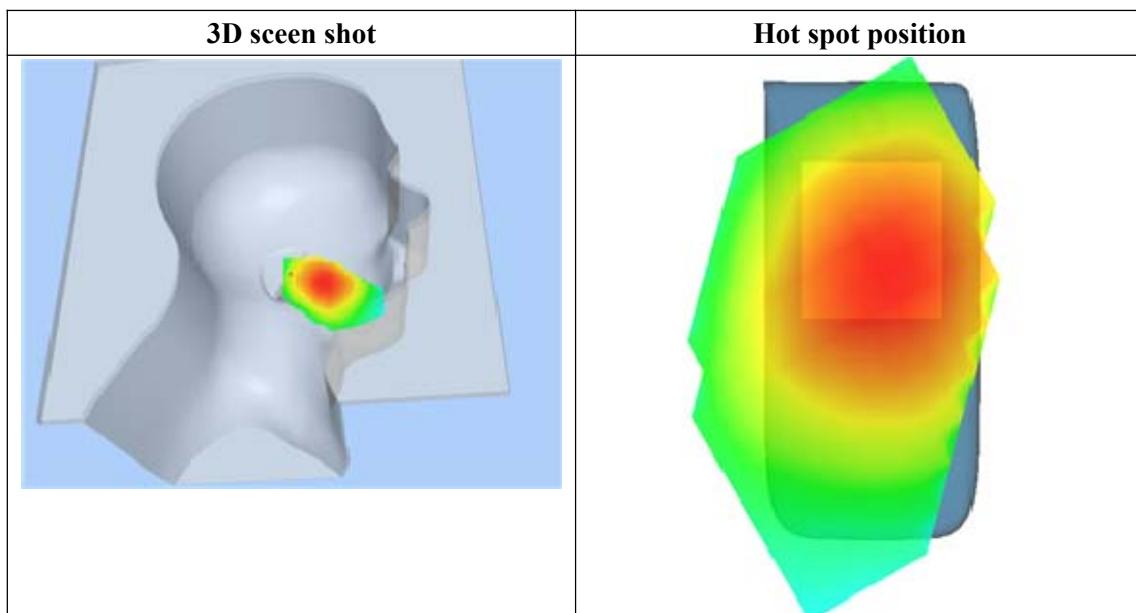
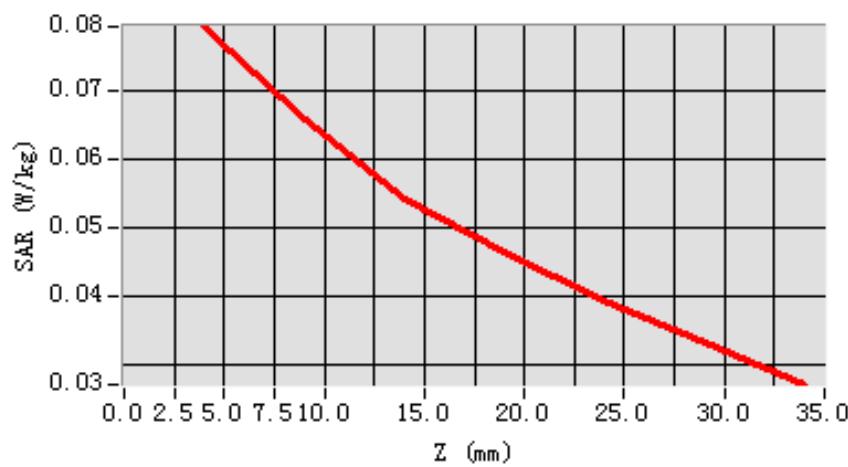
**Maximum location: X=-33.00, Y=-14.00**

<b>SAR 10g (W/Kg)</b>	0.060195
<b>SAR 1g (W/Kg)</b>	0.076871

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.0793	0.0659	0.0542	0.0463	0.0394	0.0333

**SAR, Z Axis Scan (X = -33, Y = -14)**



# MEASUREMENT 47

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 7 seconds

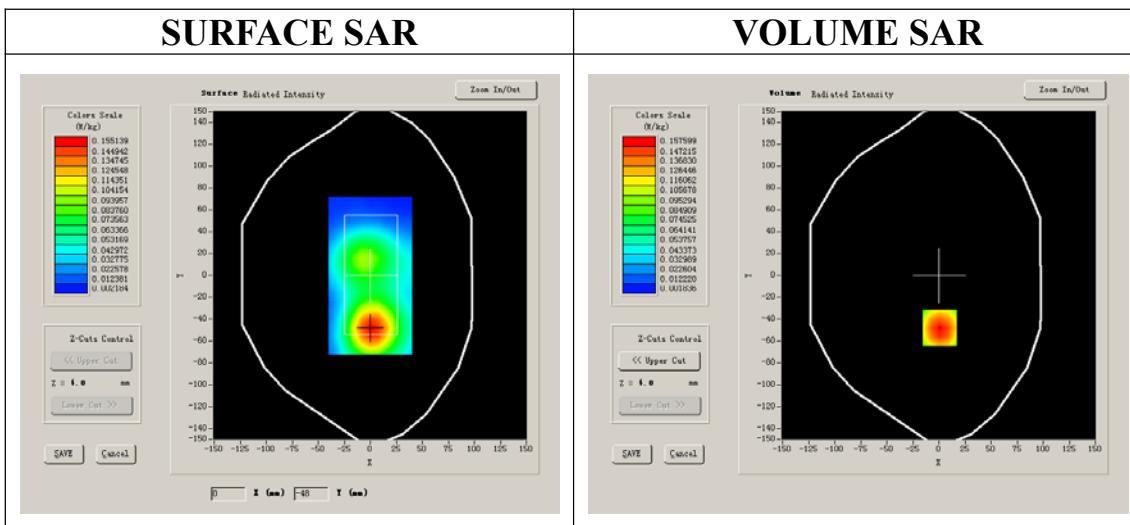
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1900
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 9400):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	52.123732
<b>Relative permittivity</b>	15.877050
<b>Conductivity (S/m)</b>	1.476213
<b>Power drift (%)</b>	0.060000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.625,34.773,38.535
<b>Crest factor:</b>	1:1



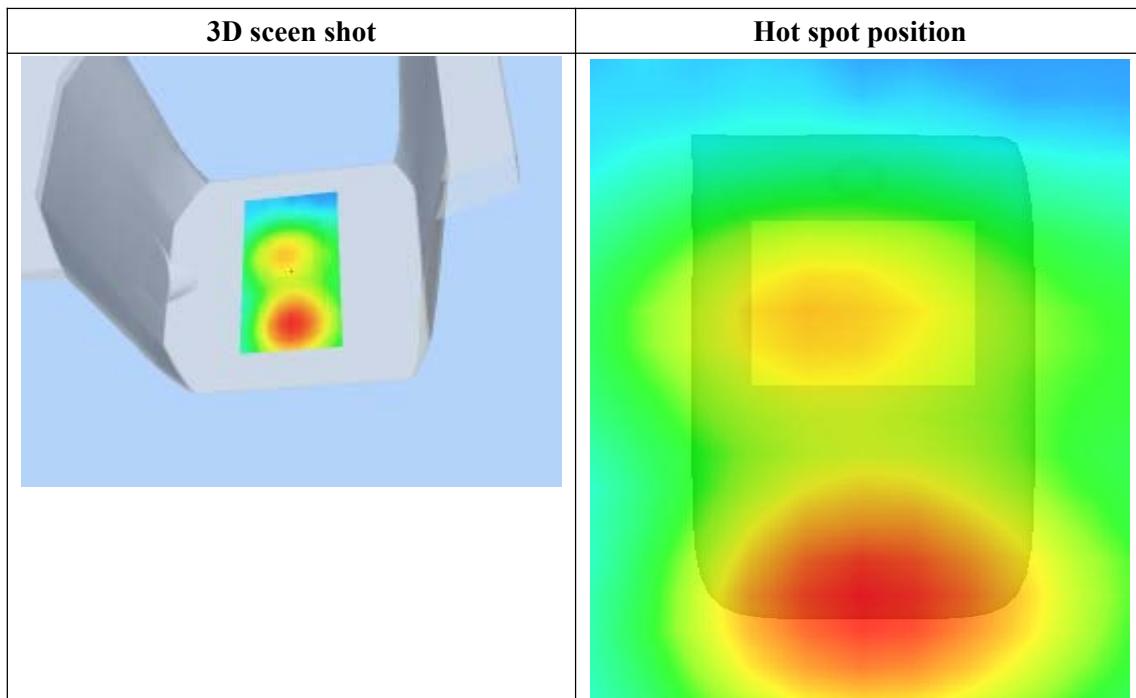
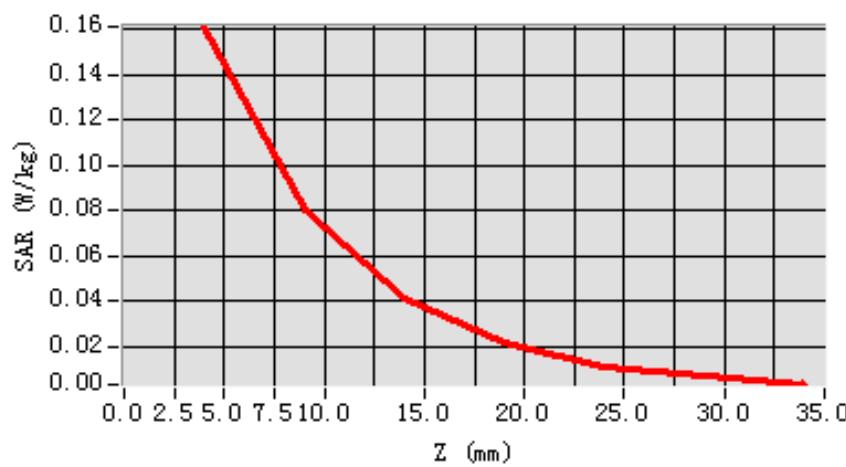
**Maximum location: X=1.00, Y=-48.00**

SAR 10g (W/Kg)	0.084342
SAR 1g (W/Kg)	0.135475

**Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.1613	0.0798	0.0412	0.0215	0.0112	0.0067

**SAR, Z Axis Scan (X = 1, Y = -48)**



# MEASUREMENT 48

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 14 seconds

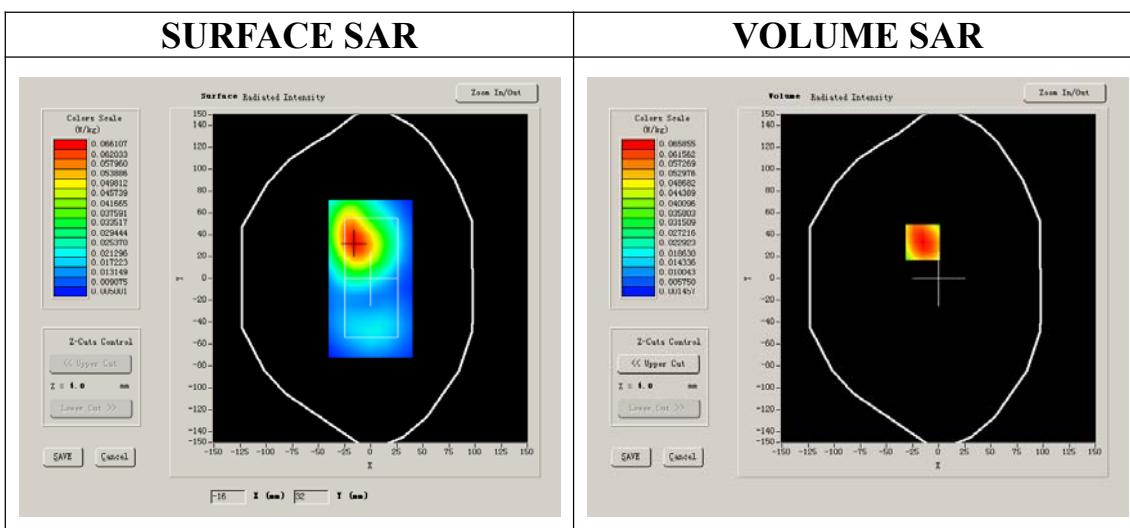
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1900
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 9400):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	52.123732
<b>Relative permittivity</b>	15.877050
<b>Conductivity (S/m)</b>	1.476213
<b>Power drift (%)</b>	0.080000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.625,34.773,38.535
<b>Crest factor:</b>	1:1



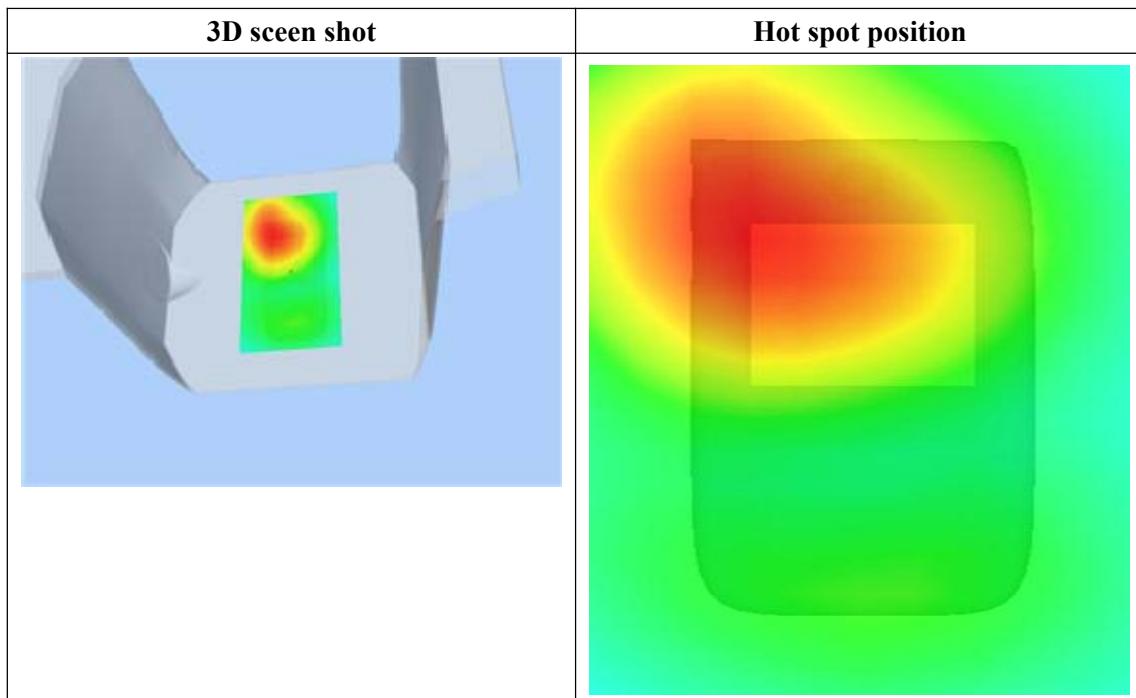
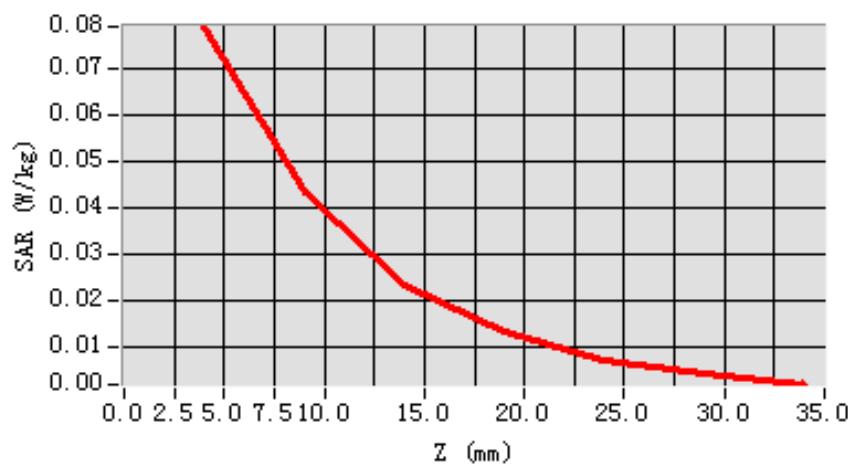
**Maximum location: X=-15.00, Y=33.00**

<b>SAR 10g (W/Kg)</b>	0.043984
<b>SAR 1g (W/Kg)</b>	0.076042

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.0790	0.0435	0.0236	0.0137	0.0074	0.0046

**SAR, Z Axis Scan (X = -15, Y = 33)**



# MEASUREMENT 49

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 14 seconds

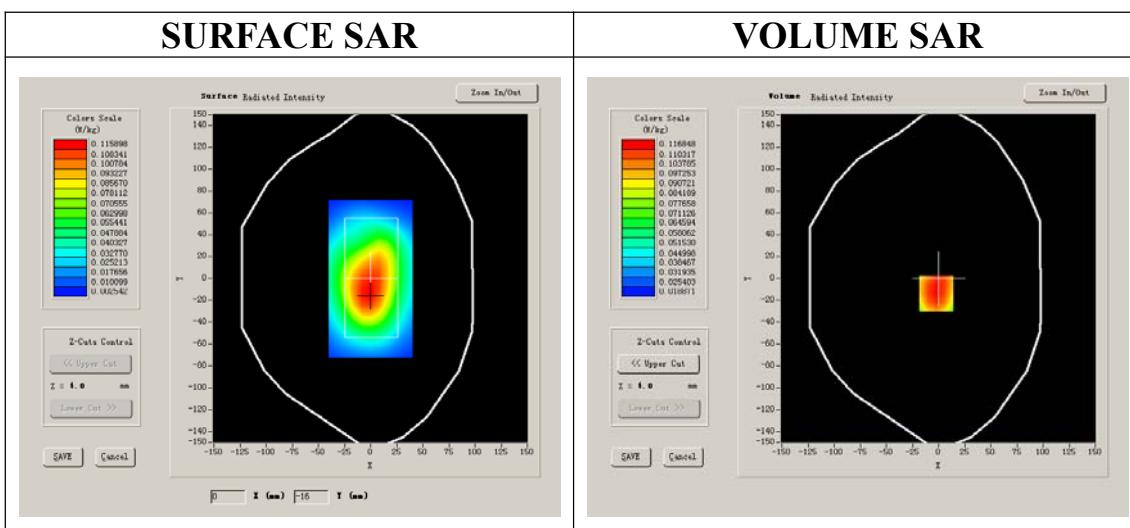
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1900
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 9400):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	52.123732
<b>Relative permittivity</b>	15.877050
<b>Conductivity (S/m)</b>	1.476213
<b>Power drift (%)</b>	-0.320000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.625,34.773,38.535
<b>Crest factor:</b>	1:1



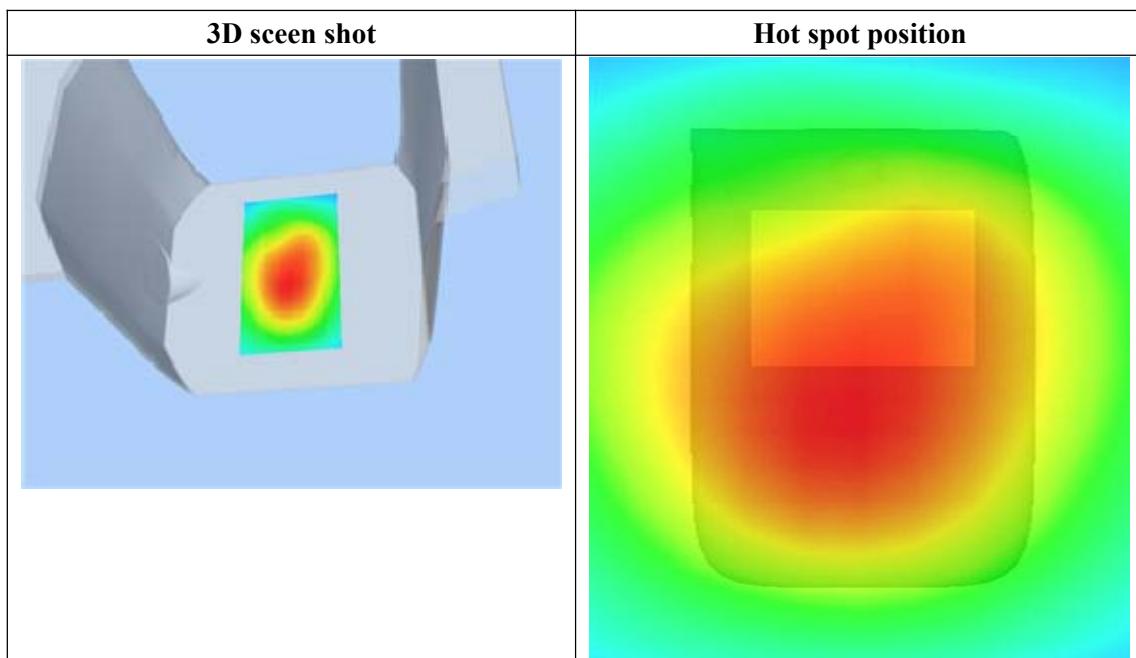
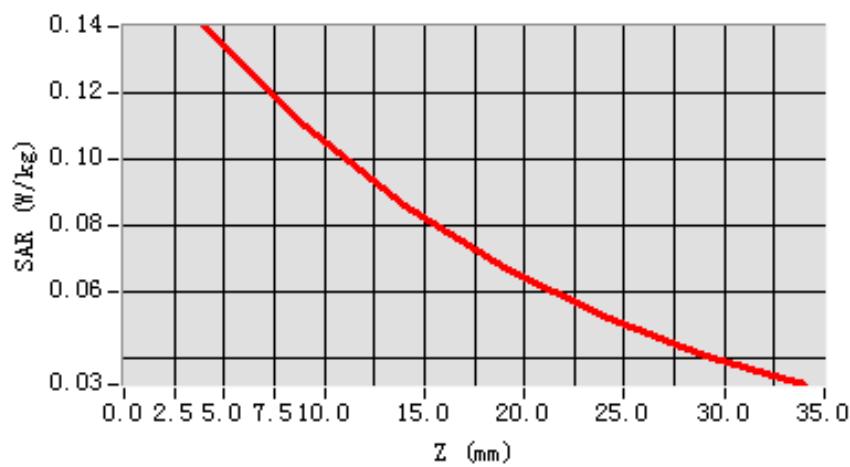
**Maximum location: X=-2.00, Y=-14.00**

<b>SAR 10g (W/Kg)</b>	0.101884
<b>SAR 1g (W/Kg)</b>	0.135792

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.1402	0.1105	0.0860	0.0671	0.0523	0.0409

**SAR, Z Axis Scan (X = -2, Y = -14)**



# MEASUREMENT 50

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 14 seconds

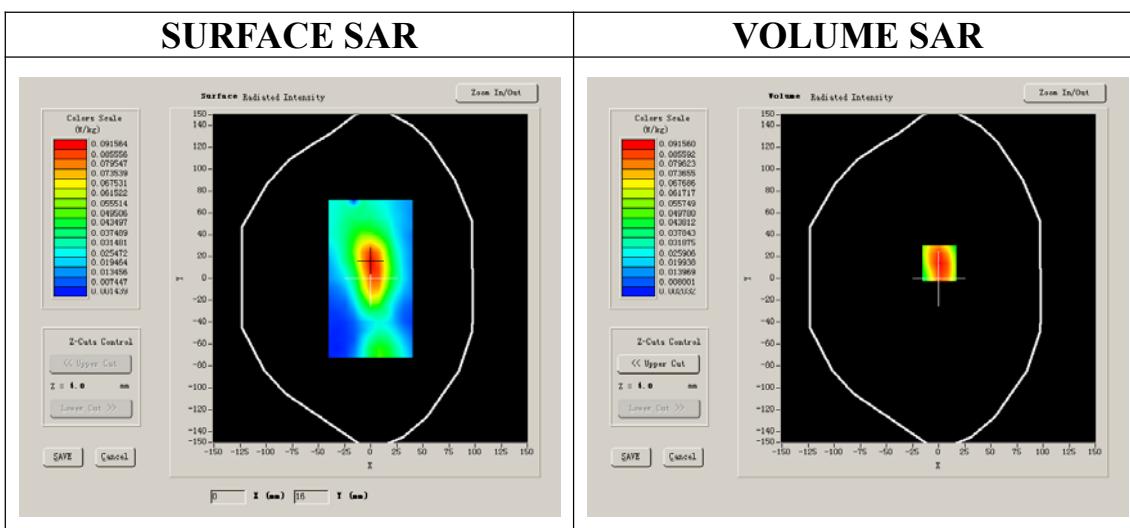
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1900
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 9400):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	52.123732
<b>Relative permittivity</b>	15.877050
<b>Conductivity (S/m)</b>	1.476213
<b>Power drift (%)</b>	-0.710000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.625,34.773,38.535
<b>Crest factor:</b>	1:1



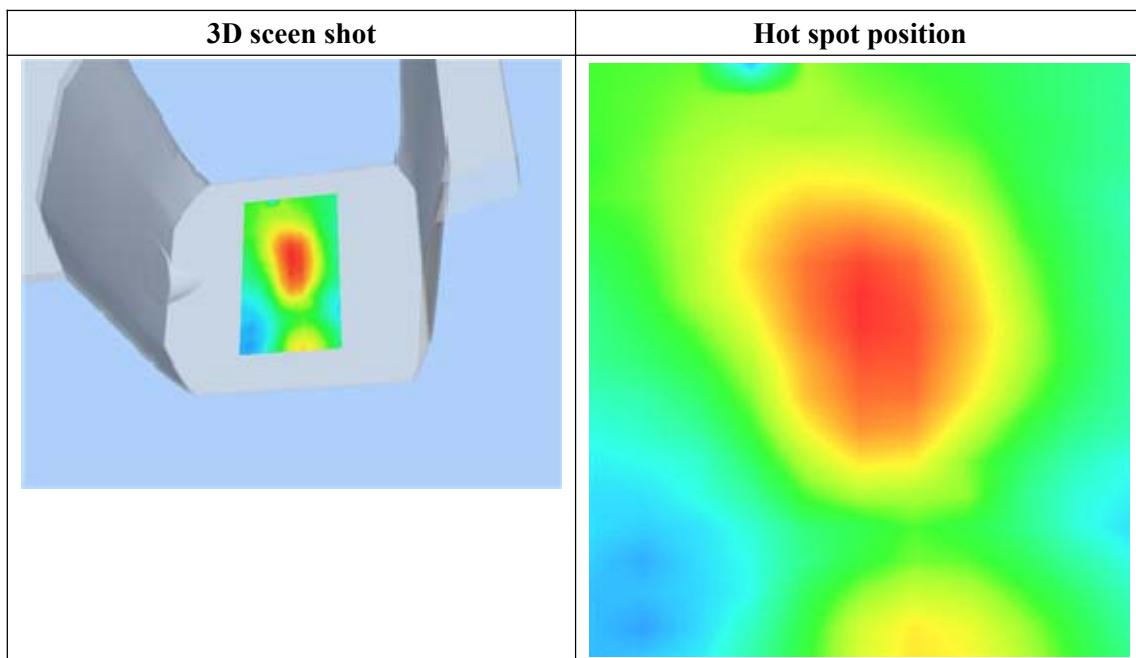
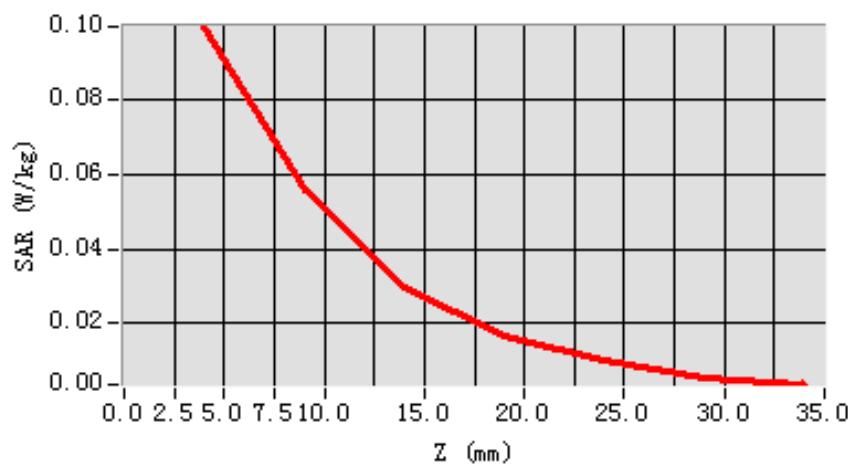
**Maximum location: X=1.00, Y=14.00**

<b>SAR 10g (W/Kg)</b>	0.054101
<b>SAR 1g (W/Kg)</b>	0.095115

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.0997	0.0560	0.0295	0.0167	0.0101	0.0056

**SAR, Z Axis Scan (X = 1, Y = 14)**



# MEASUREMENT 51

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 14 seconds

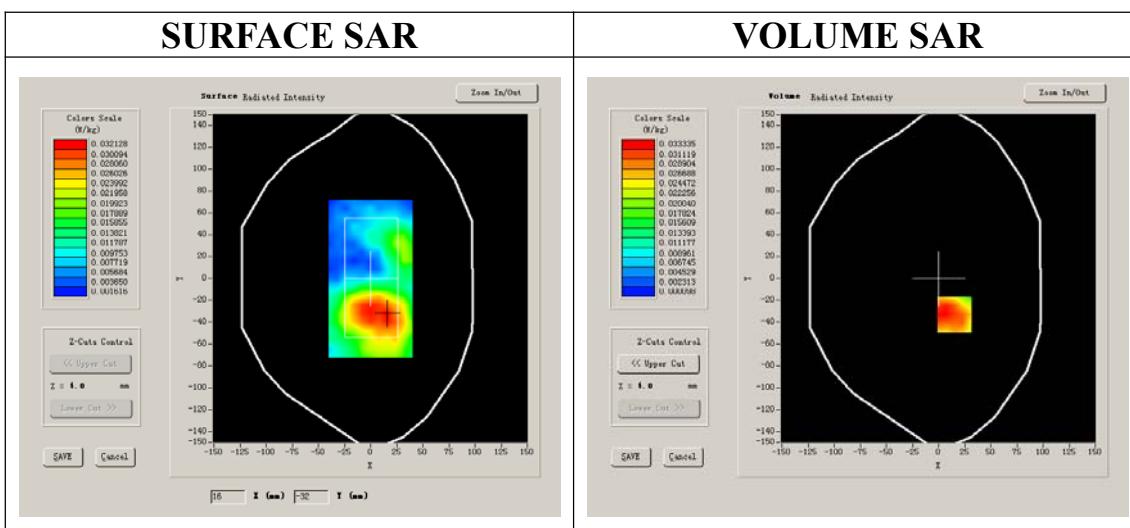
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1900
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 9400):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	52.123732
<b>Relative permittivity</b>	15.877050
<b>Conductivity (S/m)</b>	1.476213
<b>Power drift (%)</b>	-0.580000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.625,34.773,38.535
<b>Crest factor:</b>	1:1



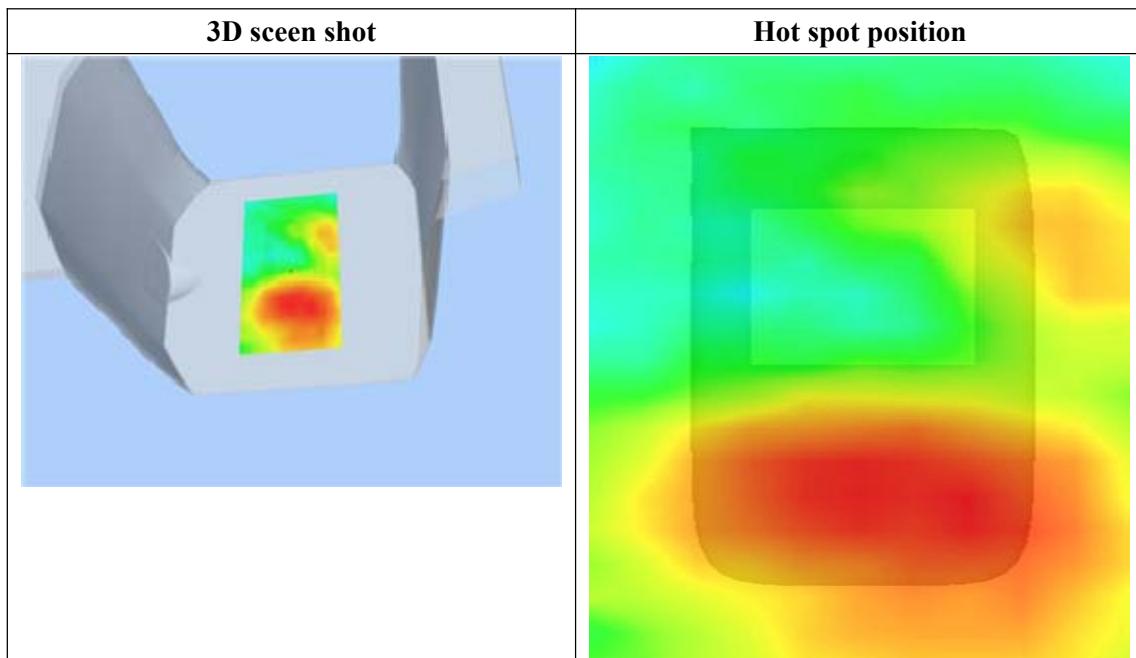
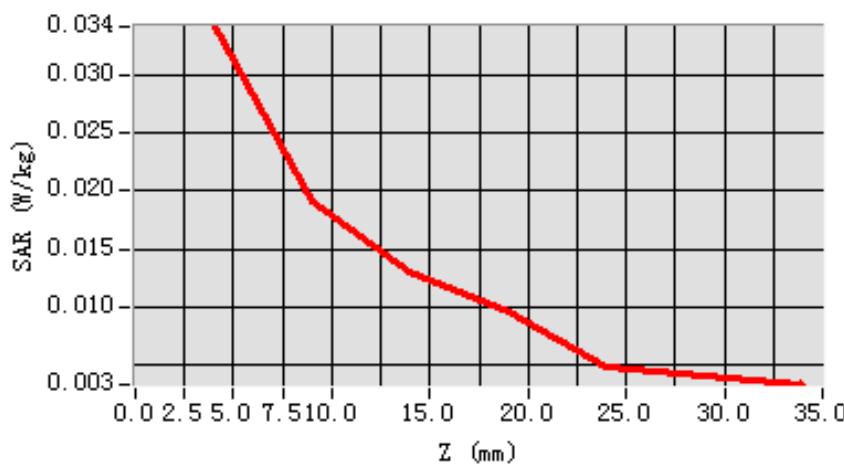
**Maximum location: X=15.00, Y=-33.00**

SAR 10g (W/Kg)	0.028087
SAR 1g (W/Kg)	0.039232

**Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.0341	0.0192	0.0130	0.0096	0.0049	0.0041

**SAR, Z Axis Scan (X = 15, Y = -33)**



# MEASUREMENT 52

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 8 minutes 17 seconds

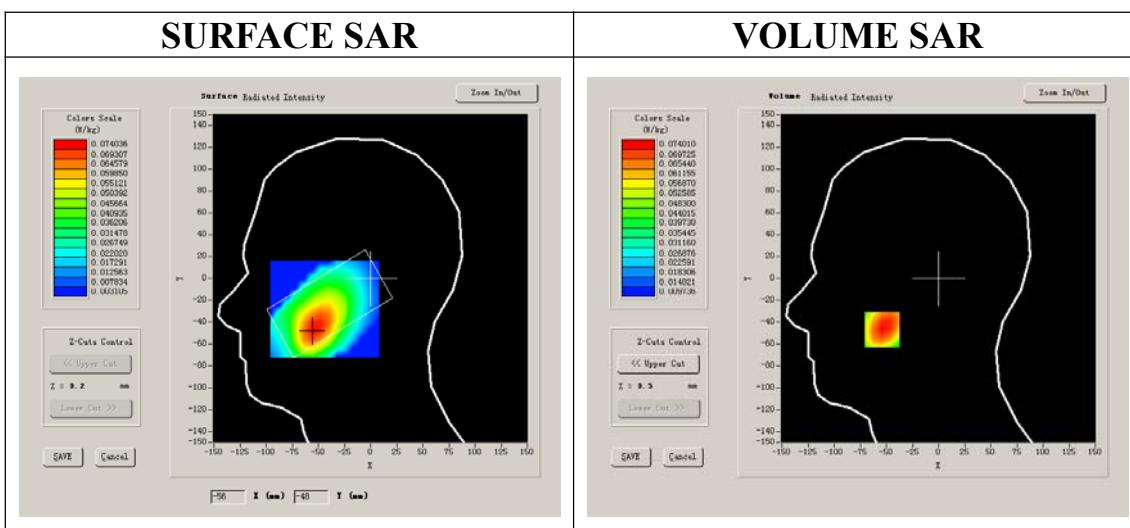
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	802.11B
<b>Channels</b>	Middle
<b>Signal</b>	DSSS

## B. SAR Measurement Results

Middle Band SAR (Channel 11)

<b>Frequency (MHz)</b>	2437.000000
<b>Relative permittivity (real part)</b>	40.153896
<b>Relative permittivity</b>	12.991650
<b>Conductivity (S/m)</b>	1.816317
<b>Power drift (%)</b>	-0.430000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	21.5°C
<b>ConvF:</b>	39.563,33.614,37.677
<b>Crest factor:</b>	1:1



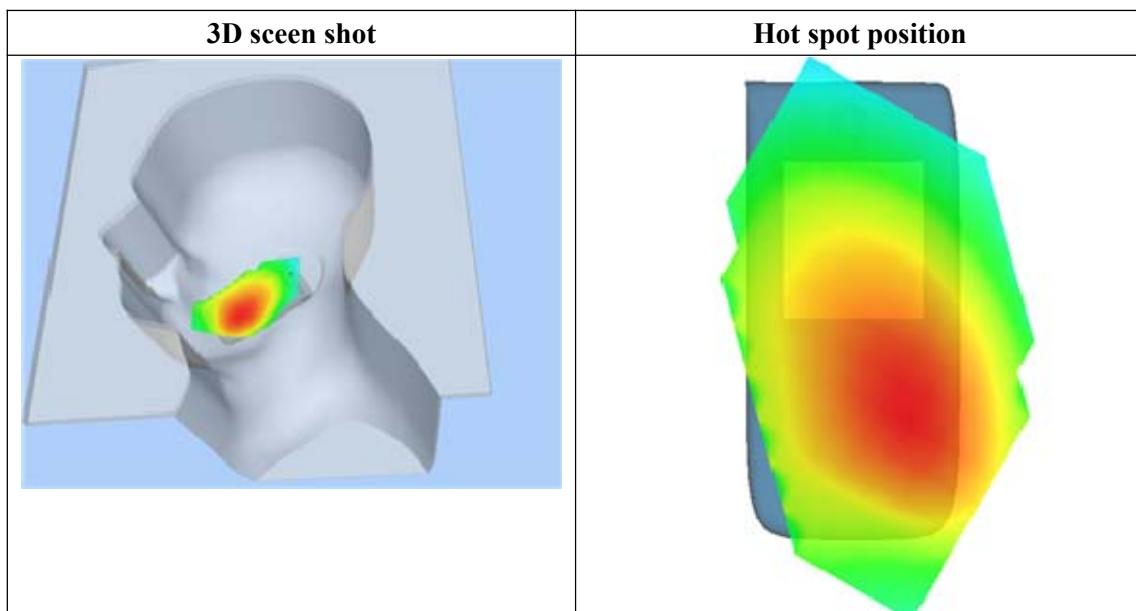
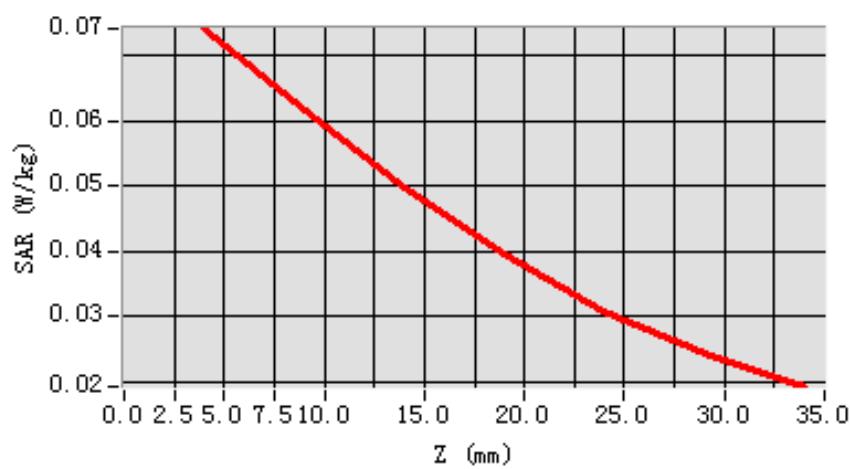
**Maximum location: X=-54.00, Y=-47.00**

<b>SAR 10g (W/Kg)</b>	0.054958
<b>SAR 1g (W/Kg)</b>	0.071413

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.0740	0.0616	0.0499	0.0395	0.0308	0.0244

**SAR, Z Axis Scan (X = -54, Y = -47)**



# MEASUREMENT 53

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 8 minutes 15 seconds

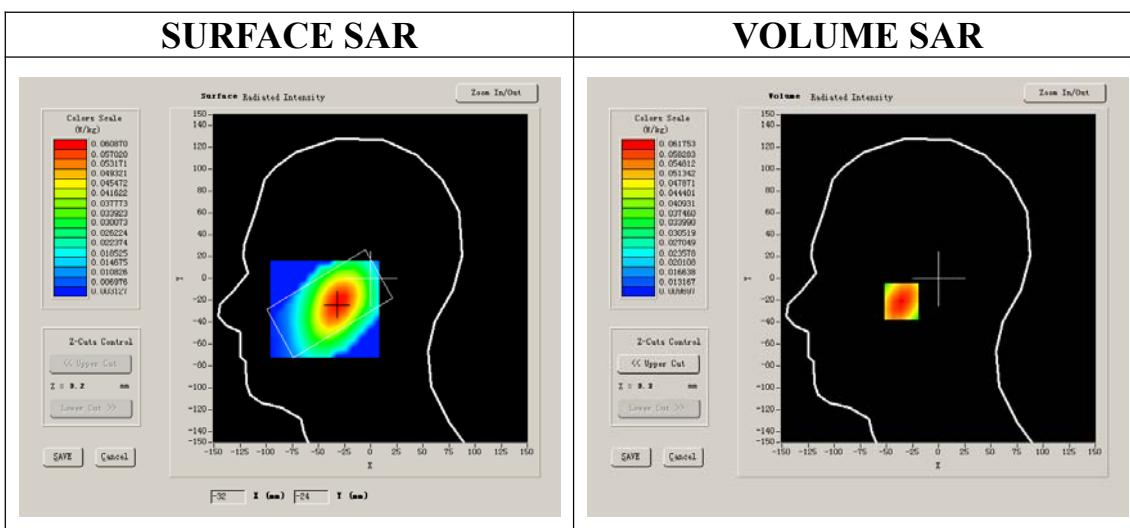
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Right head
<b>Device Position</b>	Tilt
<b>Band</b>	802.11B
<b>Channels</b>	Middle
<b>Signal</b>	DSSS

## B. SAR Measurement Results

Middle Band SAR (Channel 6)

<b>Frequency (MHz)</b>	2437.000000
<b>Relative permittivity (real part)</b>	40.153896
<b>Relative permittivity</b>	12.991650
<b>Conductivity (S/m)</b>	1.816317
<b>Power drift (%)</b>	-0.630000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	21.5°C
<b>ConvF:</b>	39.563,33.614,37.677
<b>Crest factor:</b>	1:1



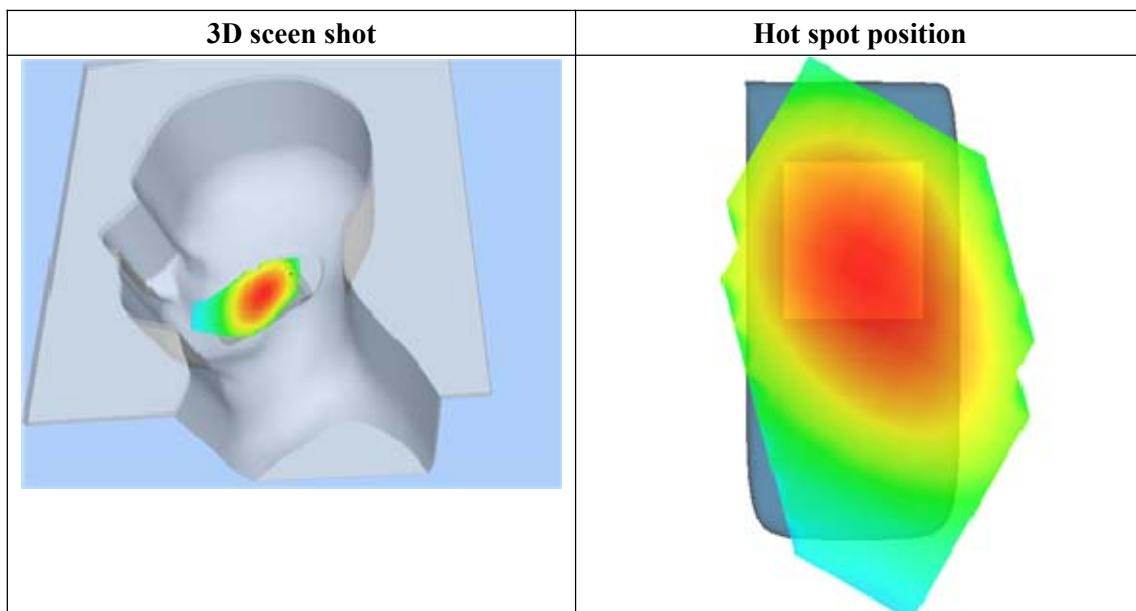
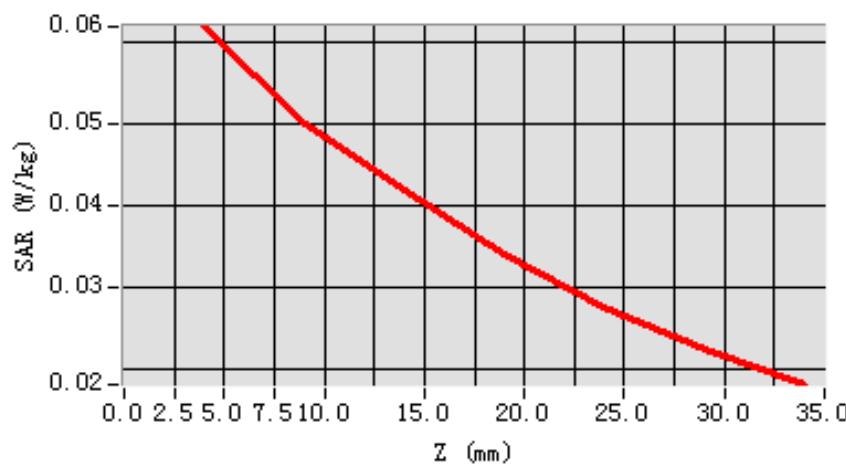
**Maximum location: X=-30.00, Y=-21.00**

<b>SAR 10g (W/Kg)</b>	0.045942
<b>SAR 1g (W/Kg)</b>	0.059640

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.0618	0.0499	0.0418	0.0339	0.0275	0.0225

**SAR, Z Axis Scan (X = -30, Y = -21)**



# MEASUREMENT 54

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 8 minutes 17 seconds

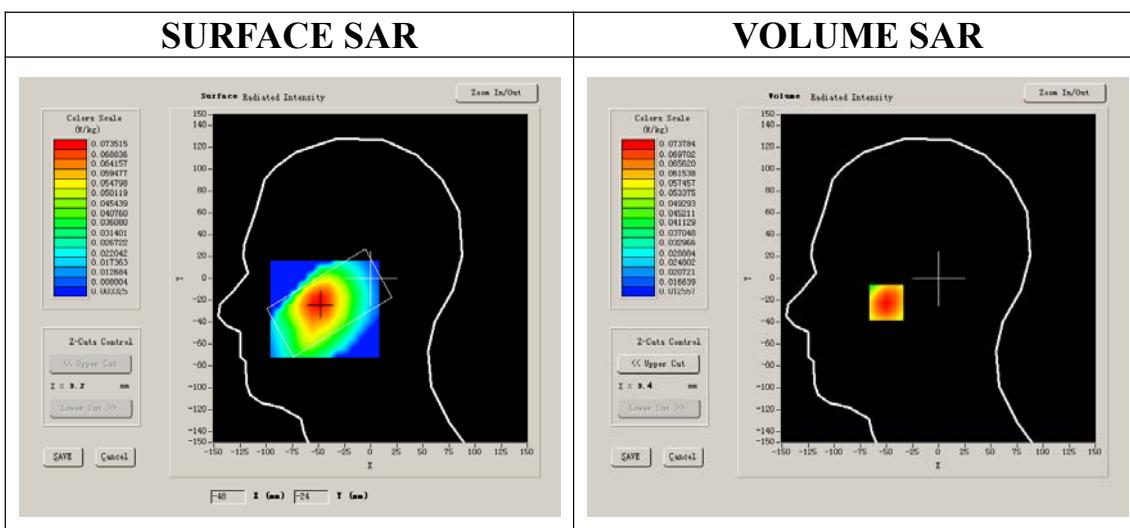
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	802.11B
<b>Channels</b>	Middle
<b>Signal</b>	DSSS

## B. SAR Measurement Results

Middle Band SAR (Channel 6)

<b>Frequency (MHz)</b>	2437.000000
<b>Relative permittivity (real part)</b>	40.153896
<b>Relative permittivity</b>	12.991650
<b>Conductivity (S/m)</b>	1.816317
<b>Power drift (%)</b>	0.510000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	21.5°C
<b>ConvF:</b>	39.563,33.614,37.677
<b>Crest factor:</b>	1:1



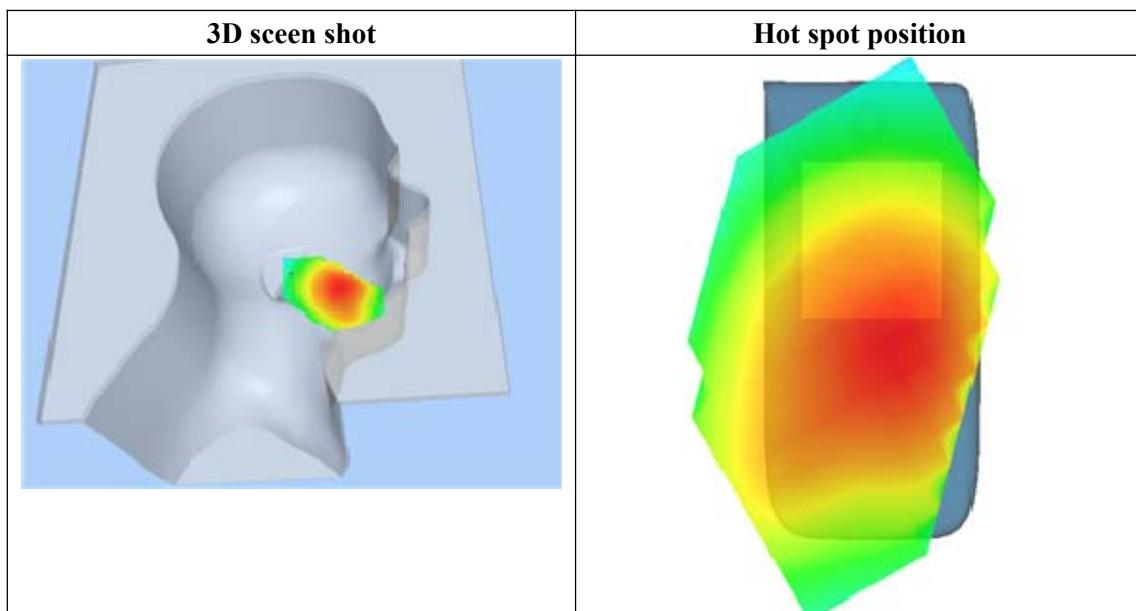
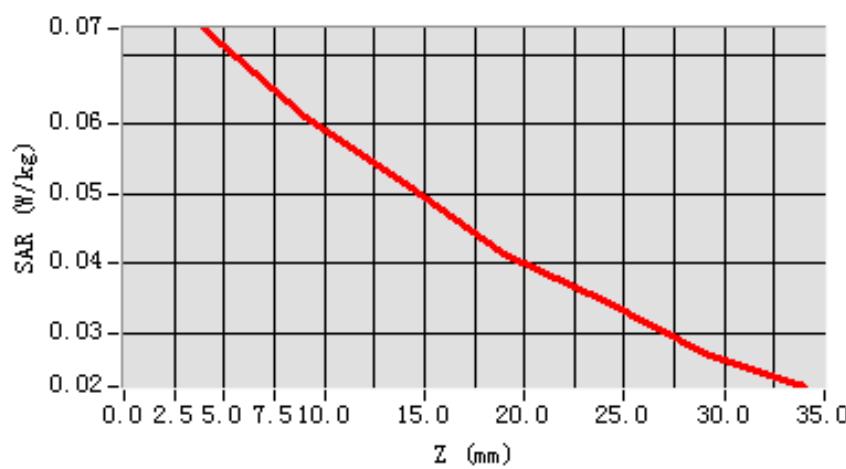
**Maximum location: X=-50.00, Y=-22.00**

<b>SAR 10g (W/Kg)</b>	0.055803
<b>SAR 1g (W/Kg)</b>	0.071690

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.0738	0.0610	0.0516	0.0413	0.0346	0.0270

**SAR, Z Axis Scan (X = -50, Y = -22)**



# MEASUREMENT 55

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 8 minutes 17 seconds

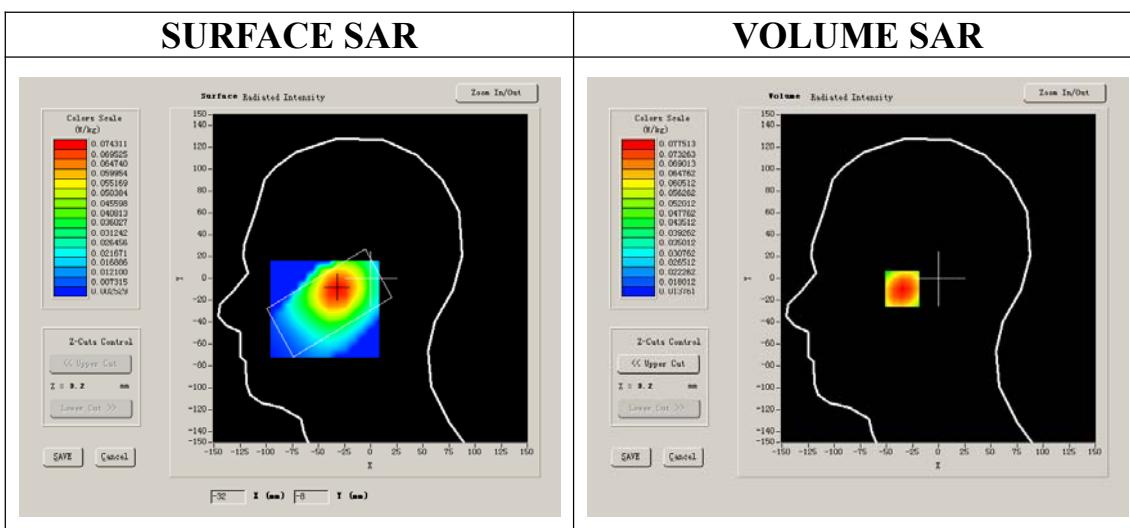
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	802.11B
<b>Channels</b>	Middle
<b>Signal</b>	DSSS

## B. SAR Measurement Results

Middle Band SAR (Channel 6)

<b>Frequency (MHz)</b>	2437.000000
<b>Relative permittivity (real part)</b>	40.153896
<b>Relative permittivity</b>	12.991650
<b>Conductivity (S/m)</b>	1.816317
<b>Power drift (%)</b>	0.620000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	21.5°C
<b>ConvF:</b>	39.563,33.614,37.677
<b>Crest factor:</b>	1:1



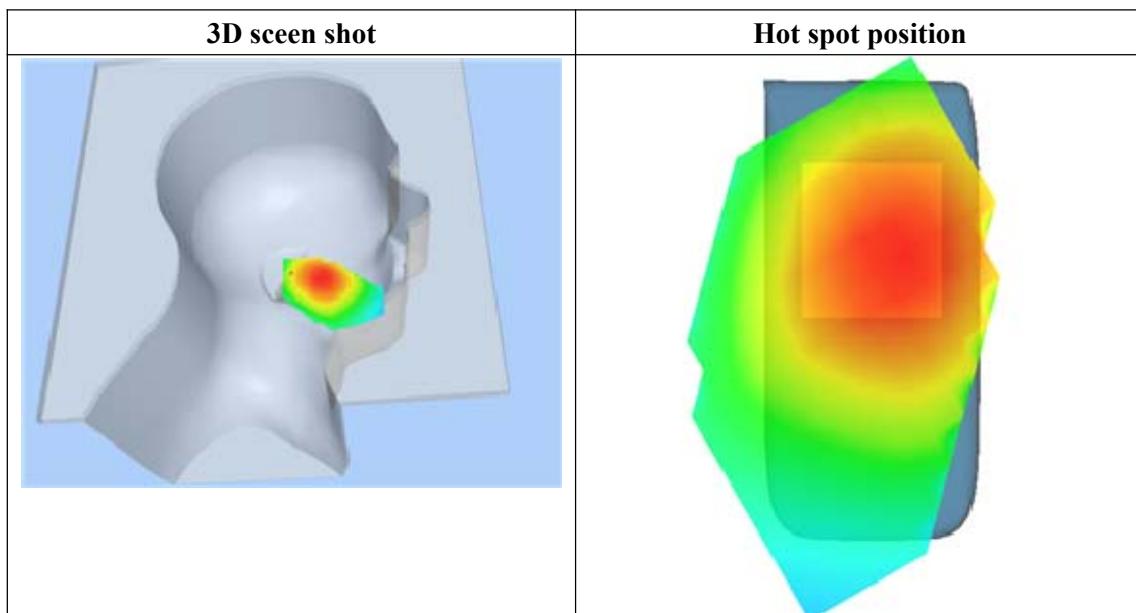
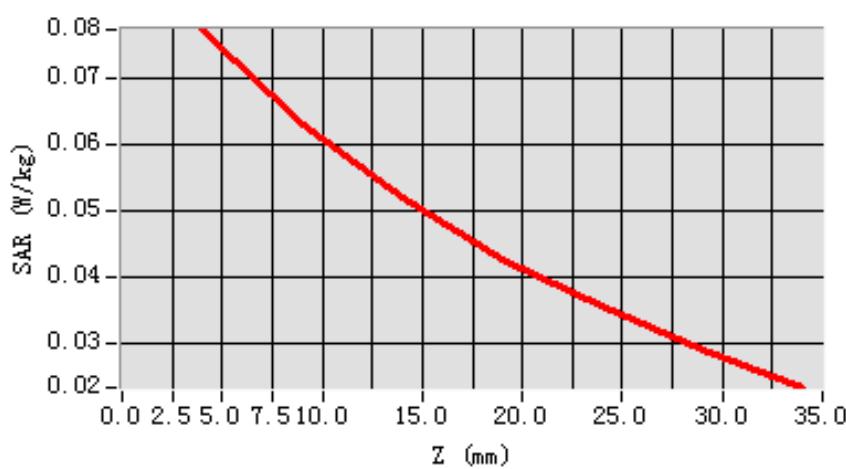
**Maximum location: X=-32.00, Y=-9.00**

<b>SAR 10g (W/Kg)</b>	0.057584
<b>SAR 1g (W/Kg)</b>	0.075132

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.0775	0.0630	0.0521	0.0426	0.0355	0.0291

**SAR, Z Axis Scan (X = -32, Y = -9)**



# MEASUREMENT 56

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 10 seconds

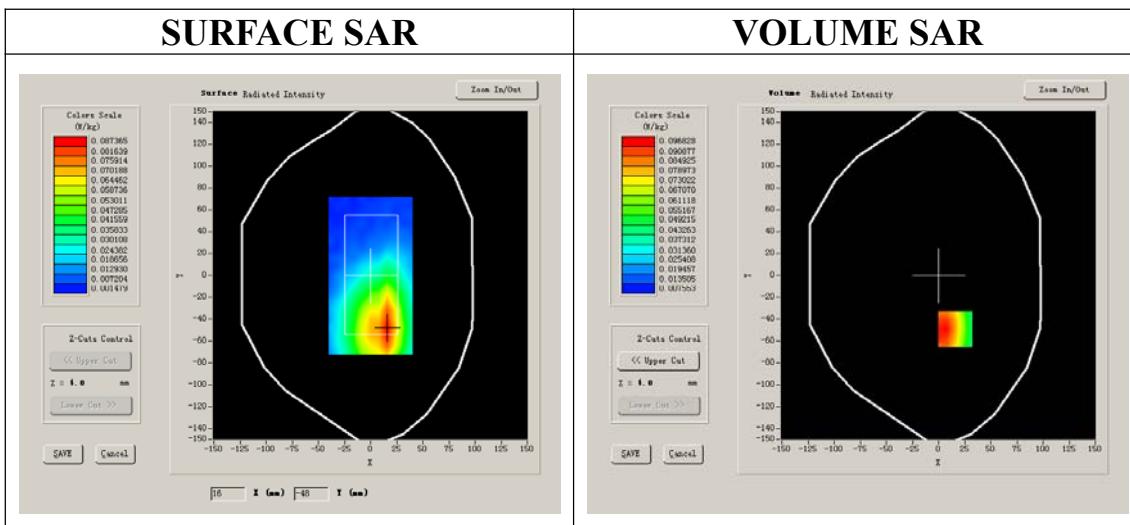
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	802.11B
<b>Channels</b>	Middle
<b>Signal</b>	DSSS

## B. SAR Measurement Results

Middle Band SAR (Channel 6)

<b>Frequency (MHz)</b>	2437.000000
<b>Relative permittivity (real part)</b>	52.578063
<b>Relative permittivity</b>	12.991650
<b>Conductivity (S/m)</b>	1.862317
<b>Power drift (%)</b>	-1.710000
<b>Ambient Temperature:</b>	22.0°C
<b>Liquid Temperature:</b>	21.8°C
<b>ConvF:</b>	39.772,33.946,37.835
<b>Crest factor:</b>	1:1



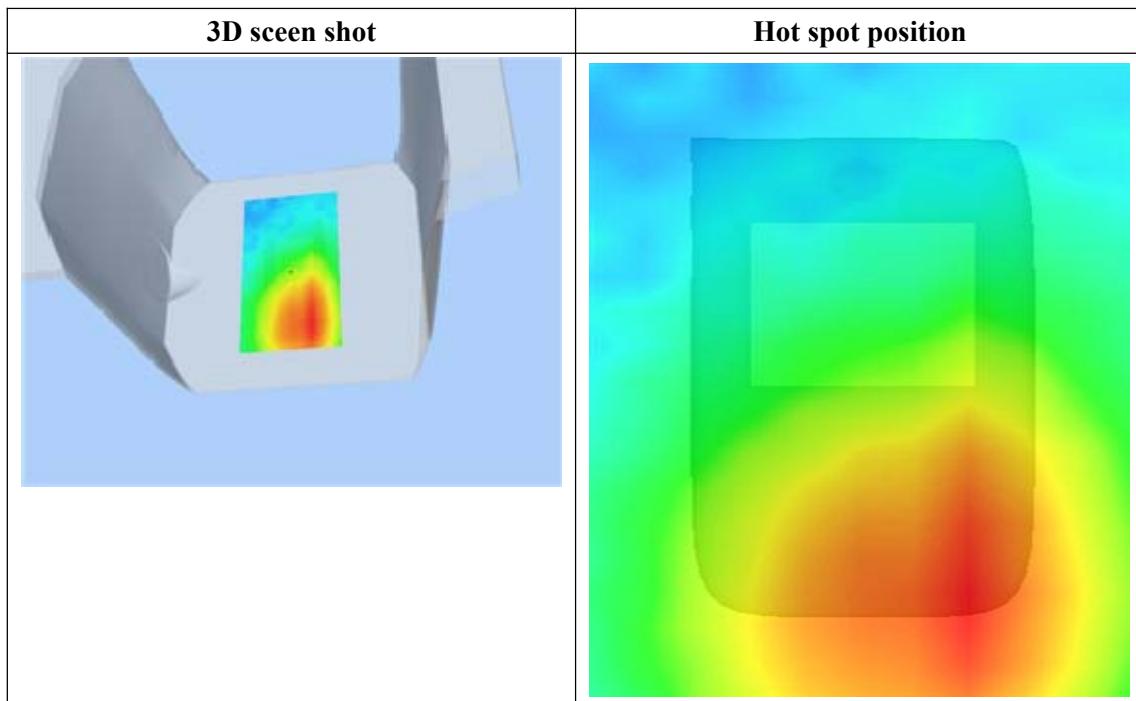
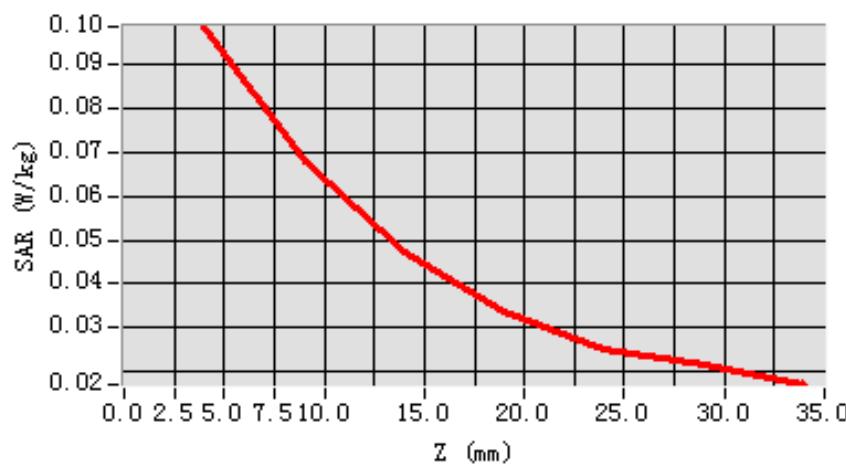
**Maximum location: X=16.00, Y=-49.00**

<b>SAR 10g (W/Kg)</b>	0.072194
<b>SAR 1g (W/Kg)</b>	0.107767

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.0988	0.0678	0.0473	0.0335	0.0249	0.0213

**SAR, Z Axis Scan (X = 16, Y = -49)**



# MEASUREMENT 57

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 10 seconds

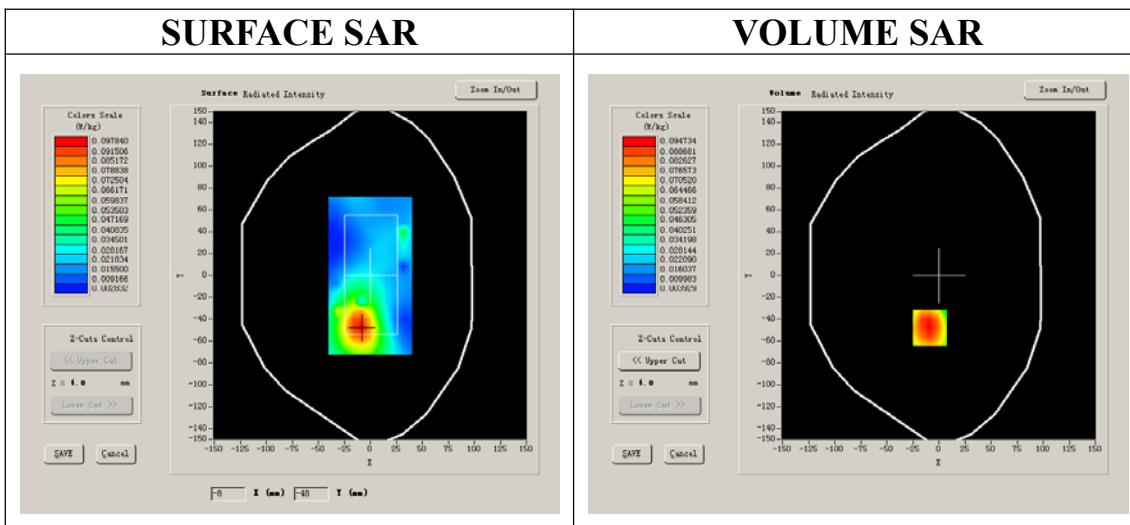
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	802.11B
<b>Channels</b>	Middle
<b>Signal</b>	DSSS

## B. SAR Measurement Results

Middle Band SAR (Channel 6)

<b>Frequency (MHz)</b>	2437.000000
<b>Relative permittivity (real part)</b>	52.578063
<b>Relative permittivity</b>	12.991650
<b>Conductivity (S/m)</b>	1.862317
<b>Power drift (%)</b>	-1.520000
<b>Ambient Temperature:</b>	22.0°C
<b>Liquid Temperature:</b>	21.8°C
<b>ConvF:</b>	39.772,33.946,37.835
<b>Crest factor:</b>	1:1



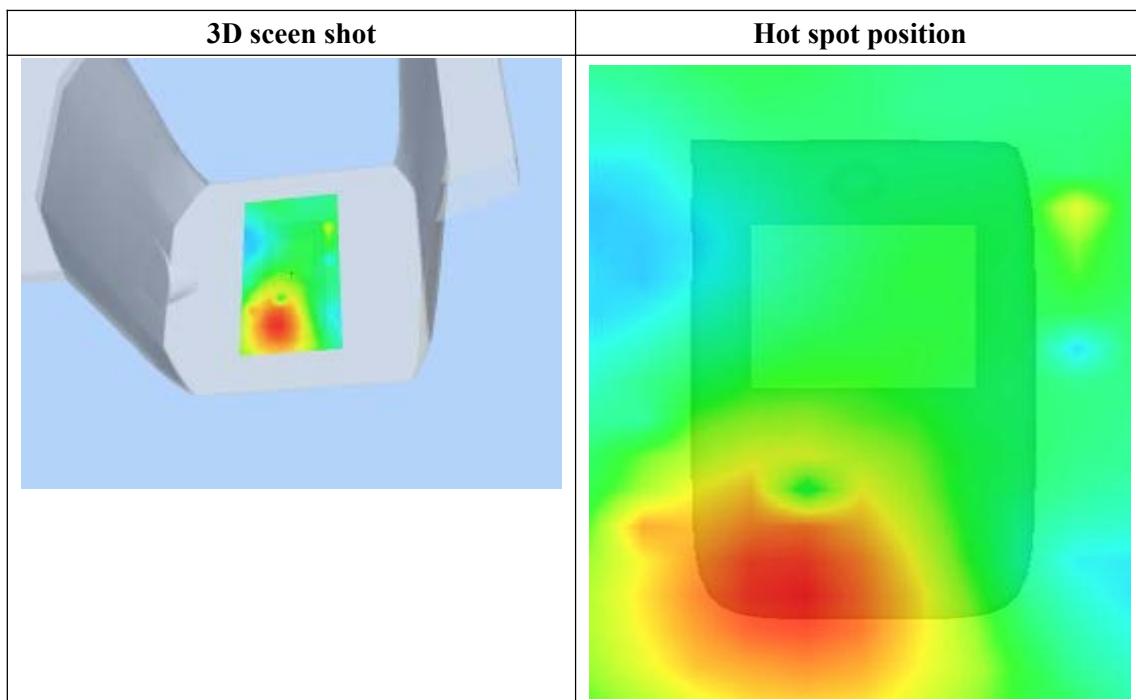
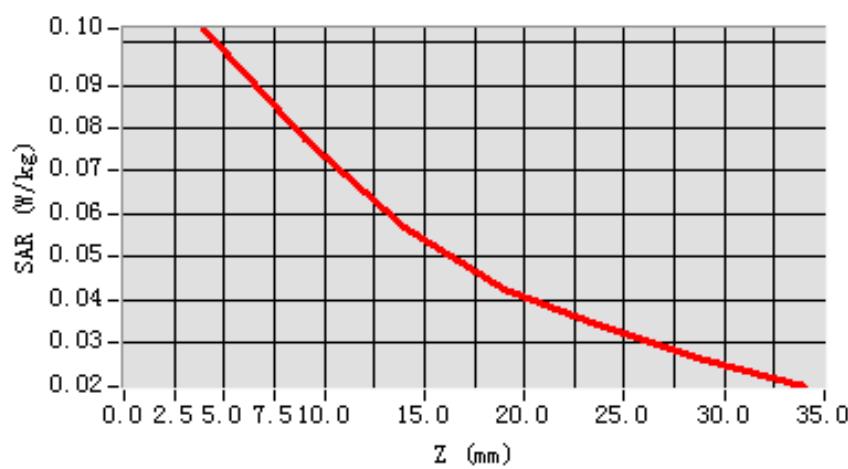
**Maximum location: X=-9.00, Y=-48.00**

<b>SAR 10g (W/Kg)</b>	0.068440
<b>SAR 1g (W/Kg)</b>	0.098294

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	0.1032	0.0773	0.0568	0.0424	0.0337	0.0260

**SAR, Z Axis Scan (X = -9, Y = -48)**



# MEASUREMENT 58

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 10 seconds

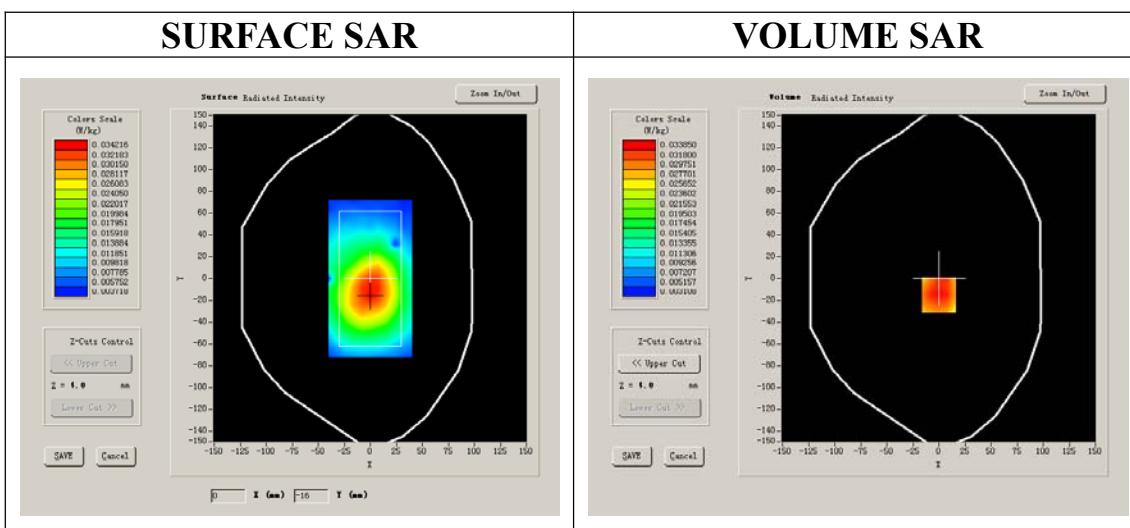
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	802.11B
<b>Channels</b>	Middle
<b>Signal</b>	DSSS

## B. SAR Measurement Results

Middle Band SAR (Channel 6)

<b>Frequency (MHz)</b>	2437.000000
<b>Relative permittivity (real part)</b>	52.578063
<b>Relative permittivity</b>	12.991650
<b>Conductivity (S/m)</b>	1.862317
<b>Power drift (%)</b>	-2.420000
<b>Ambient Temperature:</b>	22.0°C
<b>Liquid Temperature:</b>	21.8°C
<b>ConvF:</b>	39.772,33.946,37.835
<b>Crest factor:</b>	1:1



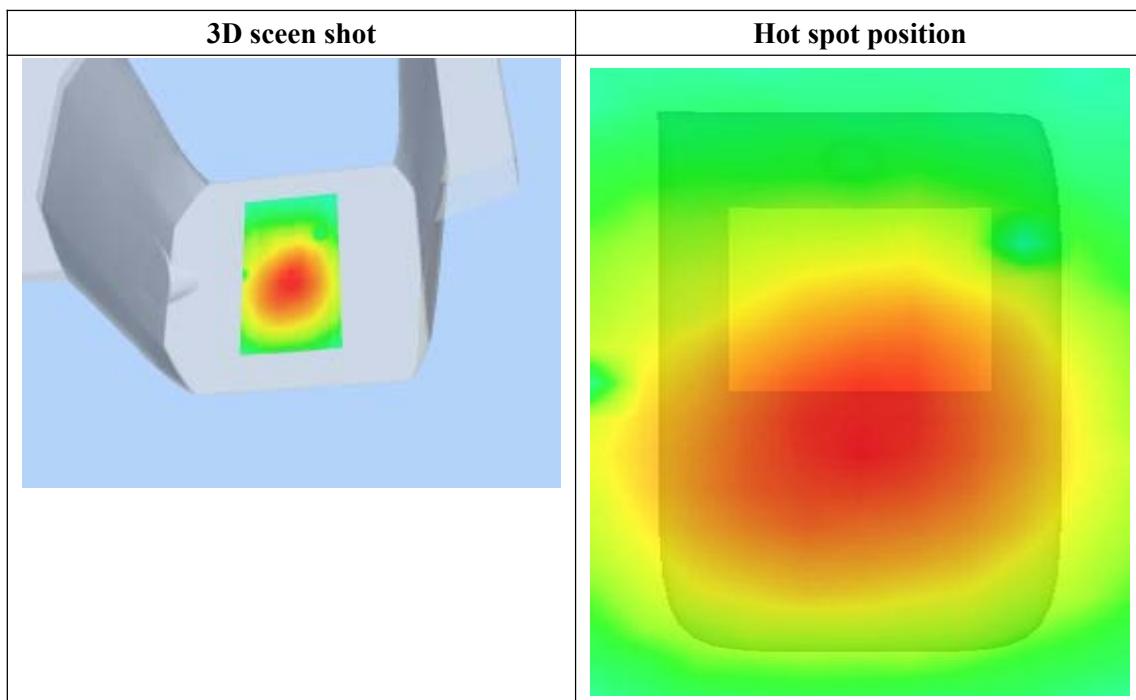
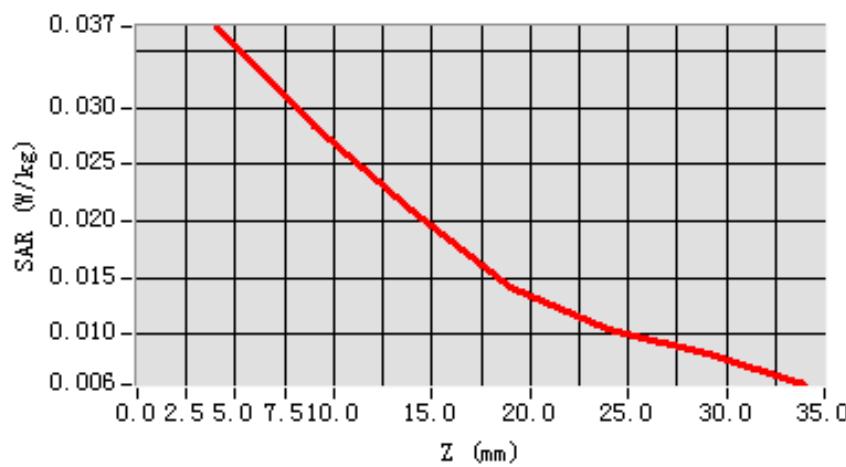
**Maximum location: X=0.00, Y=-15.00**

SAR 10g (W/Kg)	0.024740
SAR 1g (W/Kg)	0.035394

**Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.0372	0.0283	0.0209	0.0142	0.0105	0.0083

**SAR, Z Axis Scan (X = 0, Y = -15)**



# MEASUREMENT 59

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 9 minutes 10 seconds

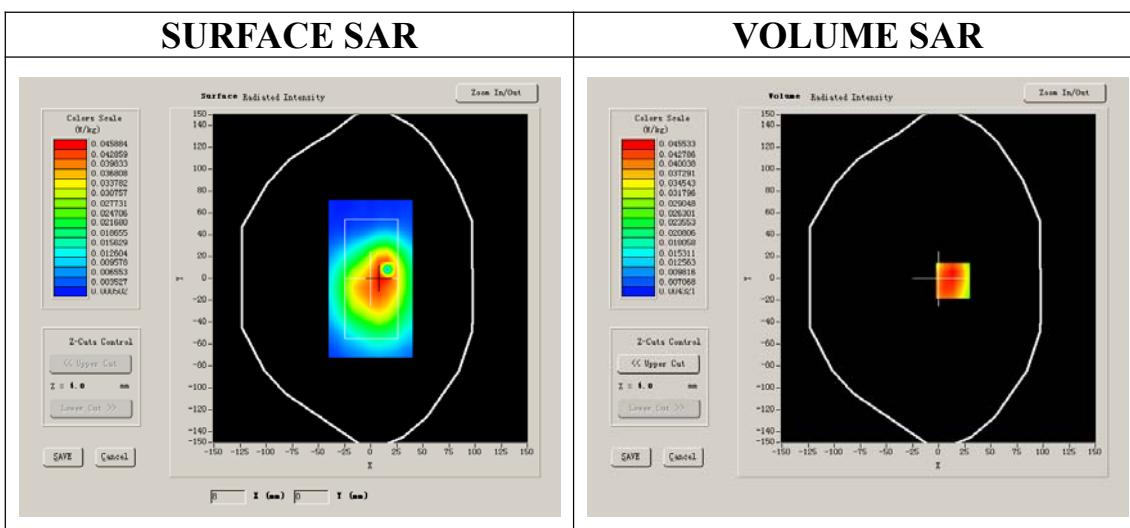
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	802.11B
<b>Channels</b>	Middle
<b>Signal</b>	DSSS

## B. SAR Measurement Results

Middle Band SAR (Channel 6)

<b>Frequency (MHz)</b>	2437.000000
<b>Relative permittivity (real part)</b>	52.578063
<b>Relative permittivity</b>	12.991650
<b>Conductivity (S/m)</b>	1.862317
<b>Power drift (%)</b>	-0.940000
<b>Ambient Temperature:</b>	22.0°C
<b>Liquid Temperature:</b>	21.8°C
<b>ConvF:</b>	39.772,33.946,37.835
<b>Crest factor:</b>	1:1



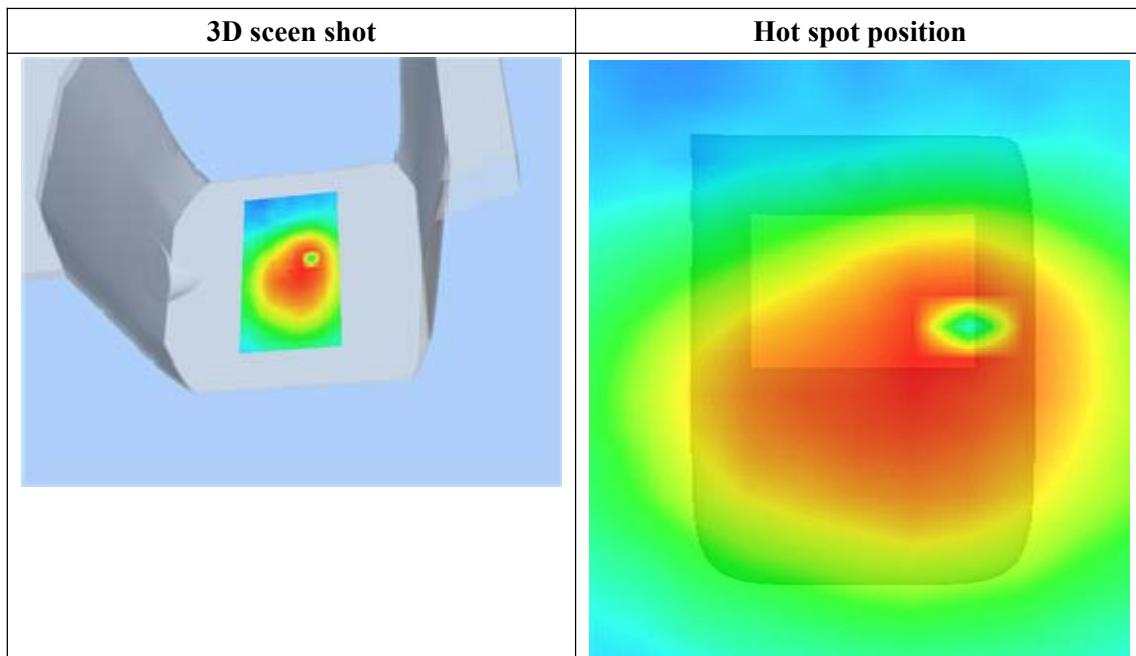
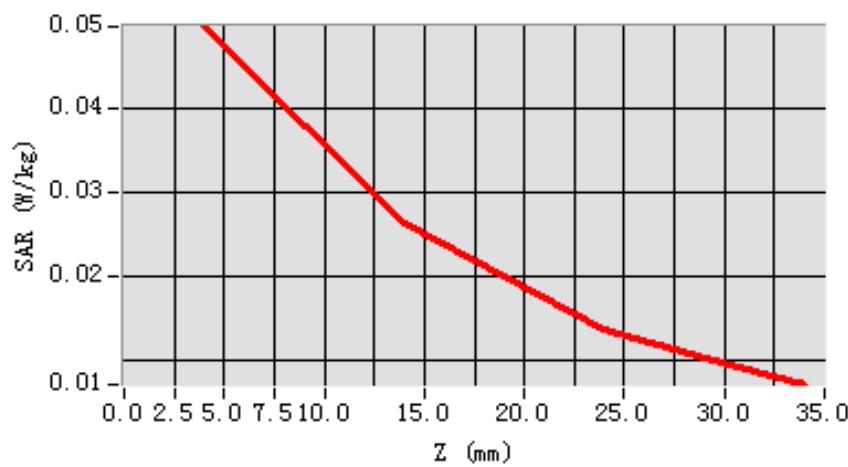
**Maximum location: X=14.00, Y=-2.00**

SAR 10g (W/Kg)	0.031504
SAR 1g (W/Kg)	0.047848

**Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.0497	0.0378	0.0264	0.0199	0.0137	0.0102

**SAR, Z Axis Scan (X = 14, Y = -2)**



# System Performance Check Data(Head)

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 13 minutes 27 seconds

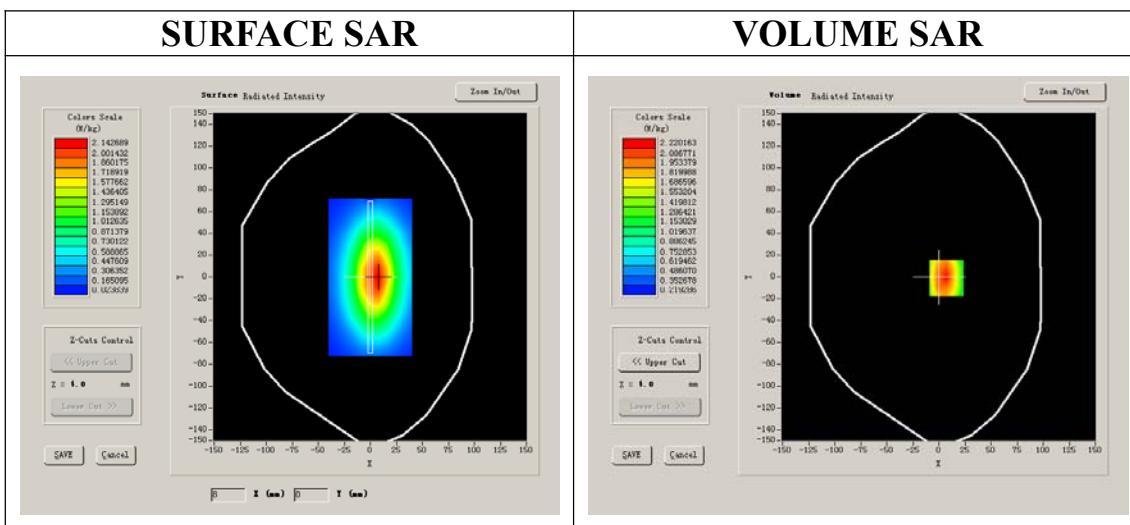
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	
<b>Band</b>	835MHz
<b>Channels</b>	
<b>Signal</b>	CW

## B. SAR Measurement Results

### Band SAR

<b>Frequency (MHz)</b>	835.000000
<b>Relative permittivity (real part)</b>	41.254173
<b>Relative permittivity</b>	15.070000
<b>Conductivity (S/m)</b>	0.903135
<b>Power drift (%)</b>	-0.310000
<b>Ambient Temperature:</b>	22.4°C
<b>Liquid Temperature:</b>	21.5°C
<b>ConvF:</b>	28.479,25.214,27.196
<b>Crest factor:</b>	1:1



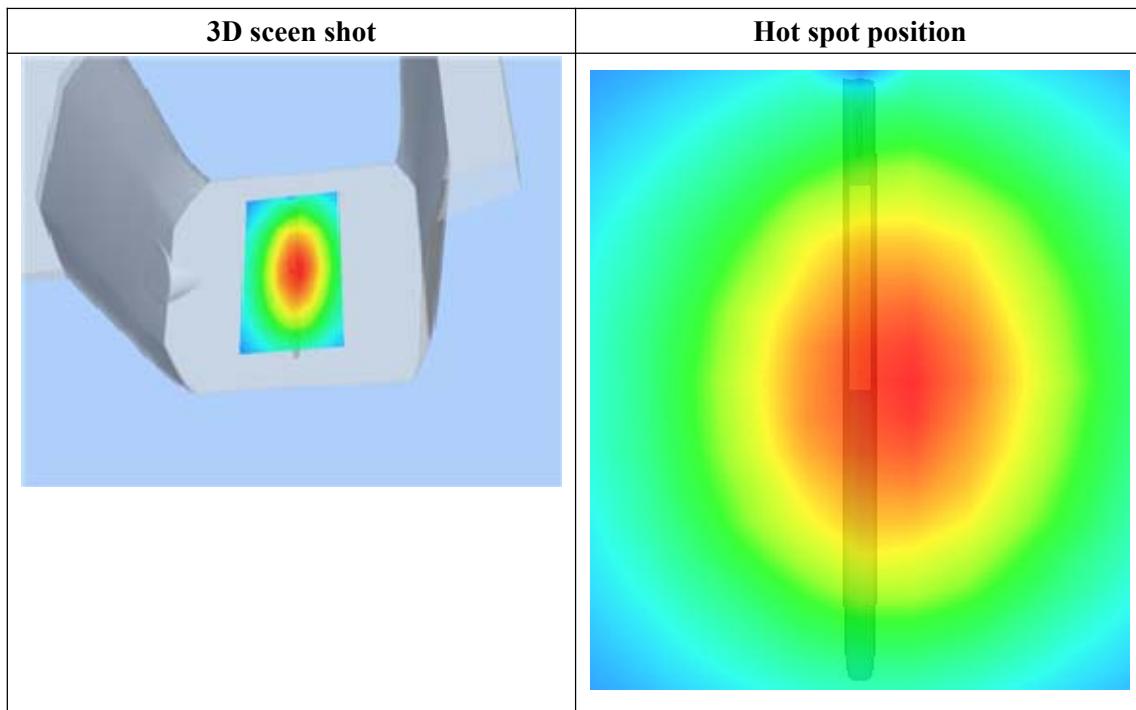
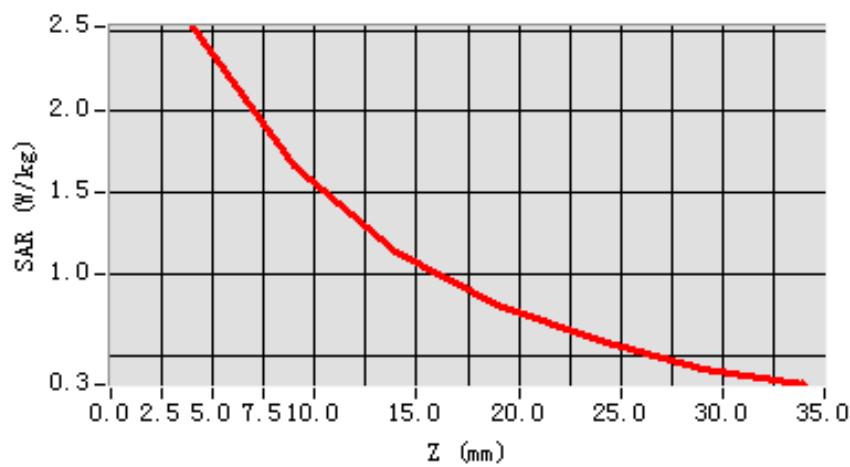
**Maximum location: X=7.00, Y=-1.00**

<b>SAR 10g (W/Kg)</b>	1.539476
<b>SAR 1g (W/Kg)</b>	2.385979

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	2.5209	1.6629	1.1437	0.8075	0.5889	0.4143

**SAR, Z Axis Scan (X = 7, Y = -1)**



# System Performance Check Data(Body)

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 13 minutes 27 seconds

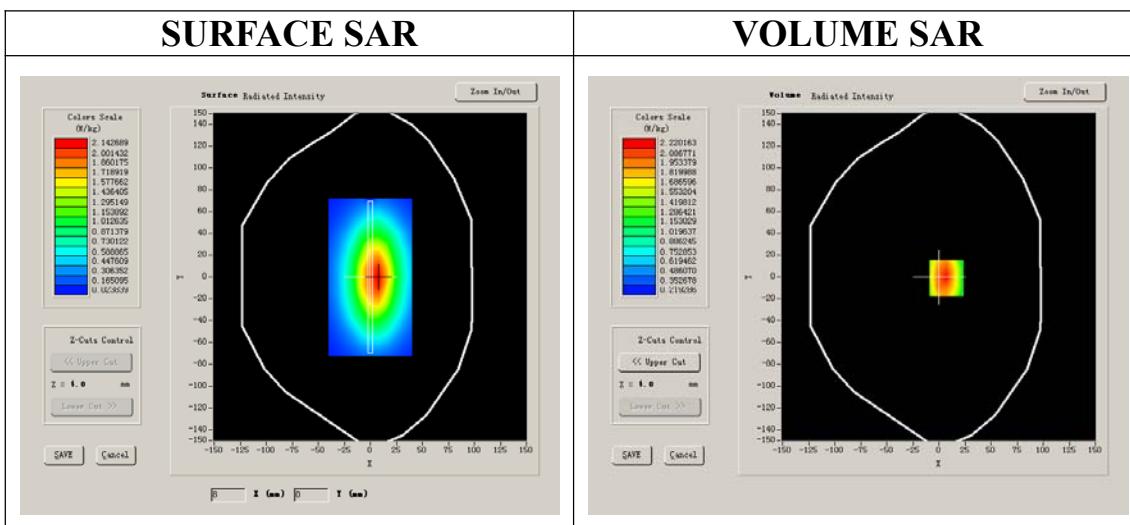
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	
<b>Band</b>	835MHz
<b>Channels</b>	
<b>Signal</b>	CW

## B. SAR Measurement Results

### Band SAR

<b>Frequency (MHz)</b>	835.000000
<b>Relative permittivity (real part)</b>	54.283123
<b>Relative permittivity</b>	21.709999
<b>Conductivity (S/m)</b>	0.932714
<b>Power drift (%)</b>	-0.170000
<b>Ambient Temperature:</b>	22.4°C
<b>Liquid Temperature:</b>	21.5°C
<b>ConvF:</b>	28.559,25.681,27.588
<b>Crest factor:</b>	1:1



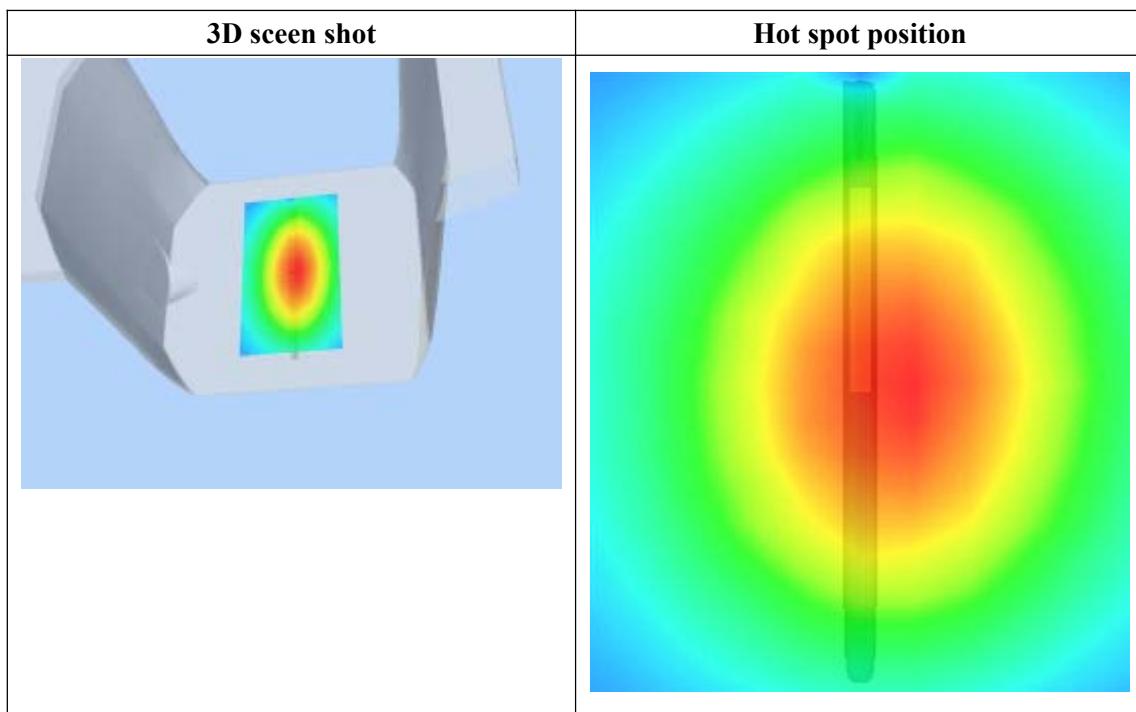
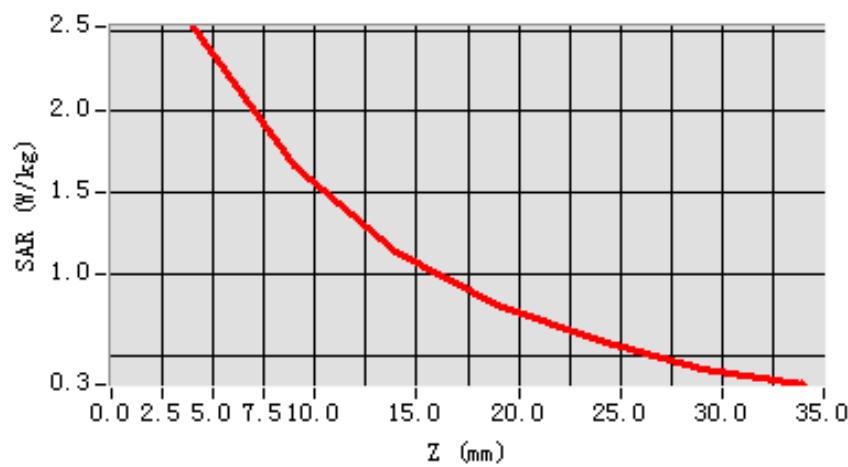
**Maximum location: X=7.00, Y=-1.00**

<b>SAR 10g (W/Kg)</b>	1.497122
<b>SAR 1g (W/Kg)</b>	2.379818

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	2.5209	1.6629	1.1437	0.8075	0.5889	0.4143

**SAR, Z Axis Scan (X = 7, Y = -1)**



# System Performance Check Data(Head)

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 13 minutes 27 seconds

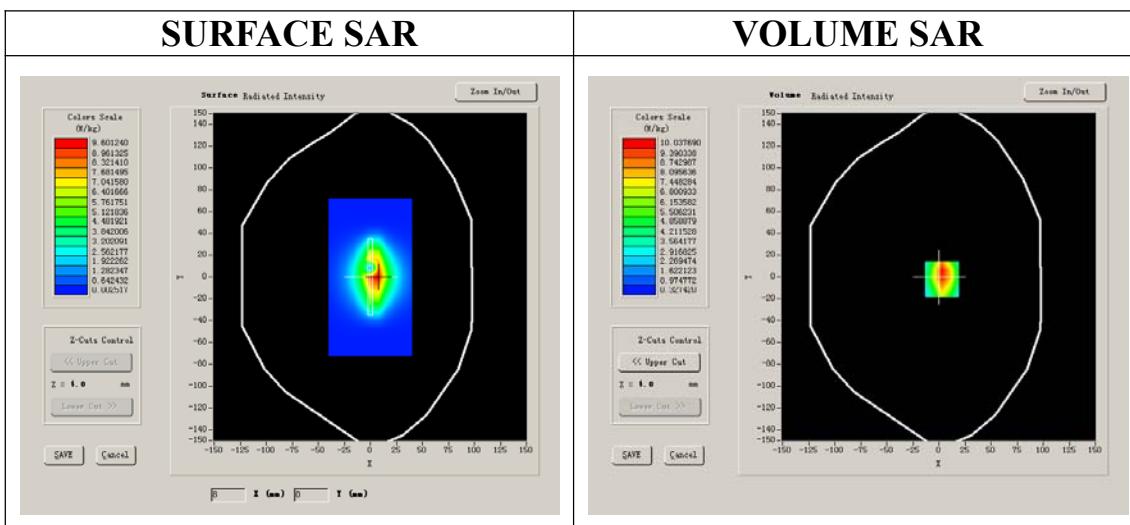
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	
<b>Band</b>	1800MHz
<b>Channels</b>	
<b>Signal</b>	CW

## B. SAR Measurement Results

### Band SAR

<b>Frequency (MHz)</b>	1800.000000
<b>Relative permittivity (real part)</b>	40.169997
<b>Relative permittivity</b>	15.070000
<b>Conductivity (S/m)</b>	1.449217
<b>Power drift (%)</b>	-0.820000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.6°C
<b>ConvF:</b>	42.533,36.791,41.019
<b>Crest factor:</b>	1:1



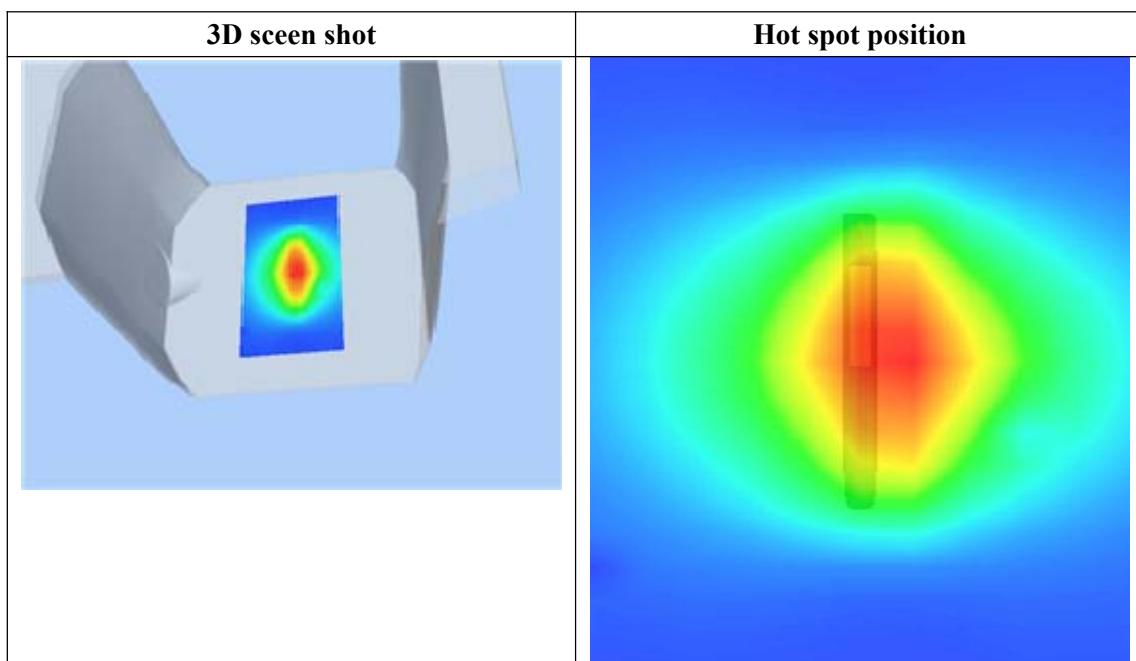
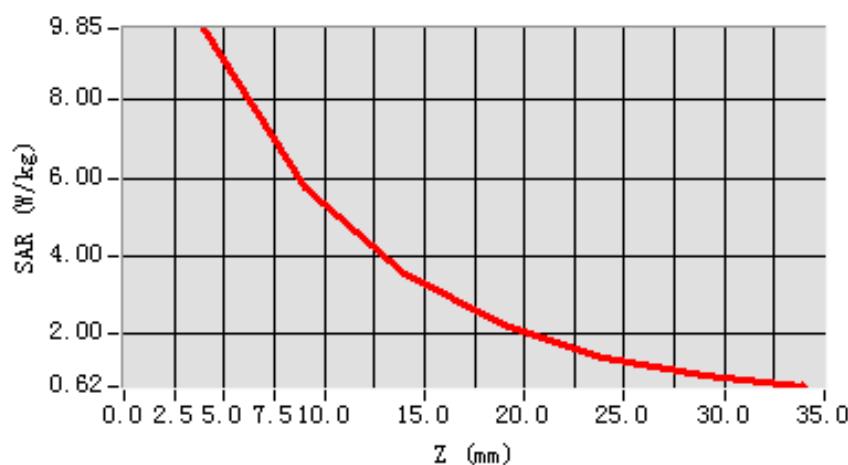
**Maximum location: X=3.00, Y=-2.00**

SAR 10g (W/Kg)	5.233842
SAR 1g (W/Kg)	9.556460

**Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	9.8504	5.7592	3.5340	2.1937	1.3905	0.9106

**SAR, Z Axis Scan (X = 3, Y = -2)**



# System Performance Check Data(Body)

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 13 minutes 26 seconds

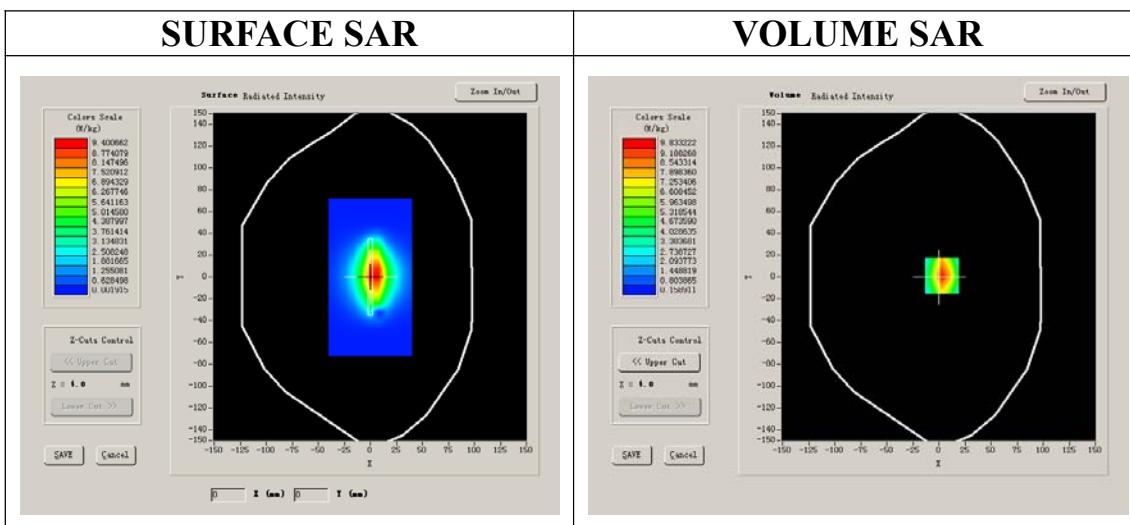
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	
<b>Band</b>	1800MHz
<b>Channels</b>	
<b>Signal</b>	CW

## B. SAR Measurement Results

### Band SAR

<b>Frequency (MHz)</b>	1800.000000
<b>Relative permittivity (real part)</b>	52.419854
<b>Relative permittivity</b>	14.070000
<b>Conductivity (S/m)</b>	1.502654
<b>Power drift (%)</b>	-0.710000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.6°C
<b>ConvF:</b>	42.982, 37.514, 41.835
<b>Crest factor:</b>	1:1



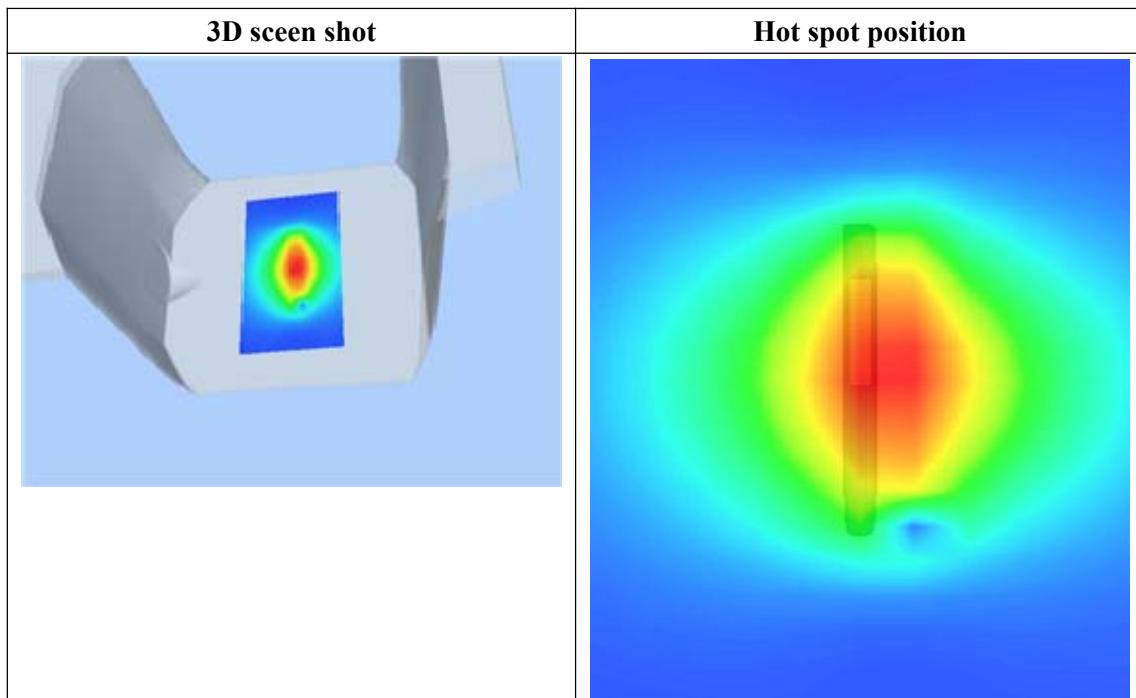
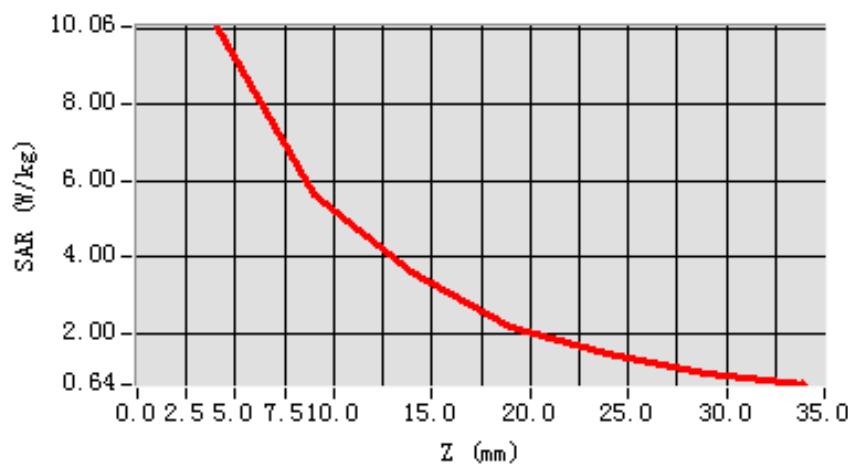
**Maximum location: X=3.00, Y=1.00**

<b>SAR 10g (W/Kg)</b>	4.981611
<b>SAR 1g (W/Kg)</b>	9.340177

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	10.0621	5.6445	3.6226	2.1642	1.4521	0.9078

**SAR, Z Axis Scan (X = 3, Y = 1)**



# System Performance Check Data(Head)

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 13 minutes 27 seconds

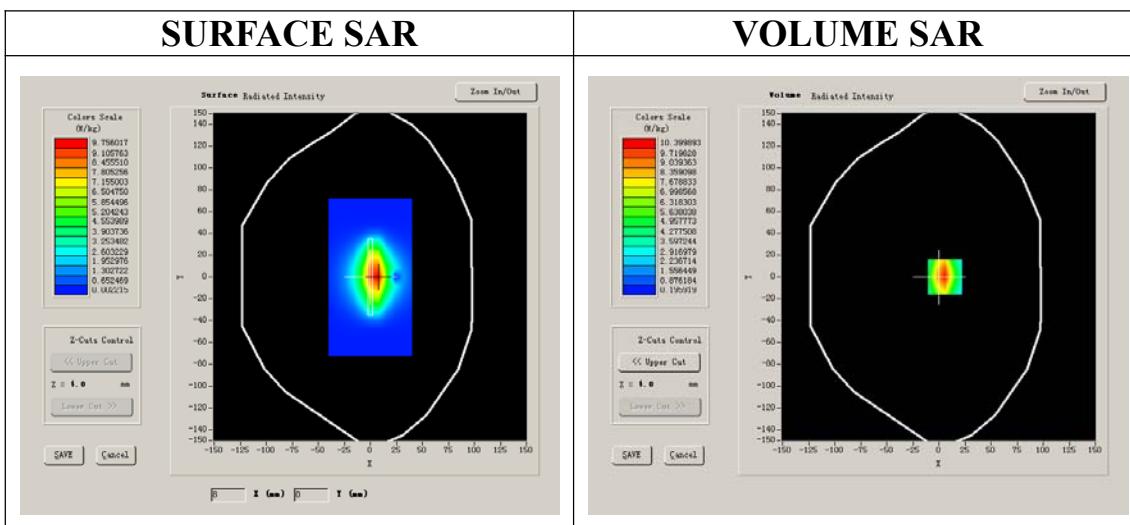
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	
<b>Band</b>	1900MHz
<b>Channels</b>	
<b>Signal</b>	CW

## B. SAR Measurement Results

### Band SAR

<b>Frequency (MHz)</b>	1900.000000
<b>Relative permittivity (real part)</b>	41.163616
<b>Relative permittivity</b>	15.070000
<b>Conductivity (S/m)</b>	1.428963
<b>Power drift (%)</b>	-0.140000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.7°C
<b>ConvF:</b>	40.136,34.843,38.721
<b>Crest factor:</b>	1:1



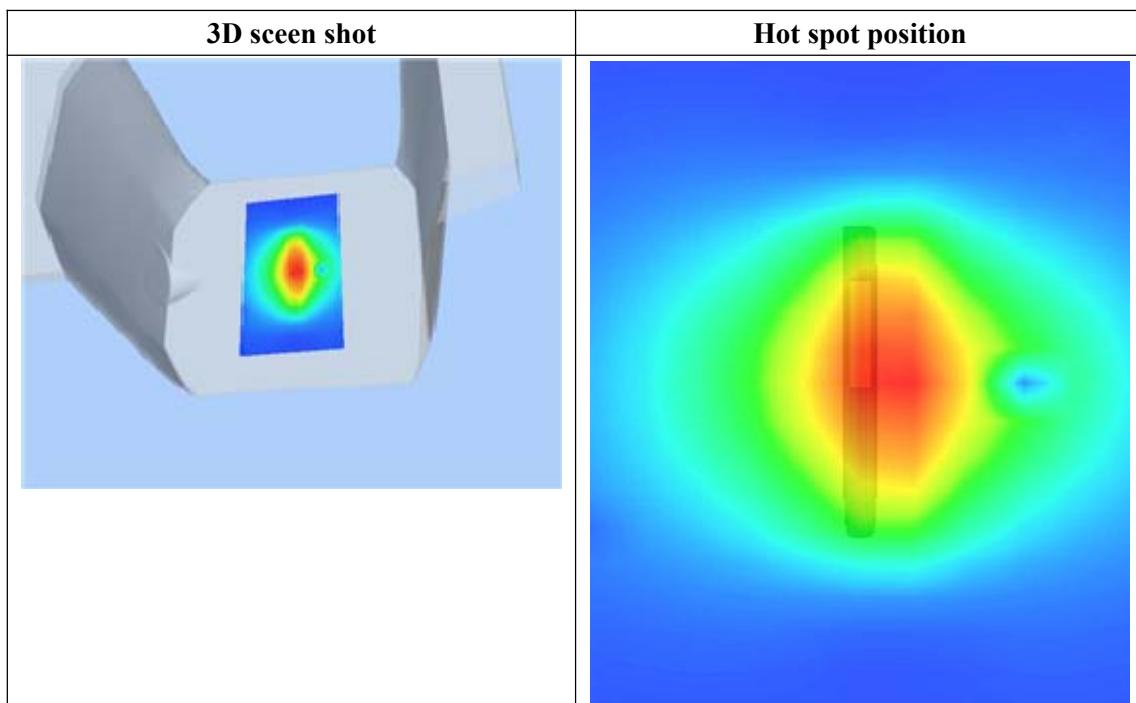
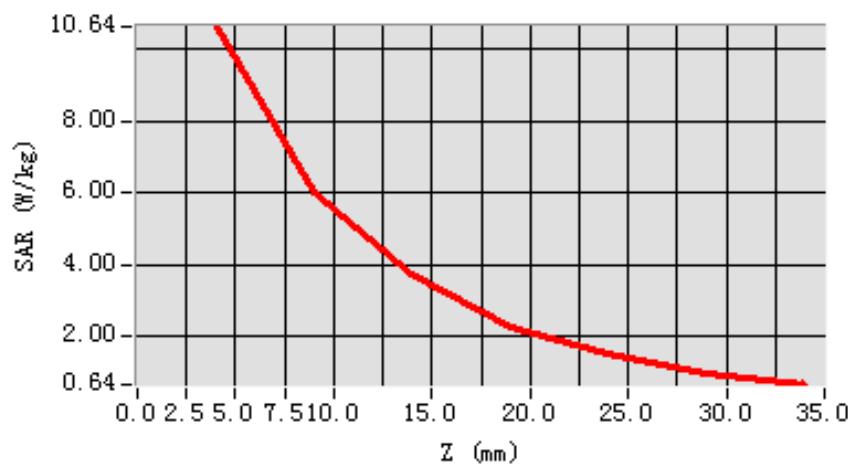
**Maximum location: X=6.00, Y=0.00**

<b>SAR 10g (W/Kg)</b>	6.145210
<b>SAR 1g (W/Kg)</b>	9.790543

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	10.6419	6.0043	3.7297	2.2606	1.5119	0.9792

**SAR, Z Axis Scan (X = 6, Y = 0)**



## System Performance Check Data(Body)

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 13 minutes 26 seconds

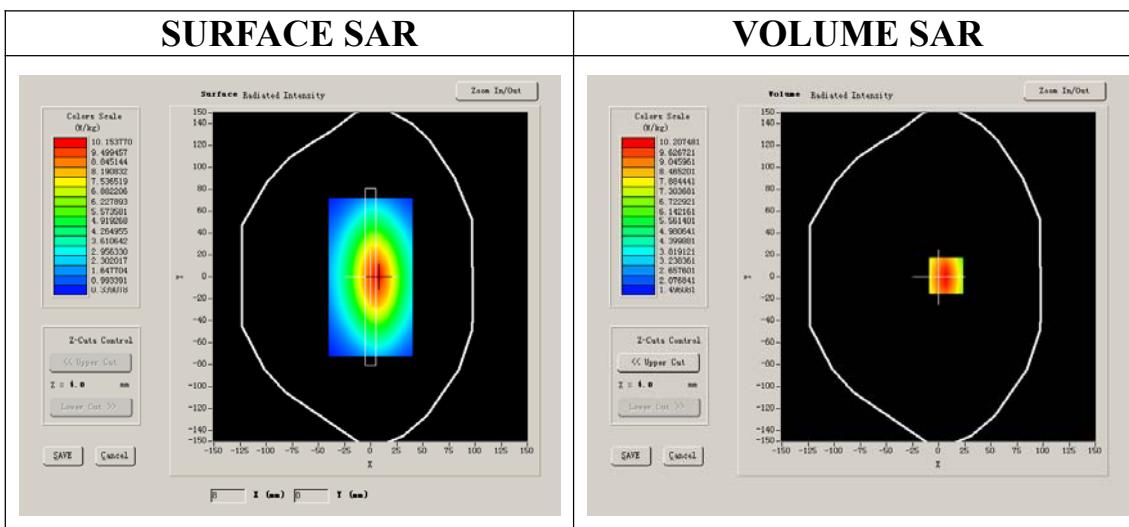
### A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	
<b>Band</b>	1900MHz
<b>Channels</b>	
<b>Signal</b>	CW

### B. SAR Measurement Results

#### Band SAR

<b>Frequency (MHz)</b>	1900.000000
<b>Relative permittivity (real part)</b>	52.123732
<b>Relative permittivity</b>	14.070000
<b>Conductivity (S/m)</b>	1.476213
<b>Power drift (%)</b>	-0.030000
<b>Ambient Temperature:</b>	22.3°C
<b>Liquid Temperature:</b>	22.7°C
<b>ConvF:</b>	40.625,34.773,38.535
<b>Crest factor:</b>	1:1



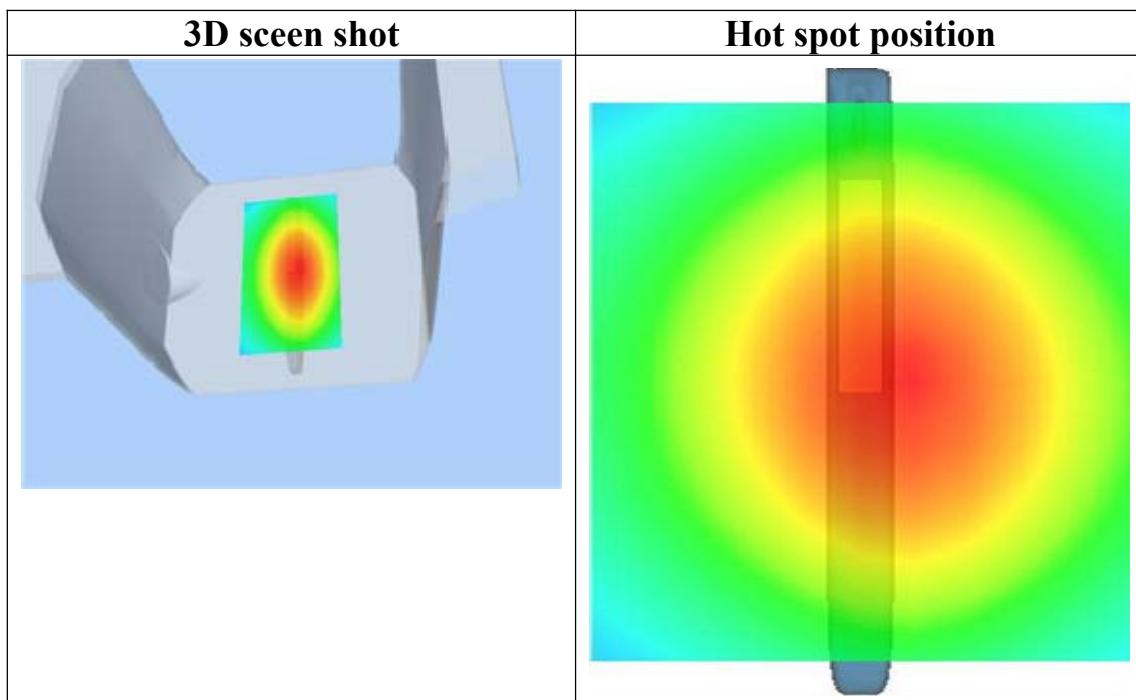
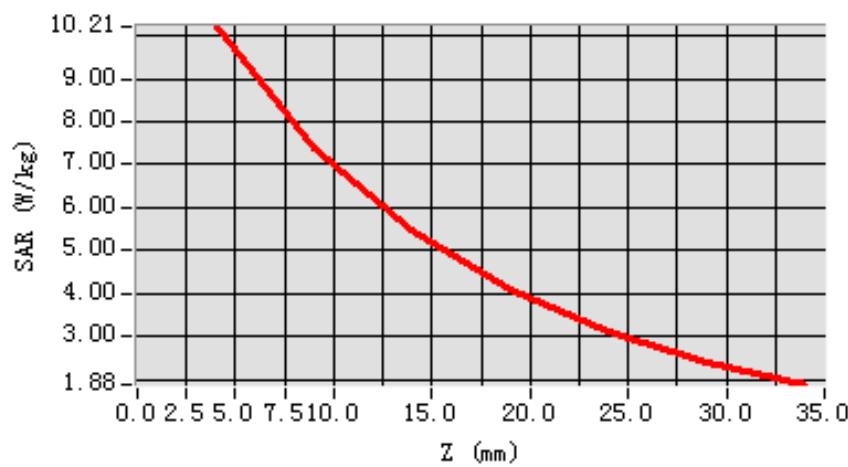
**Maximum location: X=7.00, Y=1.00**

<b>SAR 10g (W/Kg)</b>	6.628519
<b>SAR 1g (W/Kg)</b>	9.746173

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	10.2075	7.3996	5.4654	4.1101	3.1286	2.4128

**SAR, Z Axis Scan (X = 7, Y = 1)**



# System Performance Check Data(Head)

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 13 minutes 27 seconds

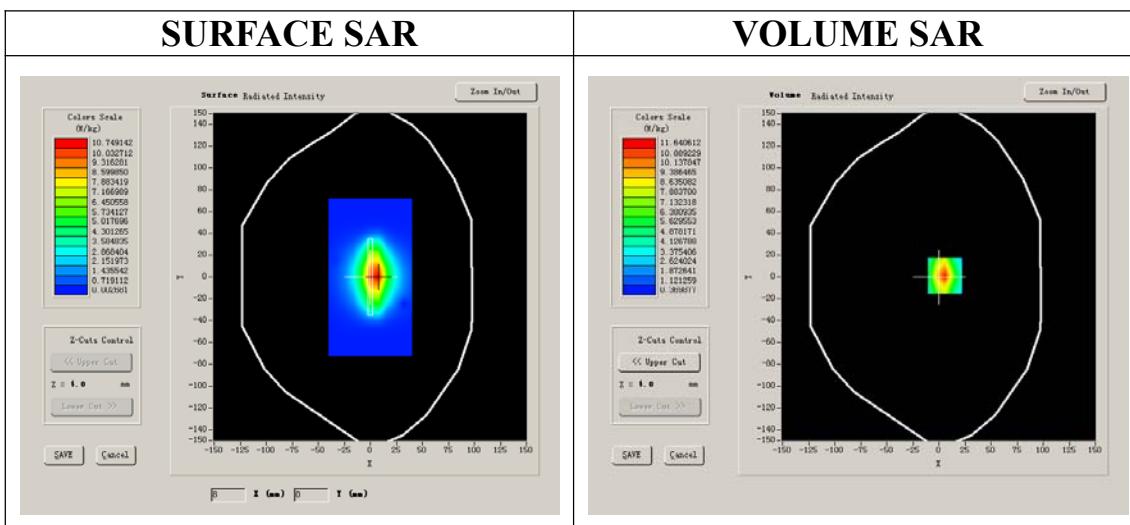
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	
<b>Band</b>	2450MHz
<b>Channels</b>	
<b>Signal</b>	CW

## B. SAR Measurement Results

### Band SAR

<b>Frequency (MHz)</b>	2450.000000
<b>Relative permittivity (real part)</b>	40.153896
<b>Relative permittivity</b>	12.991650
<b>Conductivity (S/m)</b>	1.816317
<b>Power Drift (%)</b>	0.560000
<b>Ambient Temperature:</b>	22.0°C
<b>Liquid Temperature:</b>	21.8°C
<b>ConvF:</b>	39.563,33.614,37.677
<b>Crest factor:</b>	1:1



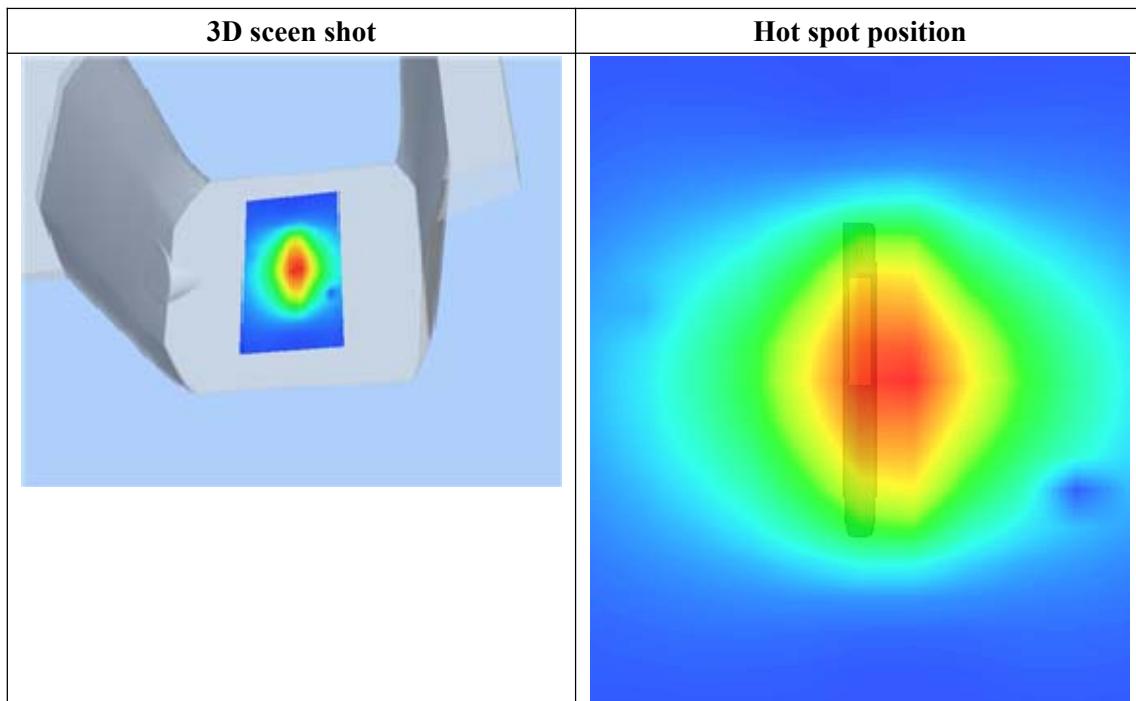
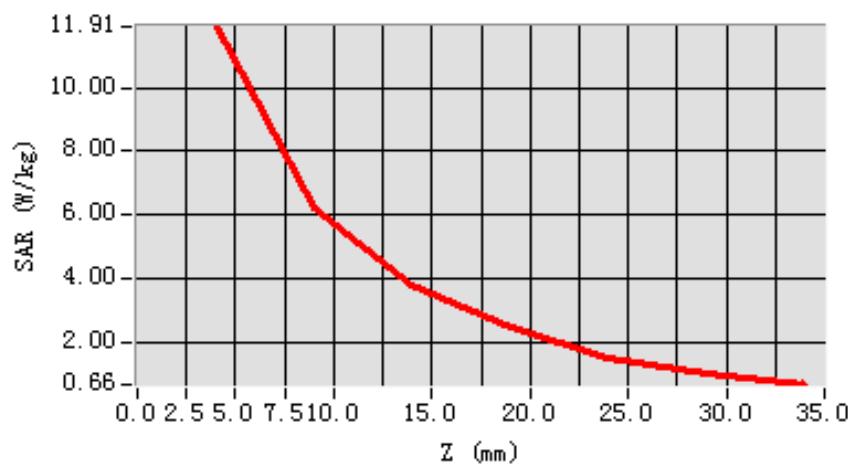
**Maximum location: X=6.00, Y=1.00**

<b>SAR 10g (W/Kg)</b>	7.638478
<b>SAR 1g (W/Kg)</b>	12.043675

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00	24.00	29.00
<b>SAR (W/Kg)</b>	0.0000	11.9115	6.2096	3.8187	2.4504	1.5036	1.0219

**SAR, Z Axis Scan (X = 6, Y = 1)**



# System Performance Check Data(Body)

Type: Phone measurement (Complete)

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

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

Date of measurement: 26/11/2012

Measurement duration: 13 minutes 27 seconds

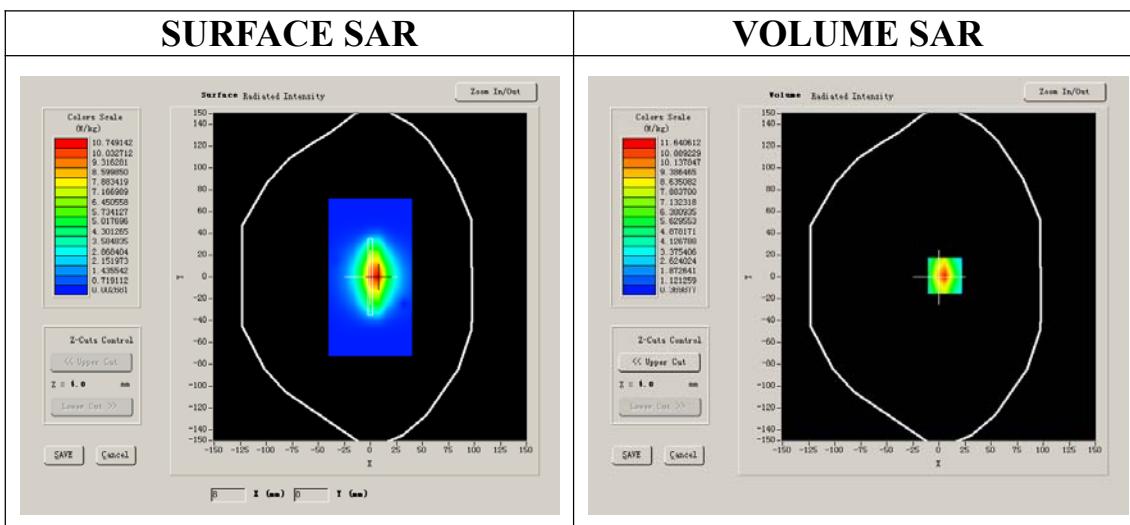
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	
<b>Band</b>	2450MHz
<b>Channels</b>	
<b>Signal</b>	CW

## B. SAR Measurement Results

### Band SAR

<b>Frequency (MHz)</b>	2450.000000
<b>Relative permittivity (real part)</b>	52.578063
<b>Relative permittivity</b>	12.991650
<b>Conductivity (S/m)</b>	1.862317
<b>Power Drift (%)</b>	1.080000
<b>Ambient Temperature:</b>	22.0°C
<b>Liquid Temperature:</b>	21.8°C
<b>ConvF:</b>	39.772,33.946,37.835
<b>Crest factor:</b>	1:1



**Maximum location: X=-1.00, Y=-50.00**

<b>SAR 10g (W/Kg)</b>	7.156773
<b>SAR 1g (W/Kg)</b>	12.789110

**Z Axis Scan**

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00
<b>SAR (W/Kg)</b>	0.0000	13.1279	6.8312	3. 5991	1.3473

**SAR, Z Axis Scan (X = -1, Y = -50)**

