

## Annex B Graph Test Results

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

	<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>
<p><b><u>WCDMA</u></b> <b><u>850</u></b></p>	<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>
<p><b><u>WCDMA</u></b> <b><u>1700</u></b></p>	<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>

<p style="text-align: center;"><b><u>WCDMA</u></b> <b><u>1900</u></b></p>	<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>
<p style="text-align: center;"><b><u>802.11B</u></b></p>	<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.

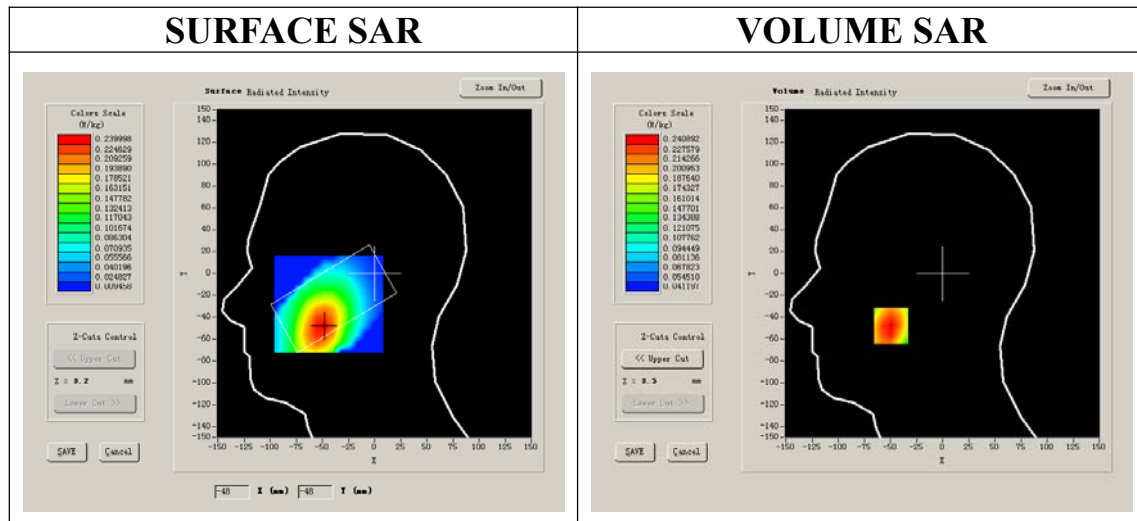
<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	GSM850
<b>Channels</b>	Low
<b>Signal</b>	GSM

## B. SAR Measurement Results

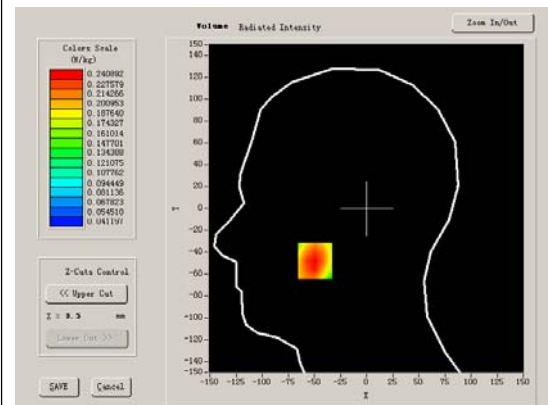
Lower Band SAR (Channel 128):

<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

### SURFACE SAR



### VOLUME SAR



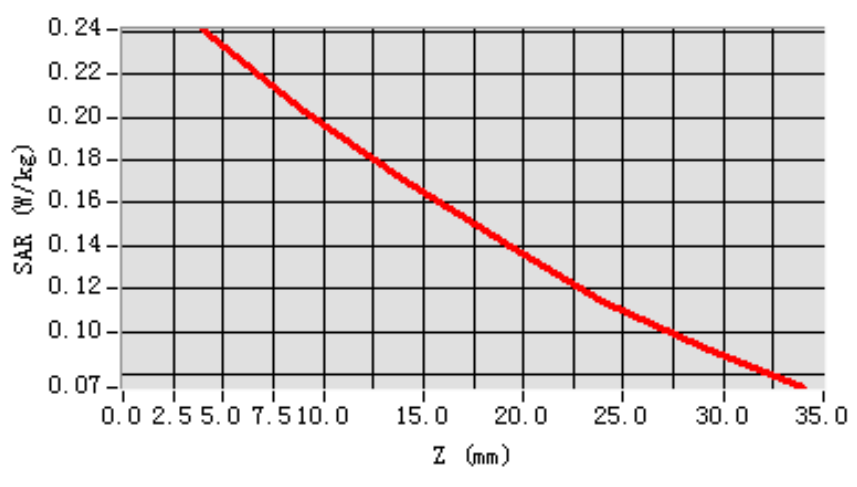
**Maximum location: X=-49.00, Y=-48.00**

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

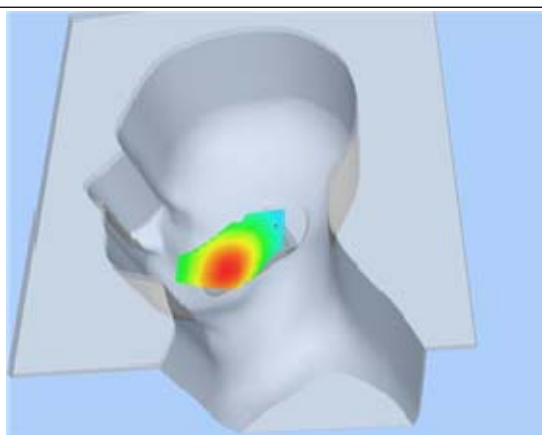
**Z Axis Scan**

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

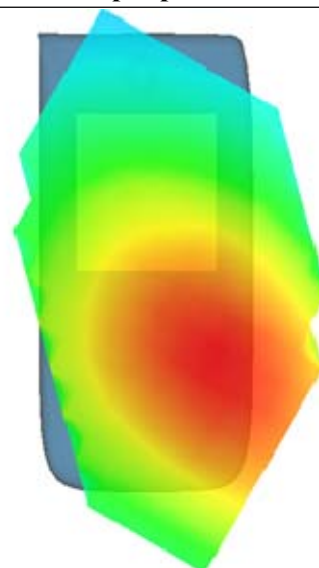
**SAR, Z Axis Scan (X = -49, Y = -48)**



**3D scen shot**



**Hot spot position**



## 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

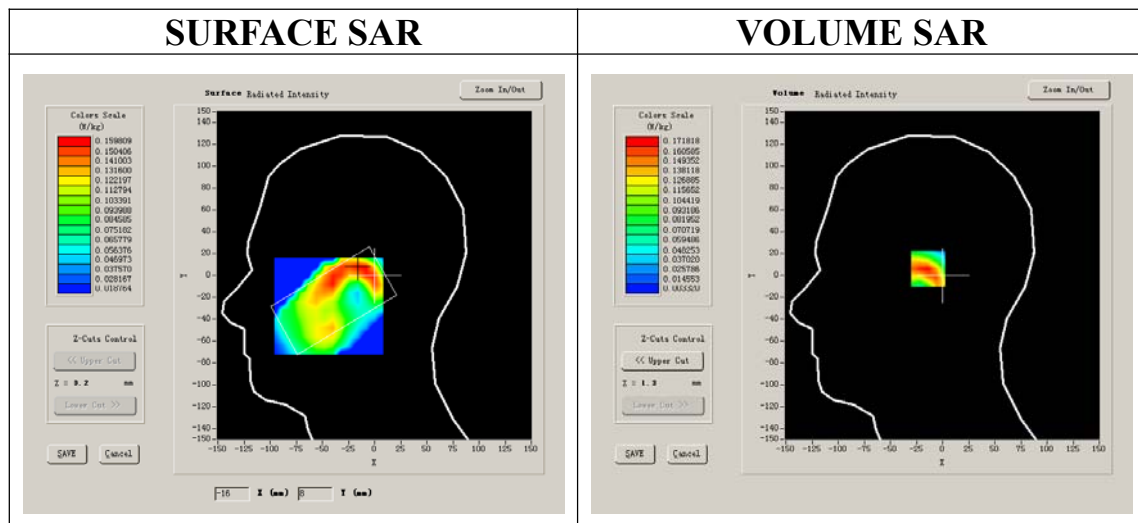
### A. Experimental conditions.

<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



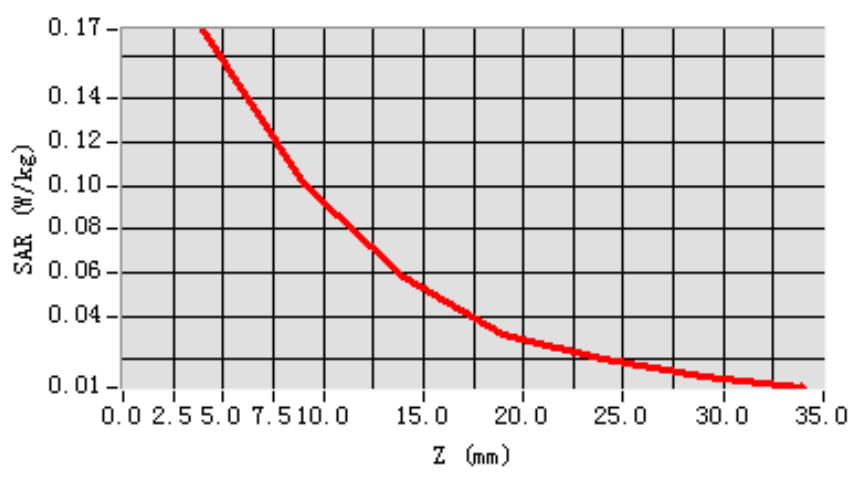
**Maximum location: X=-9.00, Y=6.00**

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

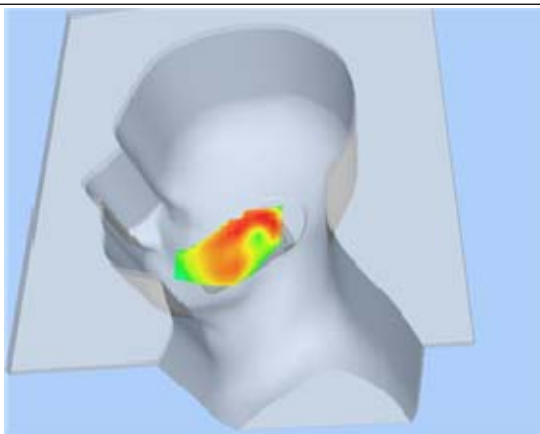
**Z Axis Scan**

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

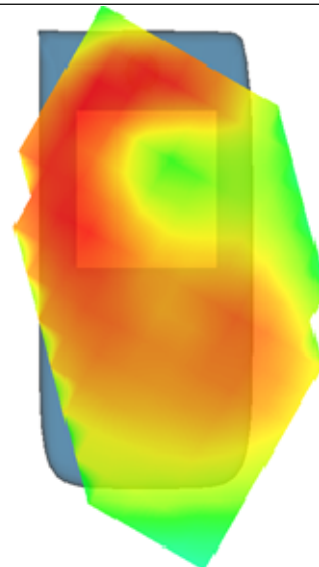
**SAR, Z Axis Scan (X = -9, Y = 6)**



**3D scen shot**



**Hot spot position**



## 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.

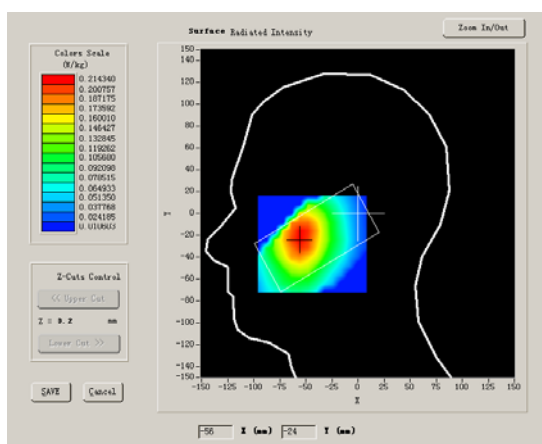
<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	GSM850
<b>Channels</b>	Low
<b>Signal</b>	GSM

### B. SAR Measurement Results

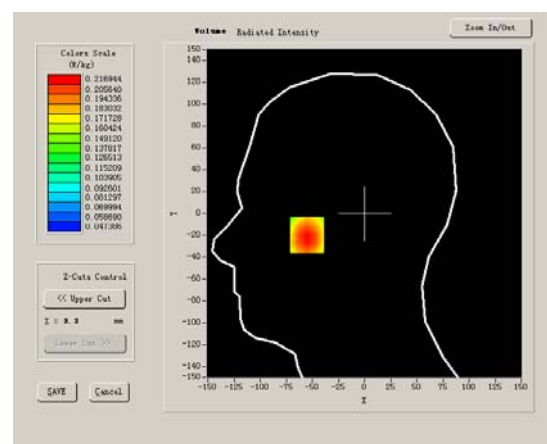
Lower Band SAR (Channel 128):

<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

#### SURFACE SAR



#### VOLUME SAR





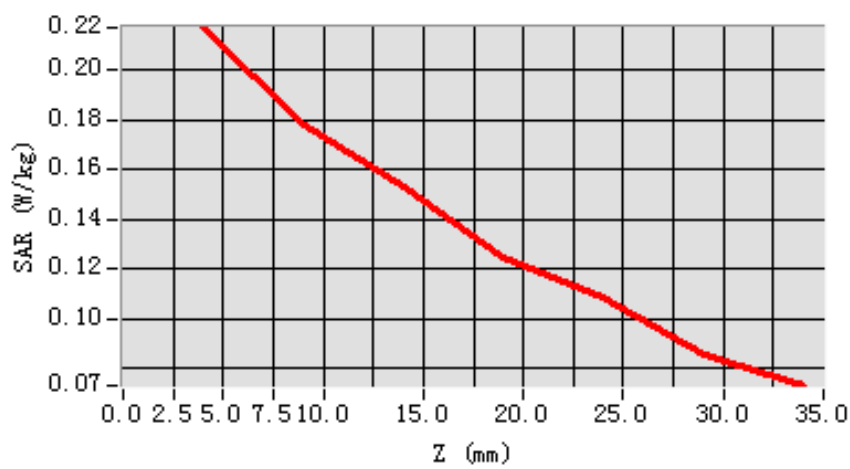
**Maximum location: X=-55.00, Y=-19.00**

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

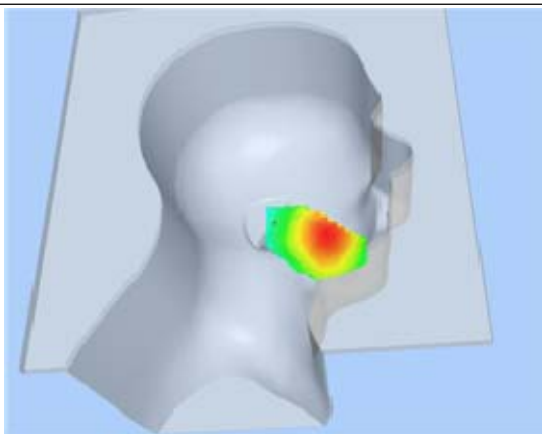
**Z Axis Scan**

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

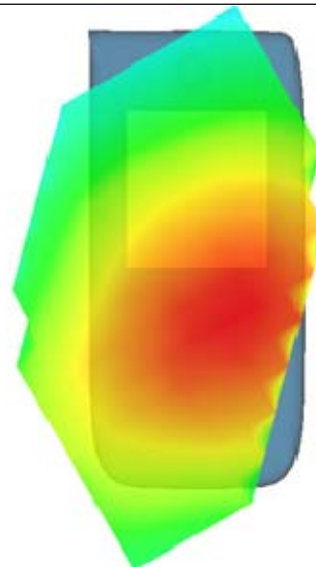
**SAR, Z Axis Scan (X = -55, Y = -19)**



**3D scen shot**



**Hot spot position**



## 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

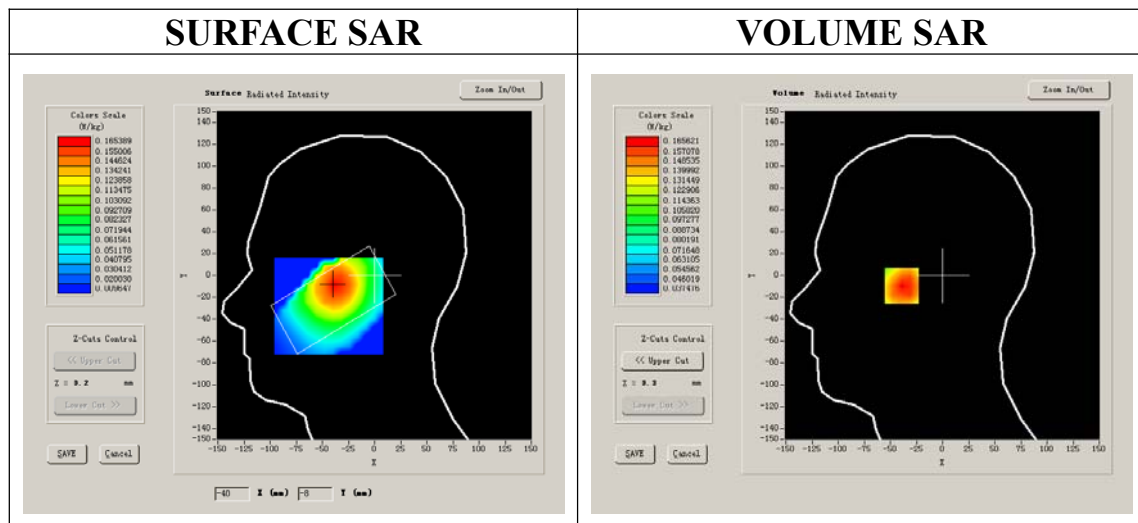
### A. Experimental conditions.

<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



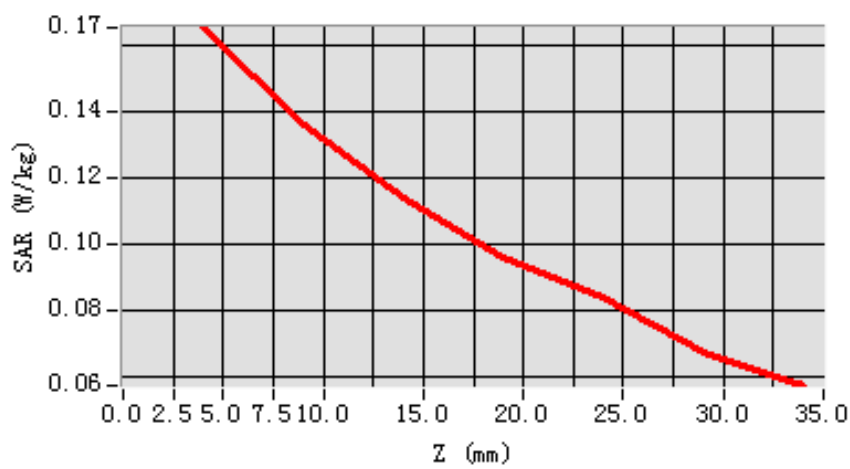
**Maximum location: X=-39.00, Y=-8.00**

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

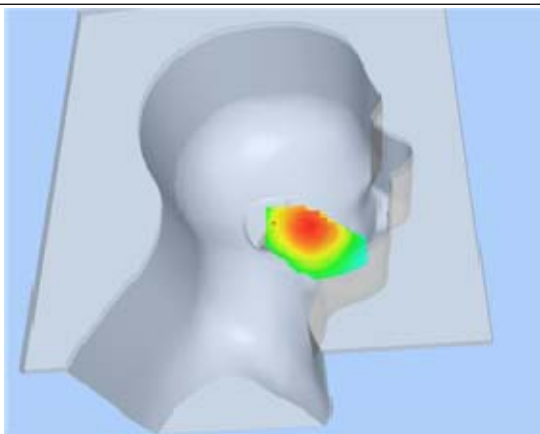
**Z Axis Scan**

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

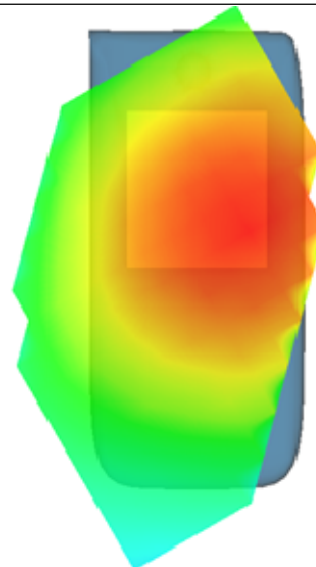
**SAR, Z Axis Scan (X = -39, Y = -8)**



**3D scen shot**



**Hot spot position**



## 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

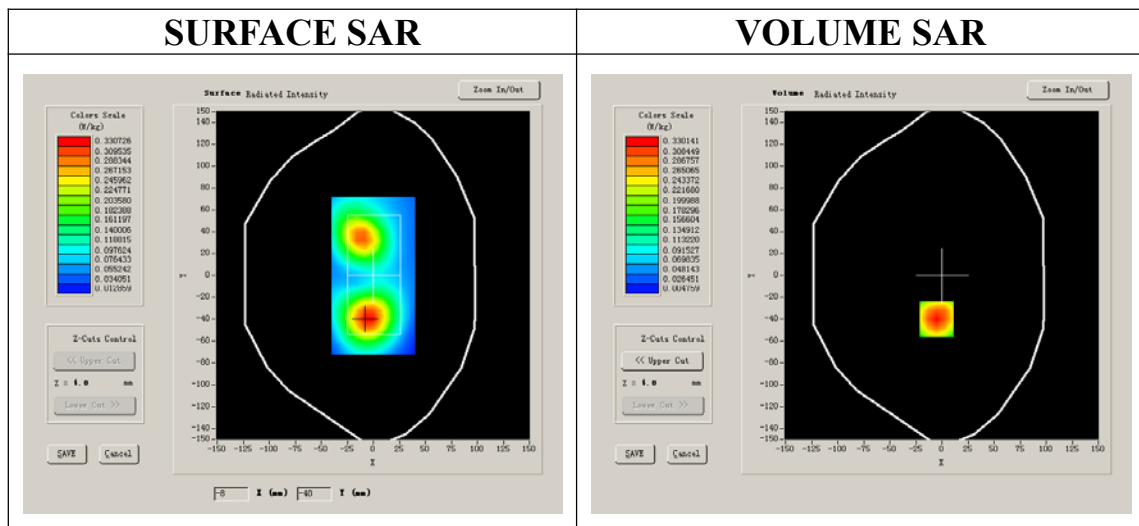
### A. Experimental conditions.

<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



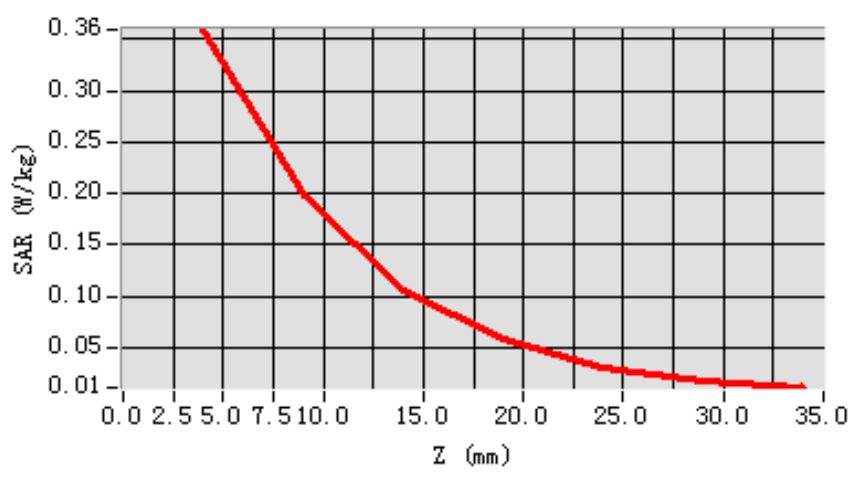
**Maximum location: X=-5.00, Y=-40.00**

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

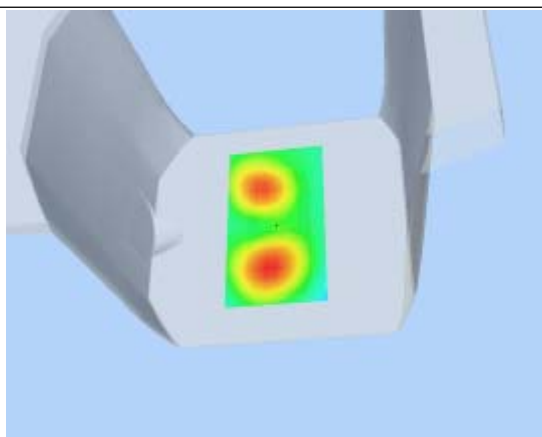
**Z Axis Scan**

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

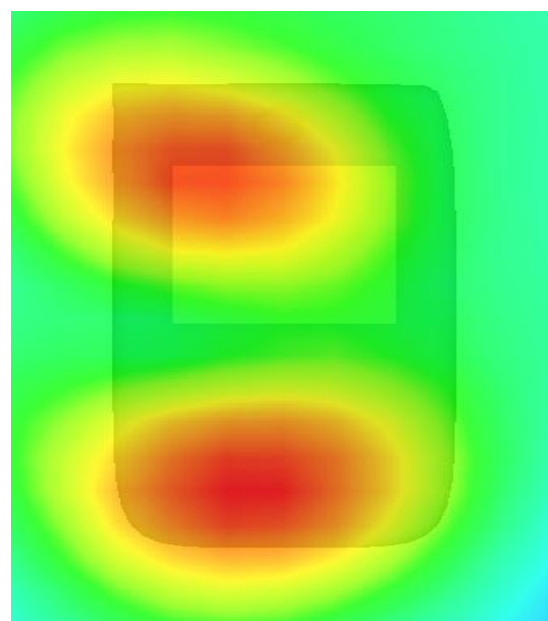
**SAR, Z Axis Scan (X = -5, Y = -40)**



**3D scen shot**



**Hot spot position**



## 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.

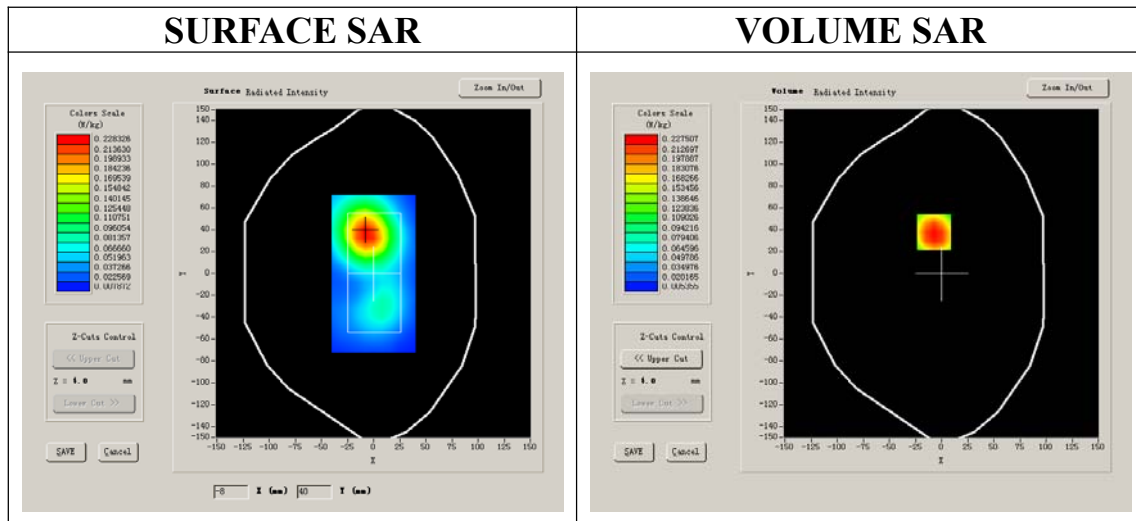
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM850
<b>Channels</b>	Low
<b>Signal</b>	GSM

### B. SAR Measurement Results

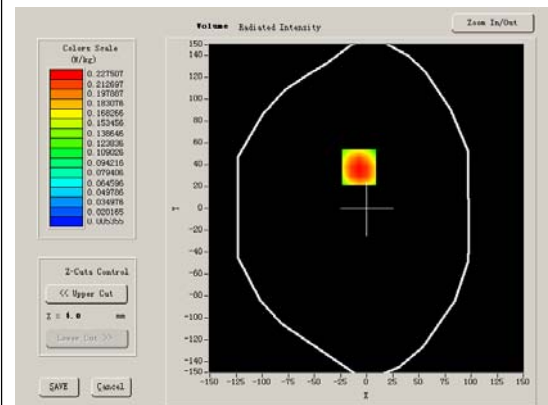
Lower Band SAR (Channel 128):

<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

#### SURFACE SAR



#### VOLUME SAR



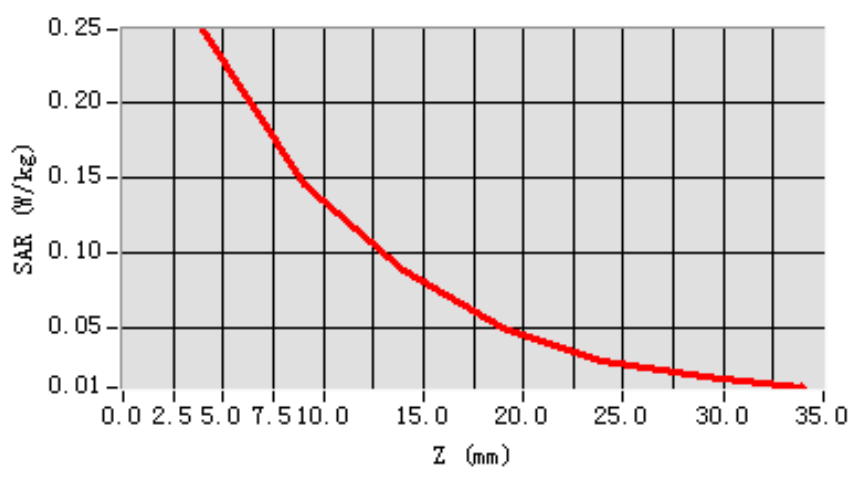
**Maximum location: X=-7.00, Y=38.00**

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

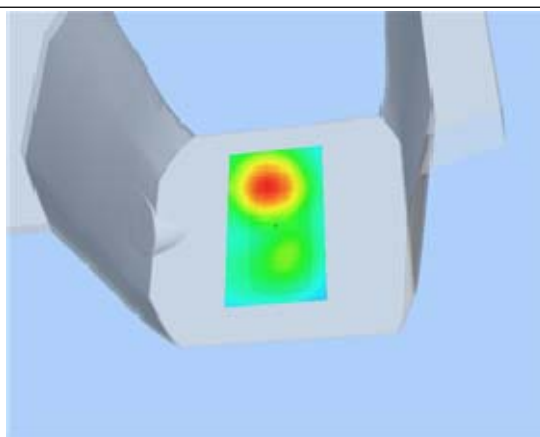
**Z Axis Scan**

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

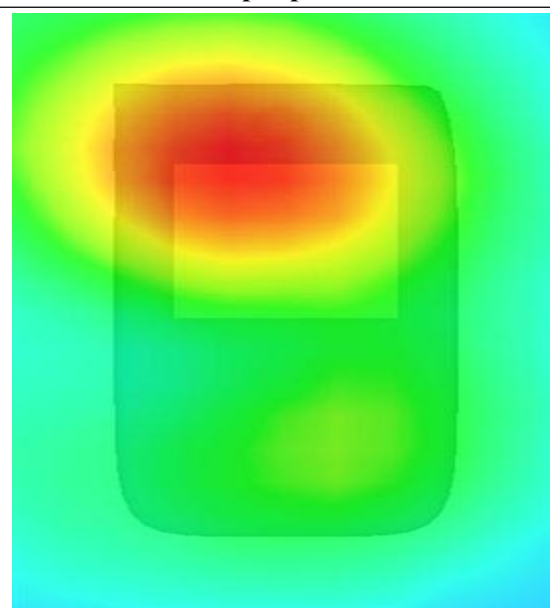
**SAR, Z Axis Scan (X = -7, Y = 38)**



**3D scen shot**



**Hot spot position**



# 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.

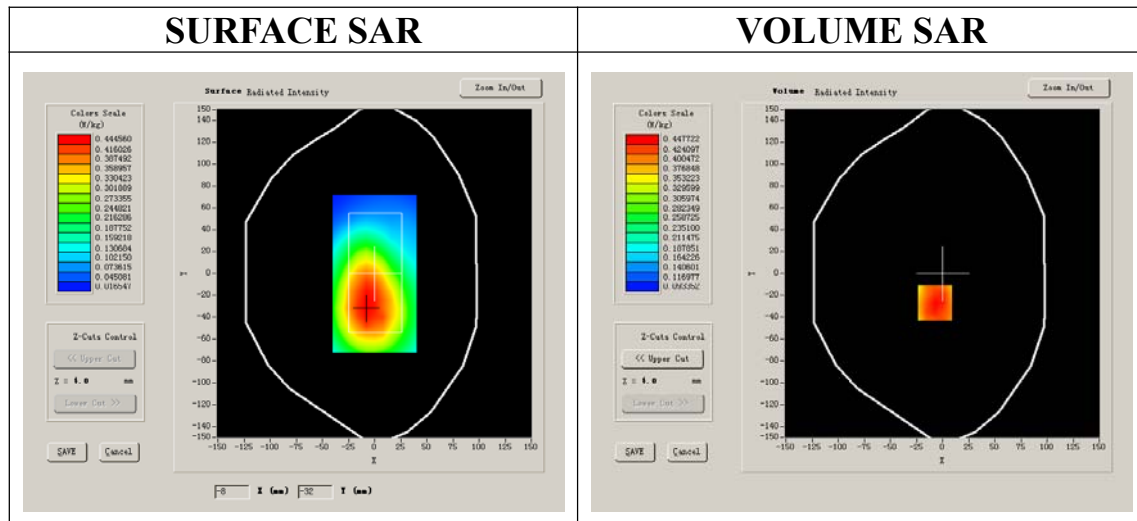
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM850
<b>Channels</b>	Middle
<b>Signal</b>	GPRS (3 up)

## B. SAR Measurement Results

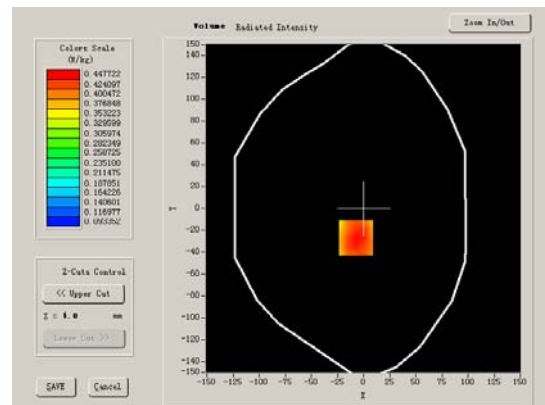
Middle Band SAR (Channel 190):

<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

### SURFACE SAR



### VOLUME SAR





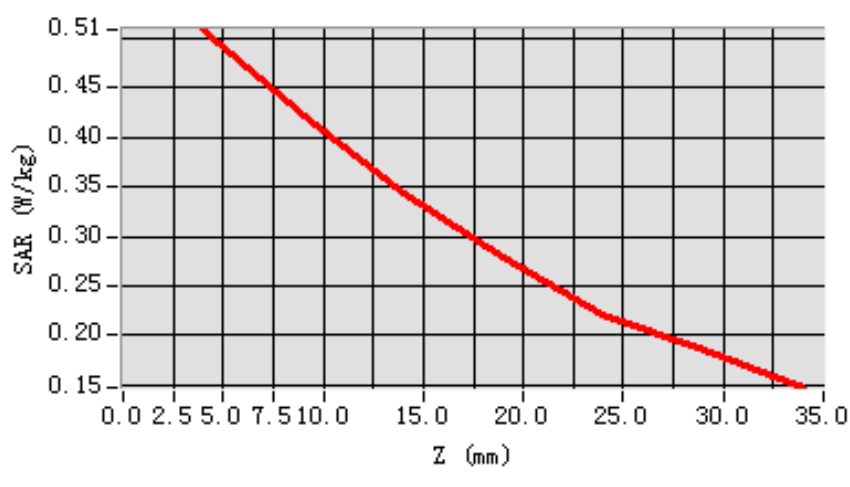
**Maximum location: X=-7.00, Y=-27.00**

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

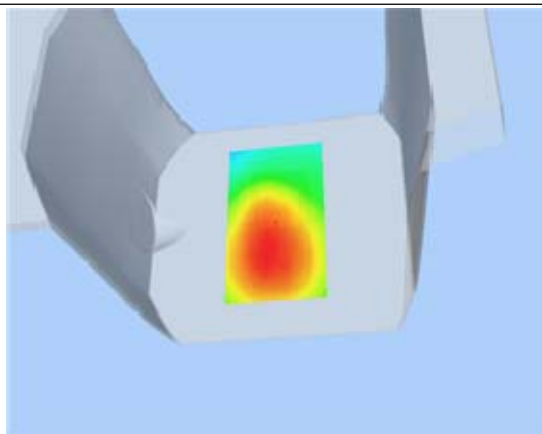
**Z Axis Scan**

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

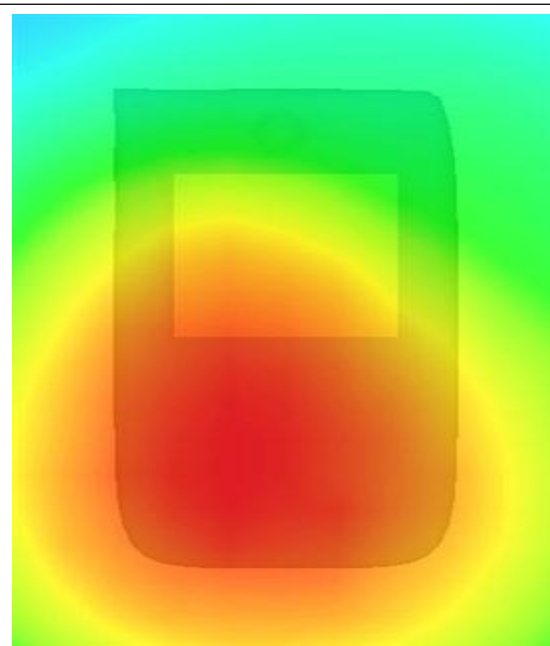
**SAR, Z Axis Scan (X = -7, Y = -27)**



**3D scen shot**



**Hot spot position**



## 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.

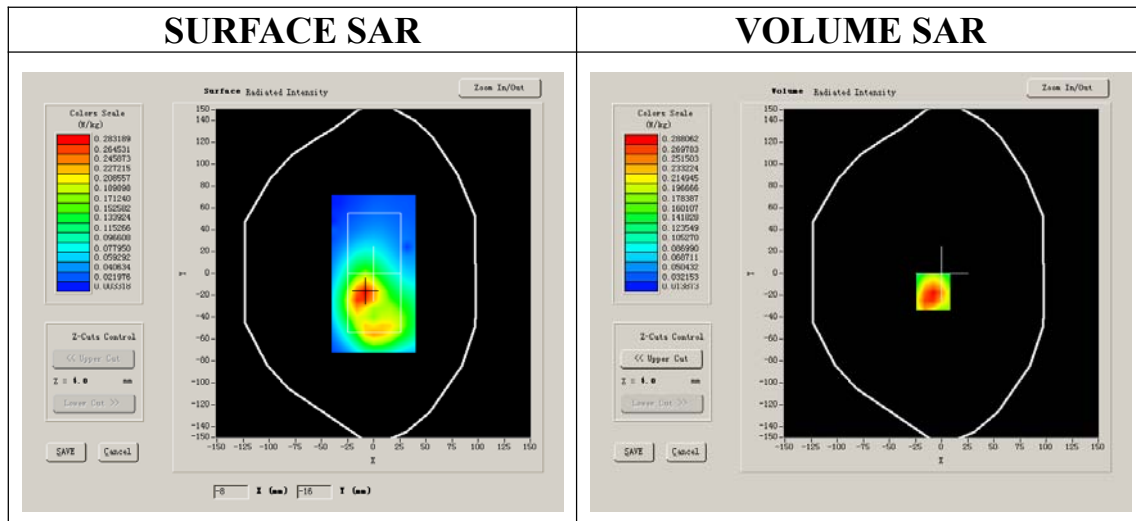
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM850
<b>Channels</b>	Middle (3 up)
<b>Signal</b>	GPRS

### B. SAR Measurement Results

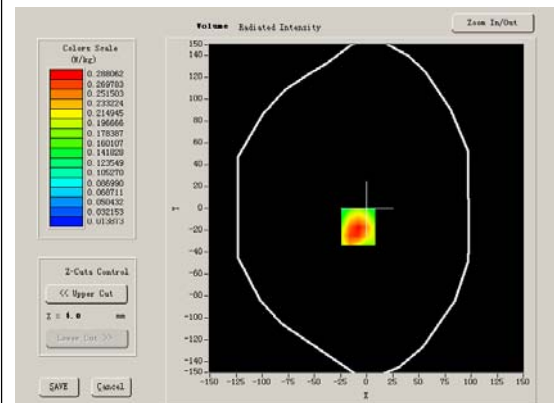
Middle Band SAR (Channel 190):

<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

#### SURFACE SAR



#### VOLUME SAR



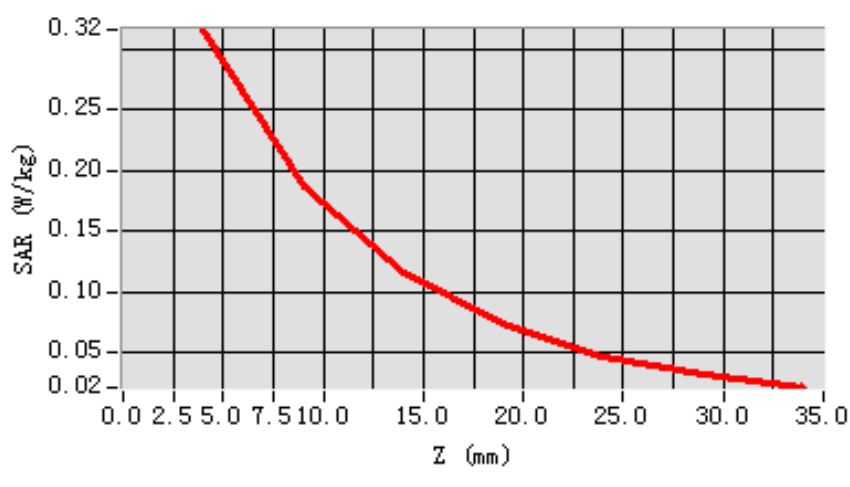
**Maximum location: X=-8.00, Y=-17.00**

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

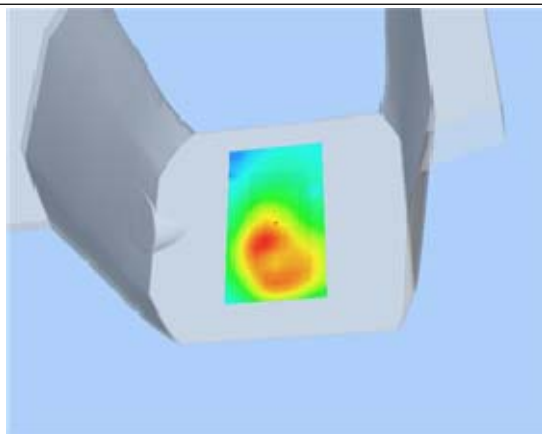
**Z Axis Scan**

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

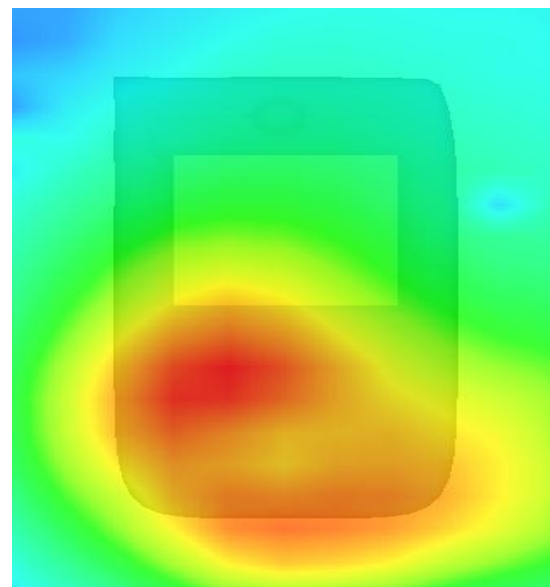
**SAR, Z Axis Scan (X = -8, Y = -17)**



**3D scen shot**



**Hot spot position**



## 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

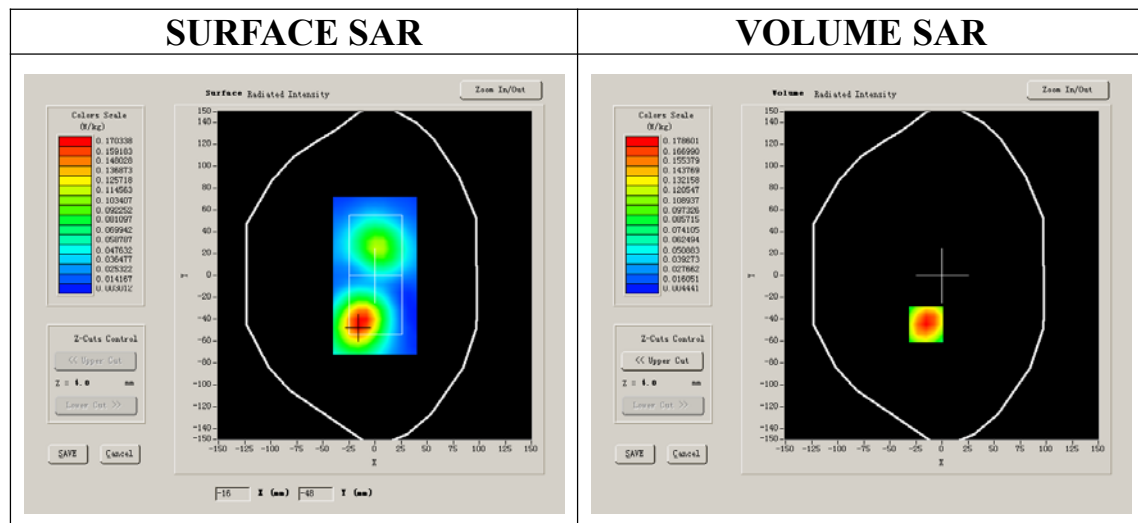
### A. Experimental conditions.

<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



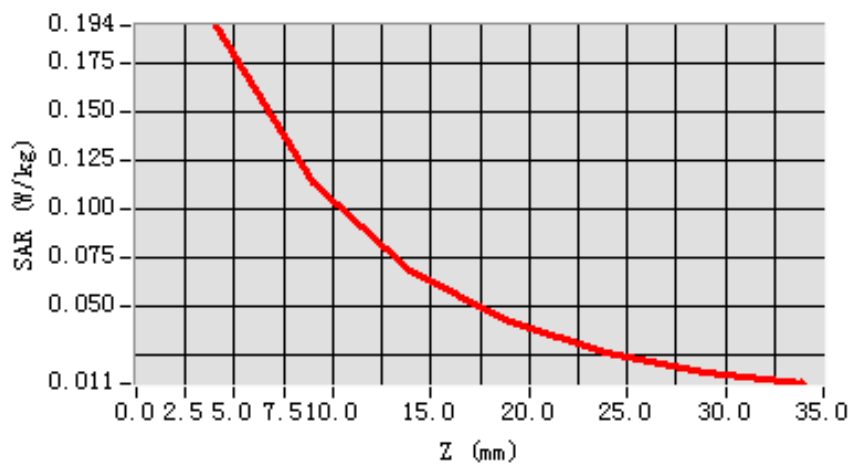
**Maximum location: X=-15.00, Y=-45.00**

<b>SAR 10g (W/Kg)</b>	0.108322
<b>SAR 1g (W/Kg)</b>	0.185816

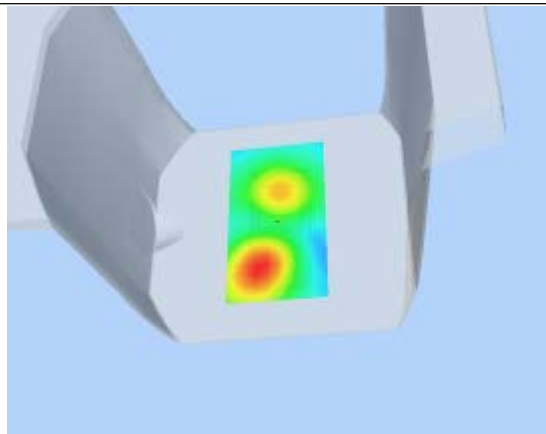
**Z Axis Scan**

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

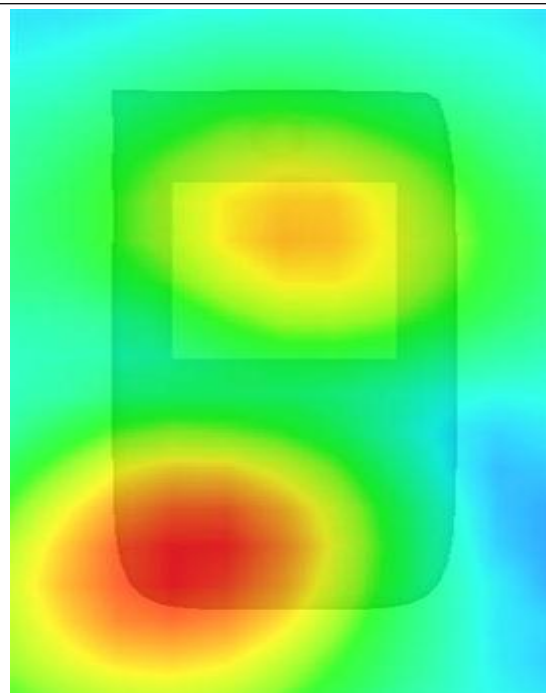
**SAR, Z Axis Scan (X = -15, Y = -45)**



**3D scene shot**



**Hot spot position**



# 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.

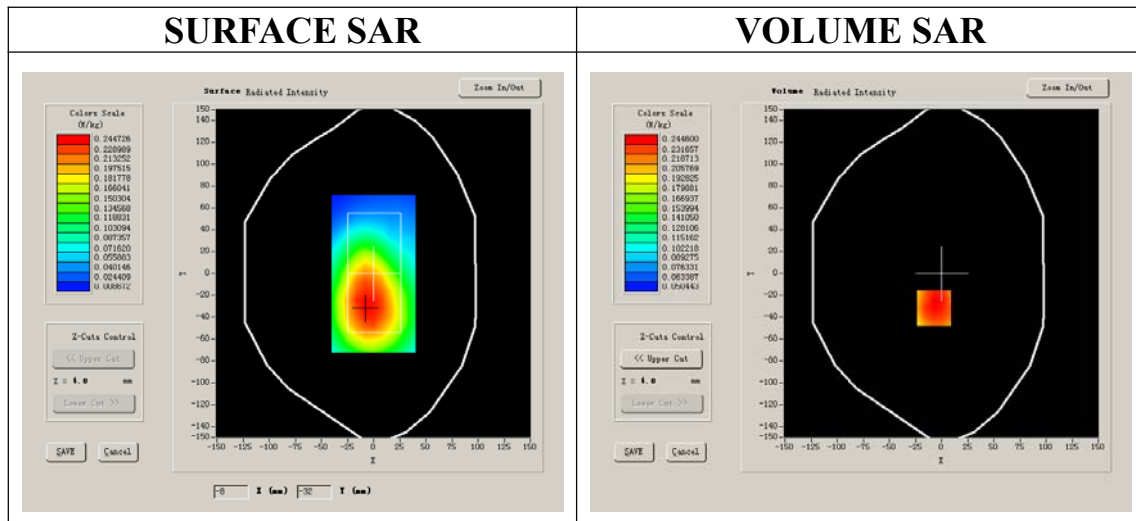
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM850
<b>Channels</b>	Middle (3up)
<b>Signal</b>	GPRS

## B. SAR Measurement Results

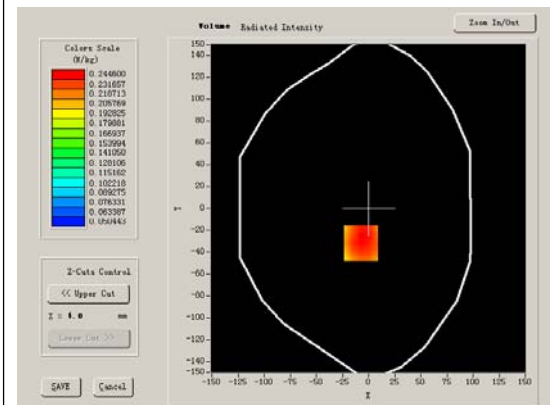
Middle Band SAR (Channel 190):

<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

### SURFACE SAR



### VOLUME SAR



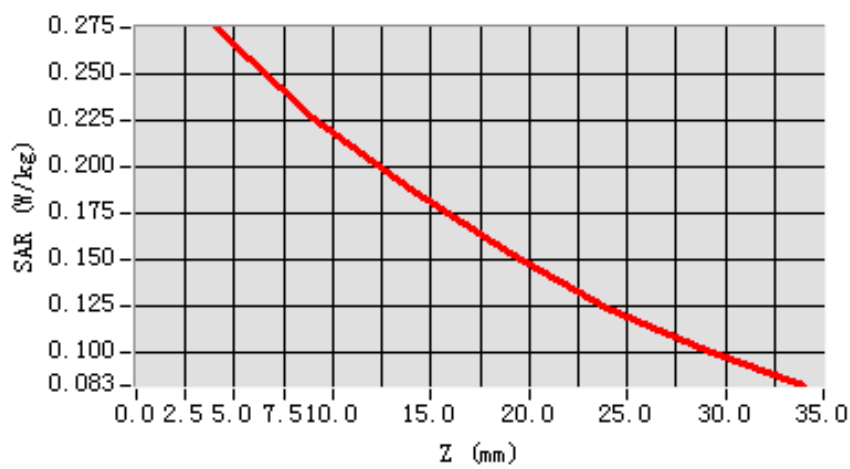
**Maximum location: X=-7.00, Y=-32.00**

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

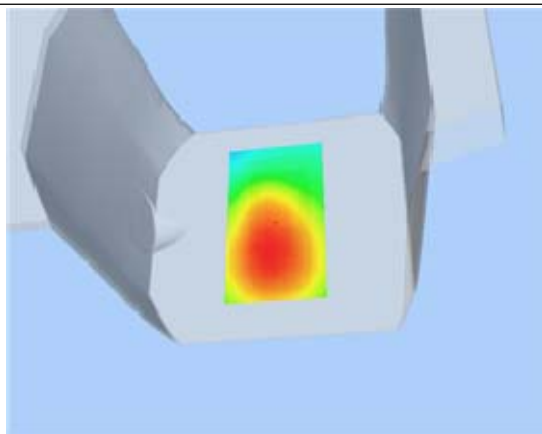
**Z Axis Scan**

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

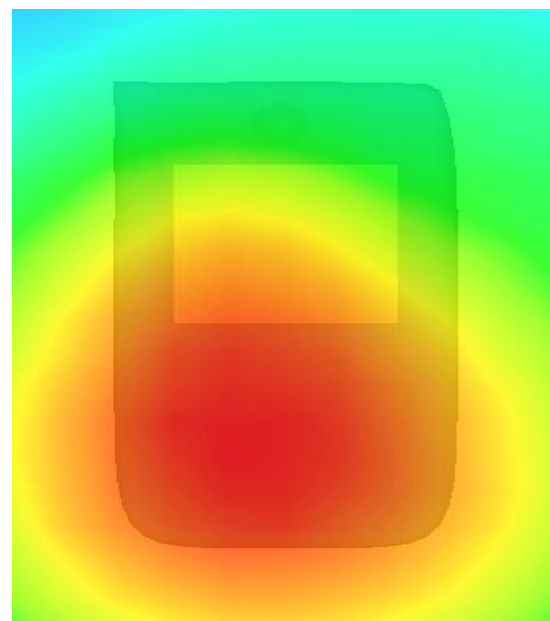
**SAR, Z Axis Scan (X = -7, Y = -32)**



**3D scen shot**



**Hot spot position**



# 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.

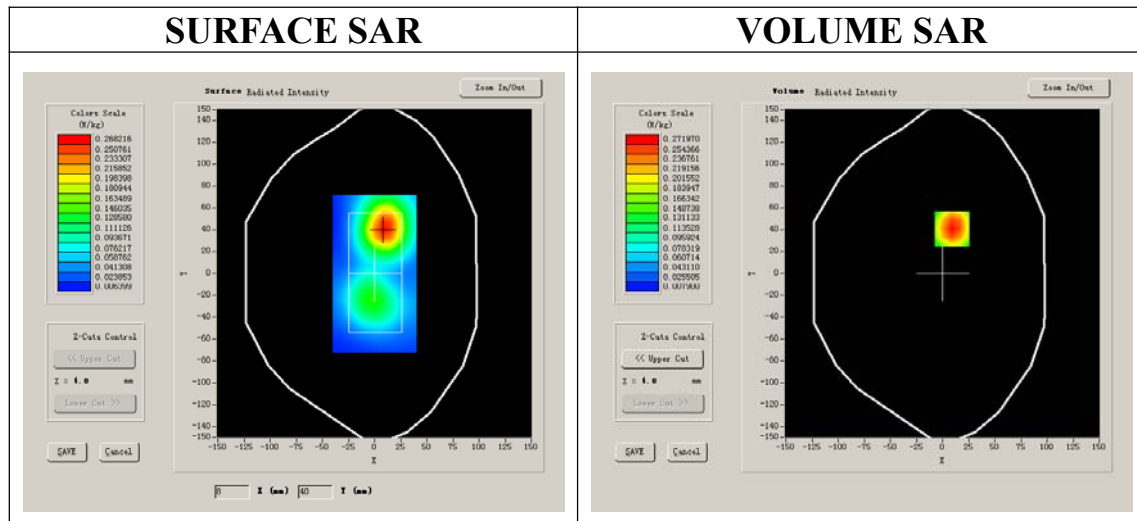
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM850
<b>Channels</b>	Middle (3up)
<b>Signal</b>	GPRS

## B. SAR Measurement Results

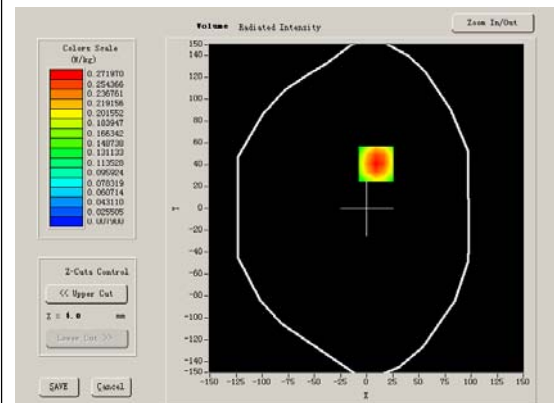
Middle Band SAR (Channel 190):

<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

### SURFACE SAR



### VOLUME SAR



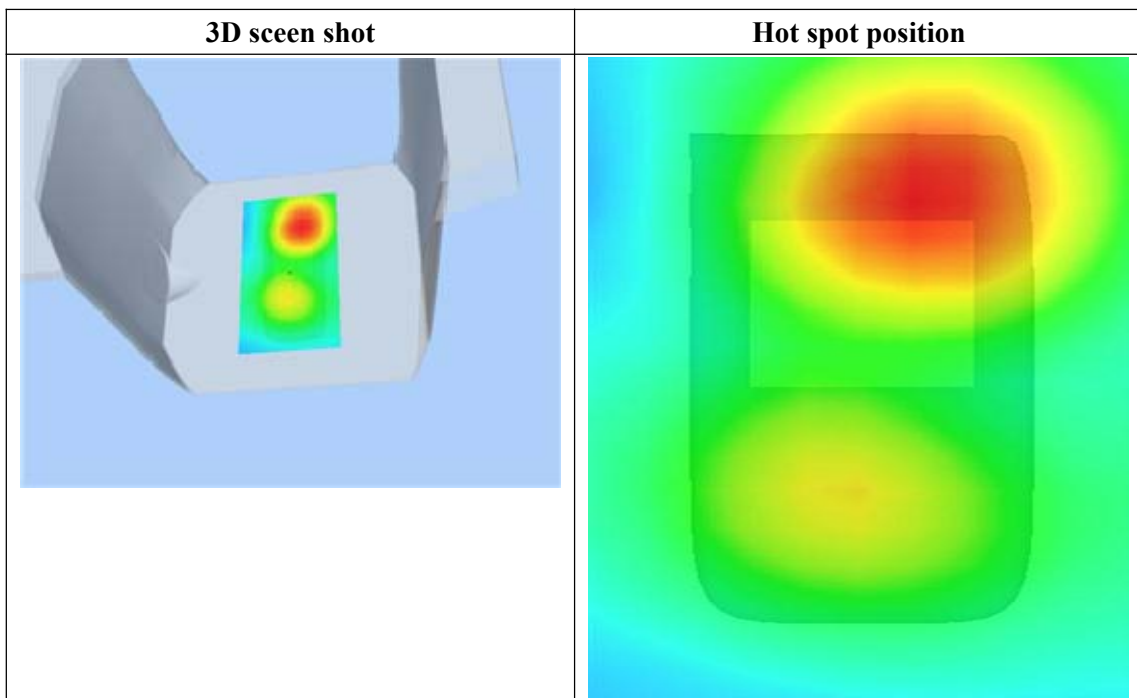
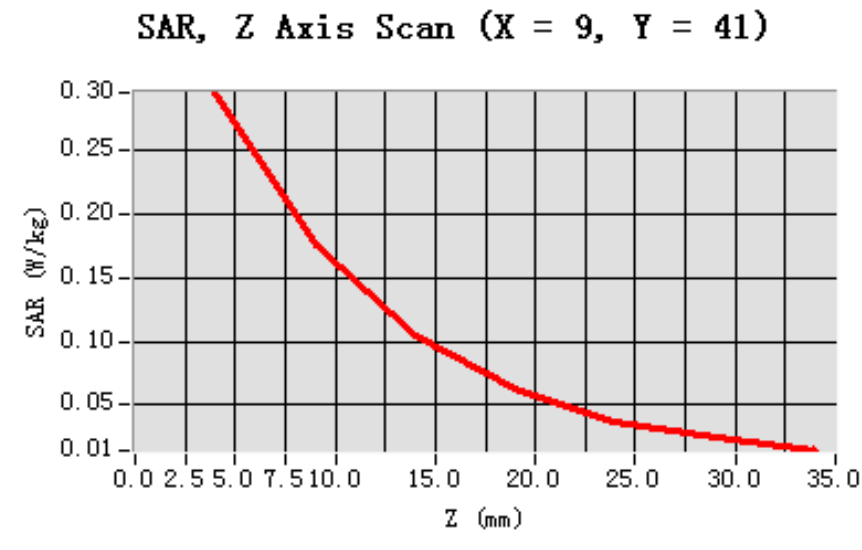


**Maximum location: X=9.00, Y=41.00**

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

**Z Axis Scan**

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



## 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.

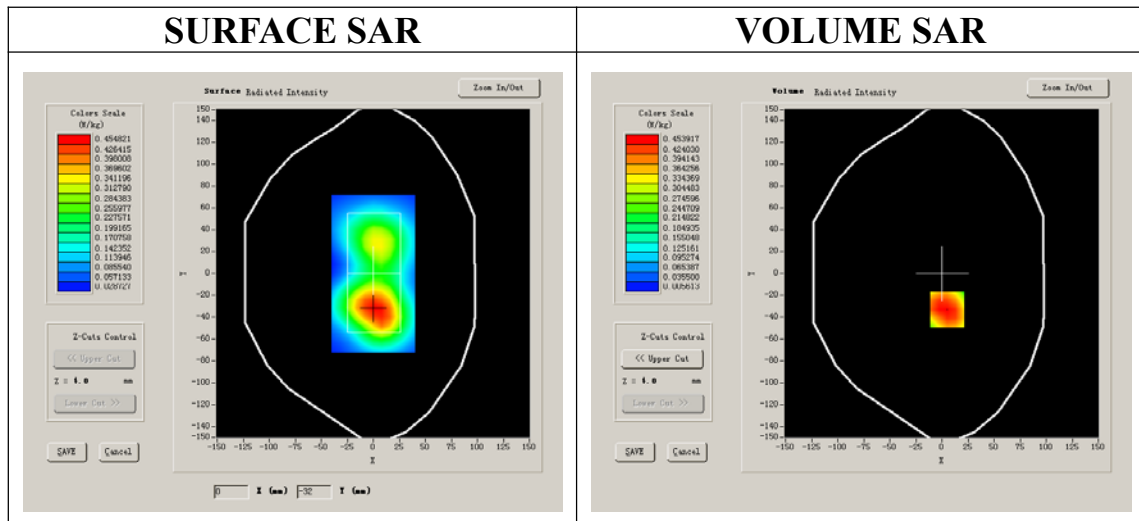
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM850
<b>Channels</b>	Middle
<b>Signal</b>	EDGE

### B. SAR Measurement Results

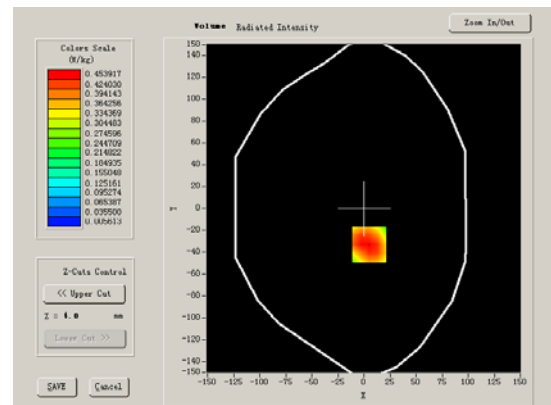
Middle Band SAR (Channel 190):

<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

#### SURFACE SAR



#### VOLUME SAR



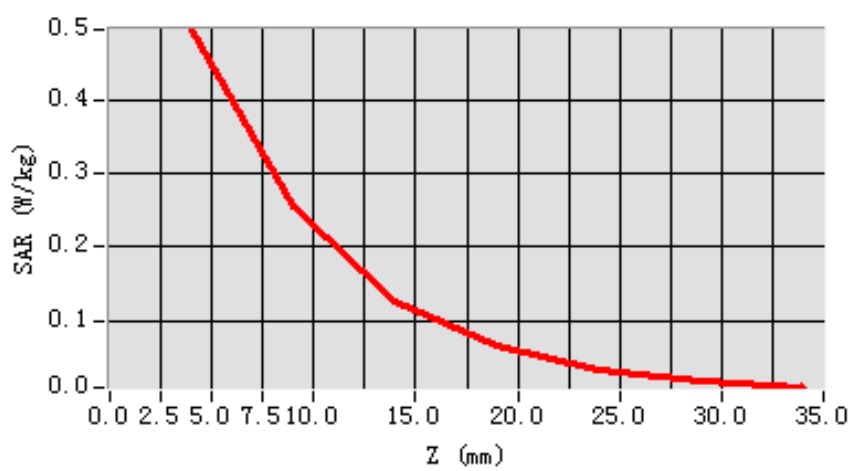
**Maximum location: X=5.00, Y=-33.00**

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

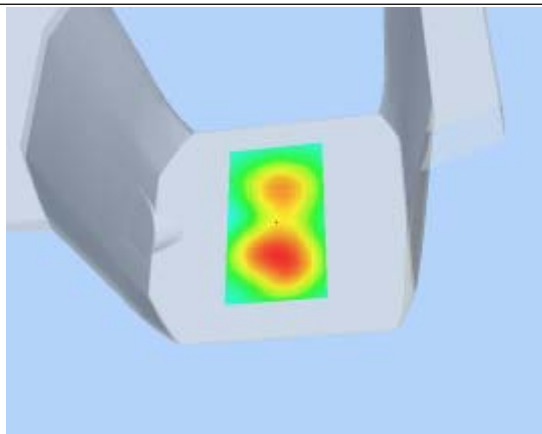
**Z Axis Scan**

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

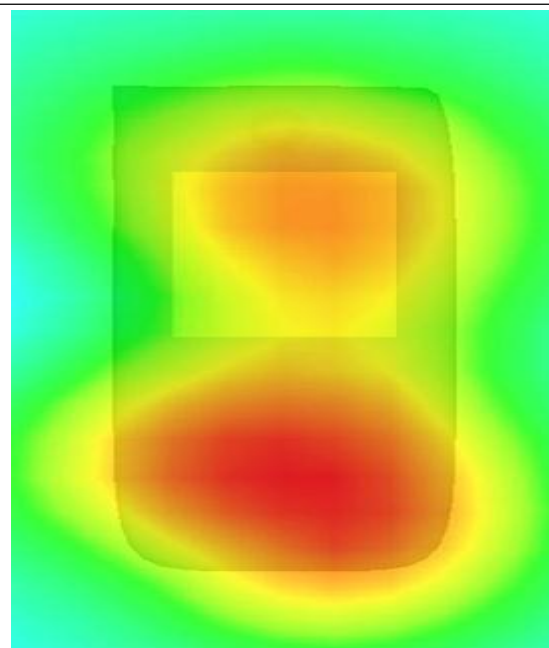
**SAR, Z Axis Scan (X = 5, Y = -33)**



**3D scen shot**



**Hot spot position**



## 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

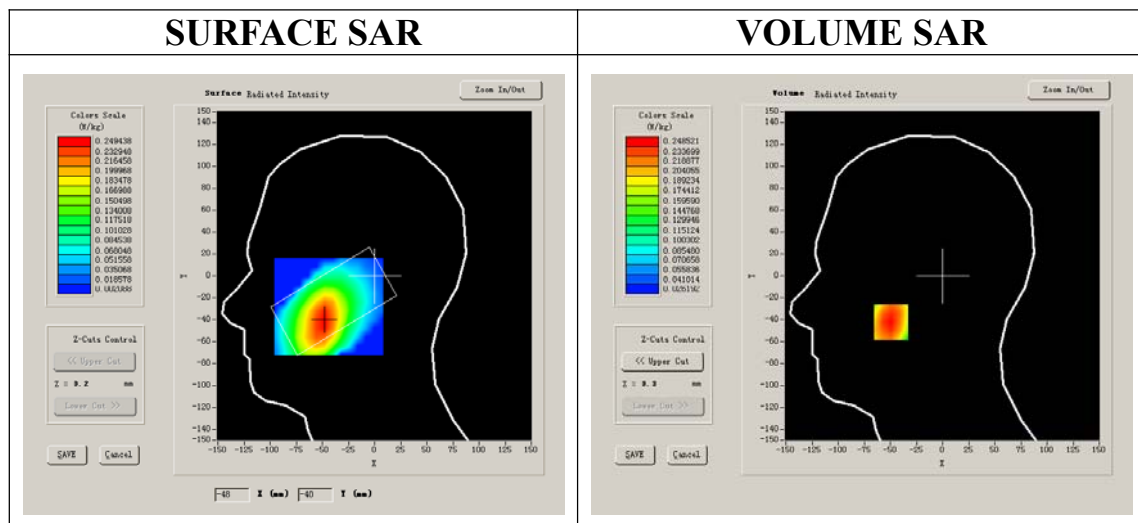
### A. Experimental conditions.

<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



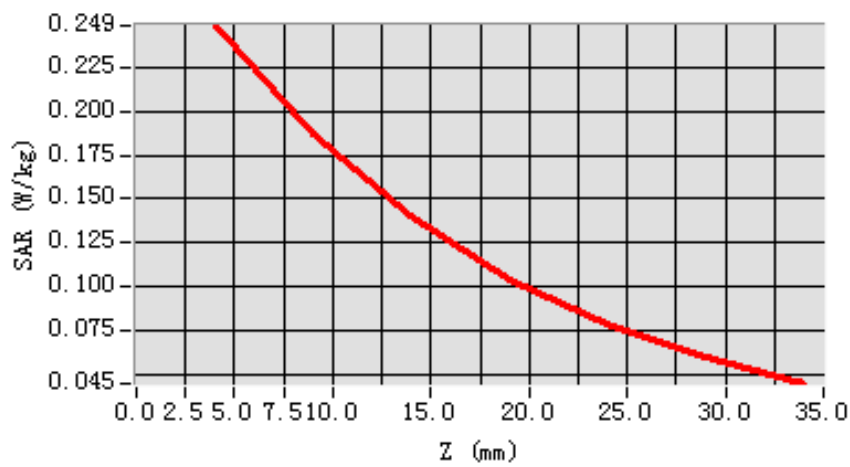
**Maximum location: X=-49.00, Y=-42.00**

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

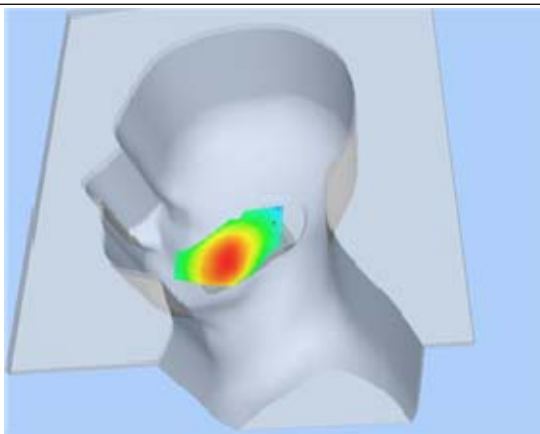
**Z Axis Scan**

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

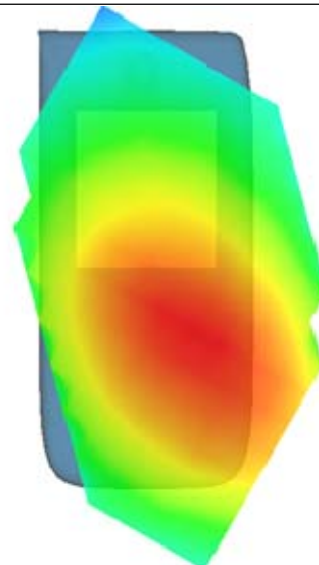
**SAR, Z Axis Scan (X = -49, Y = -42)**



**3D scen shot**



**Hot spot position**



# 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.

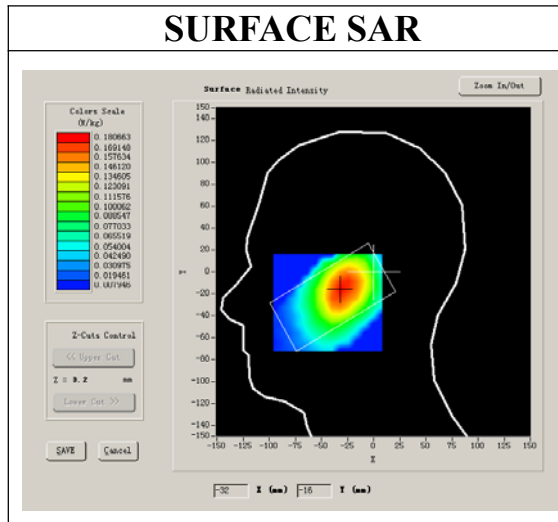
<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Right head
<b>Device Position</b>	Tilt
<b>Band</b>	GSM1900
<b>Channels</b>	High
<b>Signal</b>	GSM

## B. SAR Measurement Results

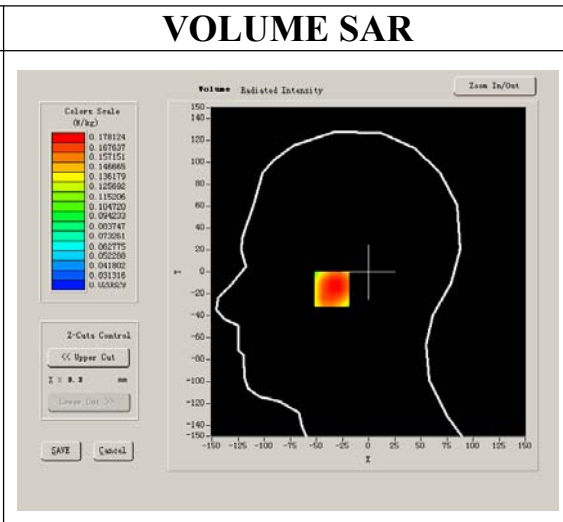
Higher Band SAR (Channel 810):

<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

### SURFACE SAR



### VOLUME SAR



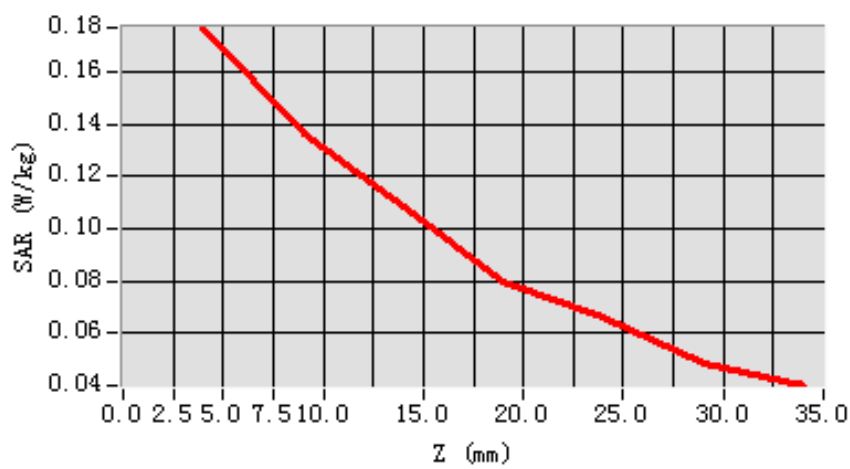
**Maximum location: X=-31.00, Y=-16.00**

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

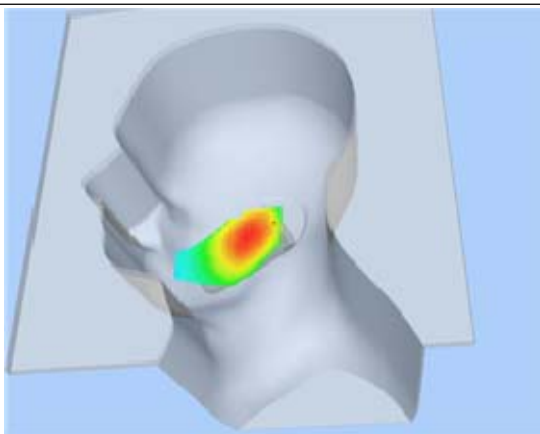
**Z Axis Scan**

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

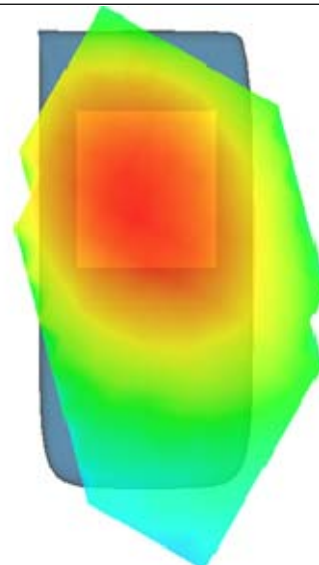
**SAR, Z Axis Scan (X = -31, Y = -16)**



**3D scen shot**



**Hot spot position**



## 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.

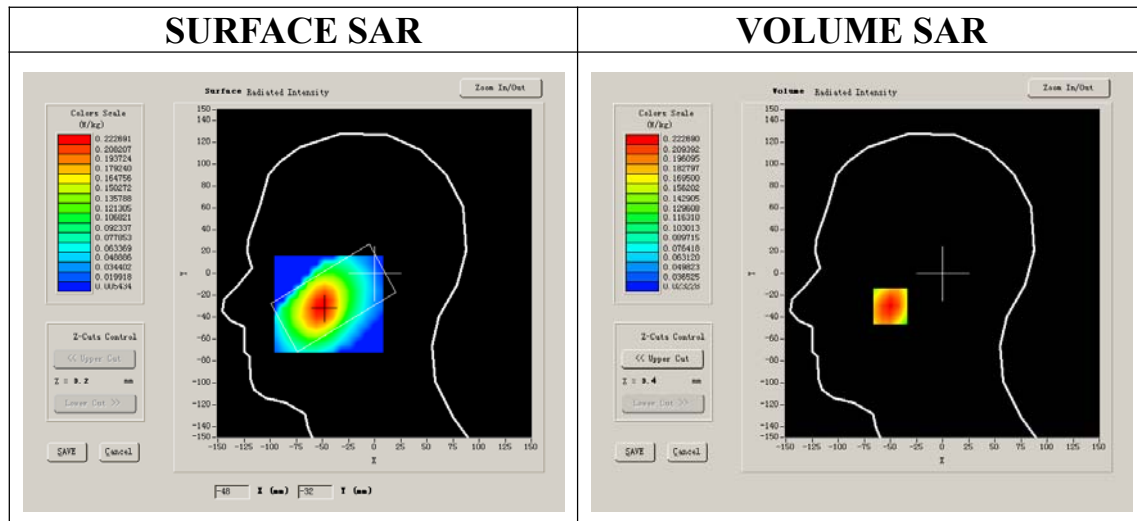
<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	GSM1900
<b>Channels</b>	High
<b>Signal</b>	GSM

### B. SAR Measurement Results

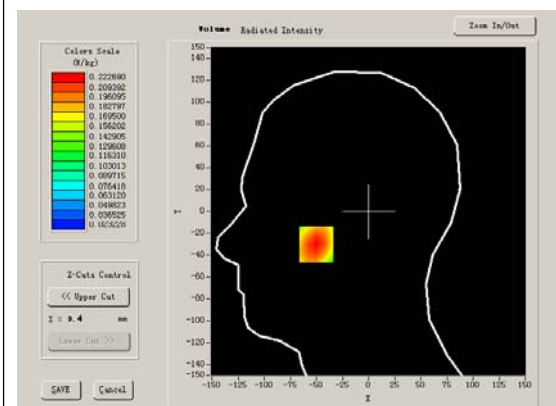
Higher Band SAR (Channel 810):

<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

#### SURFACE SAR



#### VOLUME SAR





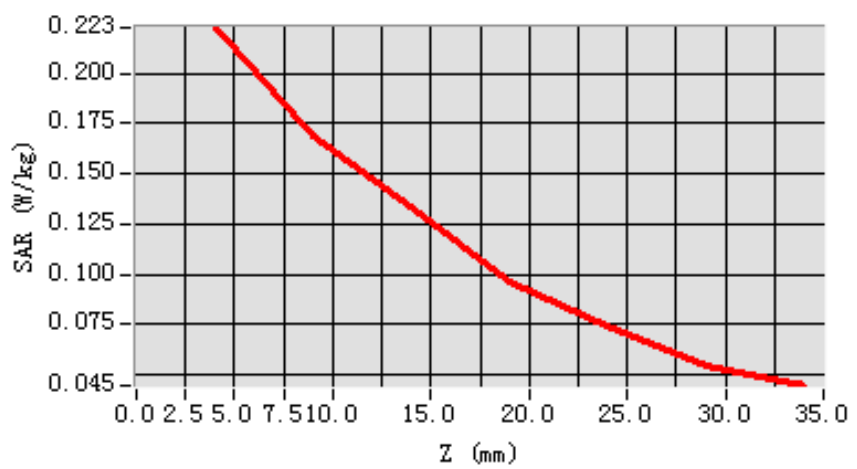
**Maximum location: X=-50.00, Y=-30.00**

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

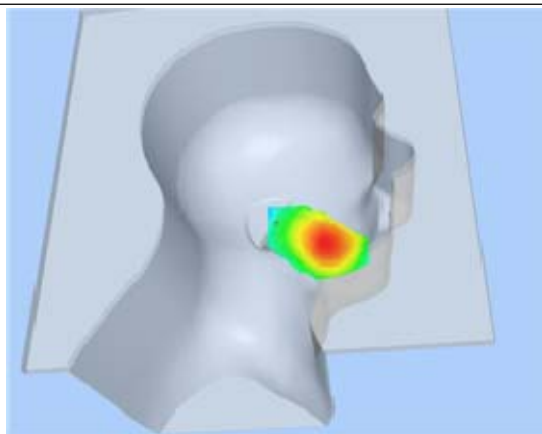
**Z Axis Scan**

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

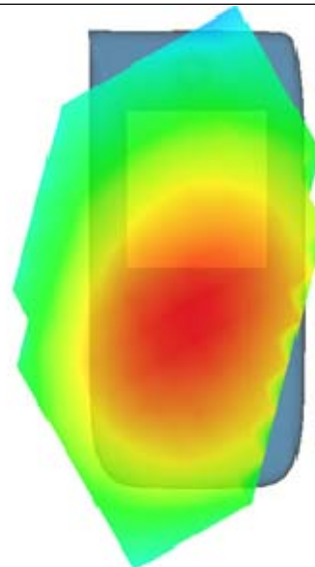
**SAR, Z Axis Scan (X = -50, Y = -30)**



**3D scen shot**



**Hot spot position**



## 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.

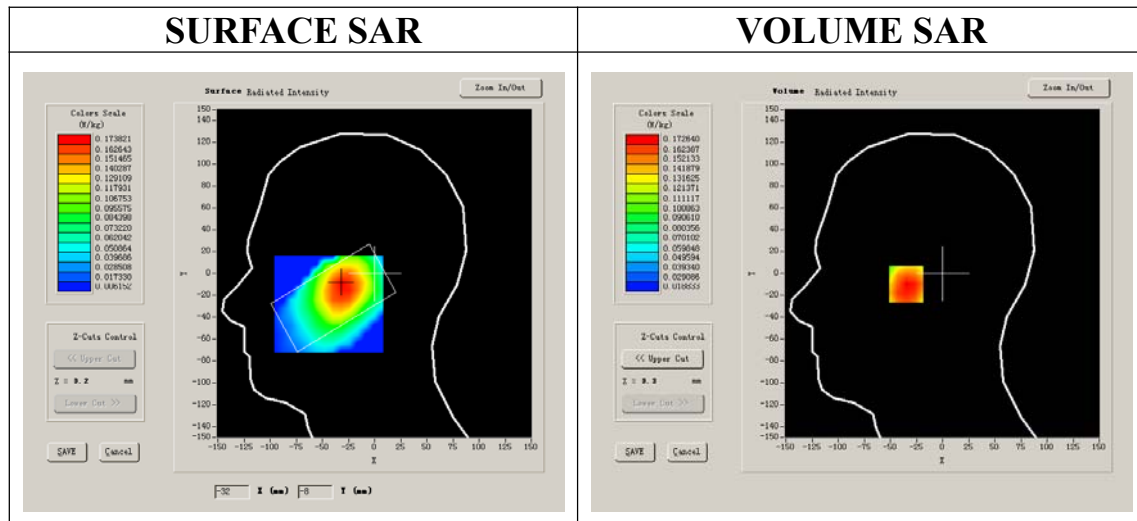
<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	GSM1900
<b>Channels</b>	High
<b>Signal</b>	GSM

### B. SAR Measurement Results

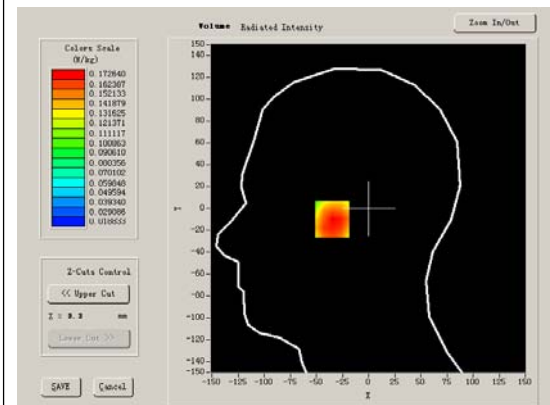
Higher Band SAR (Channel 810):

<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

#### SURFACE SAR



#### VOLUME SAR



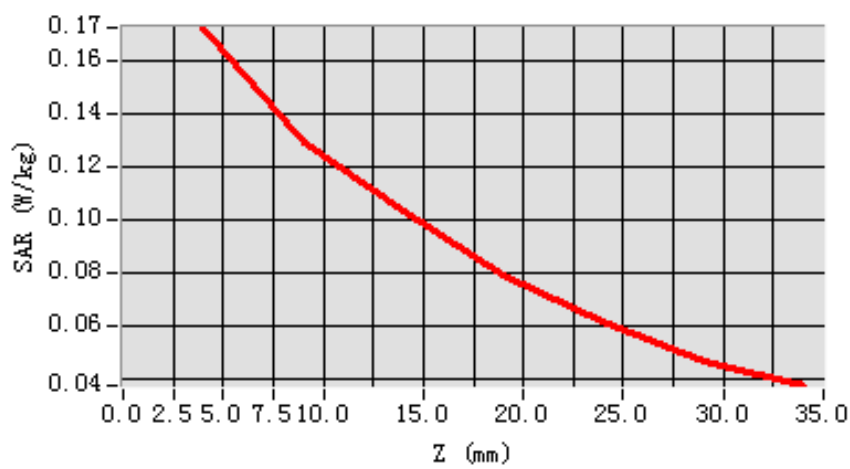
**Maximum location: X=-31.00, Y=-10.00**

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

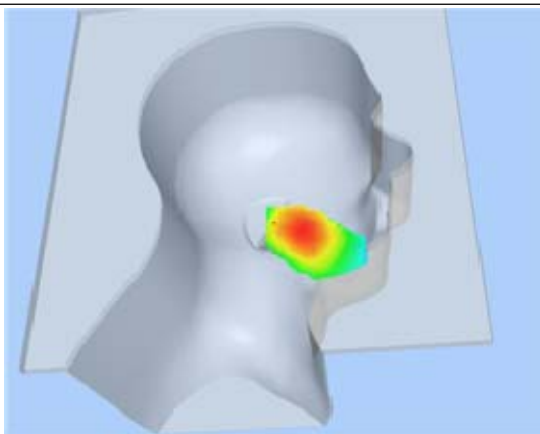
**Z Axis Scan**

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

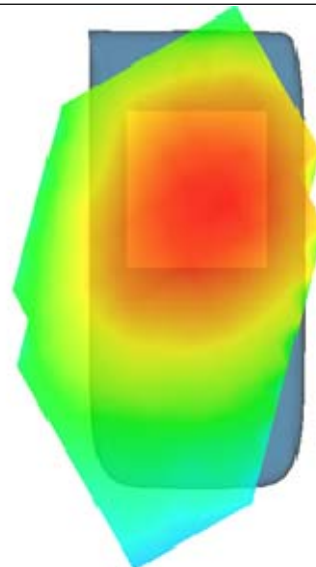
**SAR, Z Axis Scan (X = -31, Y = -10)**



**3D scen shot**



**Hot spot position**



# 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.

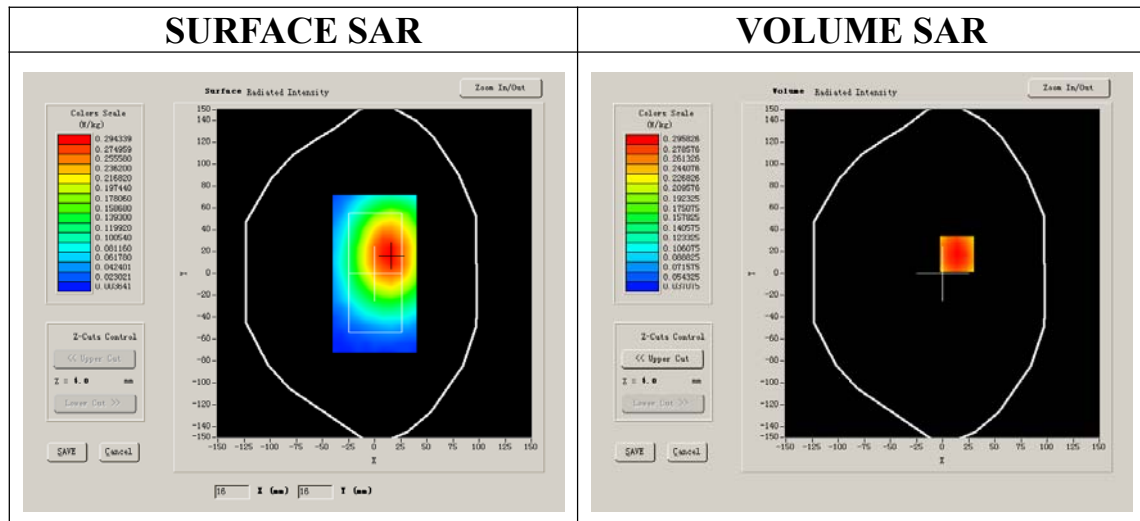
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM1900
<b>Channels</b>	High
<b>Signal</b>	GSM

## B. SAR Measurement Results

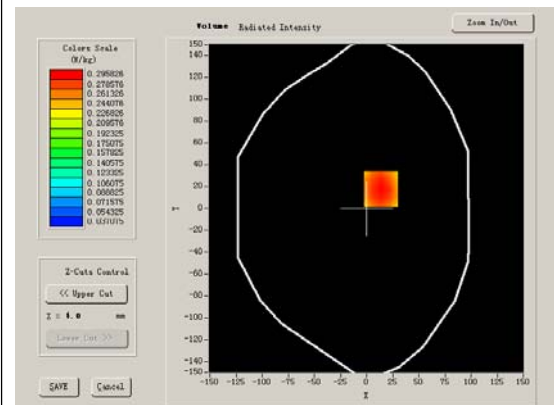
Higher Band SAR (Channel 810):

<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

### SURFACE SAR



### VOLUME SAR



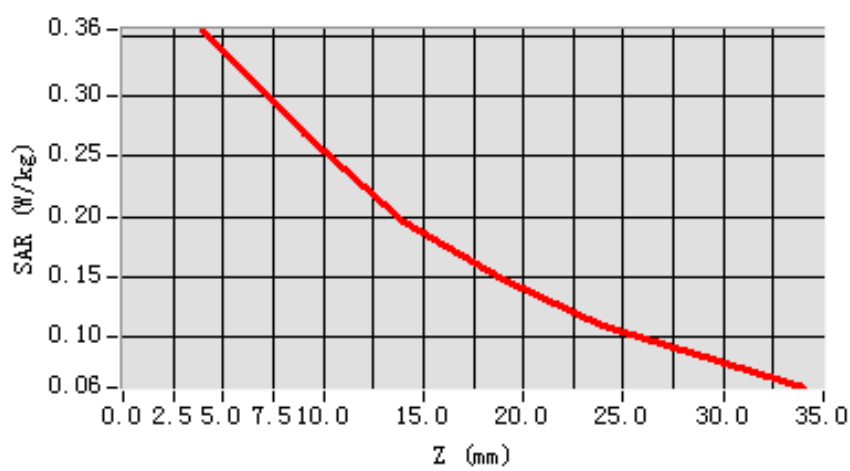
**Maximum location: X=14.00, Y=18.00**

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

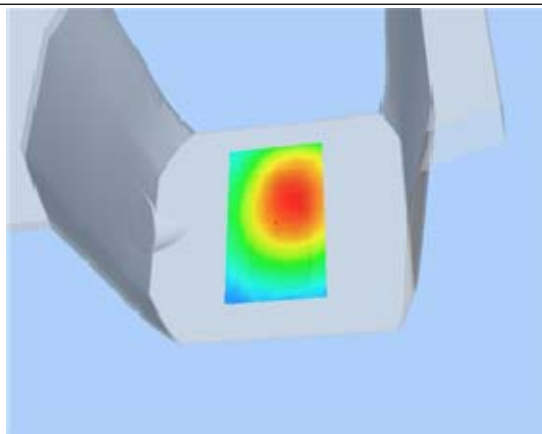
**Z Axis Scan**

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

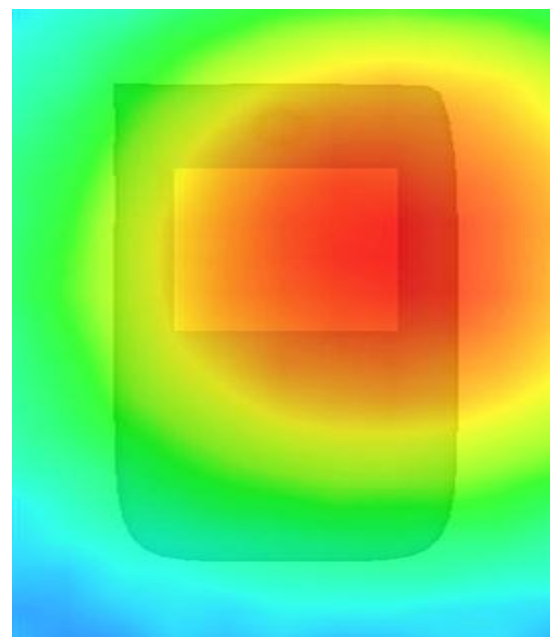
**SAR, Z Axis Scan (X = 14, Y = 18)**



**3D scen shot**



**Hot spot position**



# 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.

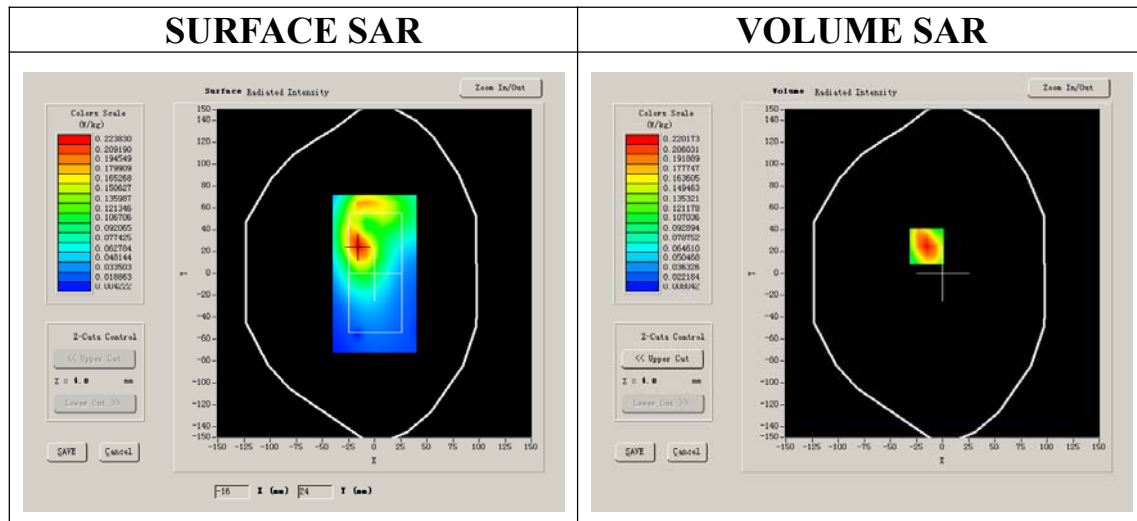
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM1900
<b>Channels</b>	High
<b>Signal</b>	GSM

## B. SAR Measurement Results

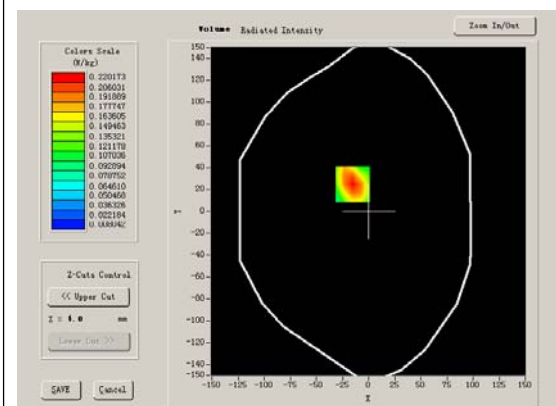
Higher Band SAR (Channel 810):

<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

### SURFACE SAR



### VOLUME SAR



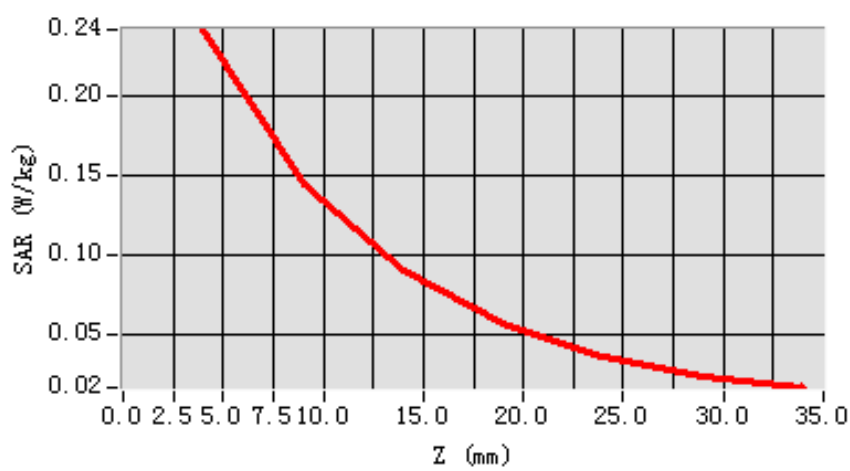
**Maximum location: X=-15.00, Y=25.00**

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

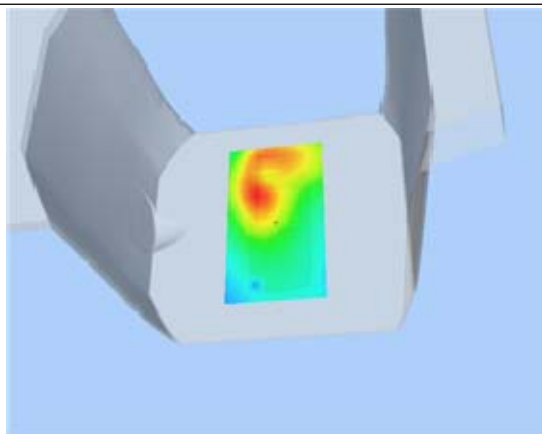
**Z Axis Scan**

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

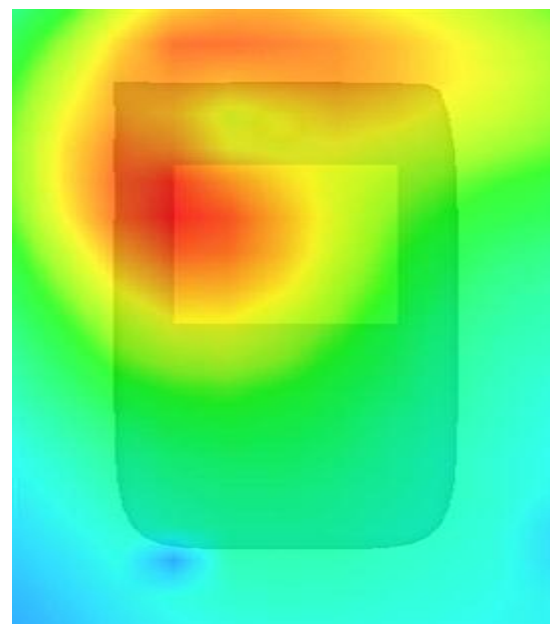
**SAR, Z Axis Scan (X = -15, Y = 25)**



**3D scen shot**



**Hot spot position**



## 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.

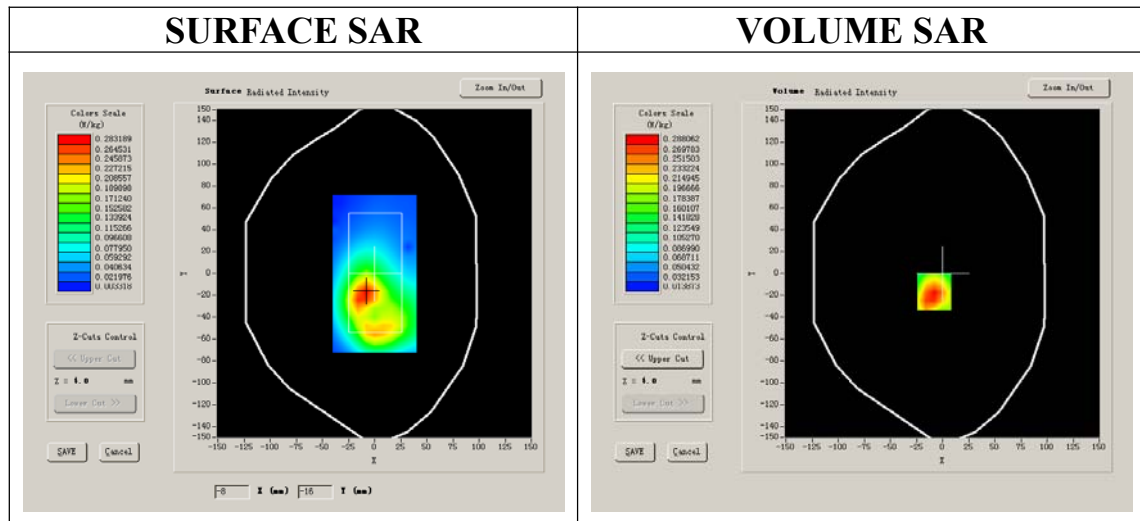
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM1900
<b>Channels</b>	High (2 up)
<b>Signal</b>	GPRS

### B. SAR Measurement Results

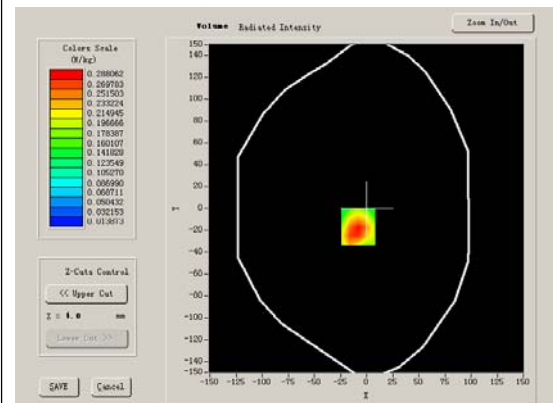
Higher Band SAR (Channel 810):

<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

#### SURFACE SAR



#### VOLUME SAR





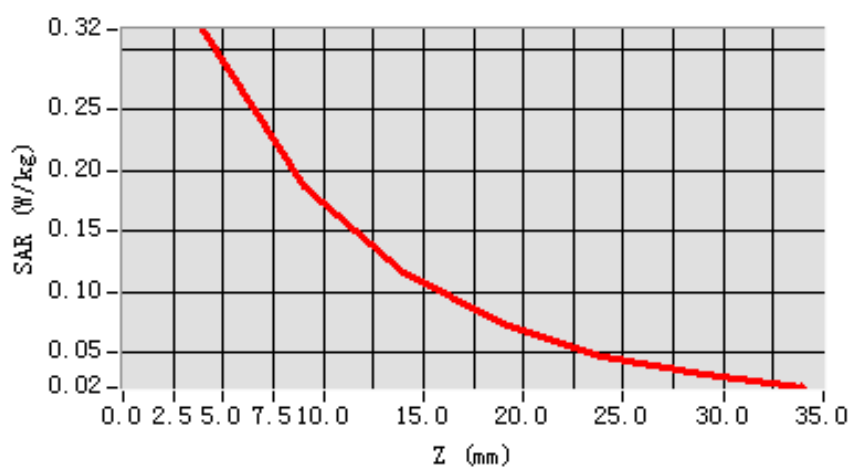
**Maximum location: X=-8.00, Y=-17.00**

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

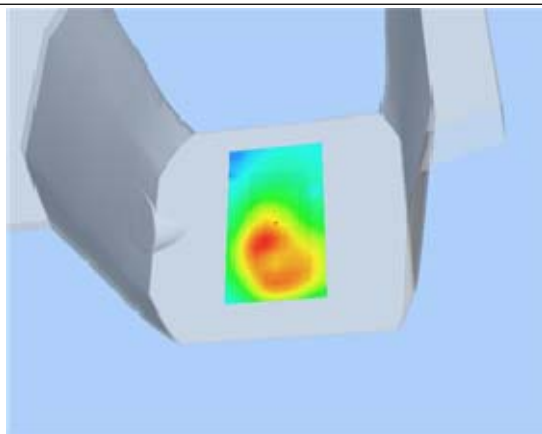
**Z Axis Scan**

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

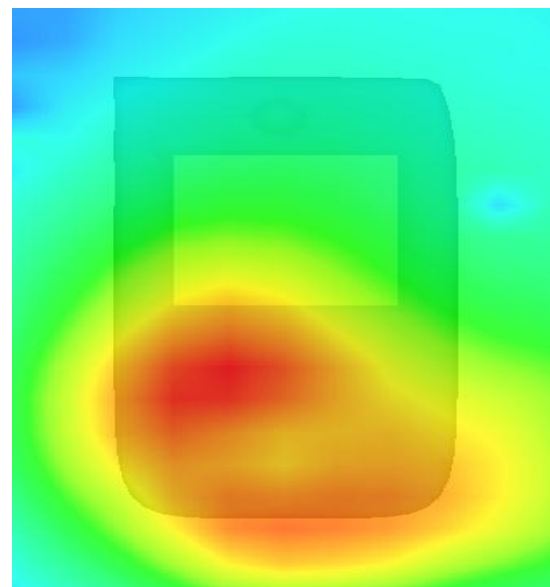
**SAR, Z Axis Scan (X = -8, Y = -17)**



**3D scen shot**



**Hot spot position**



## 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.

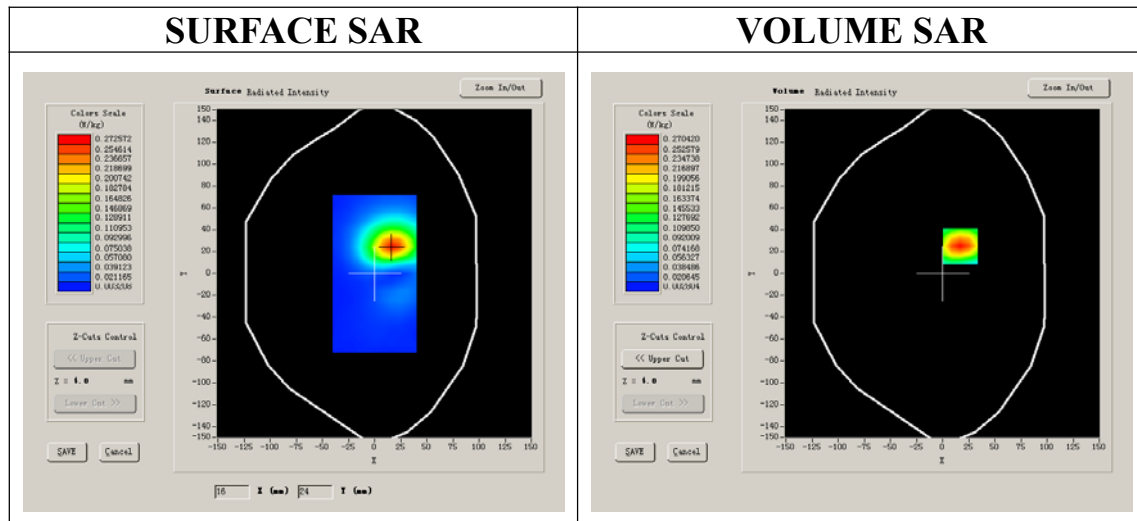
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM1900
<b>Channels</b>	High (2 up)
<b>Signal</b>	GPRS

### B. SAR Measurement Results

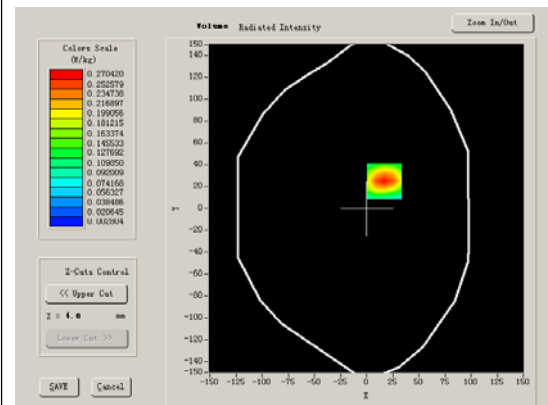
Higher Band SAR (Channel 810):

<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

#### SURFACE SAR



#### VOLUME SAR



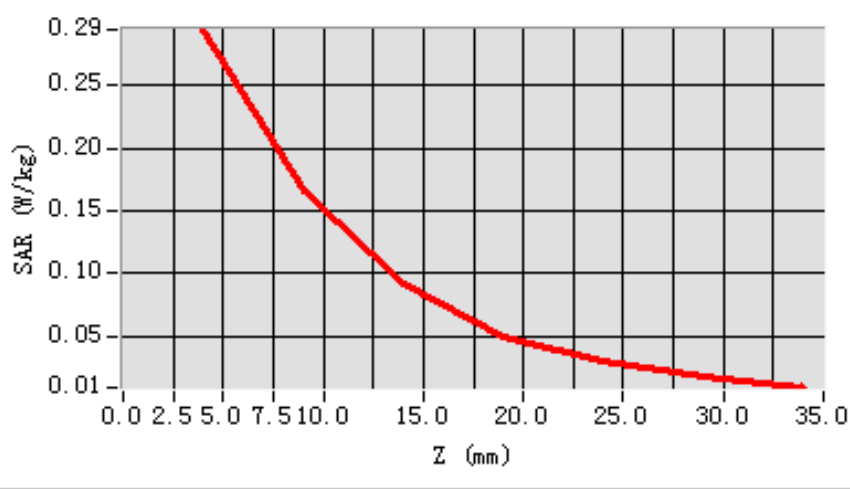
**Maximum location: X= X=17.00, Y=25.00**

<b>SAR 10g (W/Kg)</b>	0.150628
<b>SAR 1g (W/Kg)</b>	0.276069

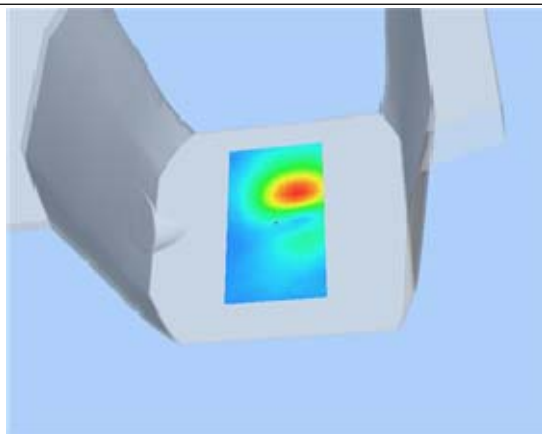
**Z Axis Scan**

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

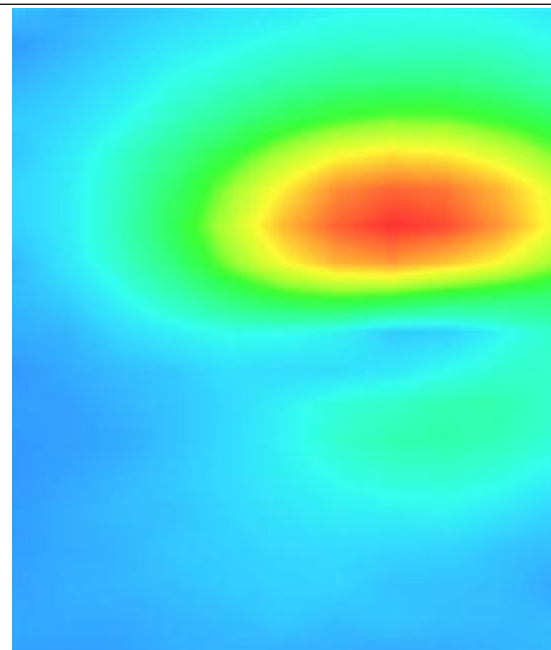
**SAR, Z Axis Scan (X = 17, Y = 25)**



**3D scen shot**



**Hot spot position**



# 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.

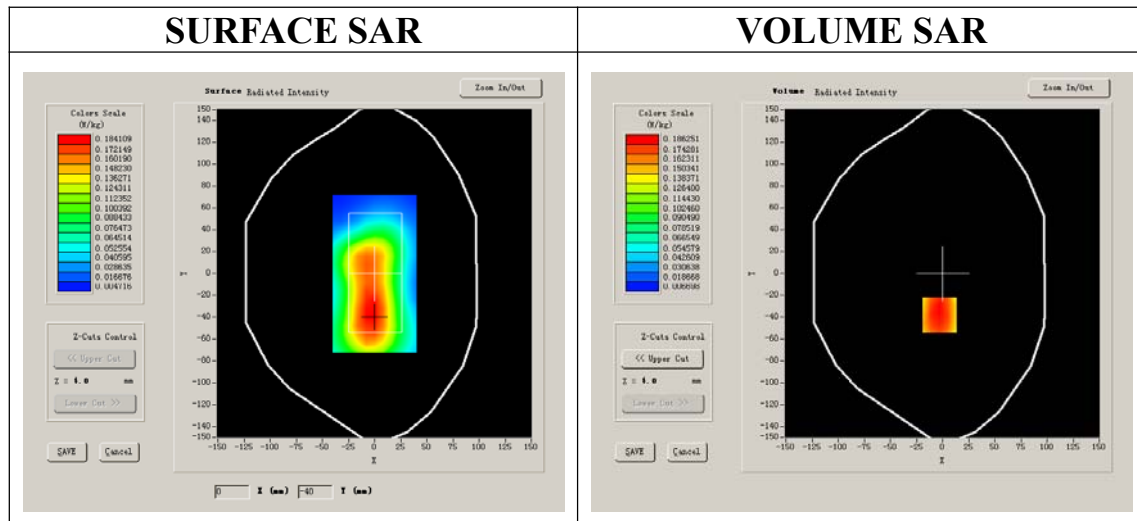
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM1900
<b>Channels</b>	High (2 up)
<b>Signal</b>	GPRS

## B. SAR Measurement Results

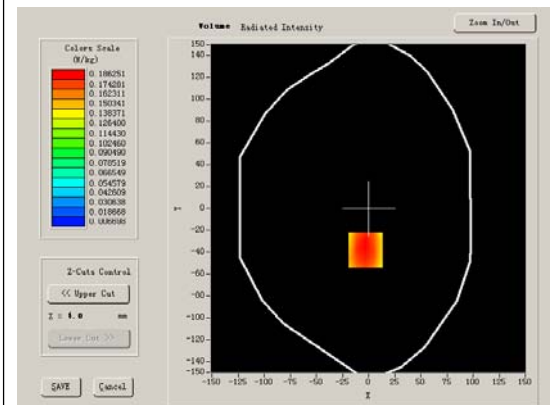
Higher Band SAR (Channel 810):

<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

### SURFACE SAR



### VOLUME SAR



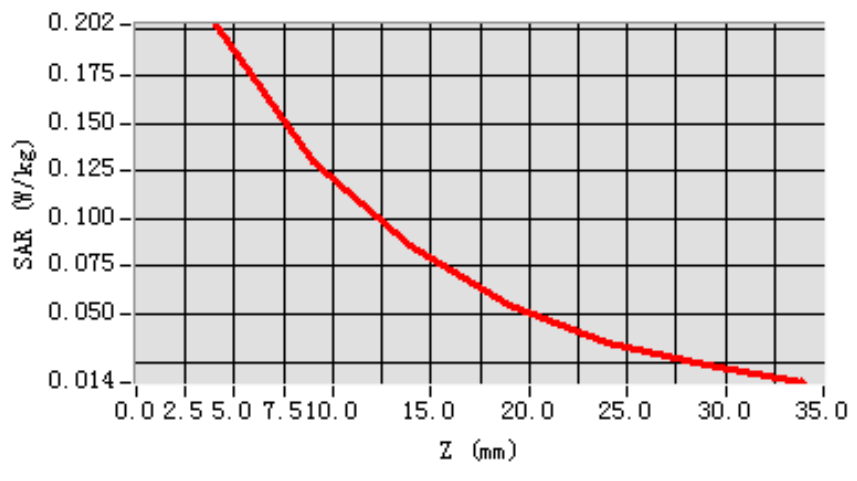
**Maximum location: X=-3.00, Y=-38.00**

<b>SAR 10g (W/Kg)</b>	0.125605
<b>SAR 1g (W/Kg)</b>	0.195618

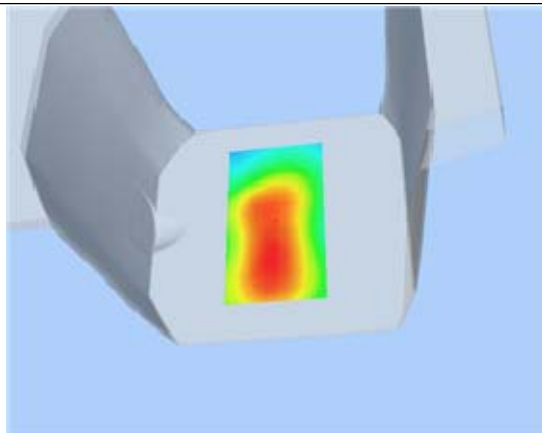
**Z Axis Scan**

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

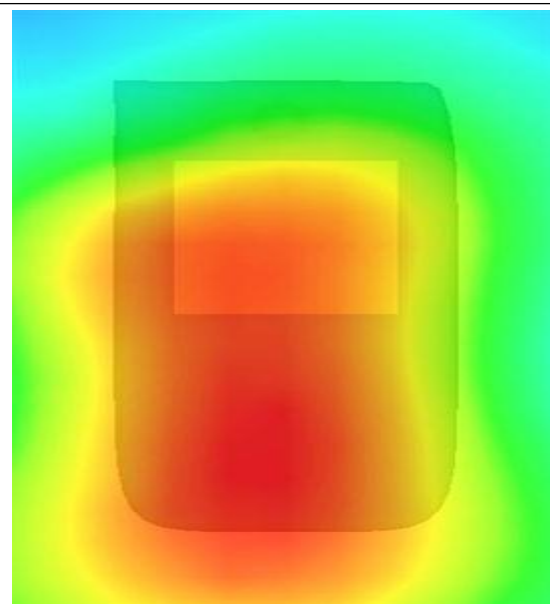
**SAR, Z Axis Scan (X = -3, Y = -38)**



**3D seen shot**



**Hot spot position**



## 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.

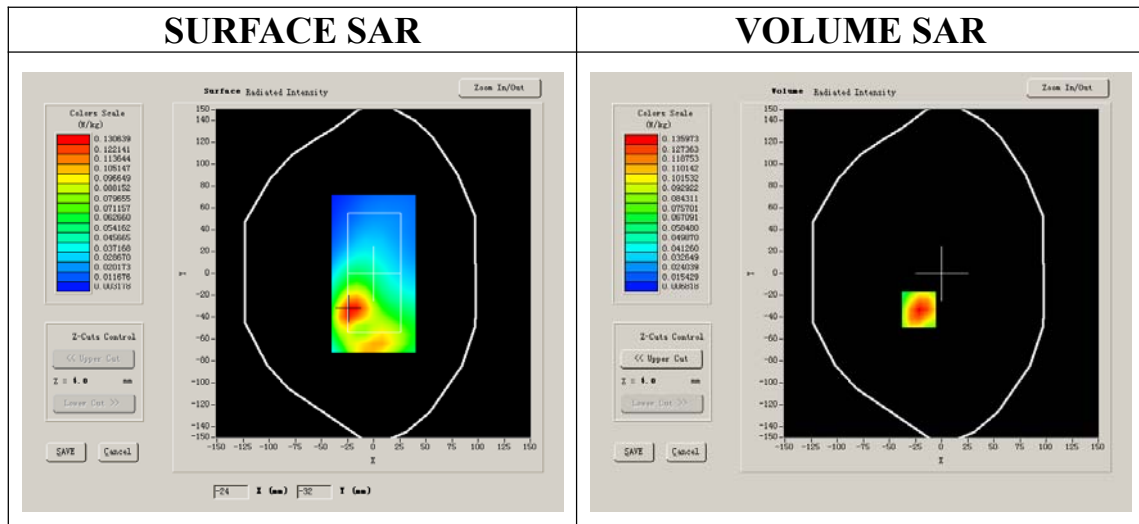
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM1900
<b>Channels</b>	High (2 up)
<b>Signal</b>	GPRS

### B. SAR Measurement Results

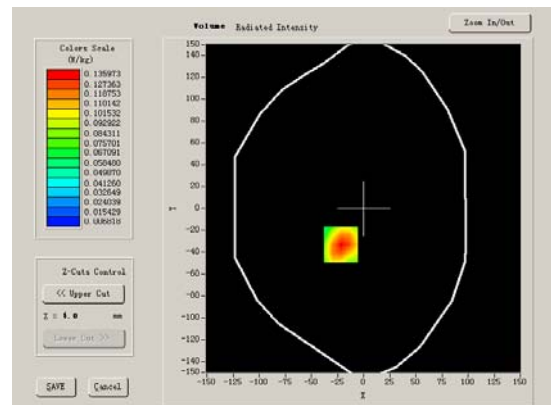
Higher Band SAR (Channel 810):

<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

#### SURFACE SAR



#### VOLUME SAR



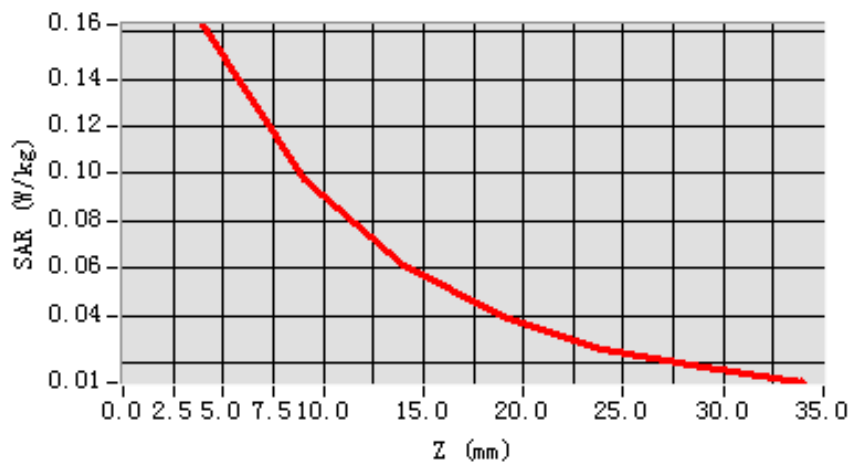
**Maximum location: X=-22.00, Y=-33.00**

<b>SAR 10g (W/Kg)</b>	0.093804
<b>SAR 1g (W/Kg)</b>	0.155393

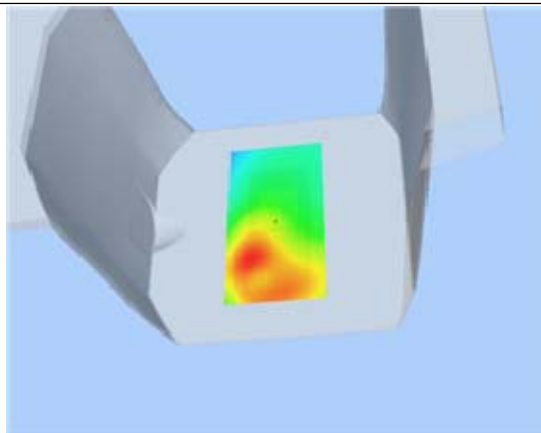
**Z Axis Scan**

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

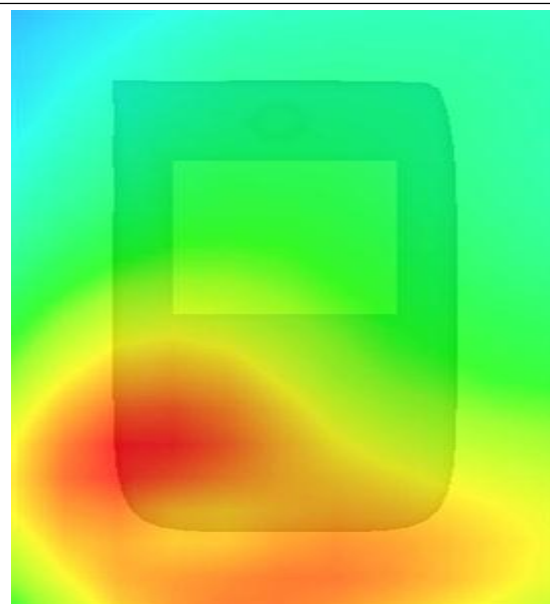
**SAR, Z Axis Scan (X = -22, Y = -33)**



**3D scene shot**



**Hot spot position**



## 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.

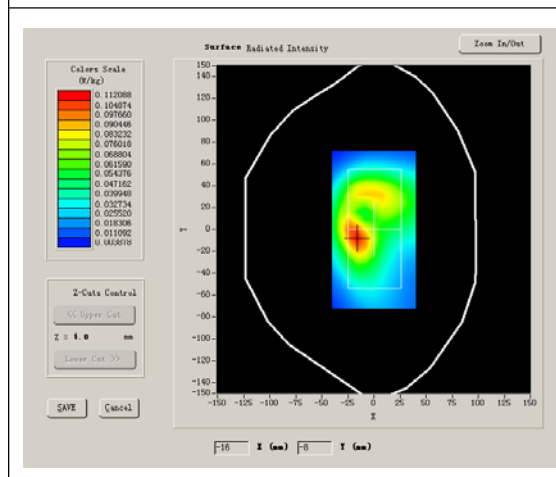
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM1900
<b>Channels</b>	High (2 up)
<b>Signal</b>	GPRS

### B. SAR Measurement Results

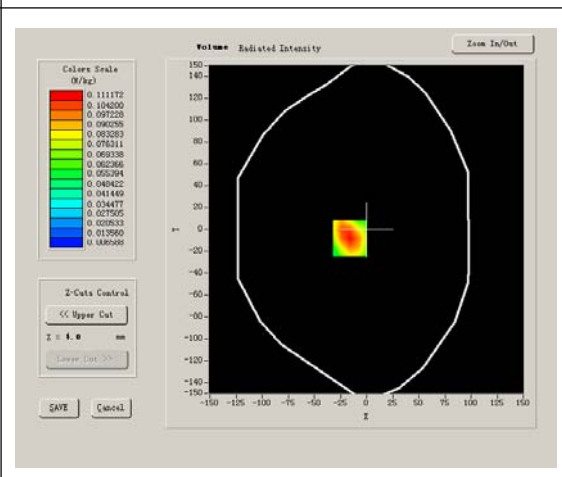
Higher Band SAR (Channel 810):

<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

#### SURFACE SAR



#### VOLUME SAR





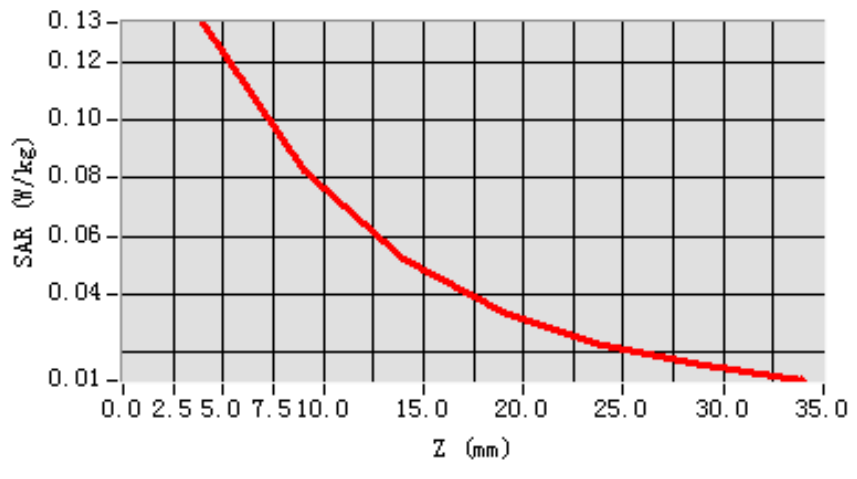
**Maximum location: X=-16.00, Y=-8.00**

<b>SAR 10g (W/Kg)</b>	0.077566
<b>SAR 1g (W/Kg)</b>	0.127409

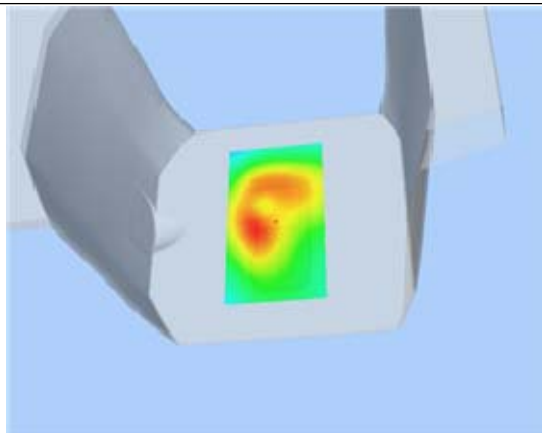
**Z Axis Scan**

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

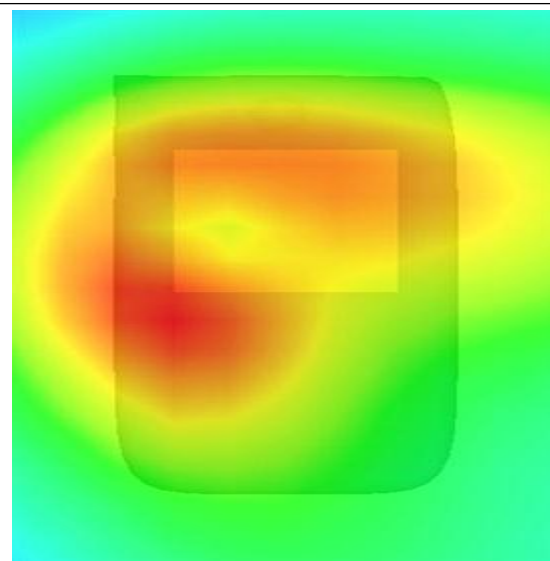
**SAR, Z Axis Scan (X = -16, Y = -8)**



**3D seen shot**



**Hot spot position**



## 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.

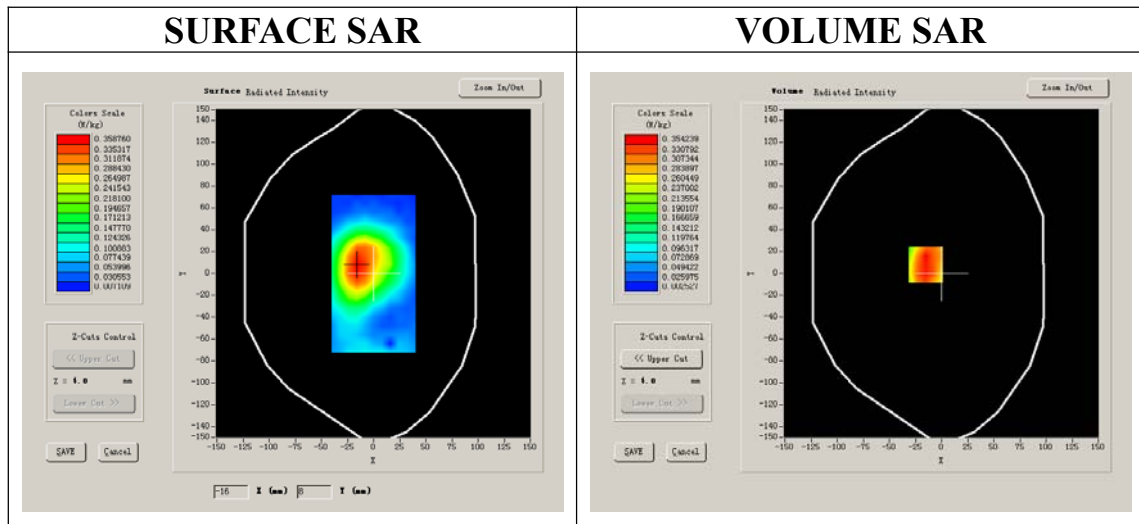
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM1900
<b>Channels</b>	High
<b>Signal</b>	EDGE

### B. SAR Measurement Results

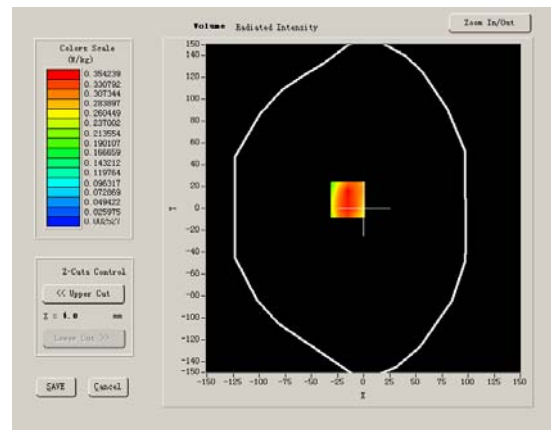
Higher Band SAR (Channel 810):

<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

#### SURFACE SAR



#### VOLUME SAR



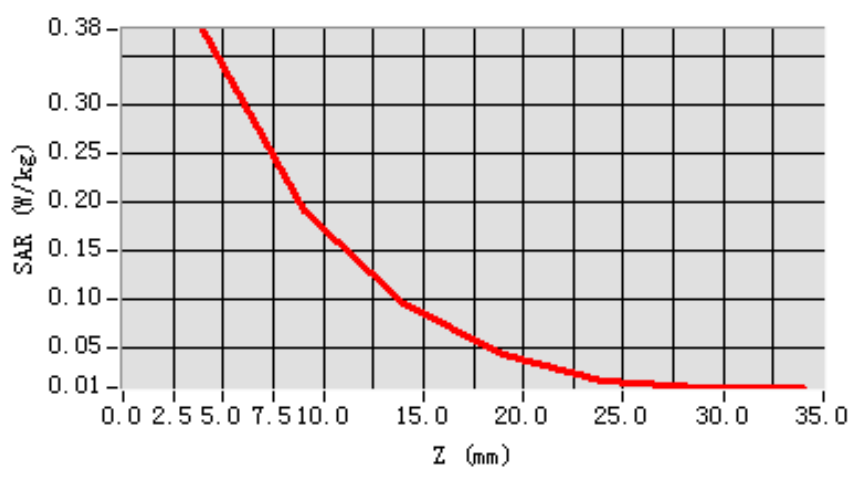
**Maximum location: X=-15.00, Y=8.00**

<b>SAR 10g (W/Kg)</b>	0.199144
<b>SAR 1g (W/Kg)</b>	0.366578

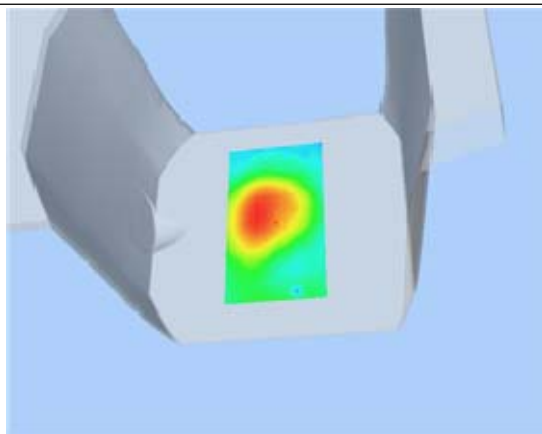
**Z Axis Scan**

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

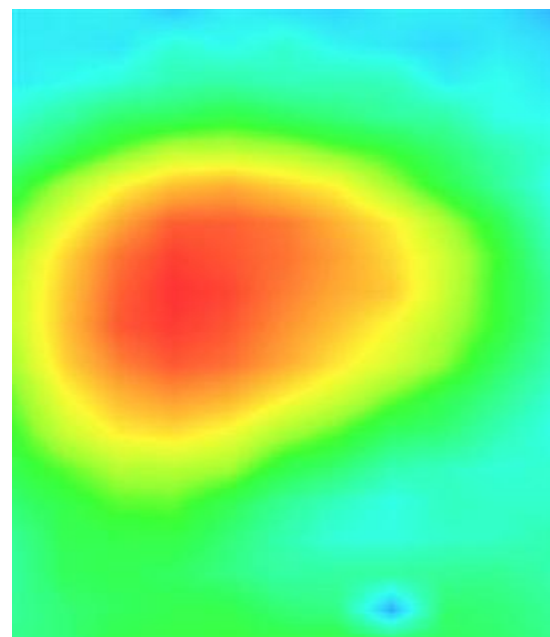
**SAR, Z Axis Scan (X = -15, Y = 8)**



**3D scen shot**



**Hot spot position**



## 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.

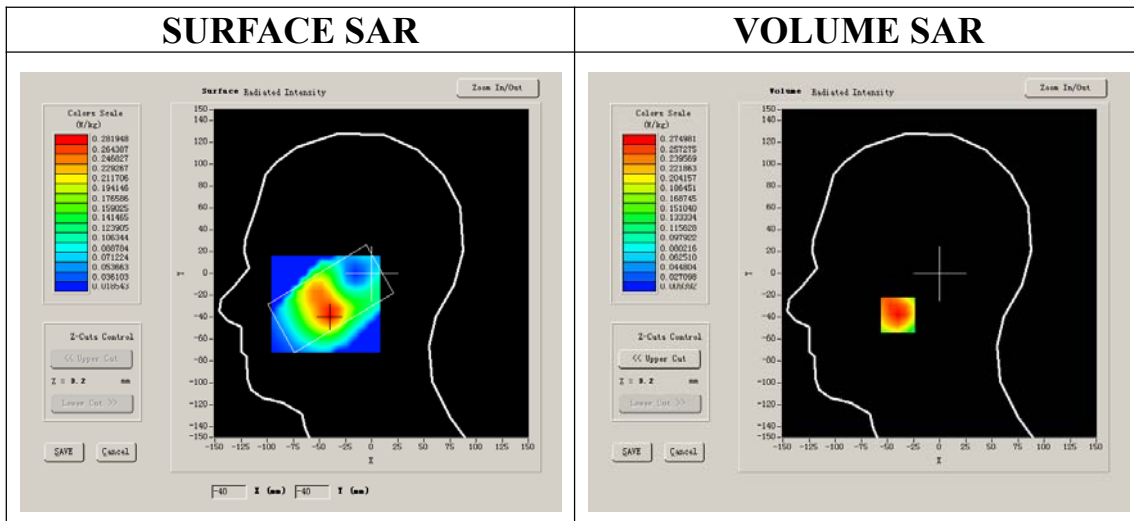
<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	WCDMA850
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

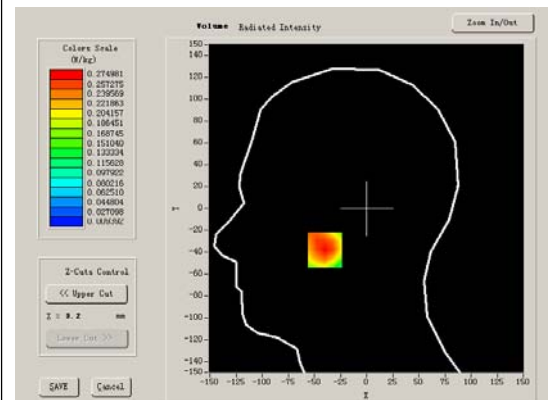
Middle Band SAR (Channel 4175):

<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

#### SURFACE SAR



#### VOLUME SAR



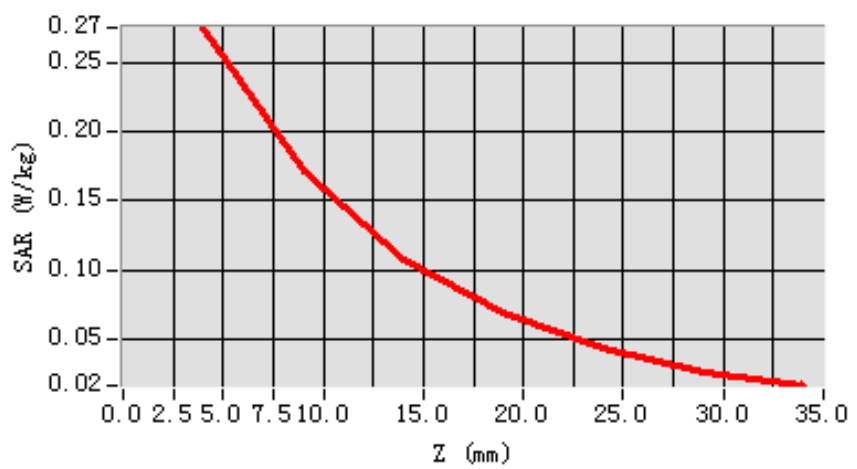
**Maximum location: X=-40.00, Y=-38.00**

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

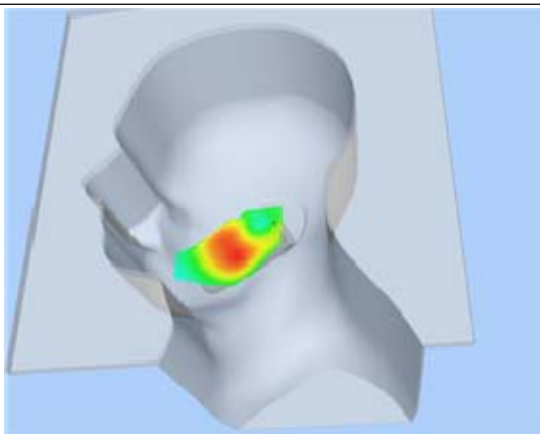
**Z Axis Scan**

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

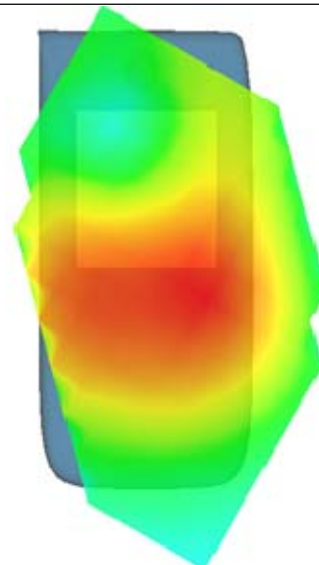
**SAR, Z Axis Scan (X = -40, Y = -38)**



**3D scen shot**



**Hot spot position**



## 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.

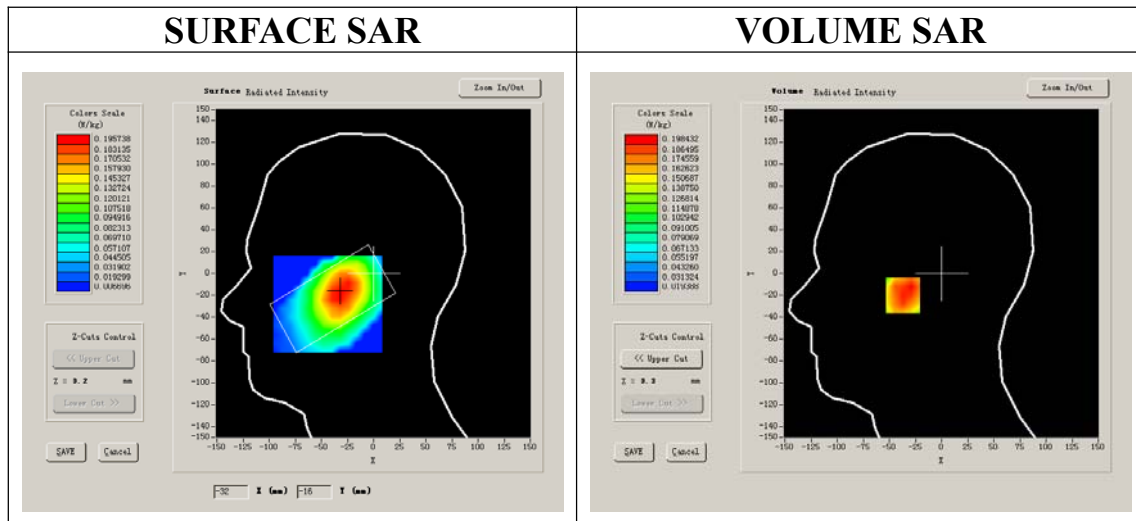
<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Right head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA850
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

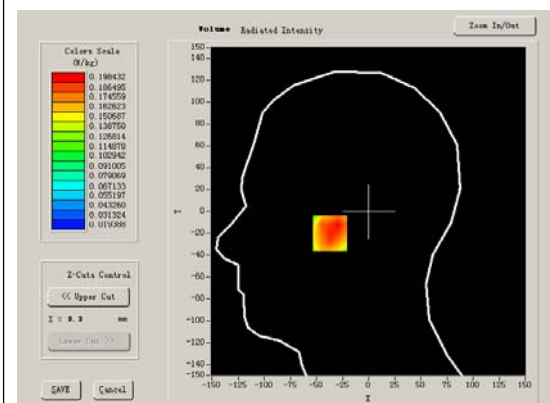
Middle Band SAR (Channel 4175):

<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

#### SURFACE SAR



#### VOLUME SAR



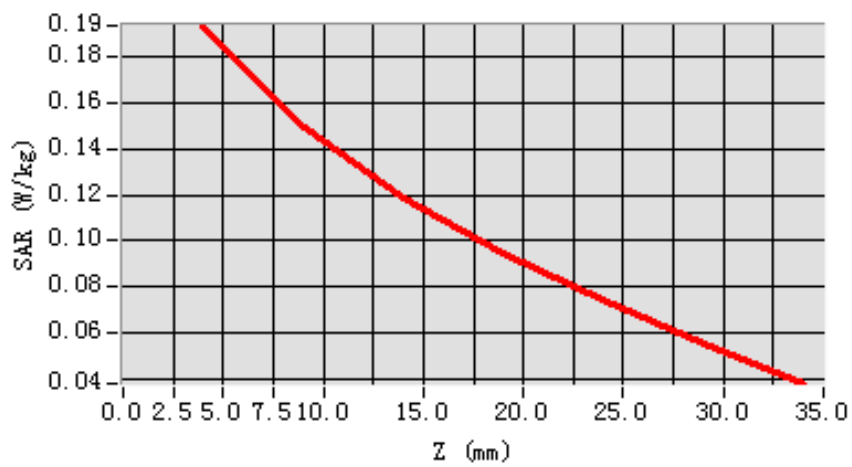
**Maximum location: X=-33.00, Y=-20.00**

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

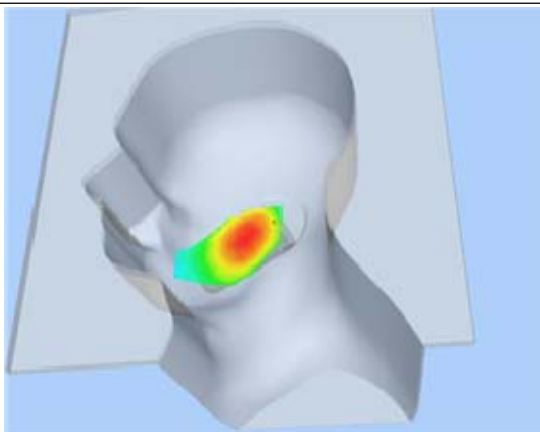
**Z Axis Scan**

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

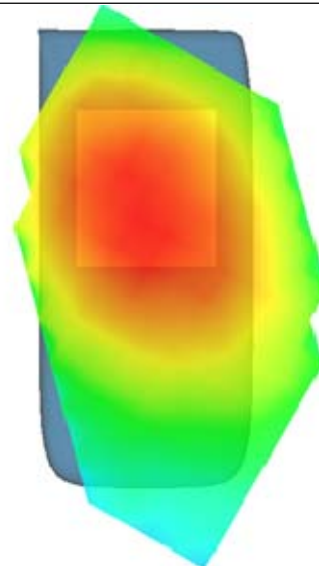
**SAR, Z Axis Scan (X = -33, Y = -20)**



**3D scen shot**



**Hot spot position**



## 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

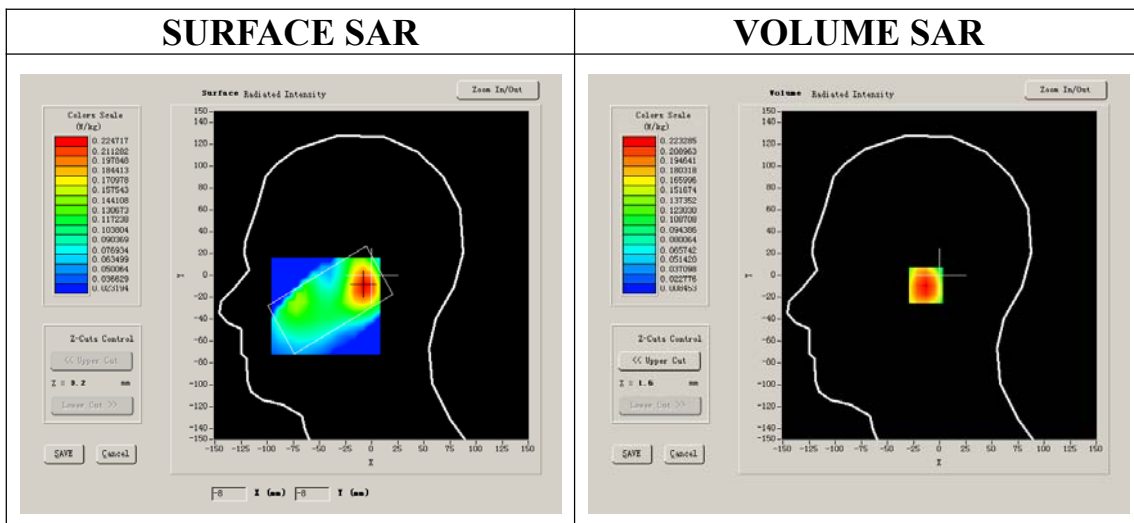
### A. Experimental conditions.

<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





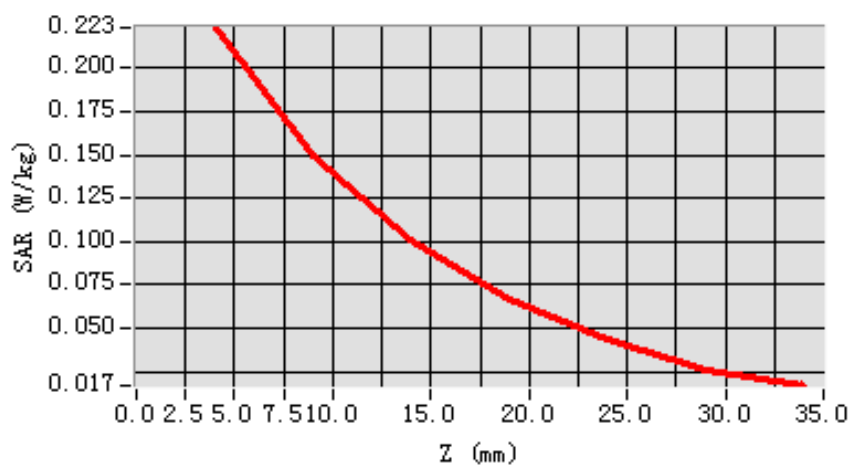
**Maximum location: X=-6.00, Y=-9.00**

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

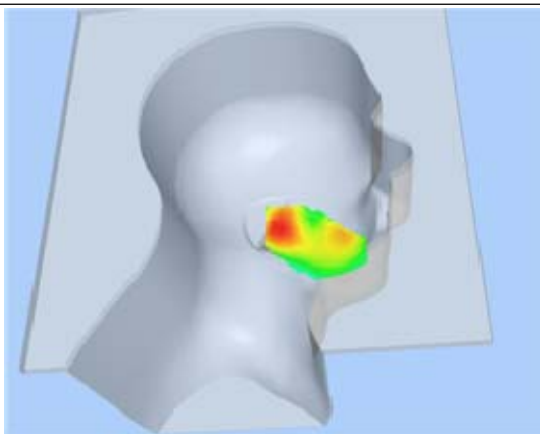
**Z Axis Scan**

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

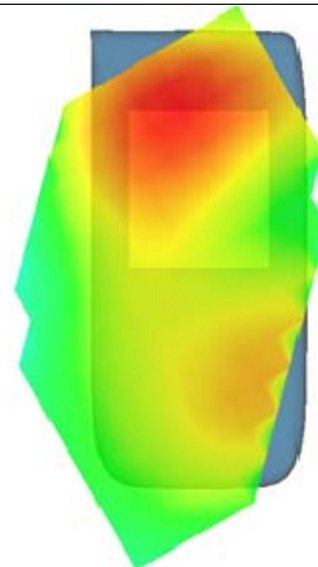
**SAR, Z Axis Scan (X = -6, Y = -9)**



**3D scen shot**



**Hot spot position**



## 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.

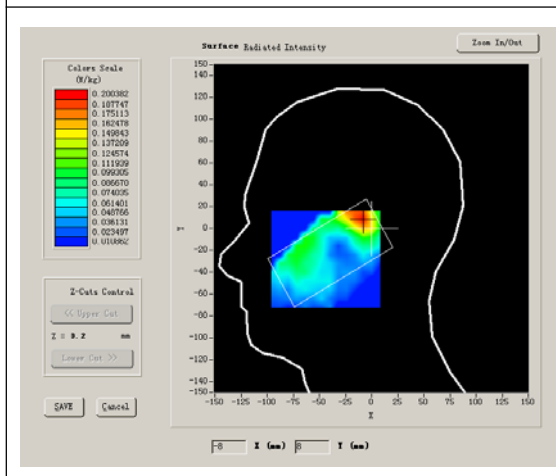
<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA850
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

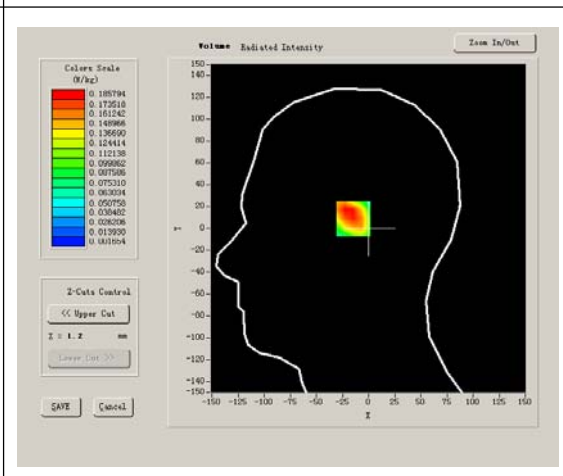
Middle Band SAR (Channel 4175):

<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

#### SURFACE SAR



#### VOLUME SAR



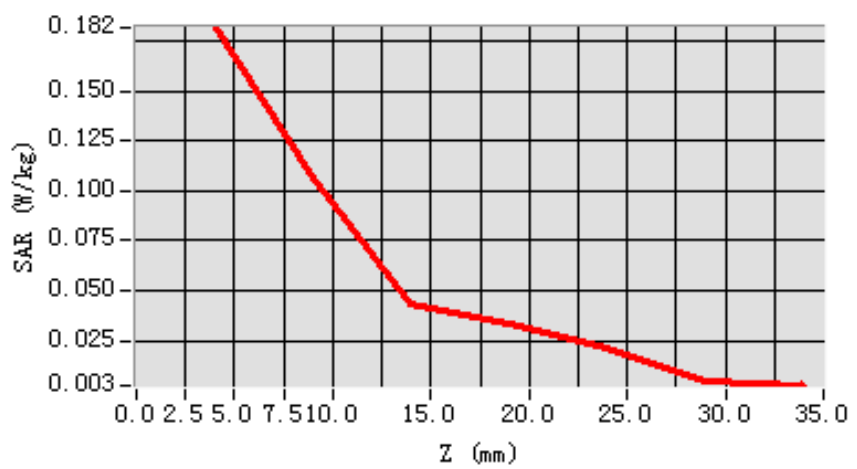
**Maximum location: X=-10.00, Y=9.00**

<b>SAR 10g (W/Kg)</b>	0.096773
<b>SAR 1g (W/Kg)</b>	0.181744

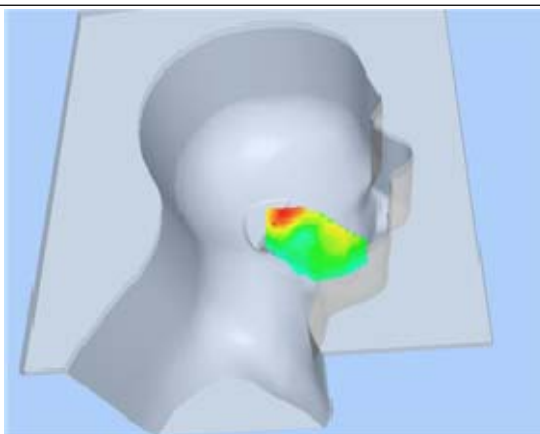
**Z Axis Scan**

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

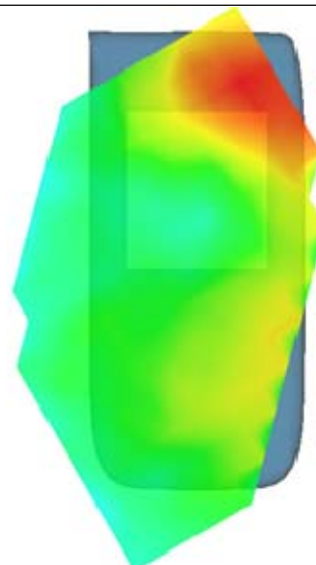
**SAR, Z Axis Scan (X = -10, Y = 9)**



**3D scene shot**



**Hot spot position**



## 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.

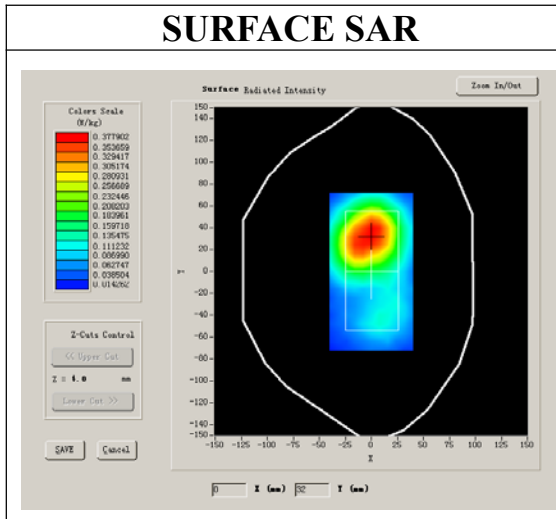
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA850
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

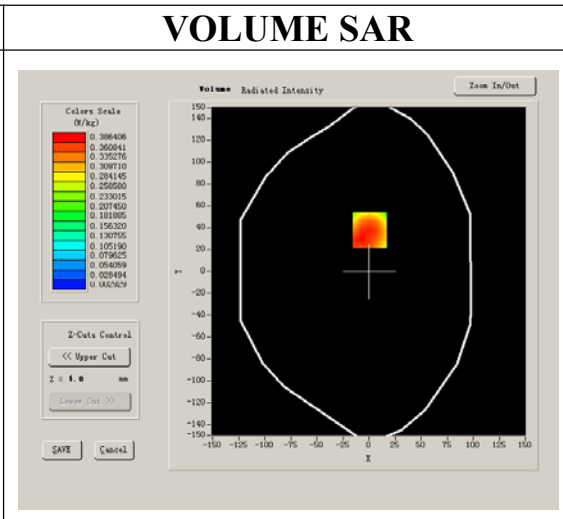
Middle Band SAR (Channel 4175):

<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

#### SURFACE SAR



#### VOLUME SAR



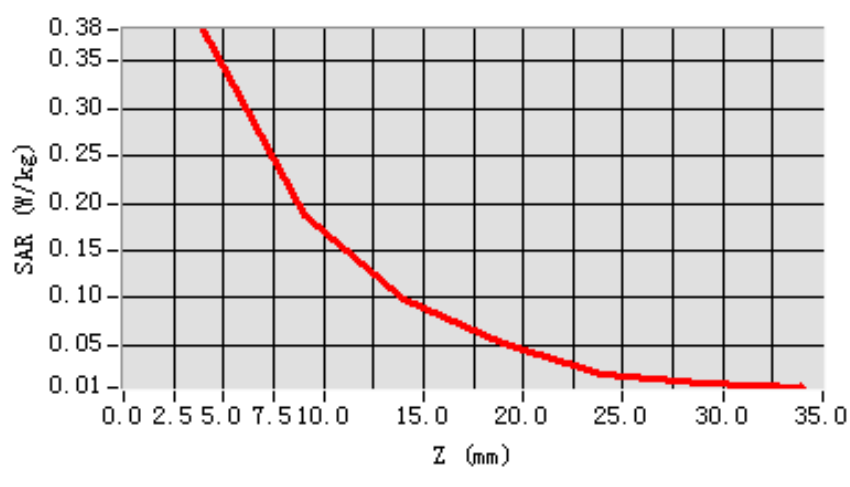
**Maximum location: X=1.00, Y=38.00**

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

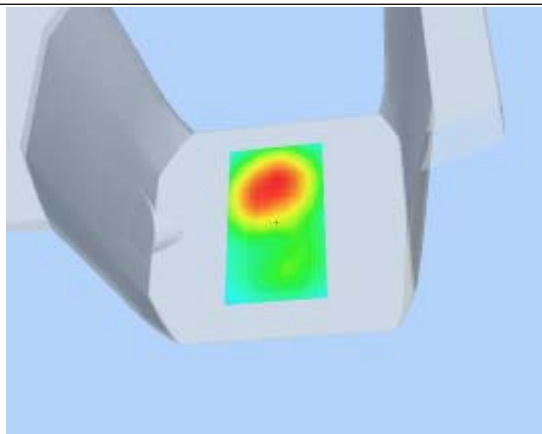
**Z Axis Scan**

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

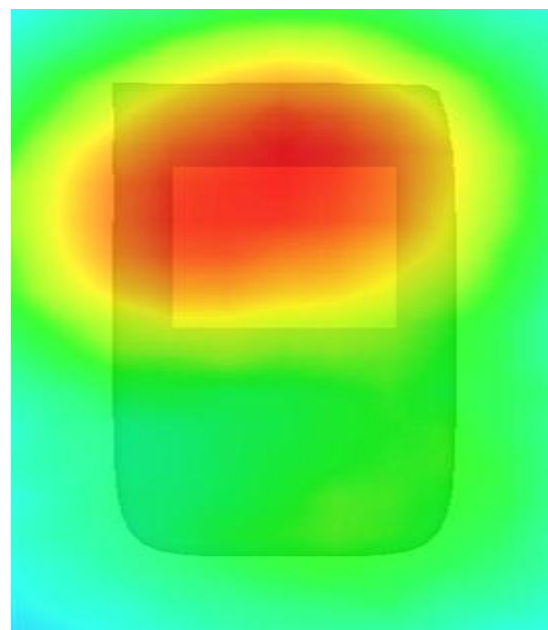
**SAR, Z Axis Scan (X = 1, Y = 38)**



**3D scen shot**



**Hot spot position**



## 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.

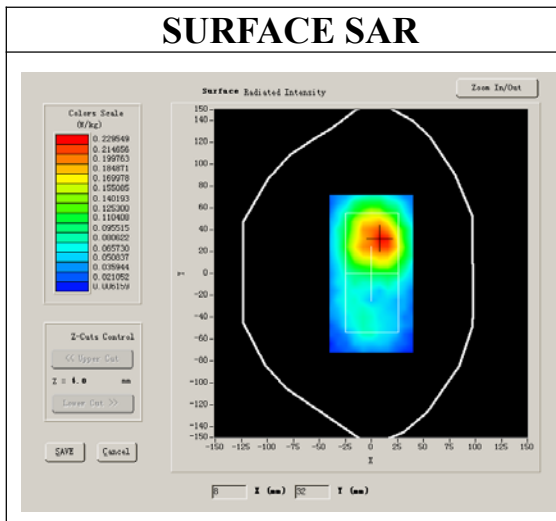
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA850
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

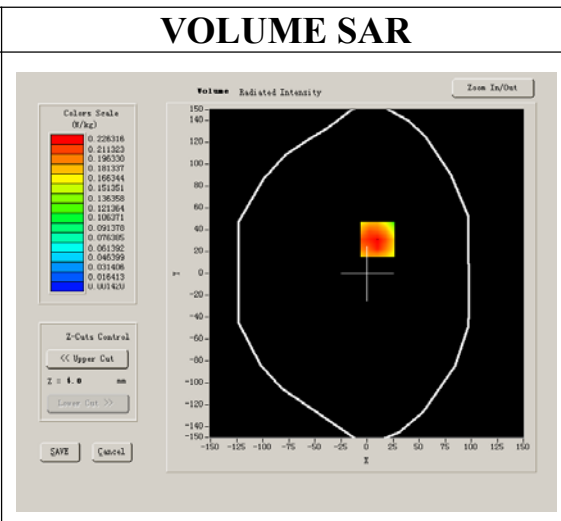
Middle Band SAR (Channel 4175):

<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

#### SURFACE SAR



#### VOLUME SAR



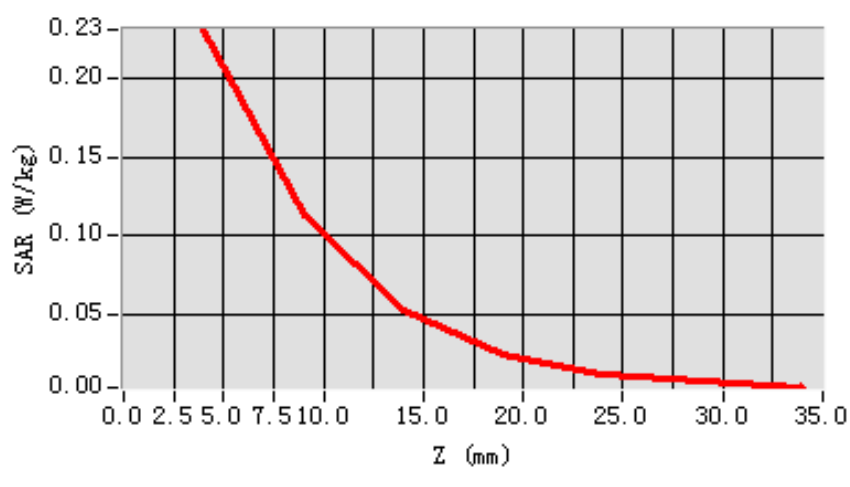
**Maximum location: X=10.00, Y=31.00**

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

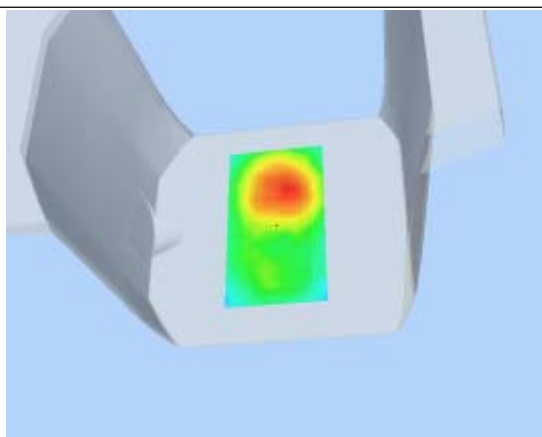
**Z Axis Scan**

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

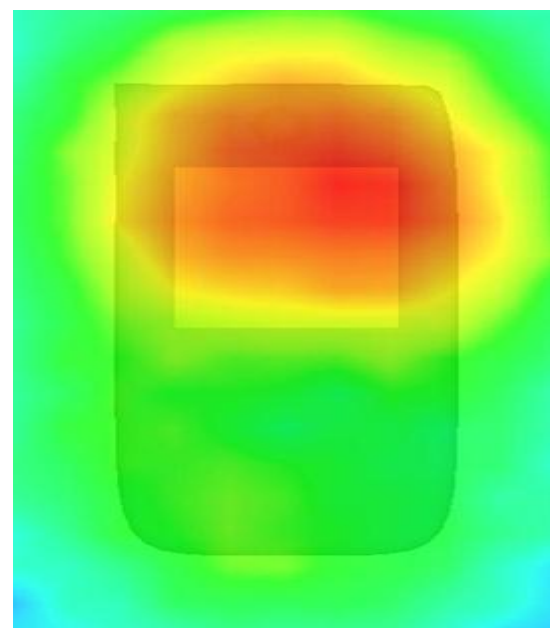
**SAR, Z Axis Scan (X = 10, Y = 31)**



**3D scen shot**



**Hot spot position**



## 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.

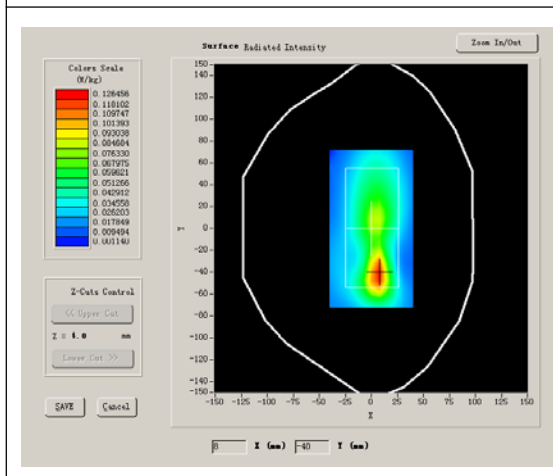
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA850
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

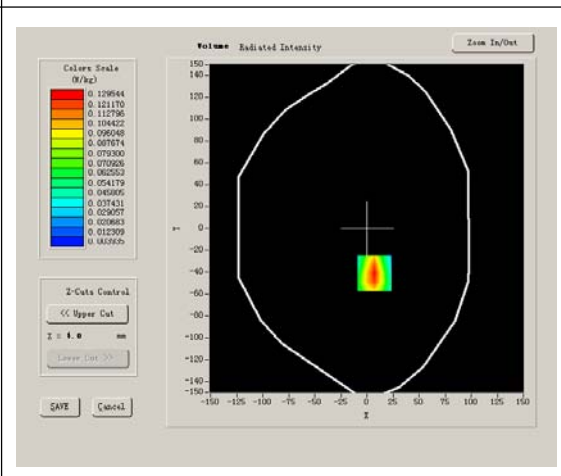
Middle Band SAR (Channel 4175):

<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

#### SURFACE SAR



#### VOLUME SAR





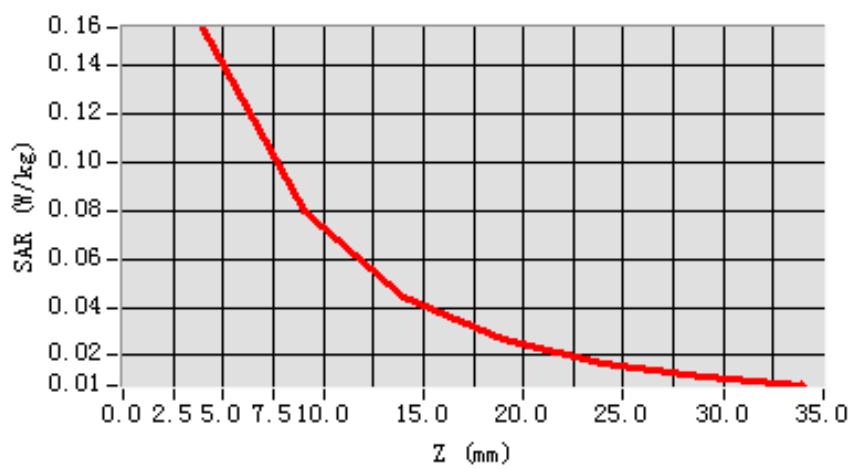
**Maximum location: X=7.00, Y=-41.00**

<b>SAR 10g (W/Kg)</b>	0.075885
<b>SAR 1g (W/Kg)</b>	0.143986

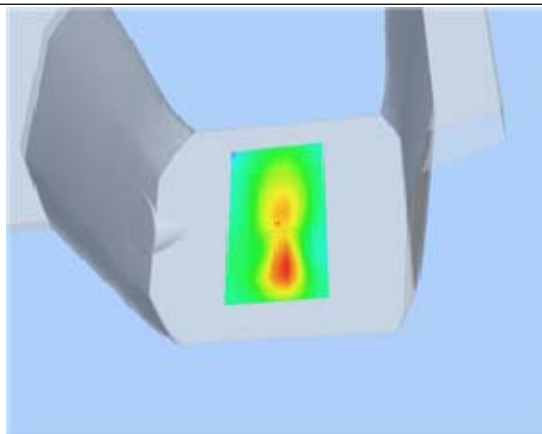
**Z Axis Scan**

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

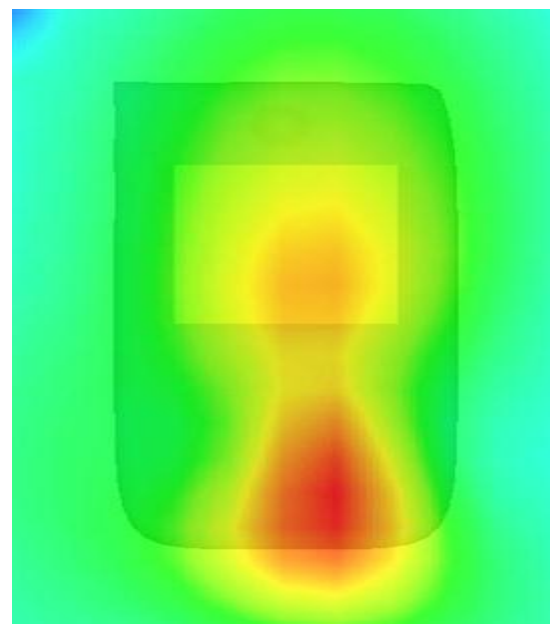
**SAR, Z Axis Scan (X = 7, Y = -41)**



**3D scen shot**



**Hot spot position**



## 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.

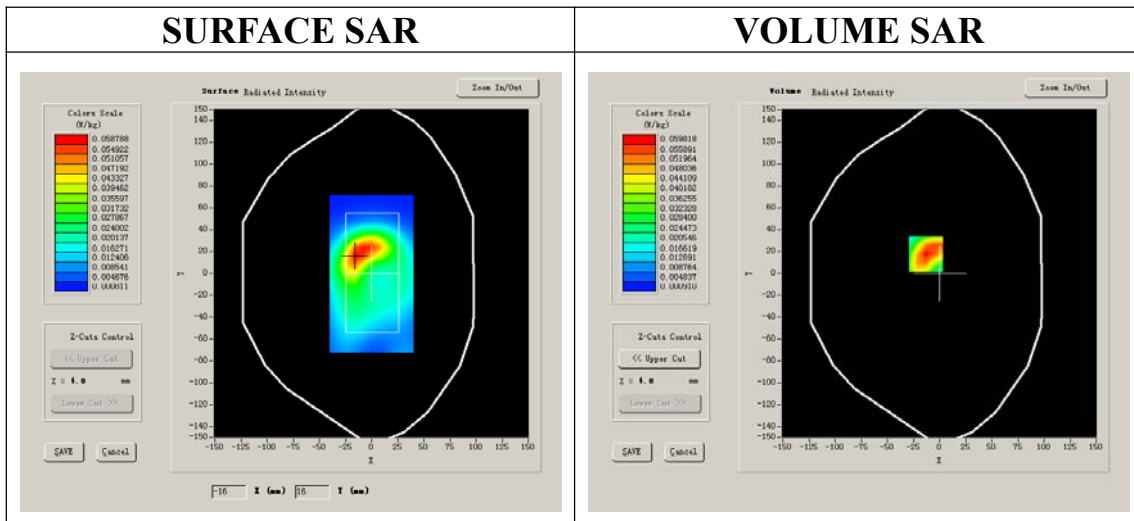
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA850
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

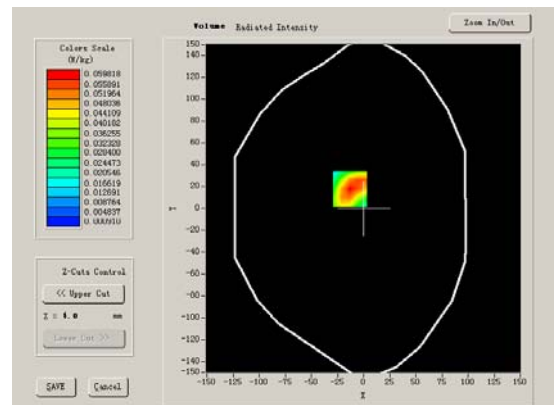
Middle Band SAR (Channel 4175):

<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

#### SURFACE SAR



#### VOLUME SAR



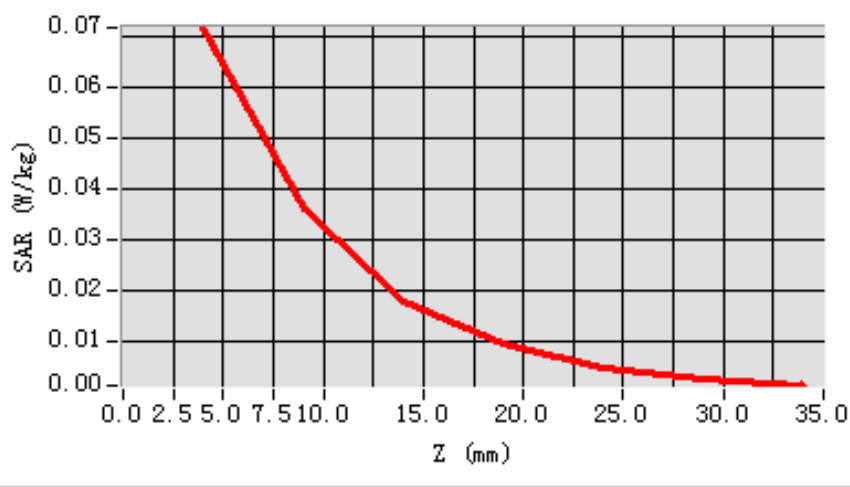
**Maximum location: X=-13.00, Y=18.00**

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

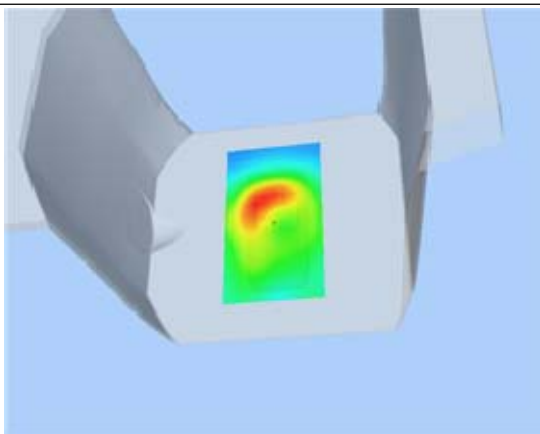
**Z Axis Scan**

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

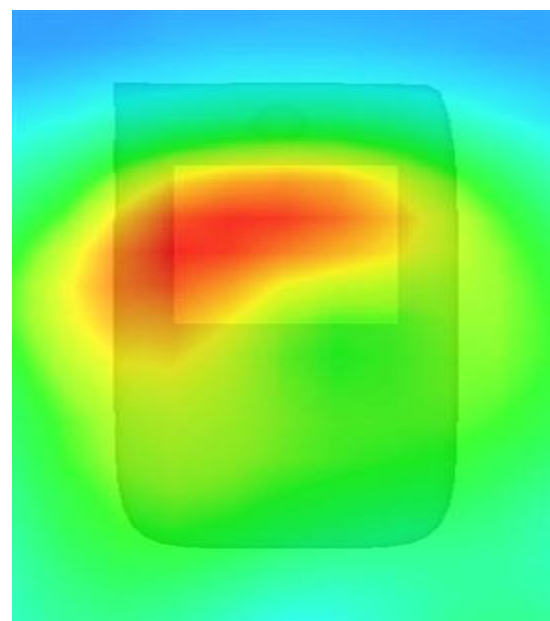
**SAR, Z Axis Scan (X = -13, Y = 18)**



**3D scen shot**



**Hot spot position**



## 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.

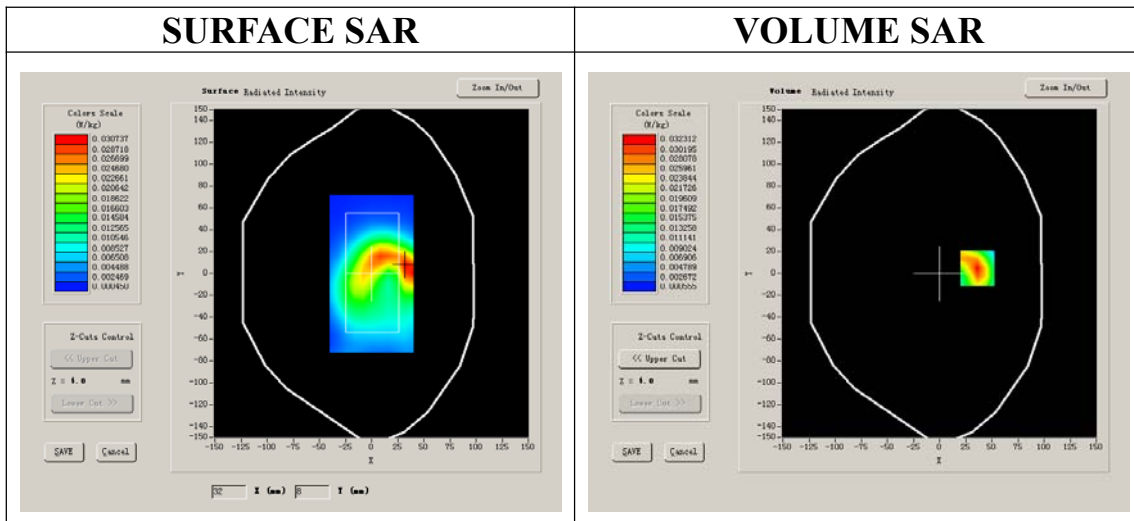
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA850
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

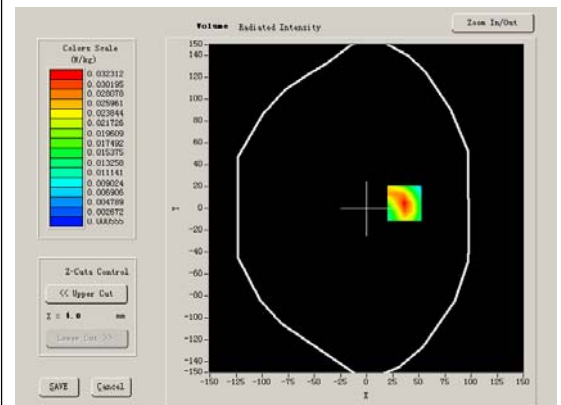
Middle Band SAR (Channel 4175):

<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

#### SURFACE SAR



#### VOLUME SAR



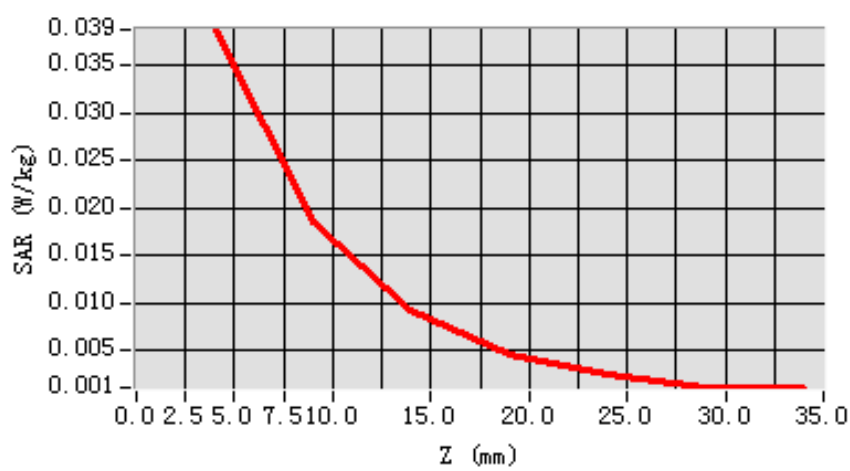
**Maximum location: X=36.00, Y=5.00**

<b>SAR 10g (W/Kg)</b>	0.018095
<b>SAR 1g (W/Kg)</b>	0.036018

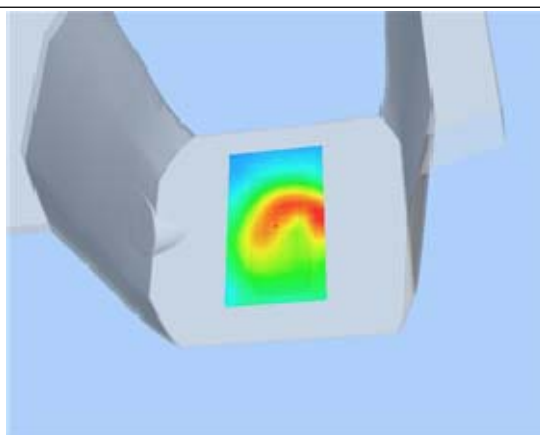
**Z Axis Scan**

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

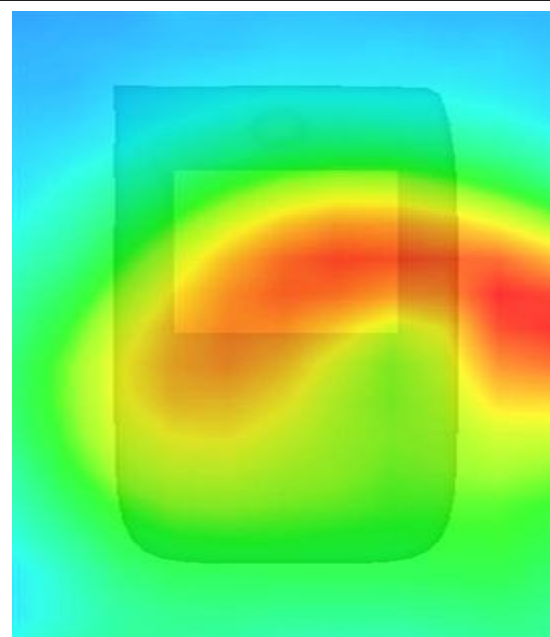
**SAR, Z Axis Scan (X = 36, Y = 5)**



**3D scen shot**



**Hot spot position**



## 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.

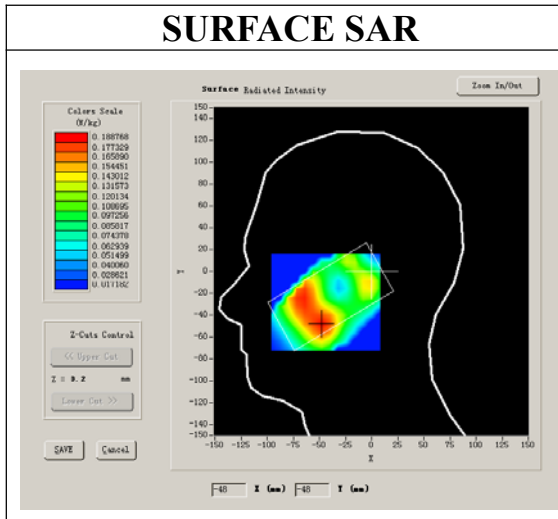
<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	WCDMA1700
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

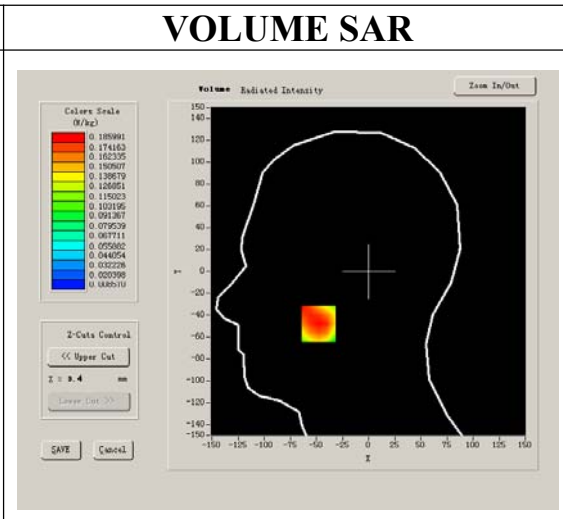
Middle Band SAR (Channel 1412):

<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

#### SURFACE SAR



#### VOLUME SAR



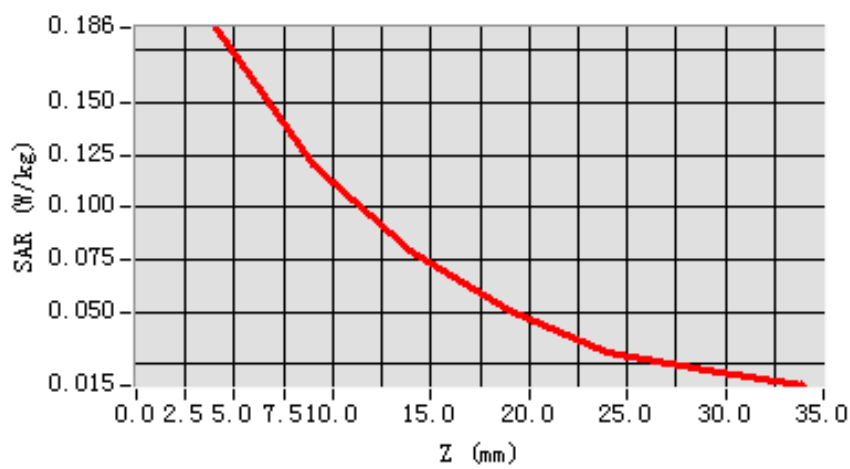
**Maximum location: X=-48.00, Y=-48.00**

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

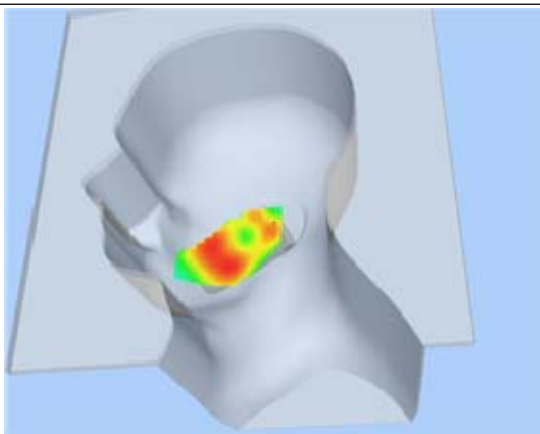
**Z Axis Scan**

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

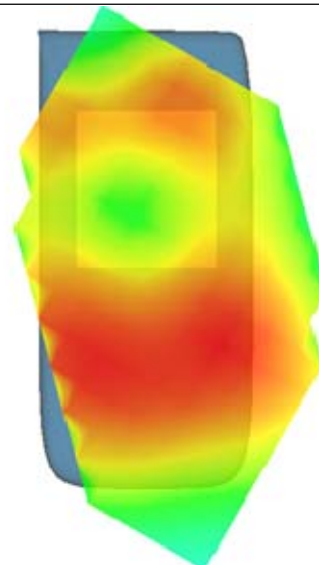
**SAR, Z Axis Scan (X = -48, Y = -48)**



**3D scen shot**



**Hot spot position**



## 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.

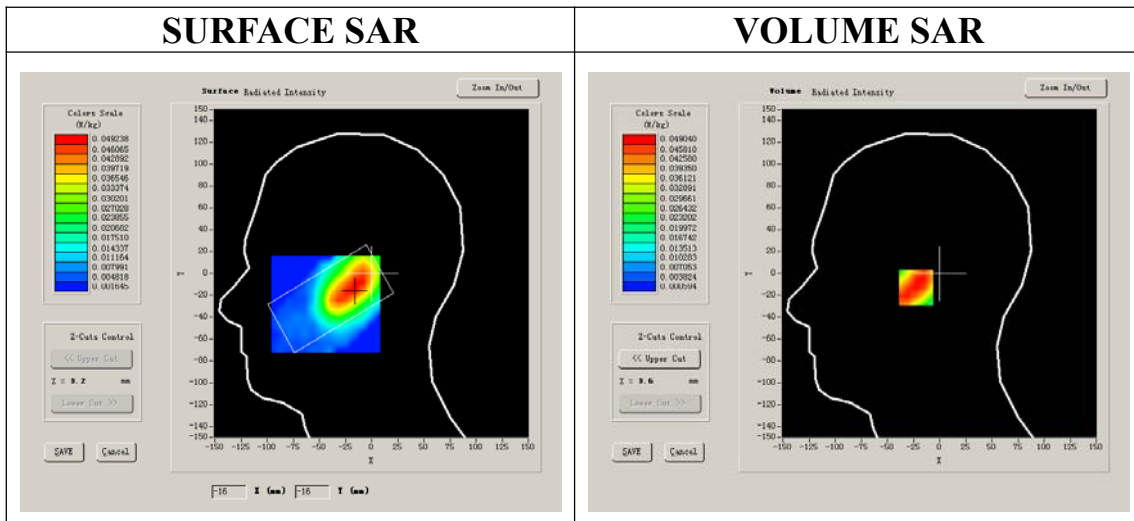
<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Right head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA1700
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

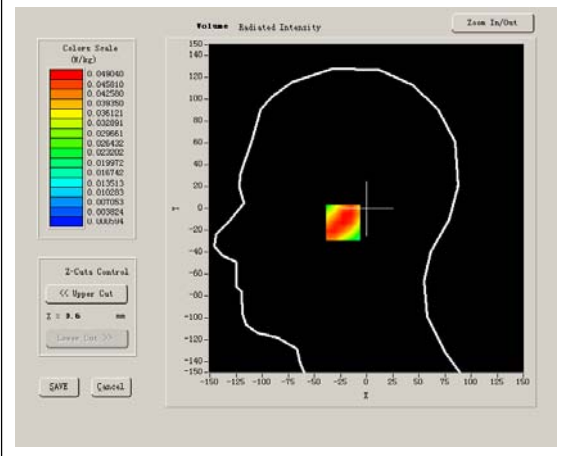
Middle Band SAR (Channel 1412):

<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

#### SURFACE SAR



#### VOLUME SAR





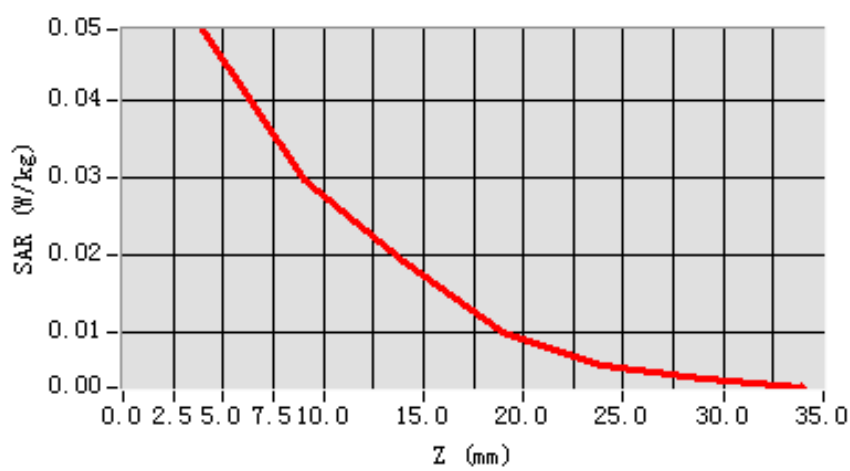
**Maximum location: X=-16.00, Y=-13.00**

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

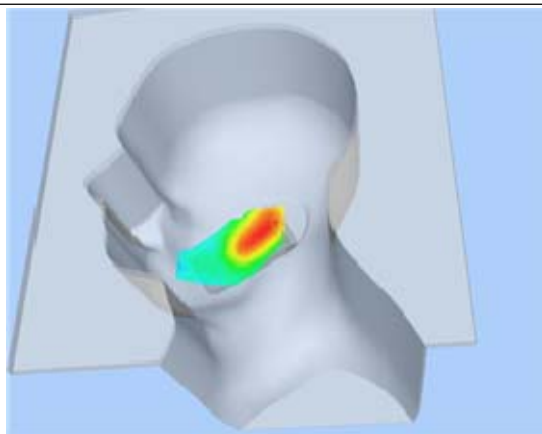
**Z Axis Scan**

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

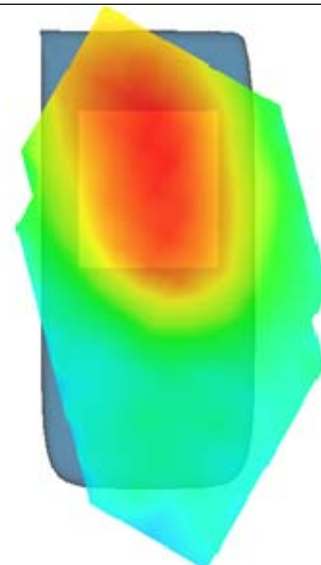
**SAR, Z Axis Scan (X = -16, Y = -13)**



**3D scen shot**



**Hot spot position**



## 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.

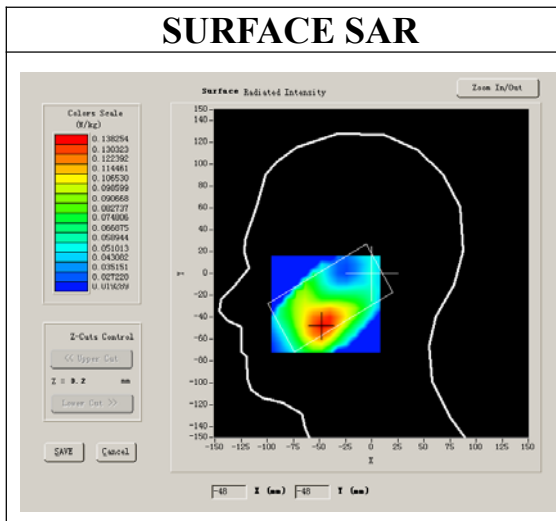
<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	WCDMA1700
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

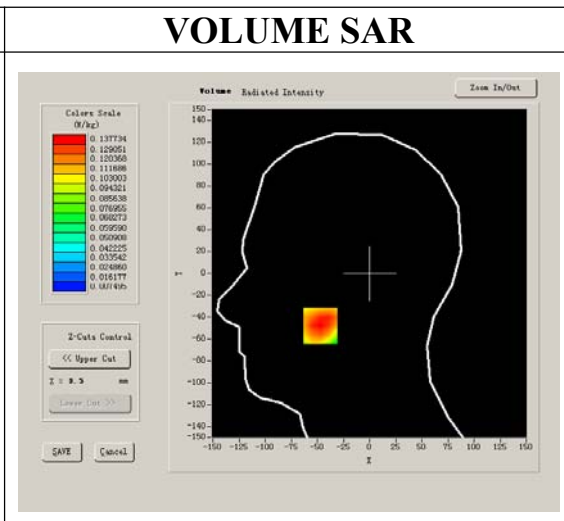
Middle Band SAR (Channel 1412):

<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

#### SURFACE SAR



#### VOLUME SAR



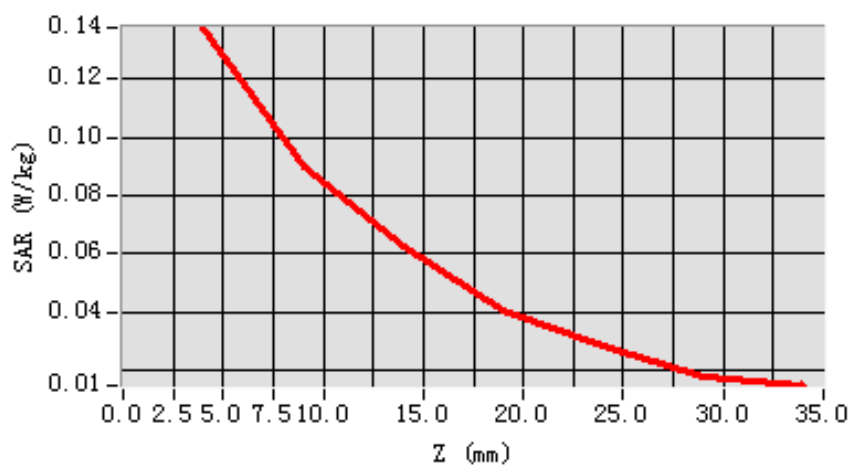
**Maximum location: X=-47.00, Y=-48.00**

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

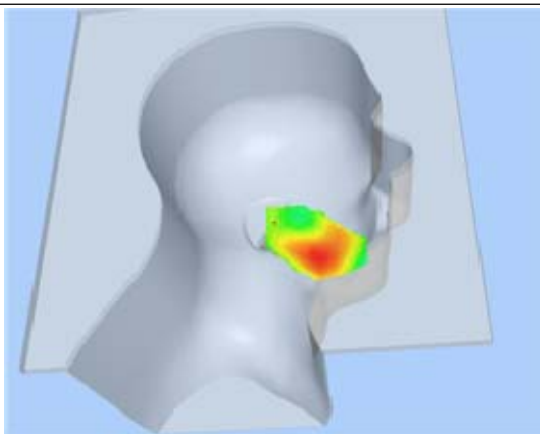
**Z Axis Scan**

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

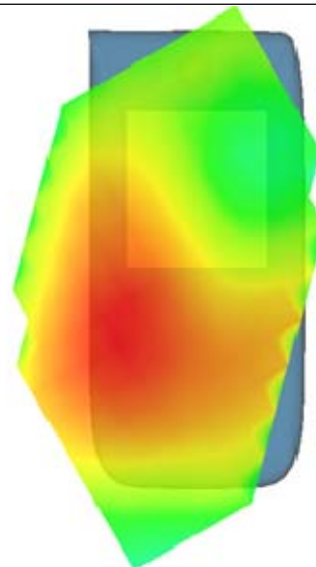
**SAR, Z Axis Scan (X = -47, Y = -48)**



**3D scen shot**



**Hot spot position**



## 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.

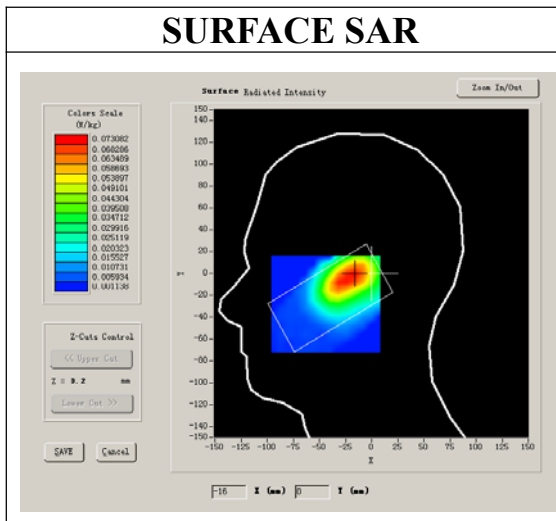
<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA1700
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

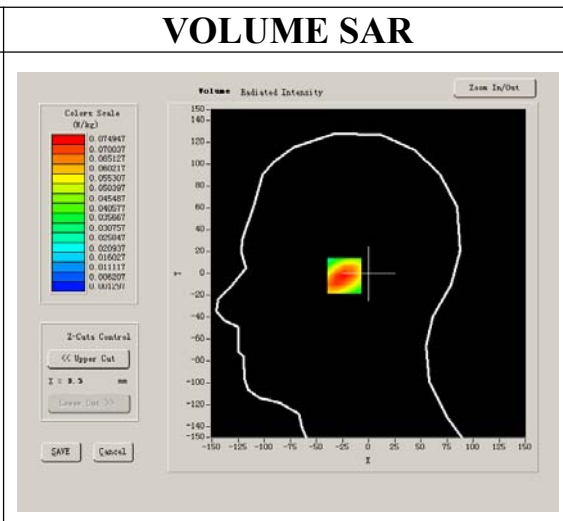
Middle Band SAR (Channel 1412):

<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

#### SURFACE SAR



#### VOLUME SAR



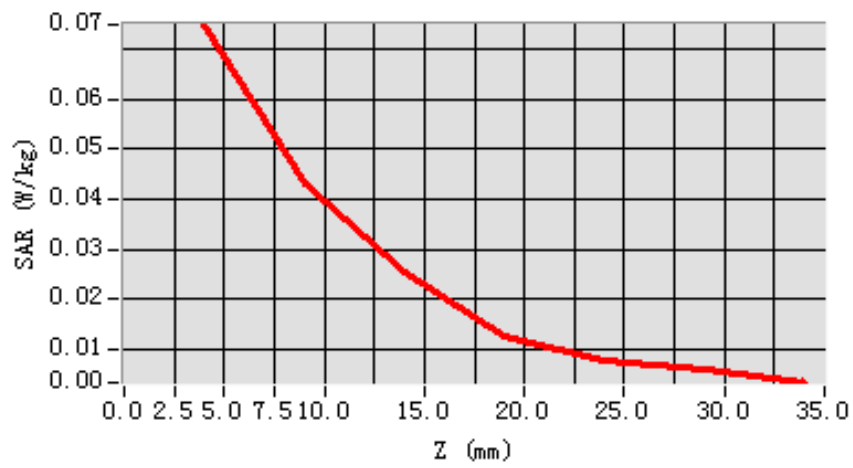
**Maximum location: X=-19.00, Y=-2.00**

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

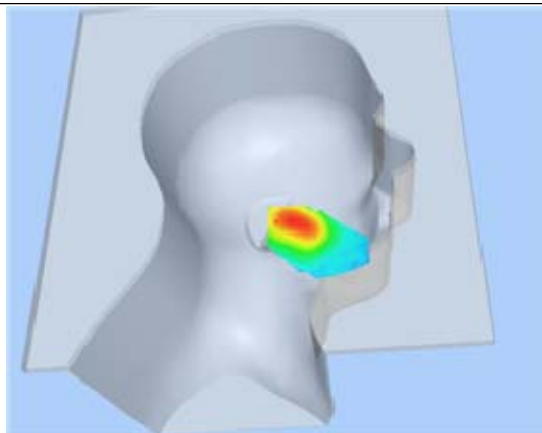
**Z Axis Scan**

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

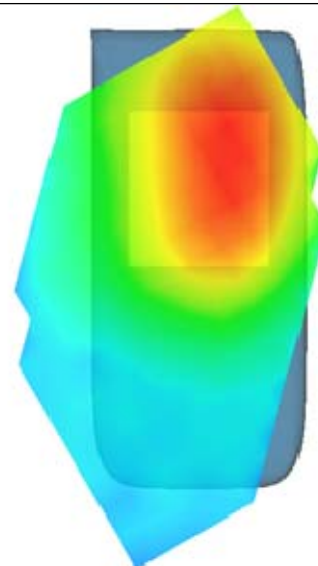
**SAR, Z Axis Scan (X = -19, Y = -2)**



**3D seen shot**



**Hot spot position**



## 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.

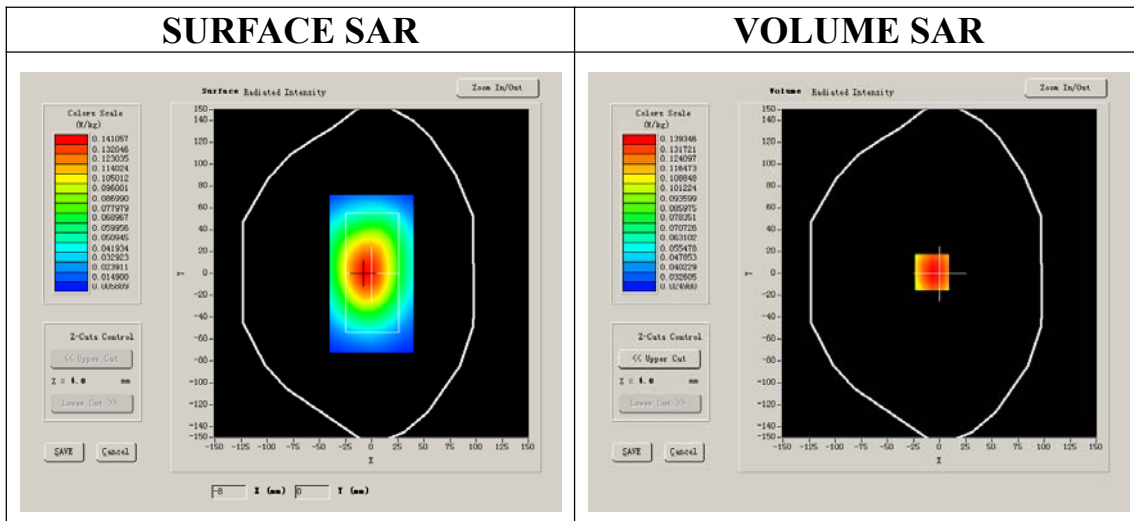
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1700
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

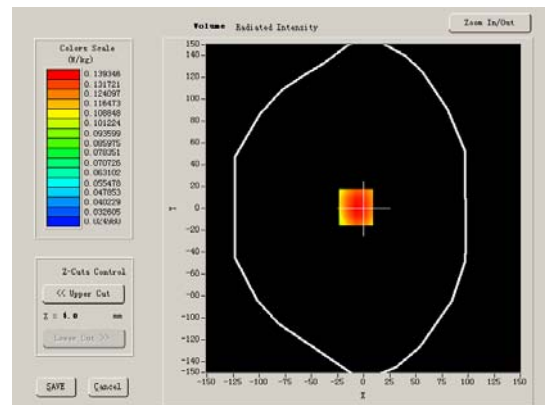
Middle Band SAR (Channel 1412):

<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

#### SURFACE SAR



#### VOLUME SAR



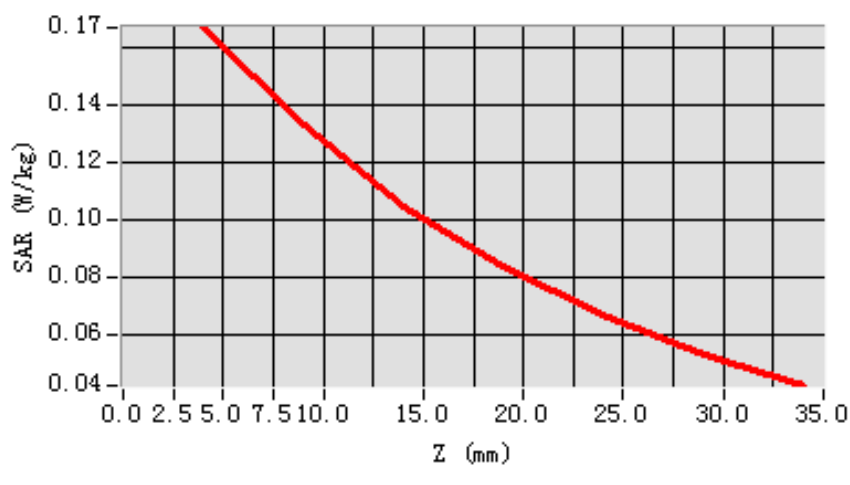
**Maximum location: X=-7.00, Y=1.00**

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

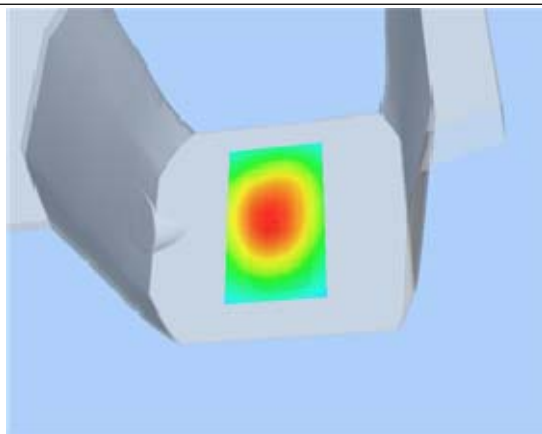
**Z Axis Scan**

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

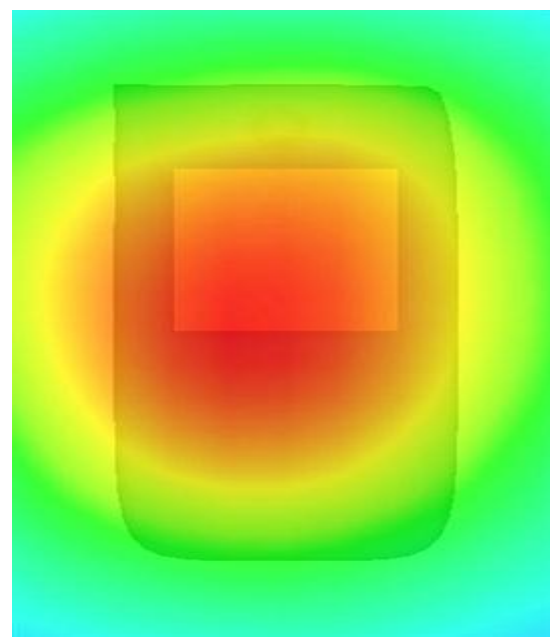
**SAR, Z Axis Scan (X = -7, Y = 1)**



**3D scen shot**



**Hot spot position**



## 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.

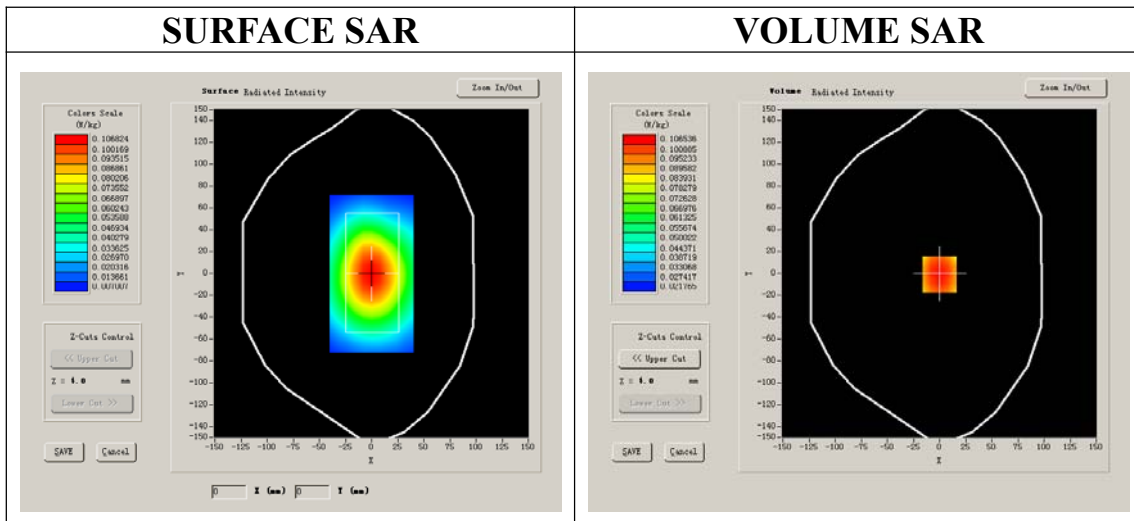
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1700
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

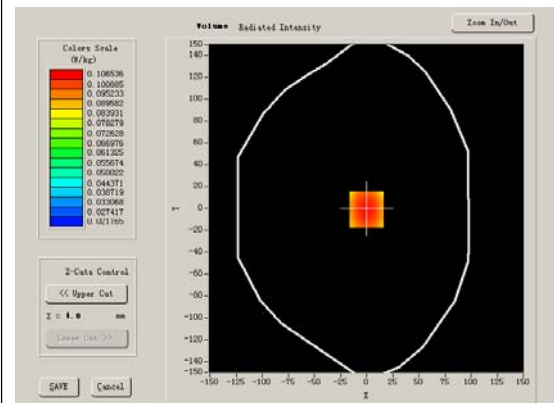
Middle Band SAR (Channel 1412):

<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

#### SURFACE SAR



#### VOLUME SAR





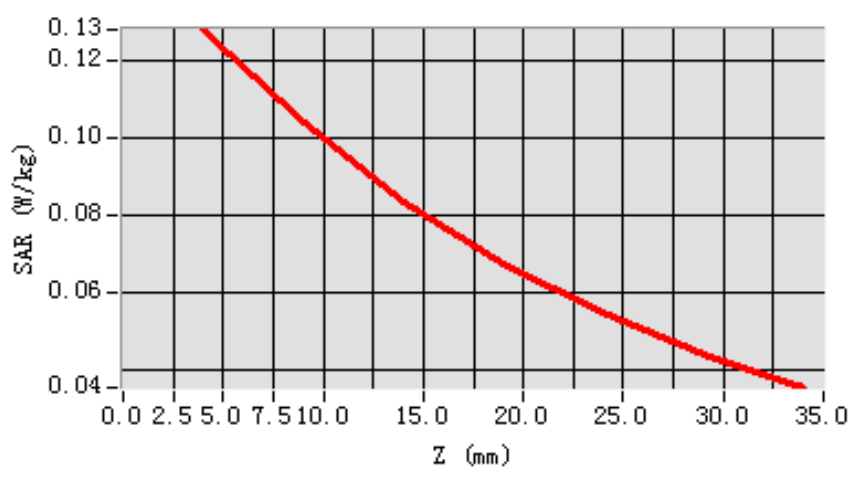
**Maximum location: X=0.00, Y=-1.00**

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

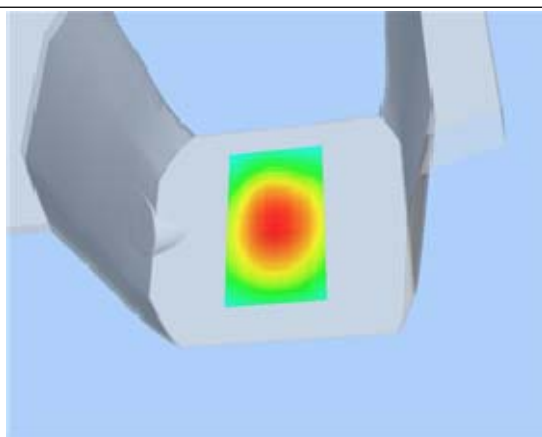
**Z Axis Scan**

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

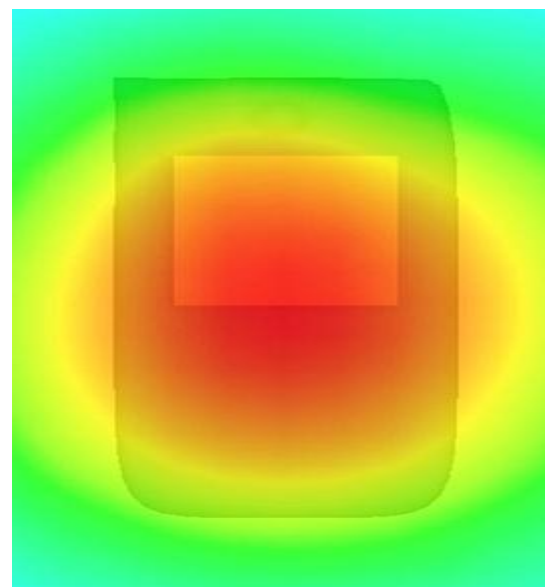
**SAR, Z Axis Scan (X = 0, Y = -1)**



**3D scen shot**



**Hot spot position**



## 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.

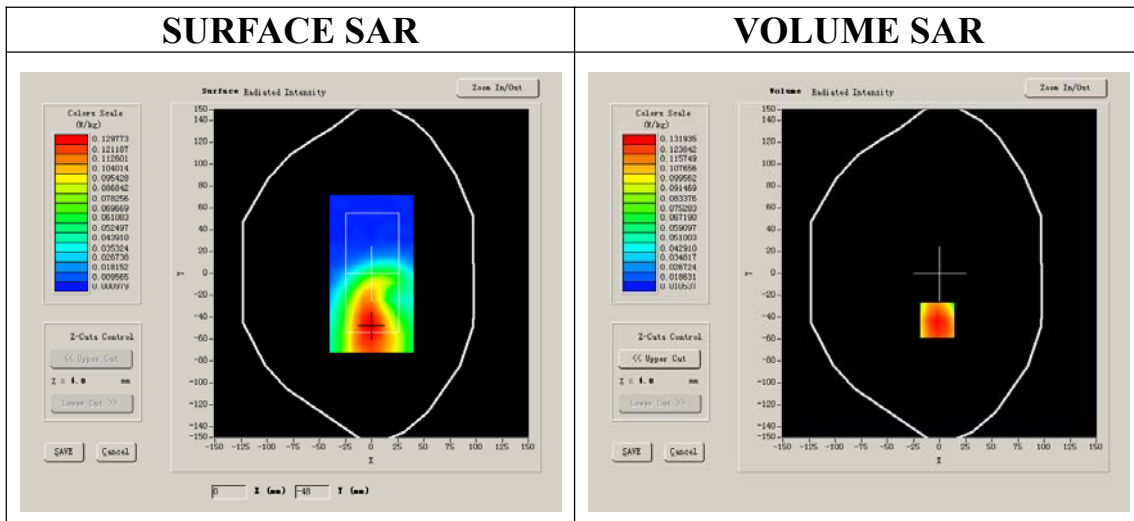
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA17000
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

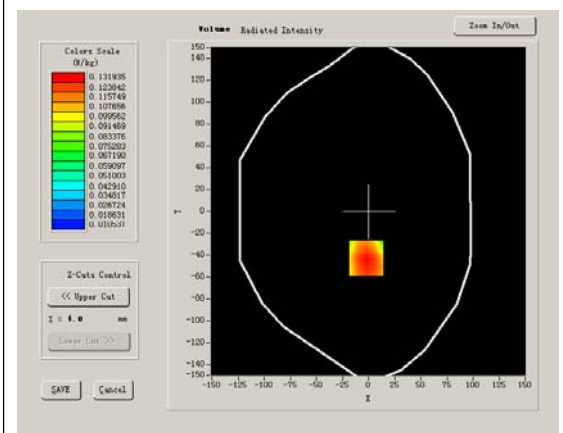
Middle Band SAR (Channel 1412):

<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

#### SURFACE SAR



#### VOLUME SAR



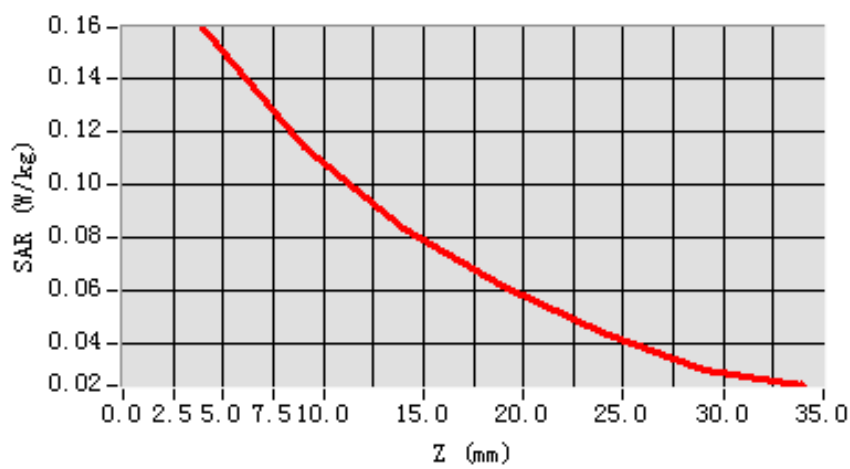
**Maximum location: X=-2.00, Y=-43.00**

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

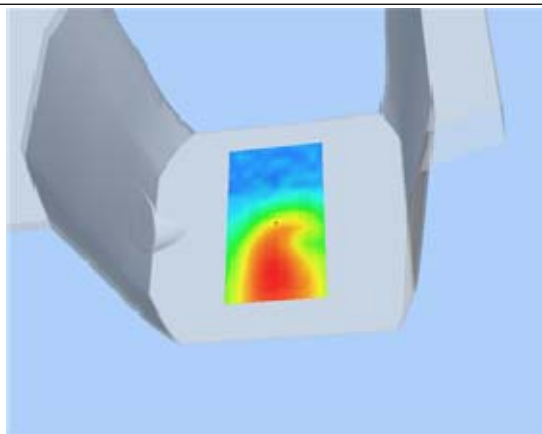
**Z Axis Scan**

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

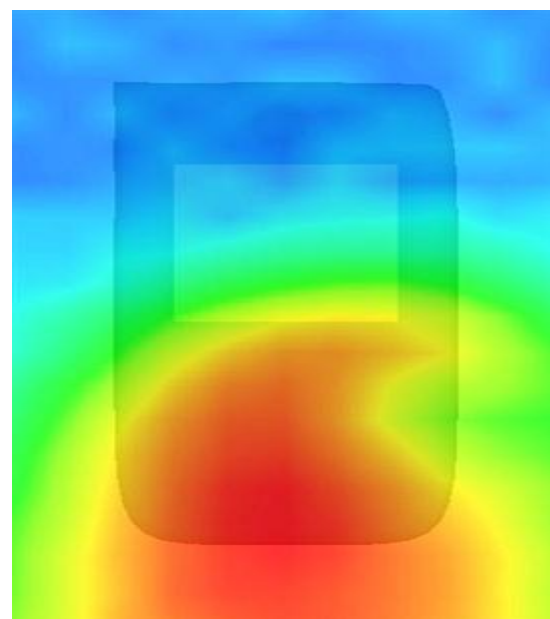
**SAR, Z Axis Scan (X = -2, Y = -43)**



**3D scen shot**



**Hot spot position**



# 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

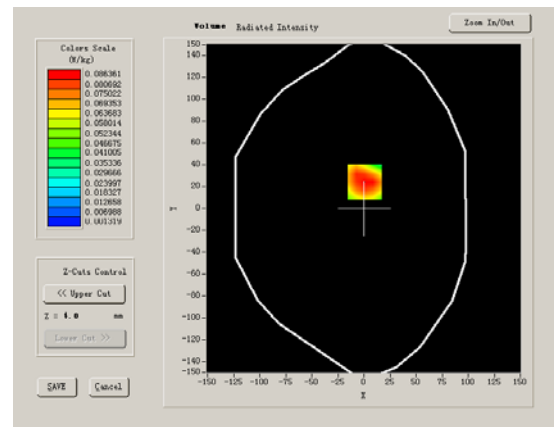
Middle Band SAR (Channel 1412):

<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

### SURFACE SAR



### VOLUME SAR



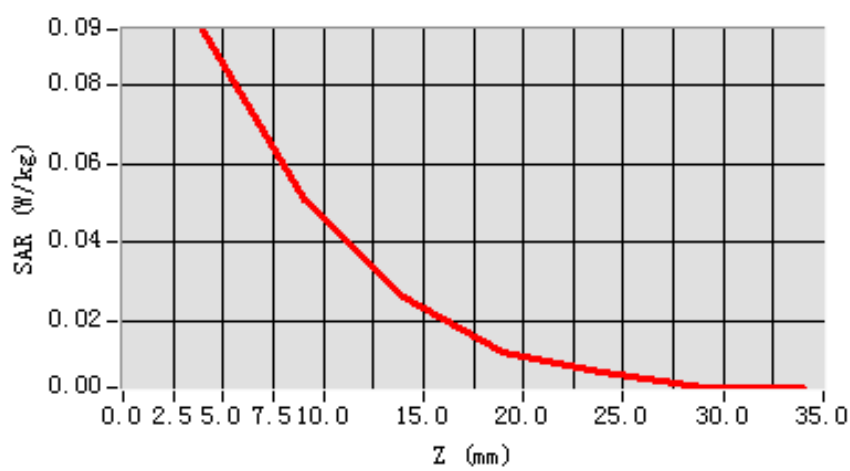
**Maximum location: X=1.00, Y=24.00**

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

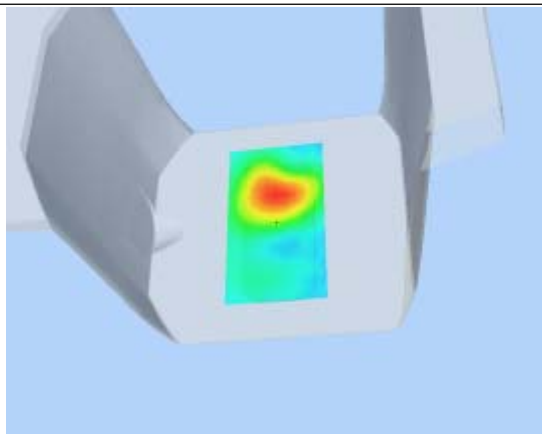
**Z Axis Scan**

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

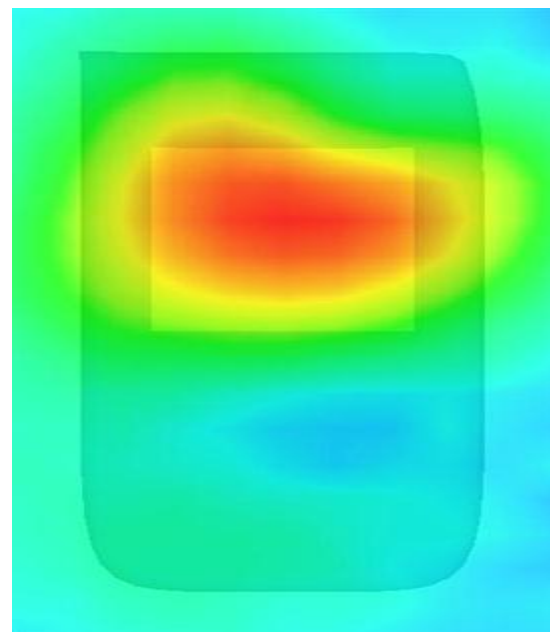
**SAR, Z Axis Scan (X = 1, Y = 24)**



**3D scen shot**



**Hot spot position**



## 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.

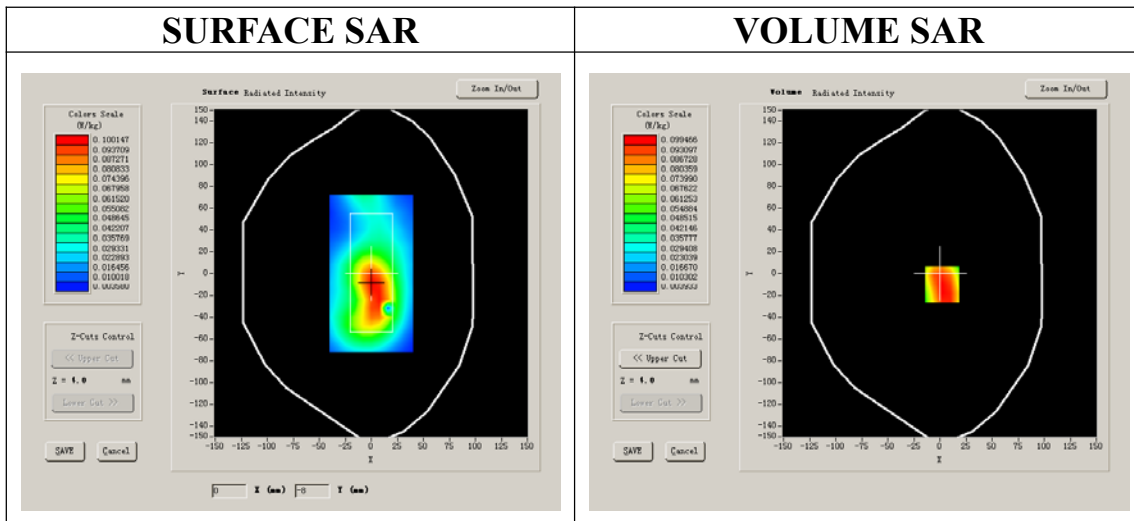
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1700
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

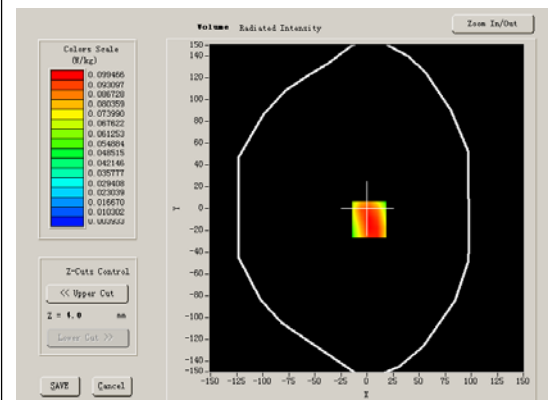
Middle Band SAR (Channel 1412):

<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

#### SURFACE SAR



#### VOLUME SAR



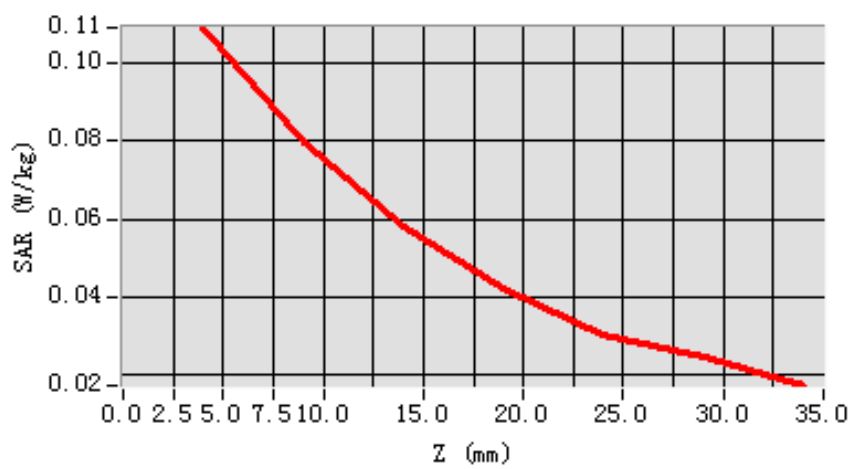
**Maximum location: X=2.00, Y=-10.00**

<b>SAR 10g (W/Kg)</b>	0.072889
<b>SAR 1g (W/Kg)</b>	0.105965

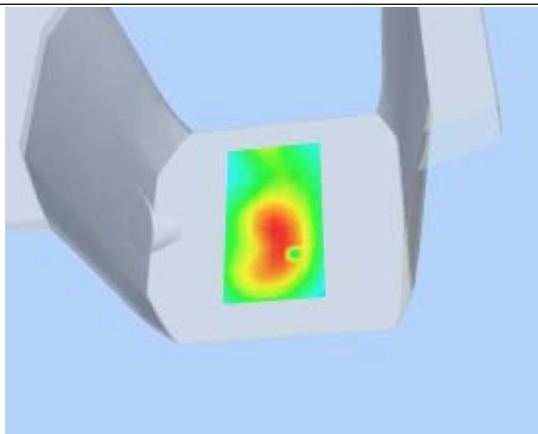
**Z Axis Scan**

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

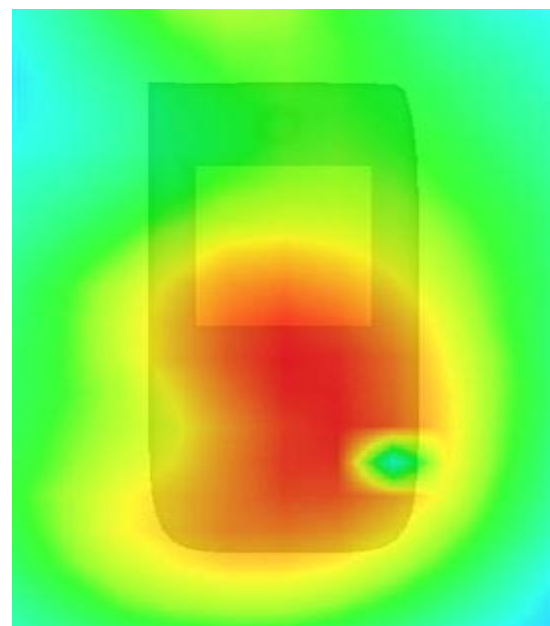
**SAR, Z Axis Scan (X = 2, Y = -10)**



**3D scen shot**



**Hot spot position**



## 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.

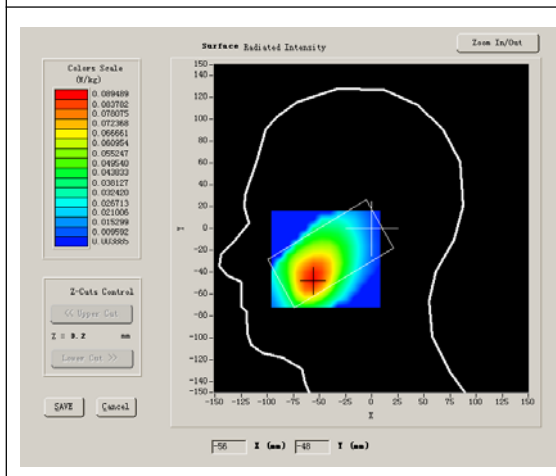
<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	WCDMA1900
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

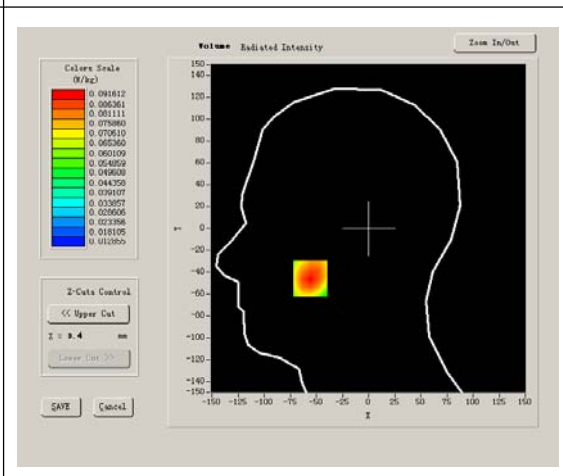
Middle Band SAR (Channel 9400):

<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

#### SURFACE SAR



#### VOLUME SAR





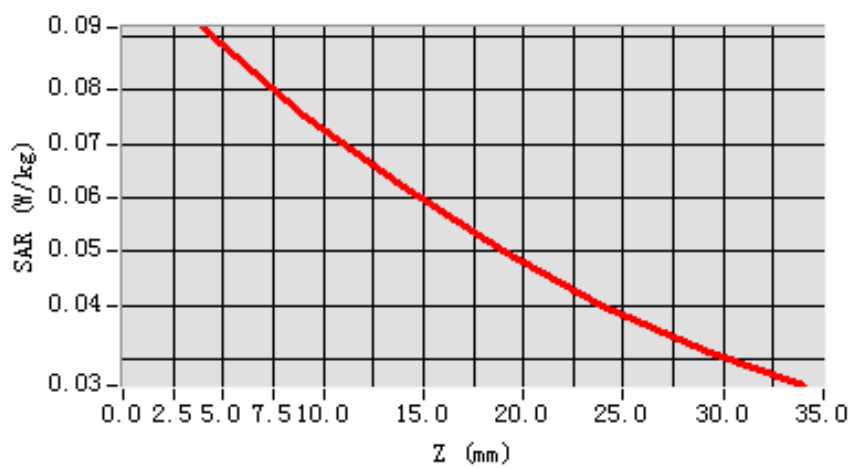
**Maximum location: X=-56.00, Y=-46.00**

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

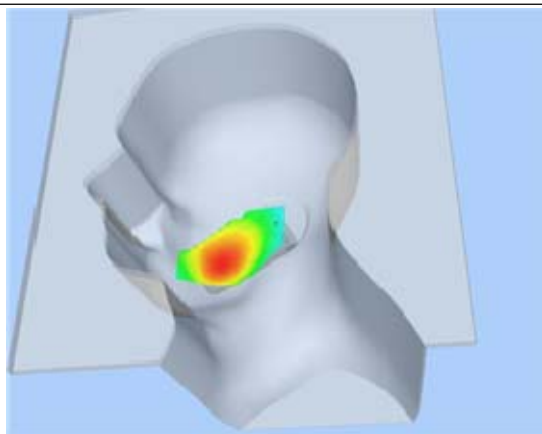
**Z Axis Scan**

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

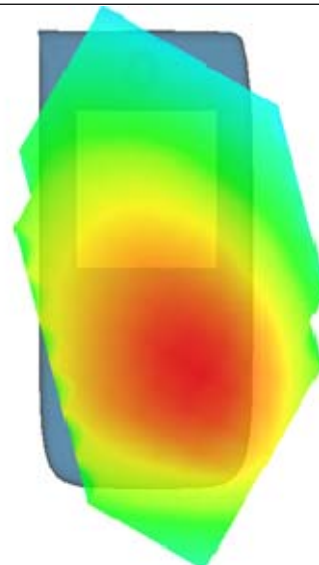
**SAR, Z Axis Scan (X = -56, Y = -46)**



**3D scen shot**



**Hot spot position**



## 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.

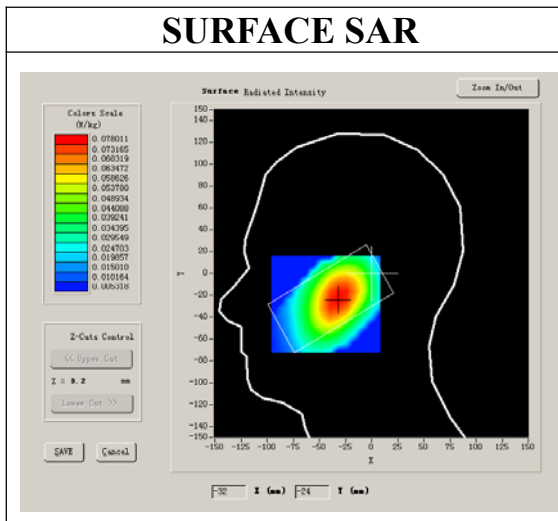
<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Right head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA1900
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

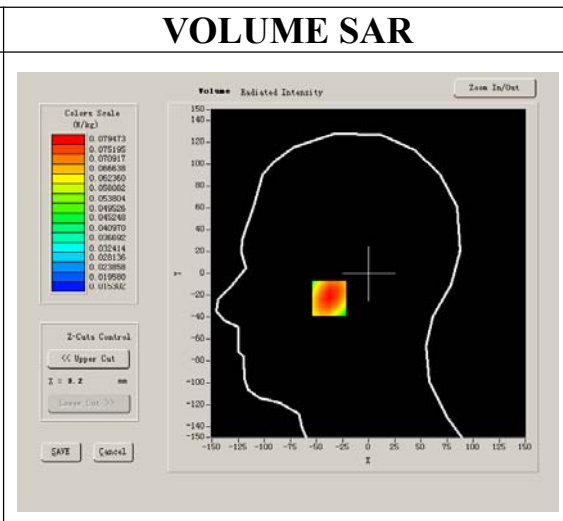
Middle Band SAR (Channel 9400):

<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

#### SURFACE SAR



#### VOLUME SAR



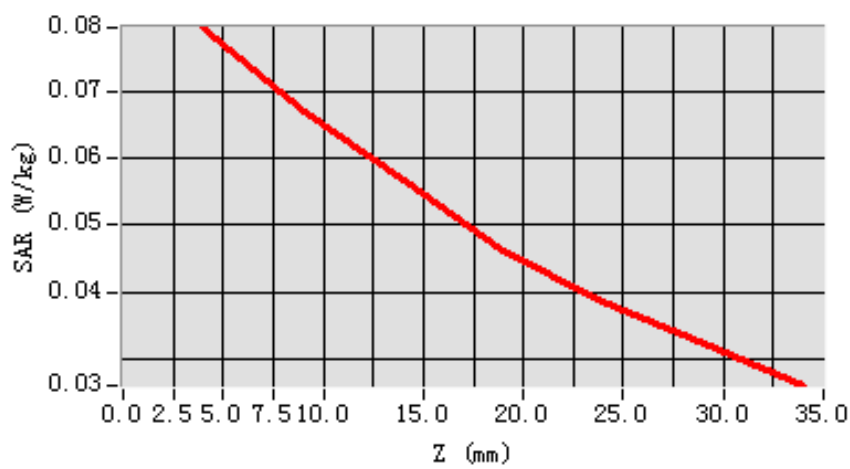
**Maximum location: X=-32.00, Y=-23.00**

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

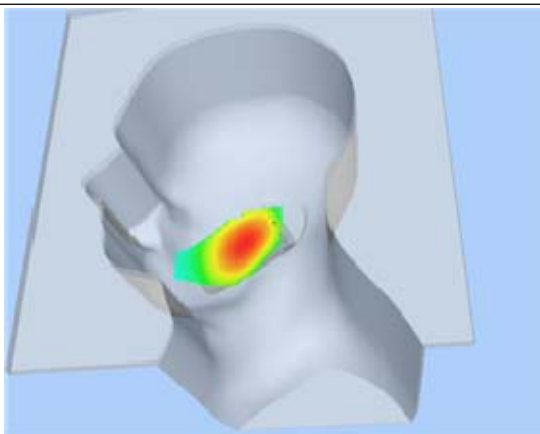
**Z Axis Scan**

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

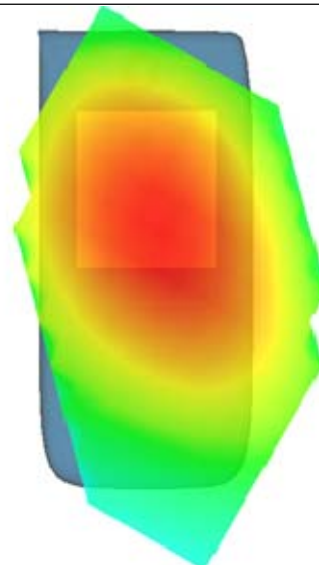
**SAR, Z Axis Scan (X = -32, Y = -23)**



**3D scen shot**



**Hot spot position**



## 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

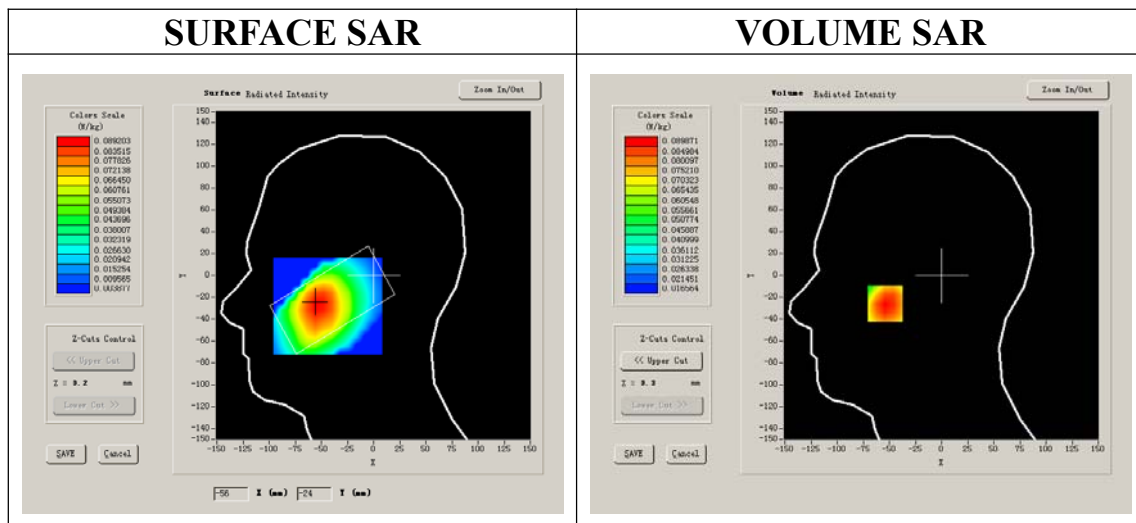
### A. Experimental conditions.

<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



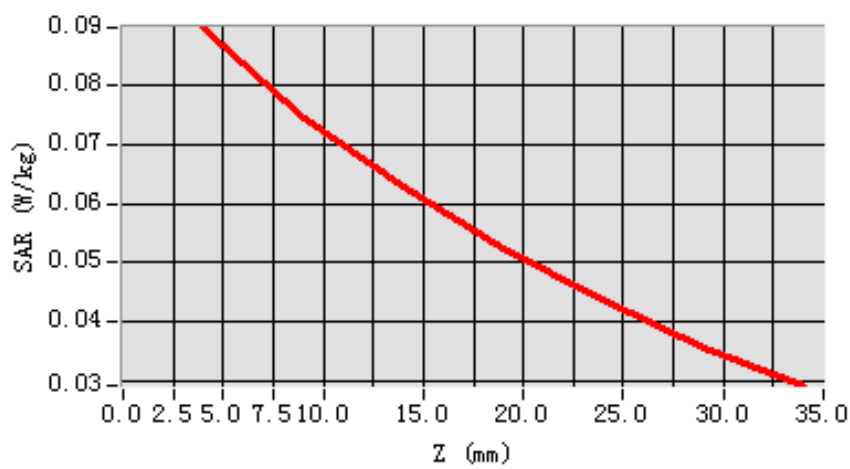
**Maximum location: X=-54.00, Y=-26.00**

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

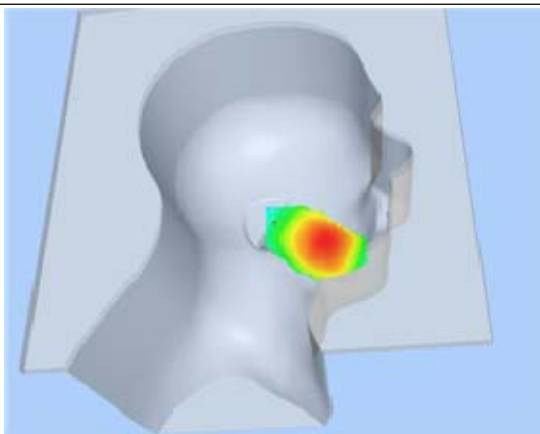
**Z Axis Scan**

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

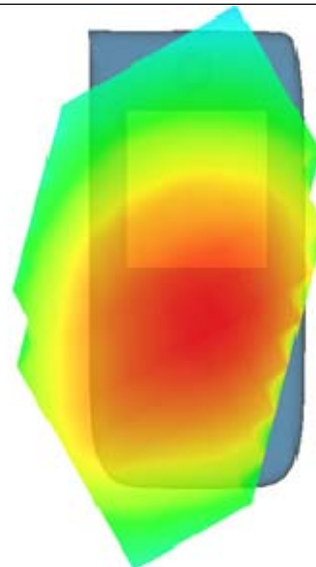
**SAR, Z Axis Scan (X = -54, Y = -26)**



**3D scen shot**



**Hot spot position**



## 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.

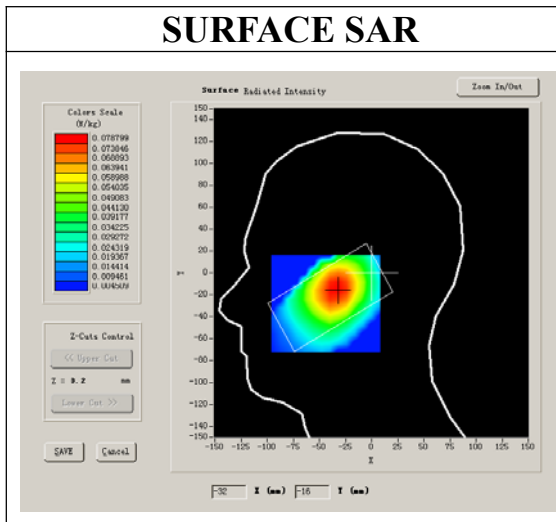
<b>Phantom File</b>	sam_direct_droit2_surf8mm.txt
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA1900
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

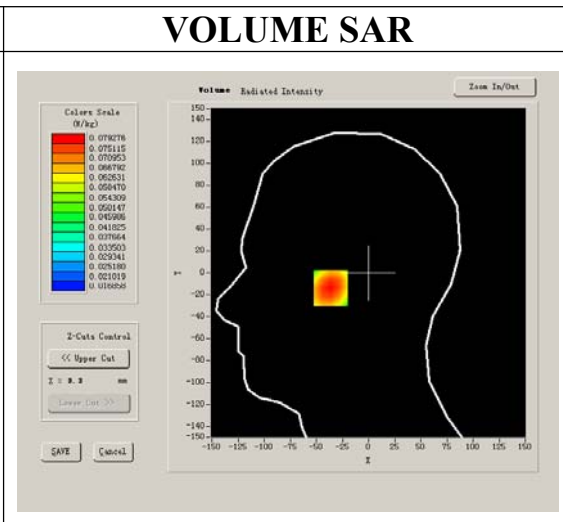
Middle Band SAR (Channel 9400):

<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

#### SURFACE SAR



#### VOLUME SAR



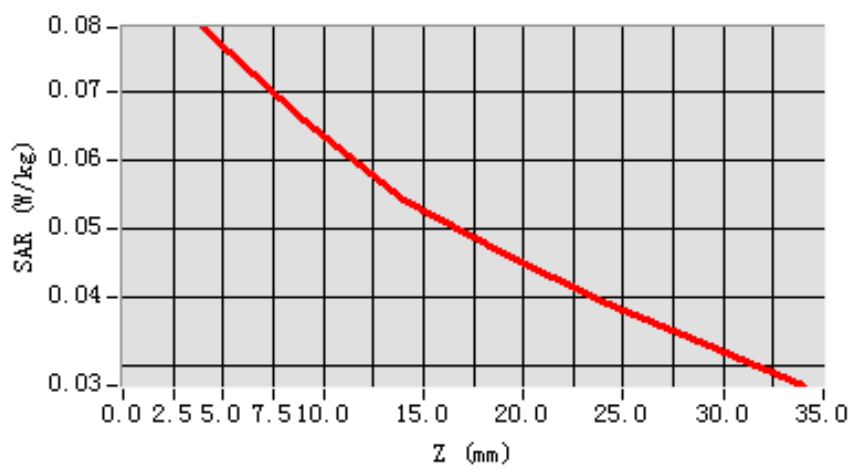
**Maximum location: X=-33.00, Y=-14.00**

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

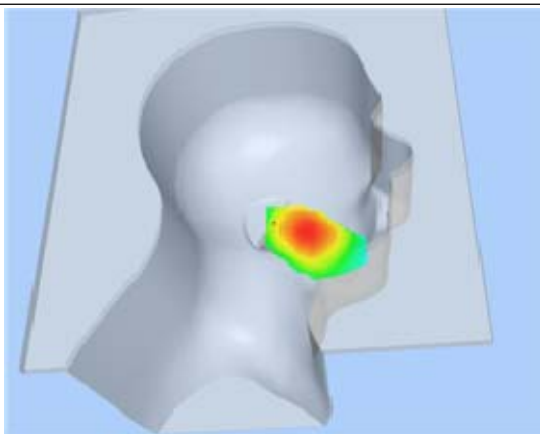
**Z Axis Scan**

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

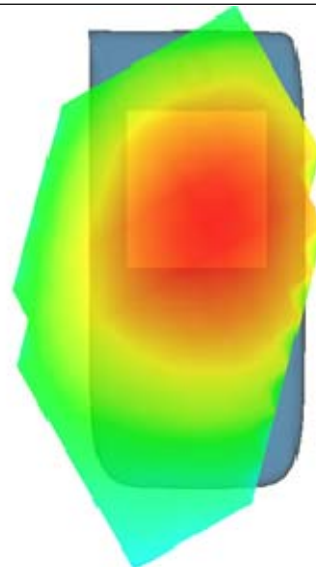
**SAR, Z Axis Scan (X = -33, Y = -14)**



**3D scen shot**



**Hot spot position**



# 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.

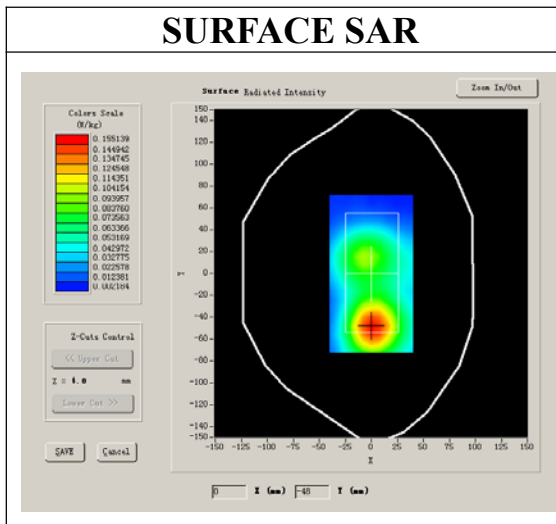
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1900
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

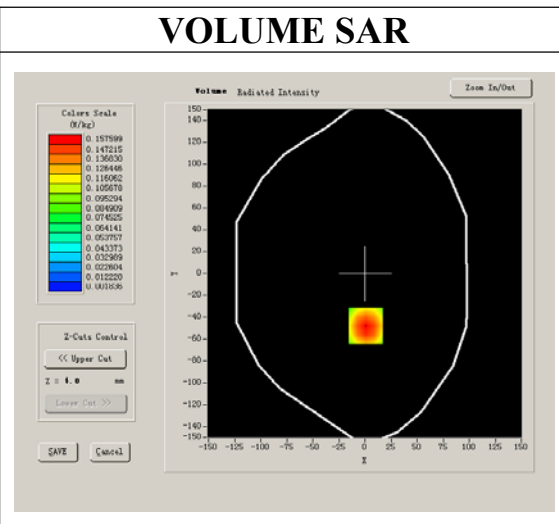
Middle Band SAR (Channel 9400):

<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

### SURFACE SAR



### VOLUME SAR





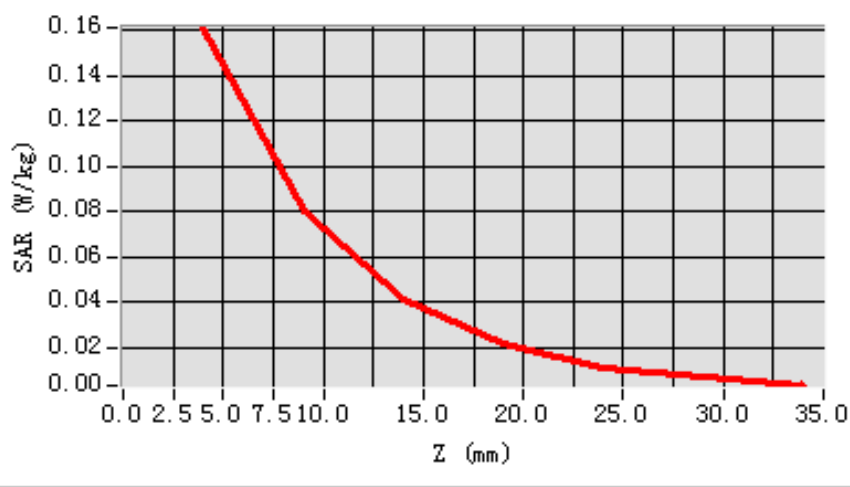
**Maximum location: X=1.00, Y=-48.00**

<b>SAR 10g (W/Kg)</b>	0.084342
<b>SAR 1g (W/Kg)</b>	0.135475

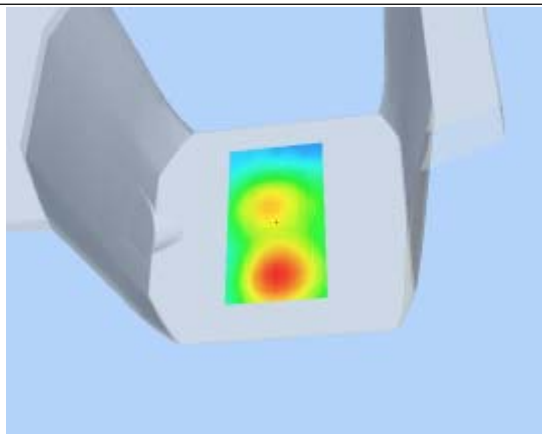
**Z Axis Scan**

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

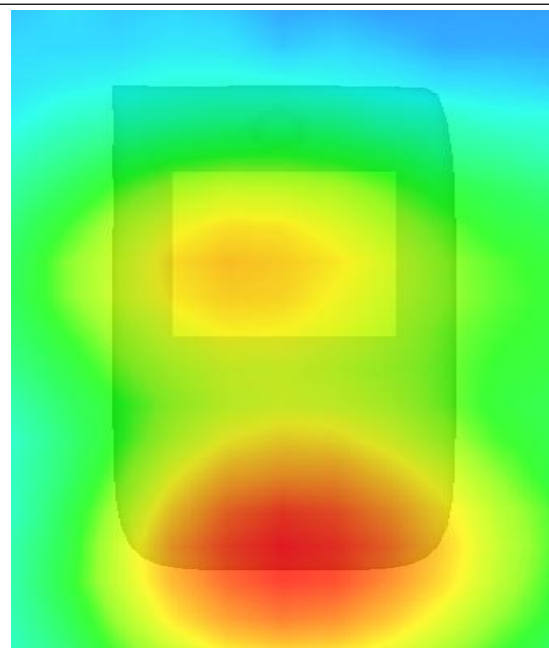
**SAR, Z Axis Scan (X = 1, Y = -48)**



**3D scen shot**



**Hot spot position**



## 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.

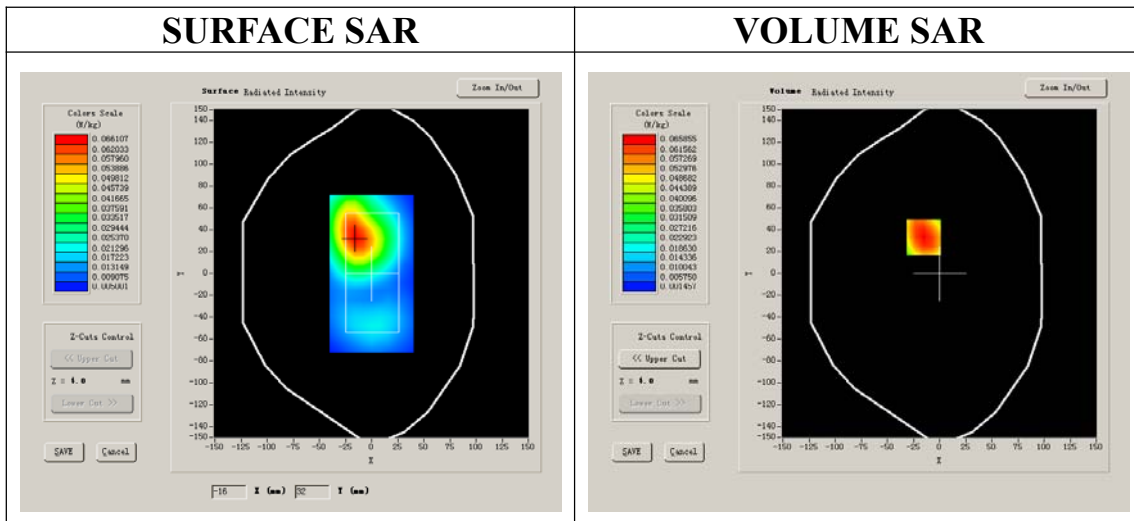
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1900
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

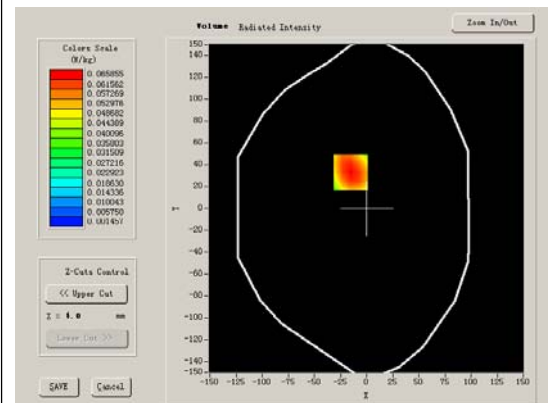
Middle Band SAR (Channel 9400):

<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

#### SURFACE SAR



#### VOLUME SAR



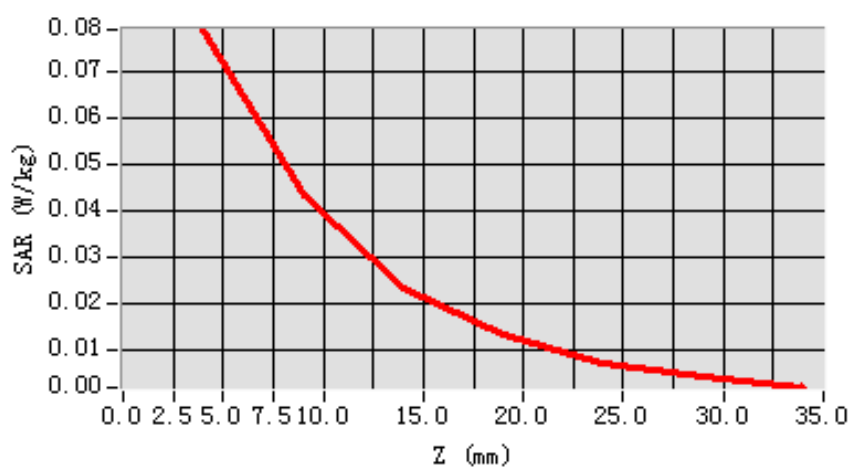
**Maximum location: X=-15.00, Y=33.00**

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

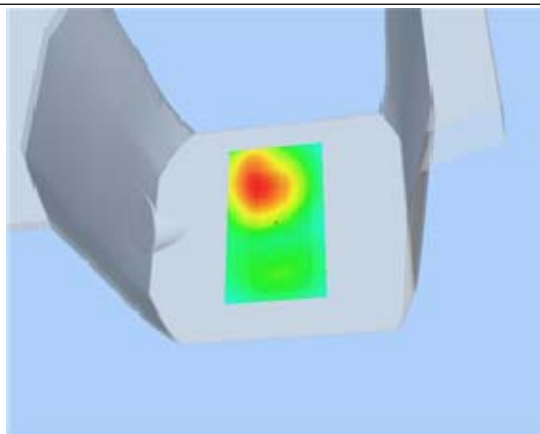
**Z Axis Scan**

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

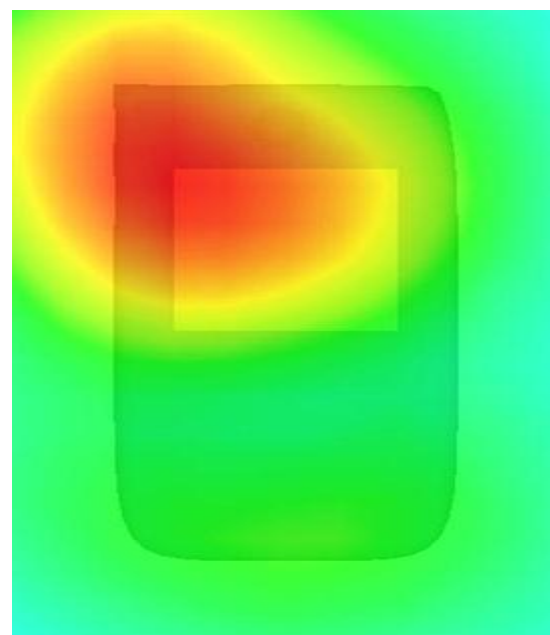
**SAR, Z Axis Scan (X = -15, Y = 33)**



**3D scen shot**



**Hot spot position**



## 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.

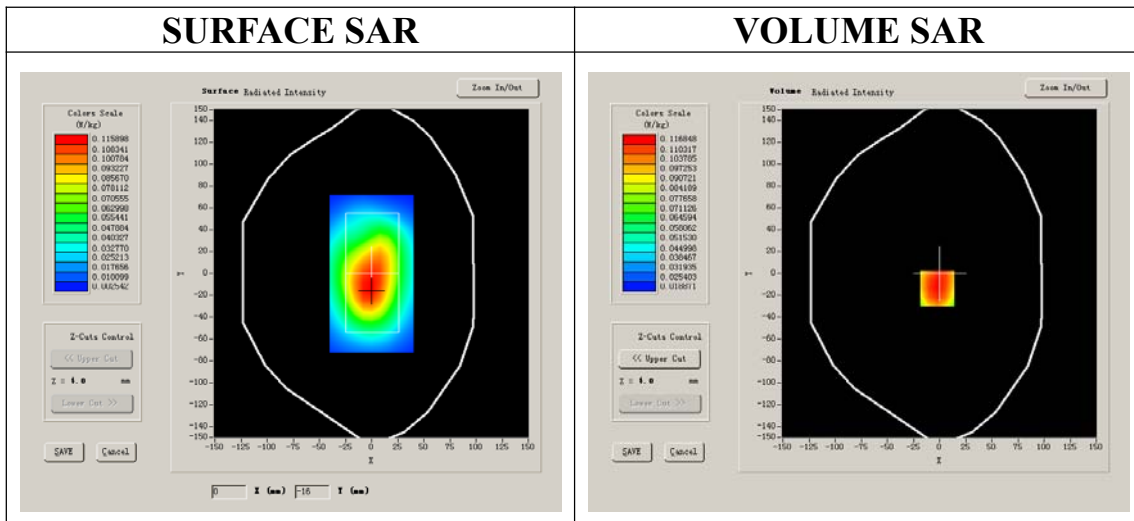
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1900
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

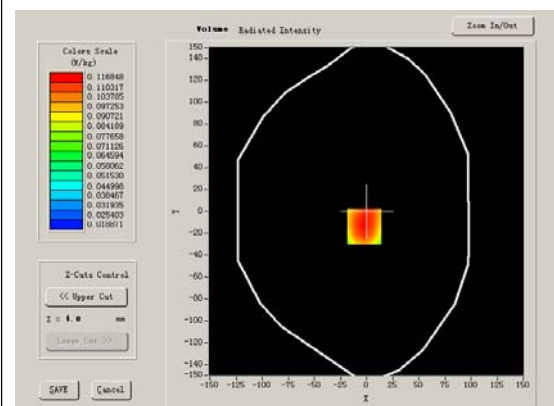
Middle Band SAR (Channel 9400):

<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

#### SURFACE SAR



#### VOLUME SAR



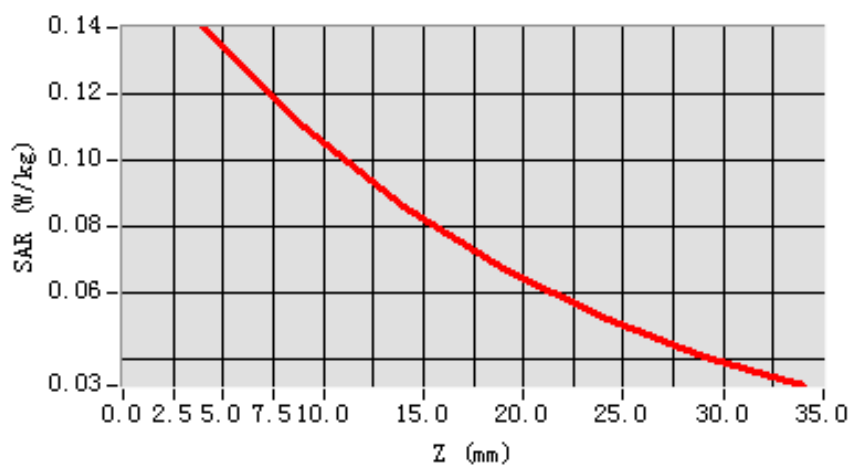
**Maximum location: X=-2.00, Y=-14.00**

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

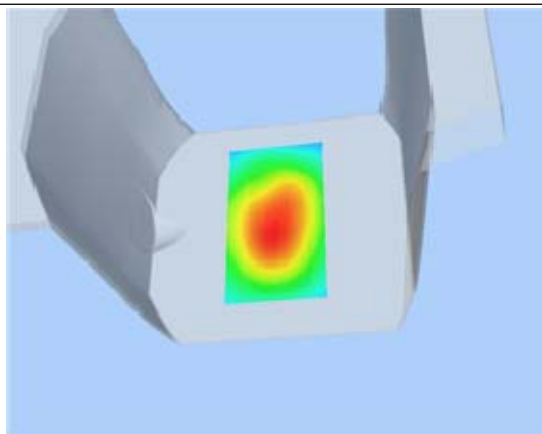
**Z Axis Scan**

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

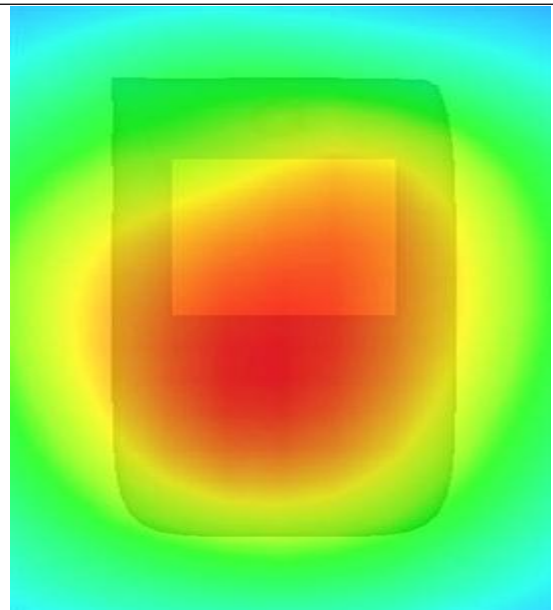
**SAR, Z Axis Scan (X = -2, Y = -14)**



**3D scen shot**



**Hot spot position**



## 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.

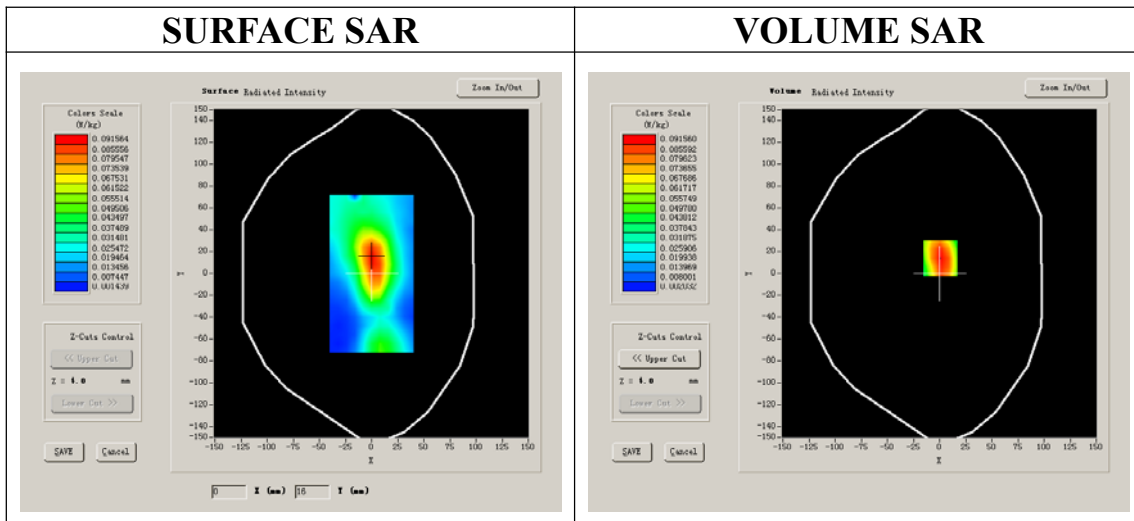
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1900
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

### B. SAR Measurement Results

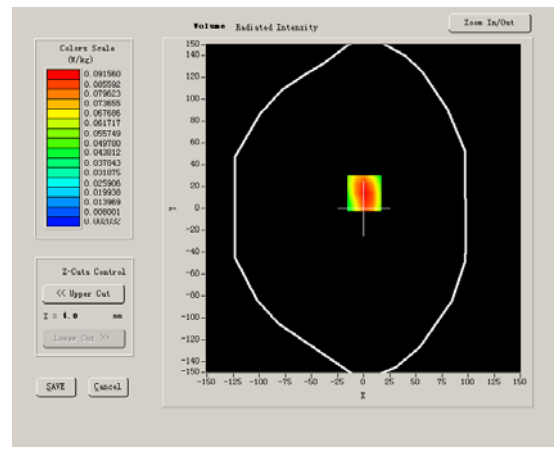
Middle Band SAR (Channel 9400):

<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

#### SURFACE SAR



#### VOLUME SAR



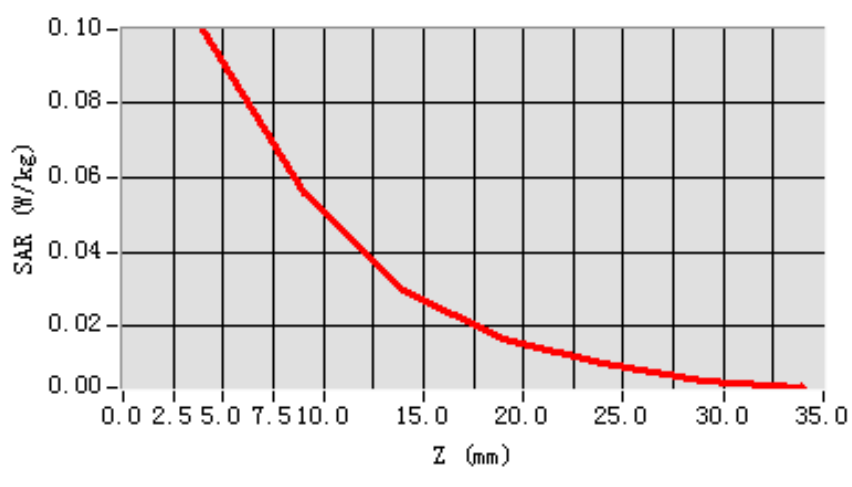
**Maximum location: X=1.00, Y=14.00**

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

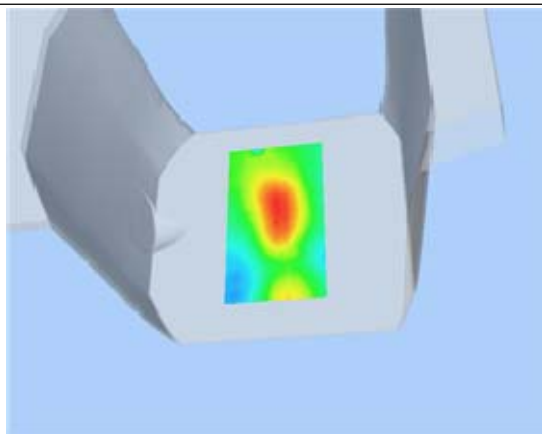
**Z Axis Scan**

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

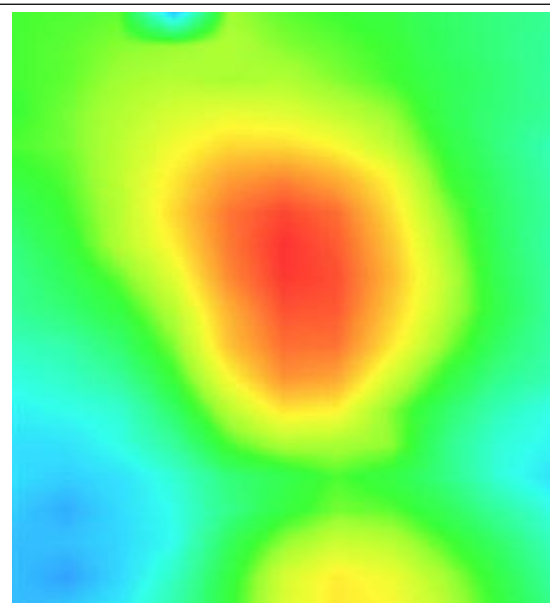
**SAR, Z Axis Scan (X = 1, Y = 14)**



**3D scen shot**



**Hot spot position**



# 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.

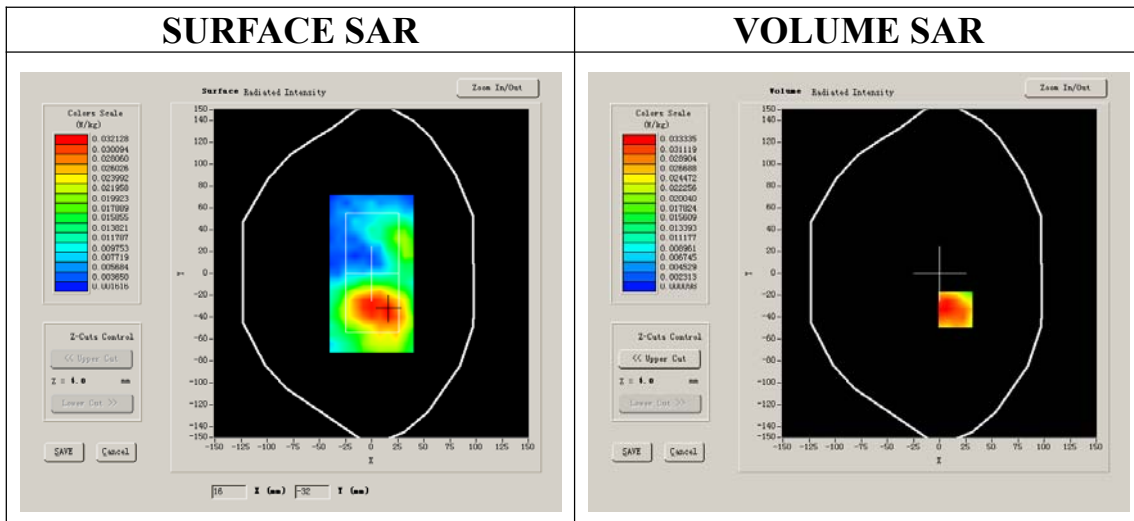
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1900
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

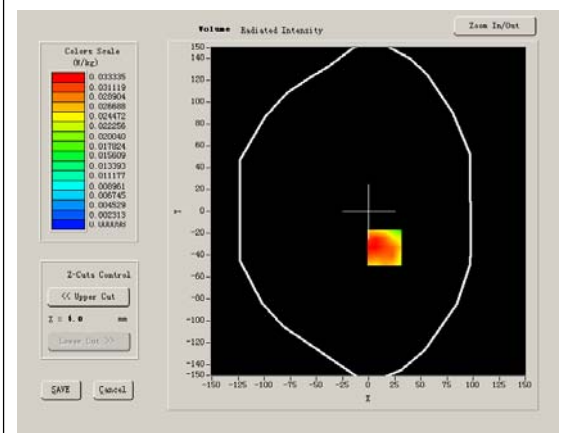
Middle Band SAR (Channel 9400):

<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

### SURFACE SAR



### VOLUME SAR





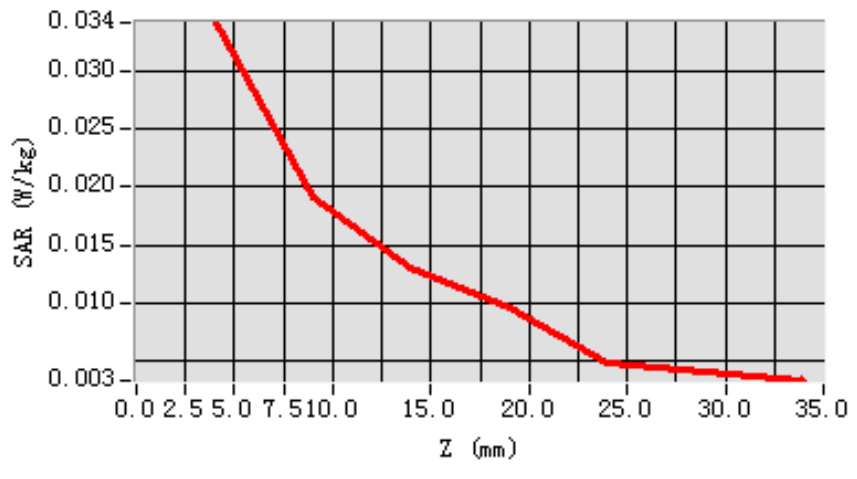
**Maximum location: X=15.00, Y=-33.00**

<b>SAR 10g (W/Kg)</b>	0.028087
<b>SAR 1g (W/Kg)</b>	0.039232

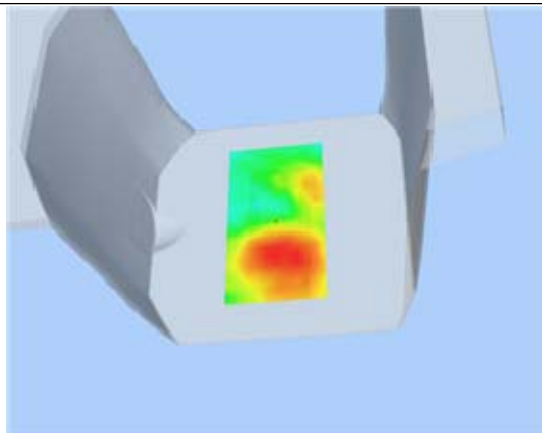
**Z Axis Scan**

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

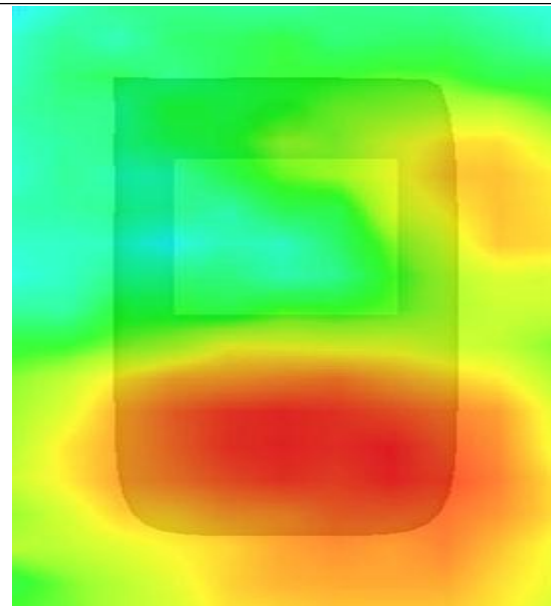
**SAR, Z Axis Scan (X = 15, Y = -33)**



**3D seen shot**



**Hot spot position**



## 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

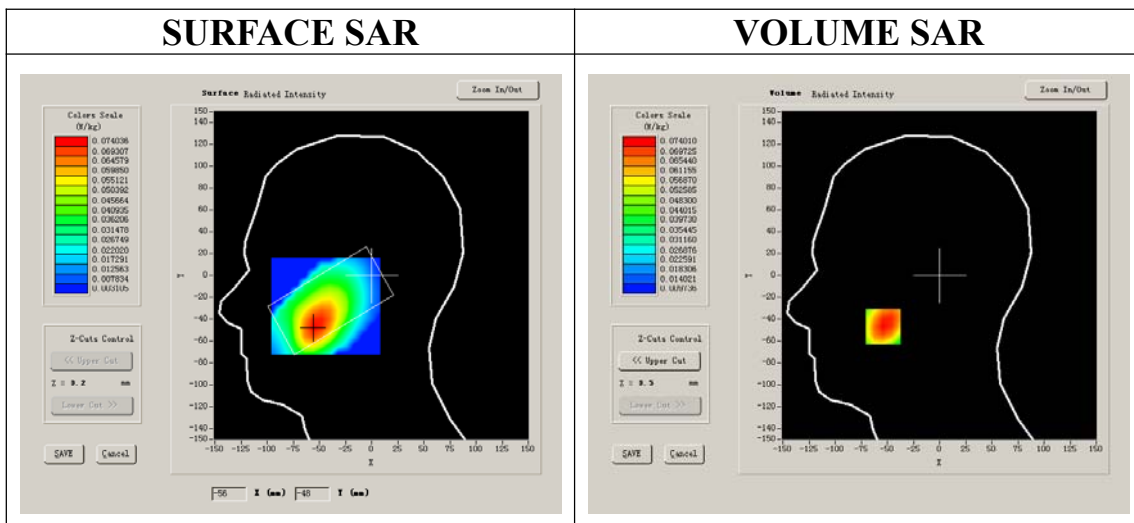
### A. Experimental conditions.

<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



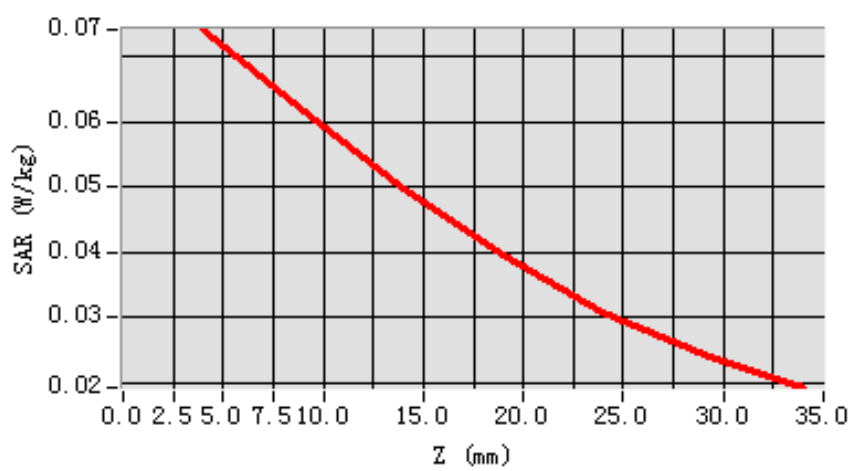
**Maximum location: X=-54.00, Y=-47.00**

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

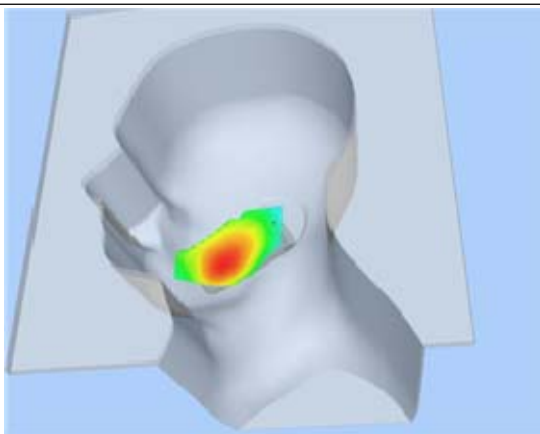
**Z Axis Scan**

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

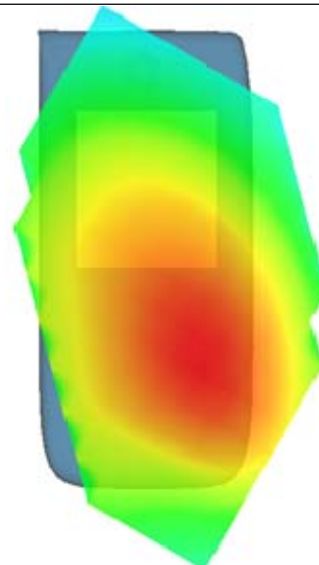
**SAR, Z Axis Scan (X = -54, Y = -47)**



**3D scen shot**



**Hot spot position**



# 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

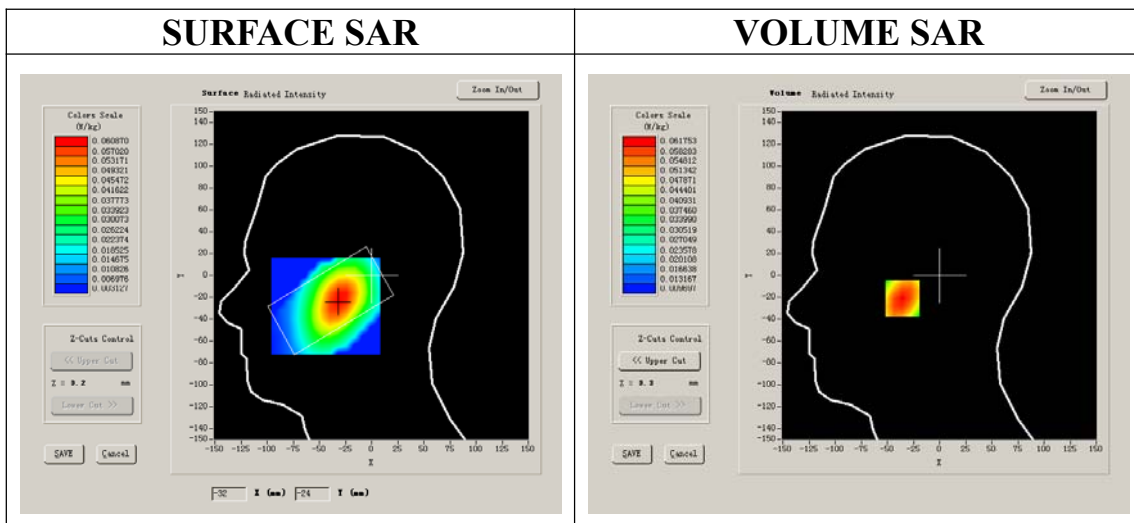
## A. Experimental conditions.

<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



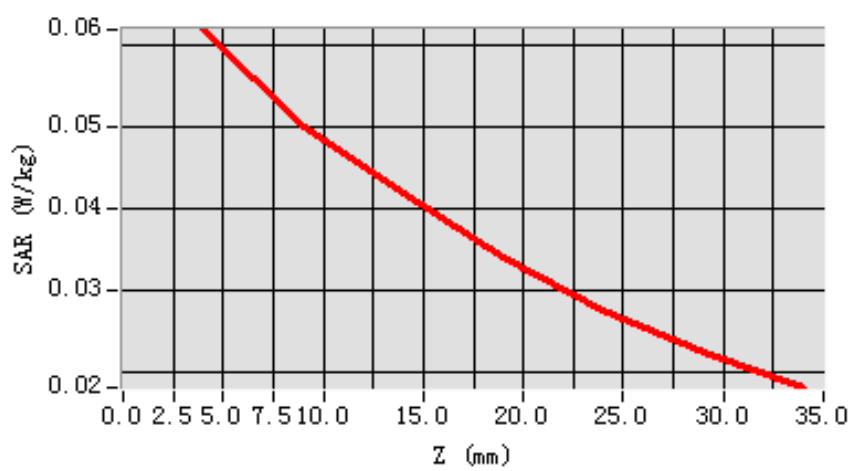
**Maximum location: X=-30.00, Y=-21.00**

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

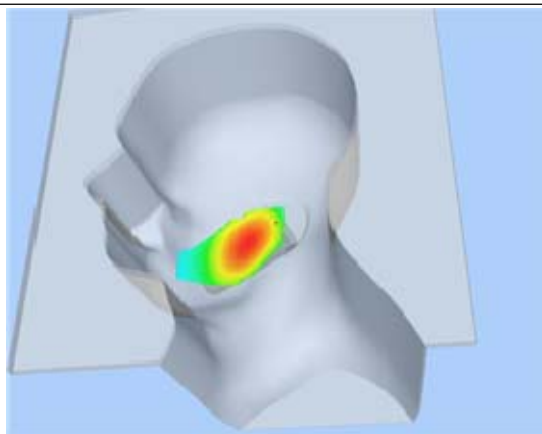
**Z Axis Scan**

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

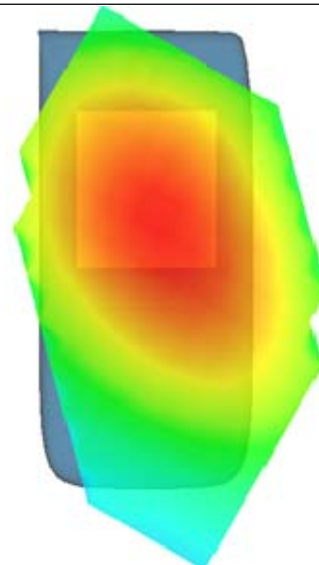
**SAR, Z Axis Scan (X = -30, Y = -21)**



**3D scen shot**



**Hot spot position**



# 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

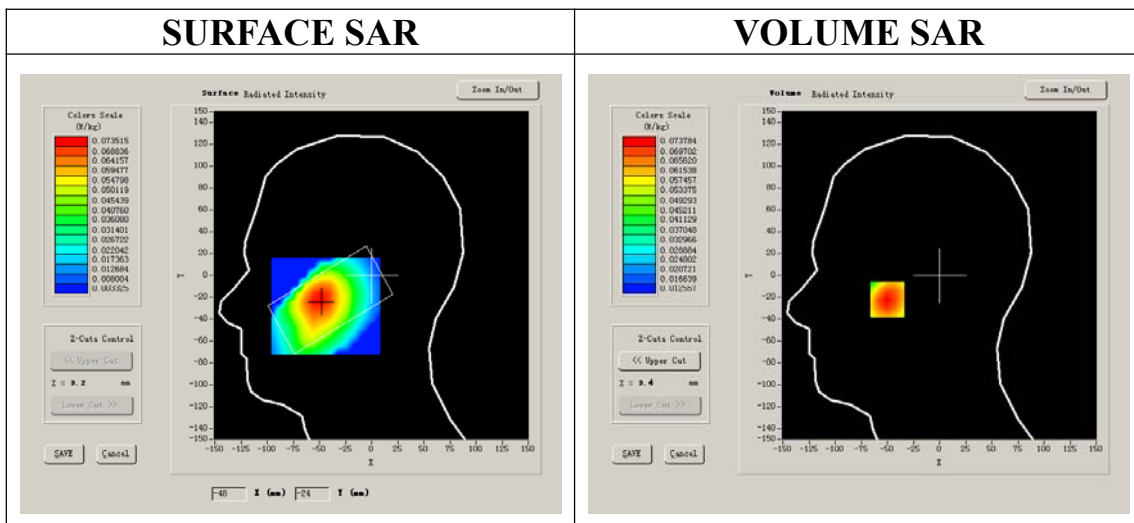
## A. Experimental conditions.

<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



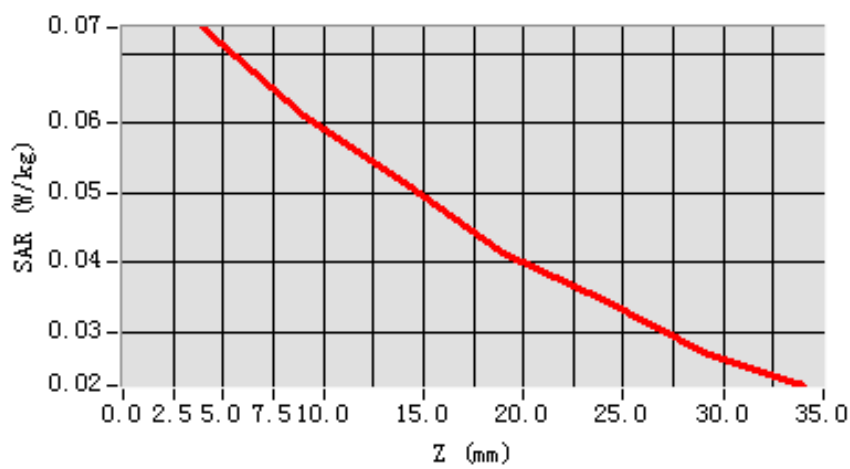
**Maximum location: X=-50.00, Y=-22.00**

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

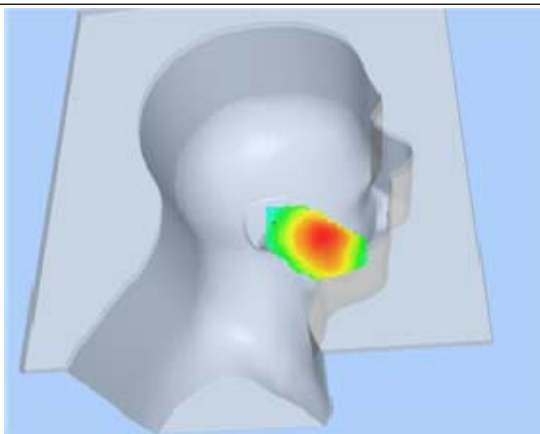
**Z Axis Scan**

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

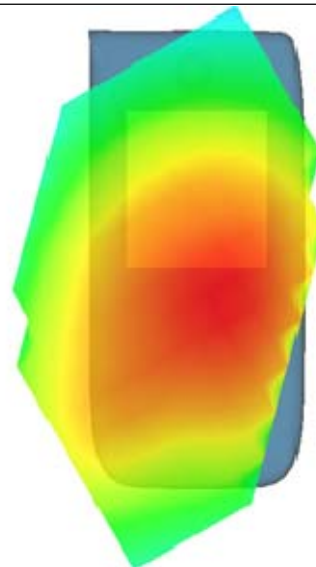
**SAR, Z Axis Scan (X = -50, Y = -22)**



**3D scen shot**



**Hot spot position**



## 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.

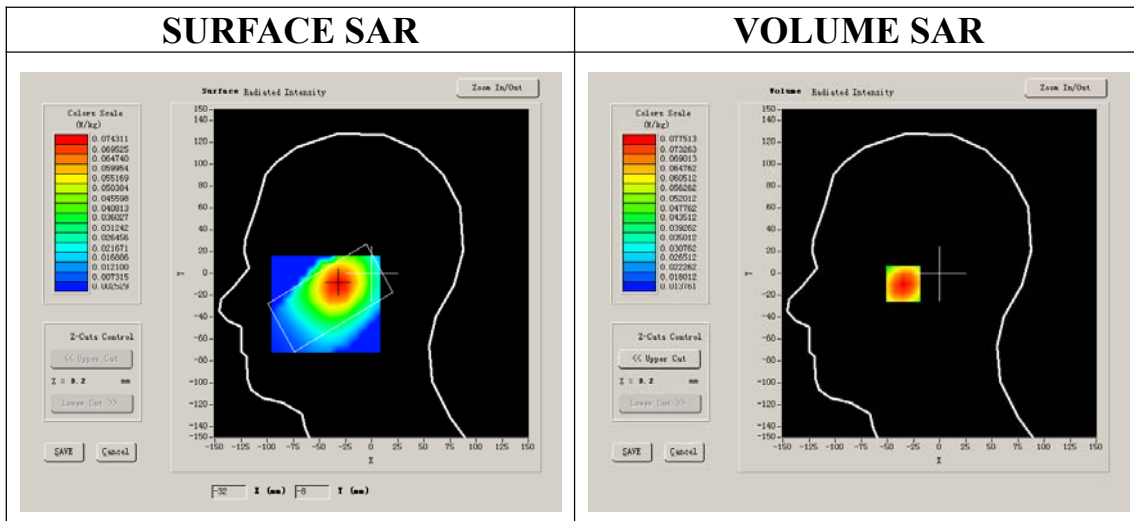
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	802.11B
<b>Channels</b>	Middle
<b>Signal</b>	DSSS

### B. SAR Measurement Results

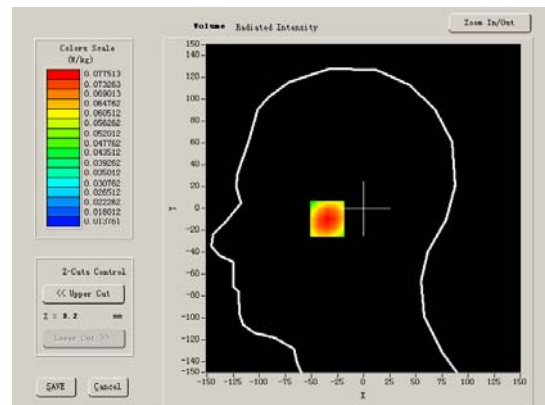
Middle Band SAR (Channel 6)

<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

#### SURFACE SAR



#### VOLUME SAR





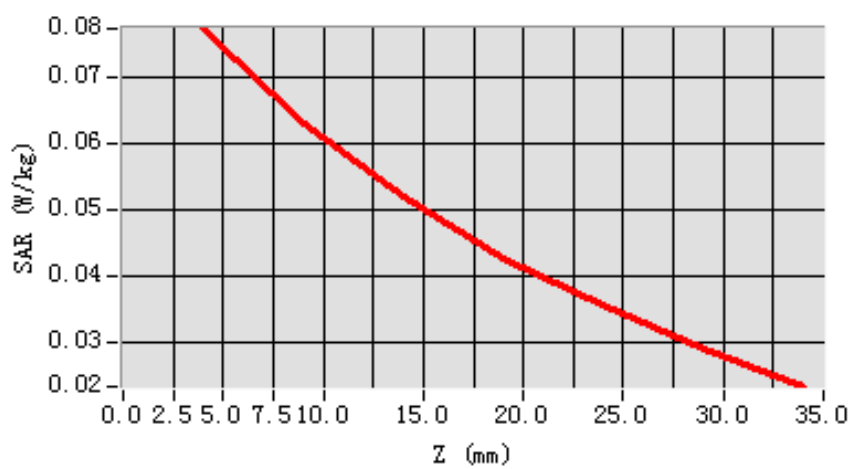
**Maximum location: X=-32.00, Y=-9.00**

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

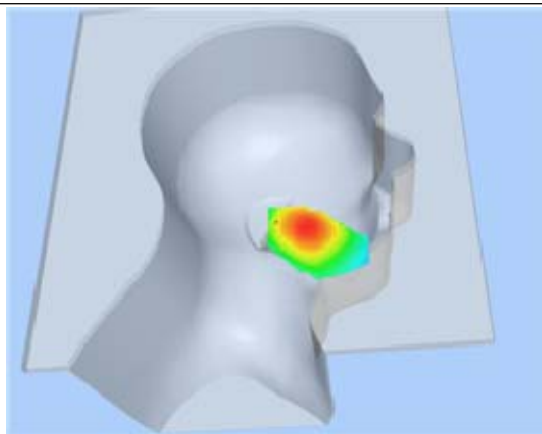
**Z Axis Scan**

Z (mm)	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

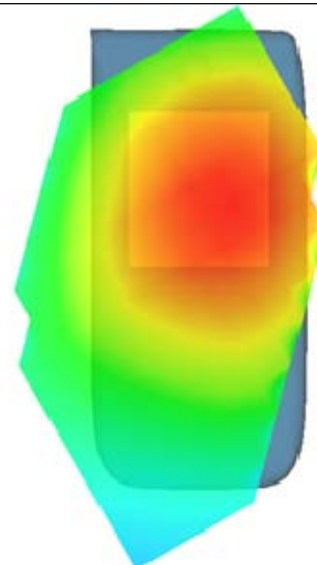
**SAR, Z Axis Scan (X = -32, Y = -9)**



**3D scen shot**



**Hot spot position**



# 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.

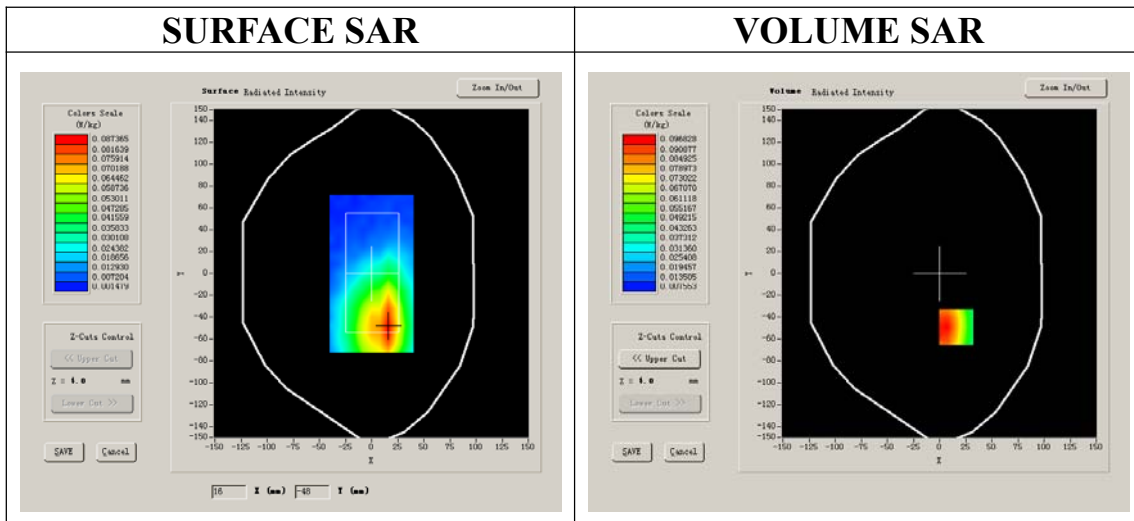
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	802.11B
<b>Channels</b>	Middle
<b>Signal</b>	DSSS

## B. SAR Measurement Results

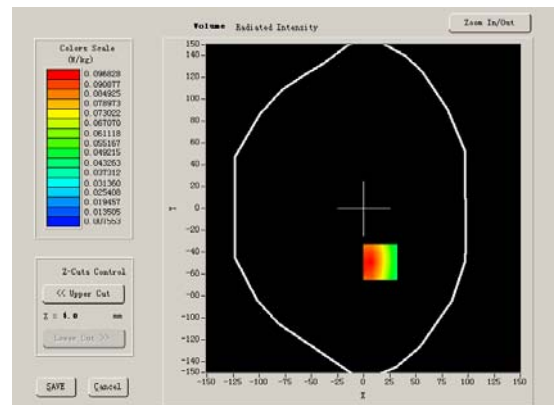
Middle Band SAR (Channel 6)

<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

### SURFACE SAR



### VOLUME SAR



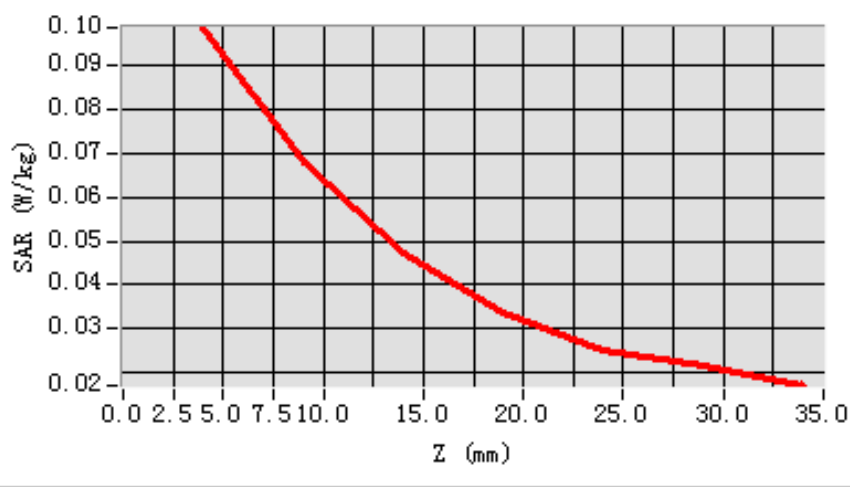
**Maximum location: X=16.00, Y=-49.00**

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

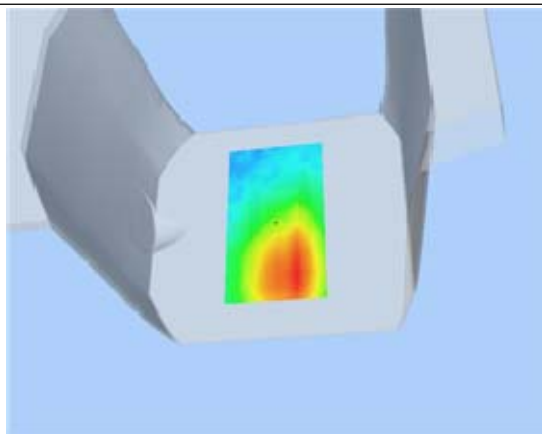
**Z Axis Scan**

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

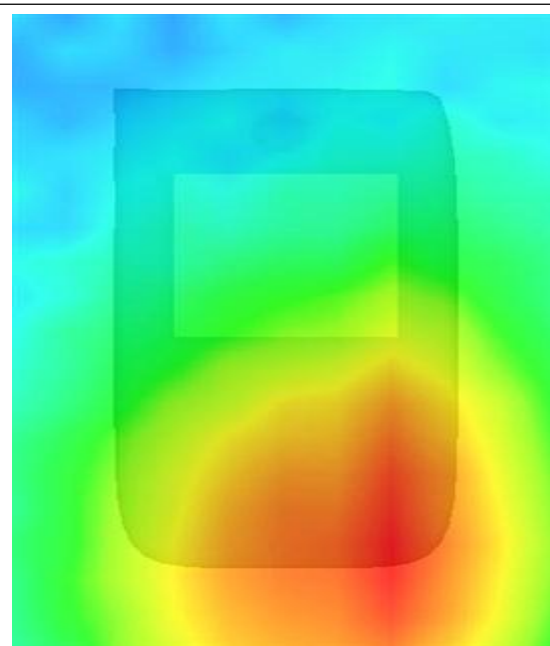
**SAR, Z Axis Scan (X = 16, Y = -49)**



**3D scen shot**



**Hot spot position**



## 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.

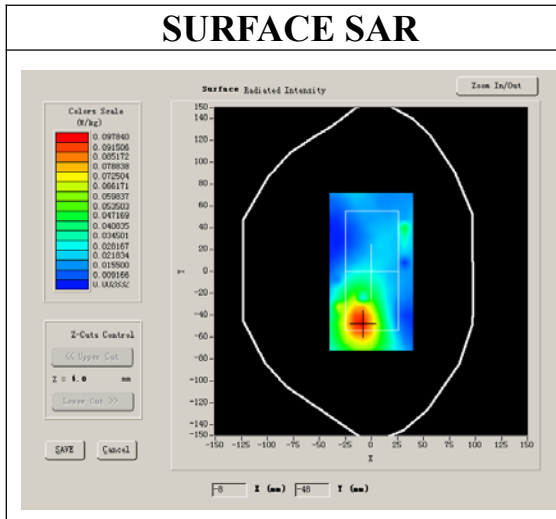
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	802.11B
<b>Channels</b>	Middle
<b>Signal</b>	DSSS

### B. SAR Measurement Results

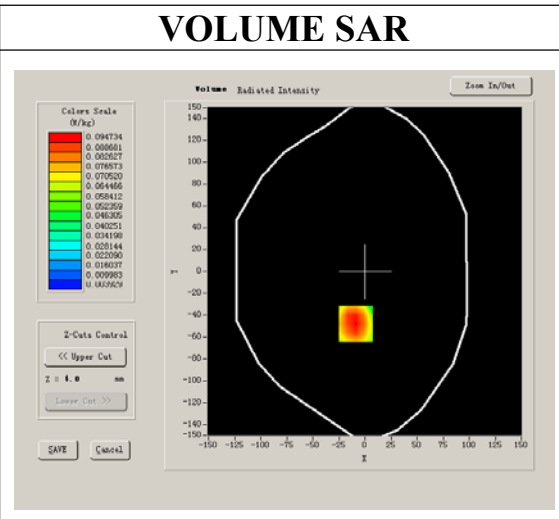
Middle Band SAR (Channel 6)

<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

#### SURFACE SAR



#### VOLUME SAR



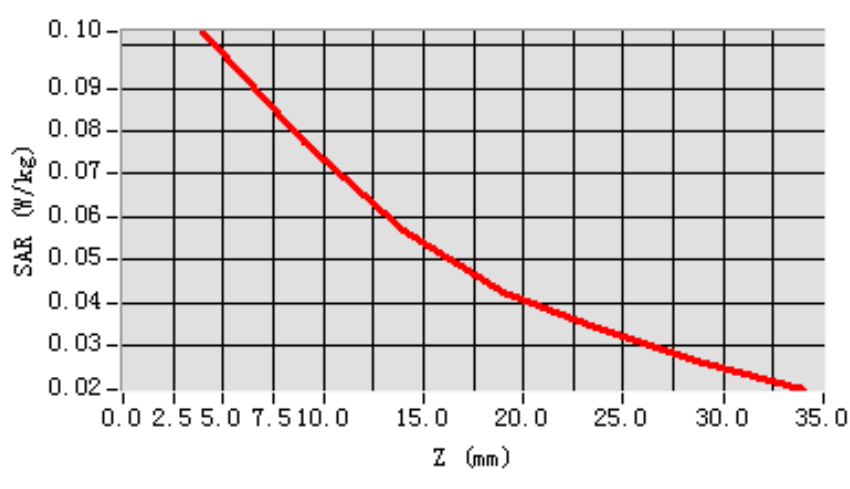
**Maximum location: X=-9.00, Y=-48.00**

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

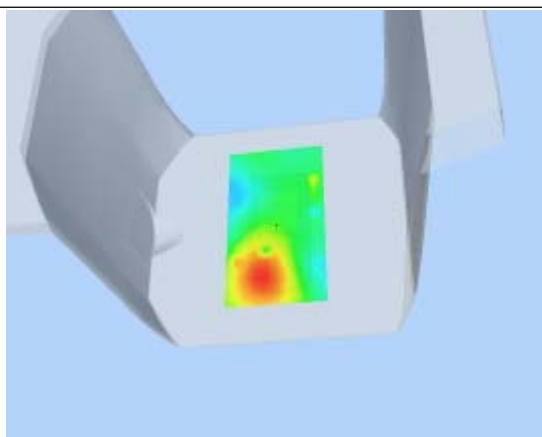
**Z Axis Scan**

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

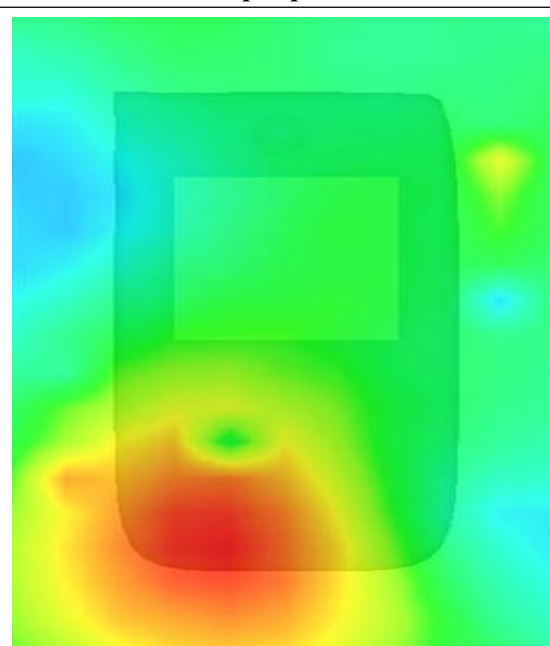
**SAR, Z Axis Scan (X = -9, Y = -48)**



**3D scen shot**



**Hot spot position**



## 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.

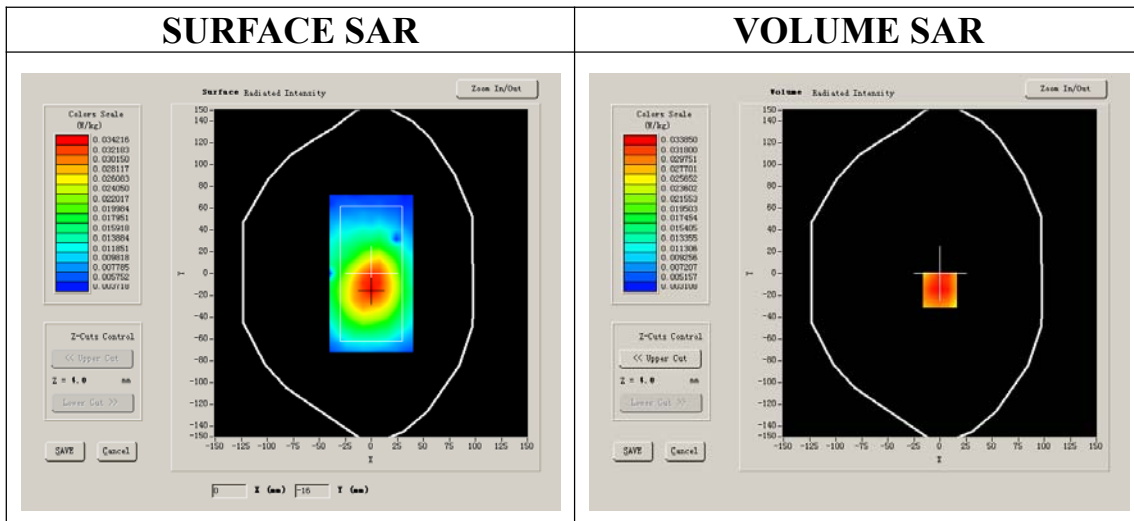
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	802.11B
<b>Channels</b>	Middle
<b>Signal</b>	DSSS

### B. SAR Measurement Results

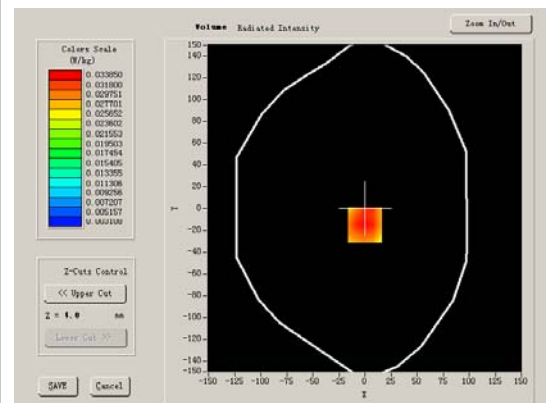
Middle Band SAR (Channel 6)

<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

#### SURFACE SAR



#### VOLUME SAR



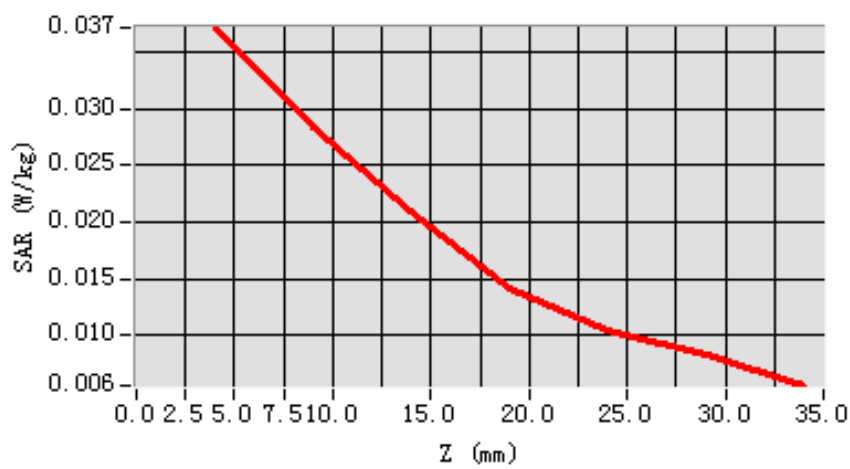
**Maximum location: X=0.00, Y=-15.00**

<b>SAR 10g (W/Kg)</b>	0.024740
<b>SAR 1g (W/Kg)</b>	0.035394

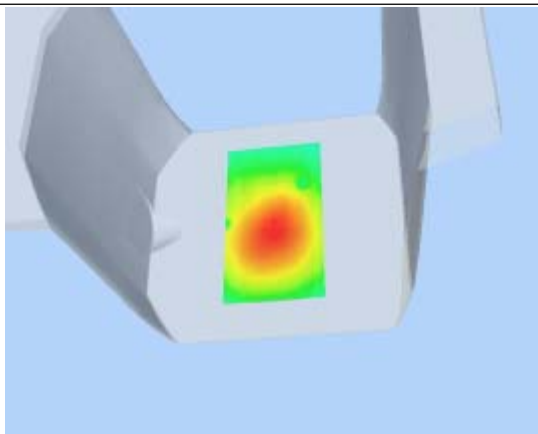
**Z Axis Scan**

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

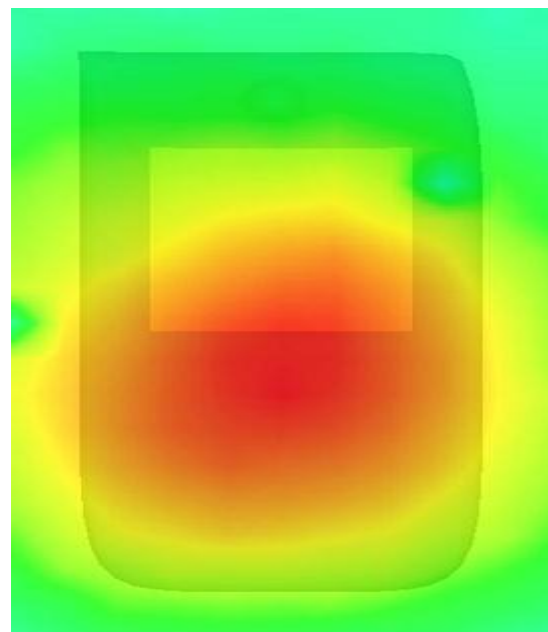
**SAR, Z Axis Scan (X = 0, Y = -15)**



**3D scen shot**



**Hot spot position**



## 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.

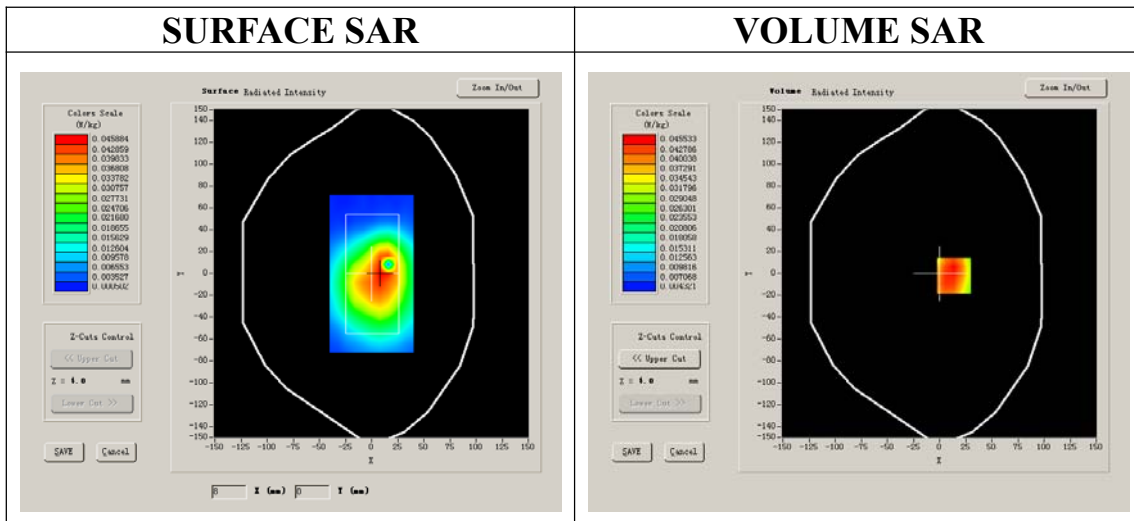
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	802.11B
<b>Channels</b>	Middle
<b>Signal</b>	DSSS

### B. SAR Measurement Results

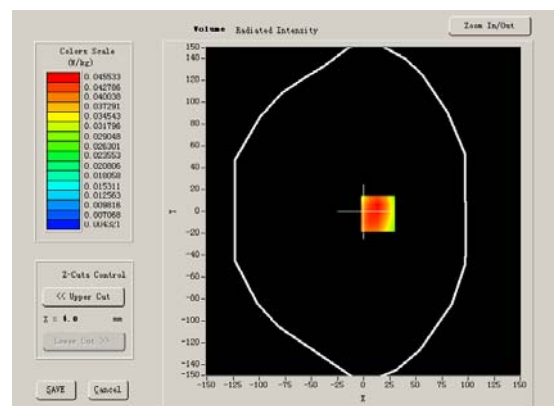
Middle Band SAR (Channel 6)

<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

#### SURFACE SAR



#### VOLUME SAR





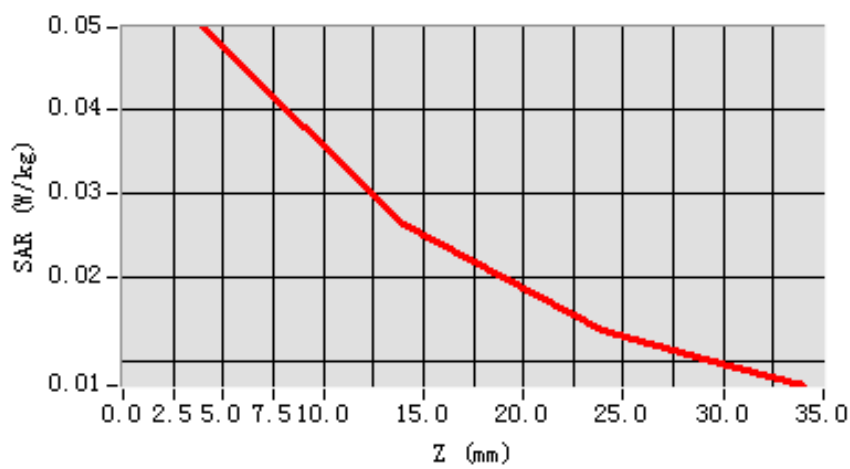
**Maximum location: X=14.00, Y=-2.00**

<b>SAR 10g (W/Kg)</b>	0.031504
<b>SAR 1g (W/Kg)</b>	0.047848

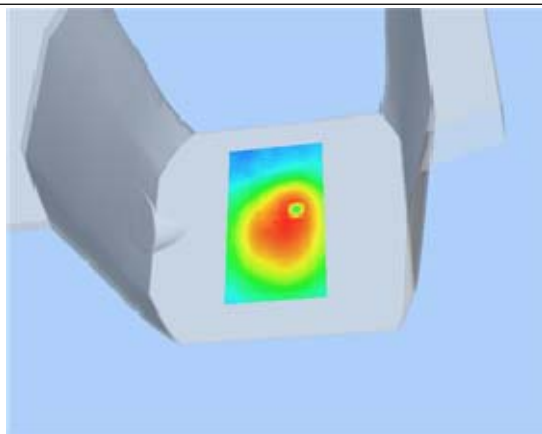
**Z Axis Scan**

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

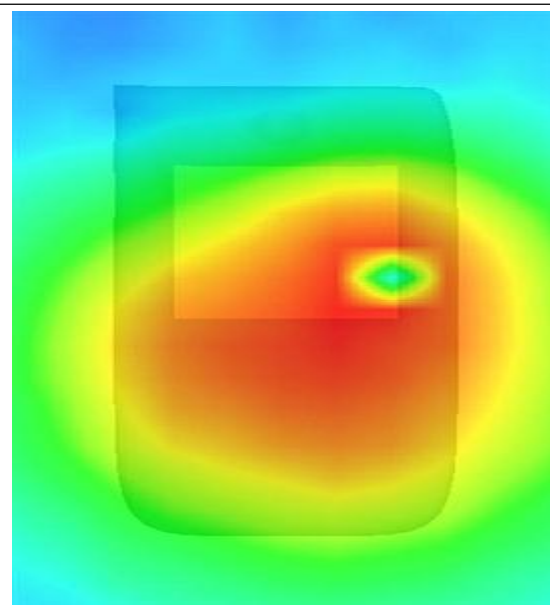
**SAR, Z Axis Scan (X = 14, Y = -2)**



**3D scen shot**



**Hot spot position**



## 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.

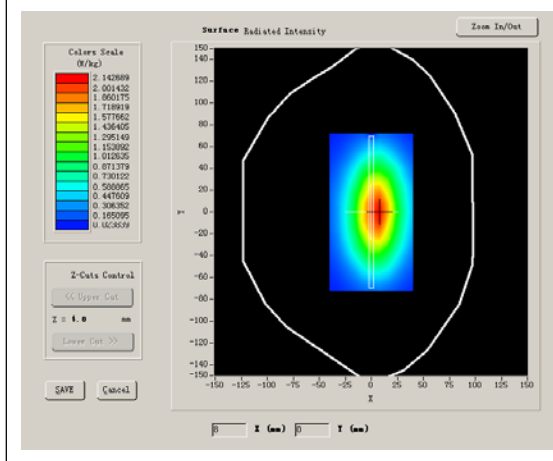
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	
<b>Band</b>	835MHz
<b>Channels</b>	
<b>Signal</b>	CW

### B. SAR Measurement Results

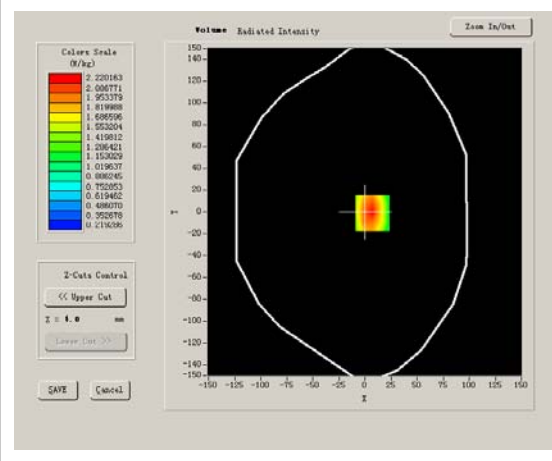
#### Band SAR

<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

#### SURFACE SAR



#### VOLUME SAR



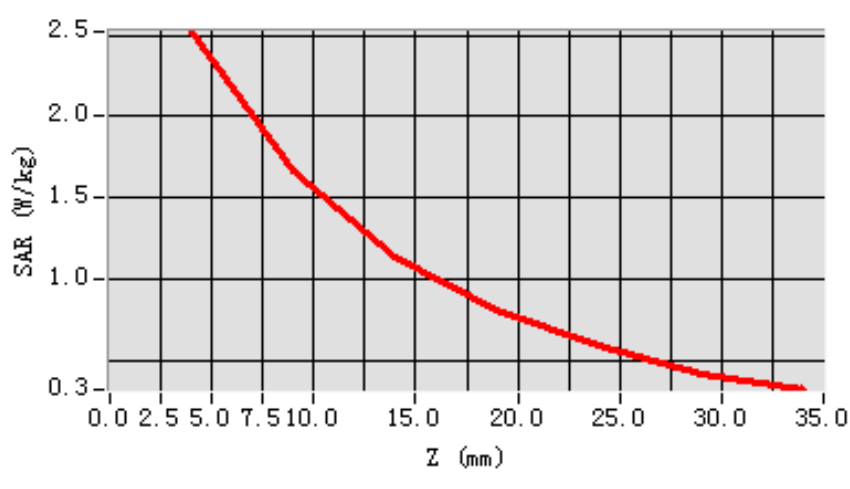
**Maximum location: X=7.00, Y=-1.00**

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

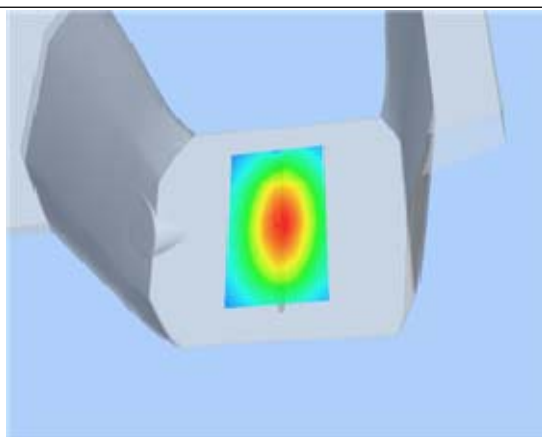
**Z Axis Scan**

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

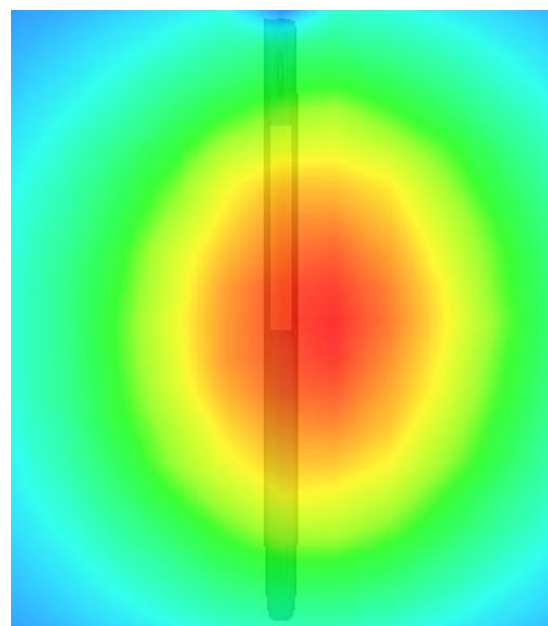
**SAR, Z Axis Scan (X = 7, Y = -1)**



**3D scen shot**



**Hot spot position**



## 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.

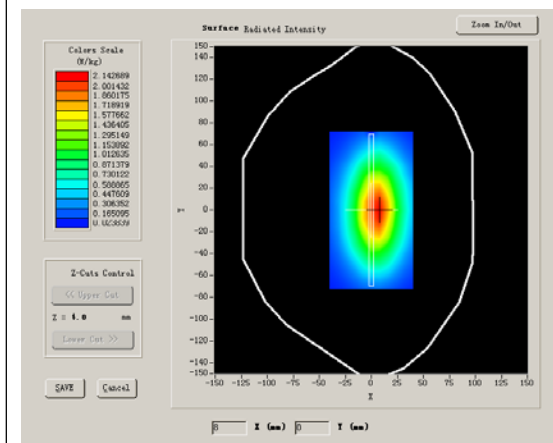
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	
<b>Band</b>	835MHz
<b>Channels</b>	
<b>Signal</b>	CW

### B. SAR Measurement Results

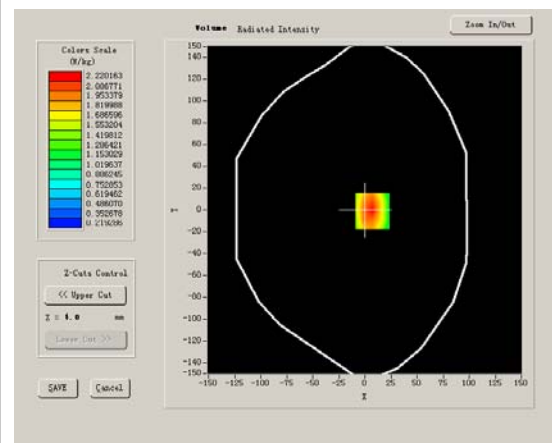
#### Band SAR

<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

#### SURFACE SAR



#### VOLUME SAR



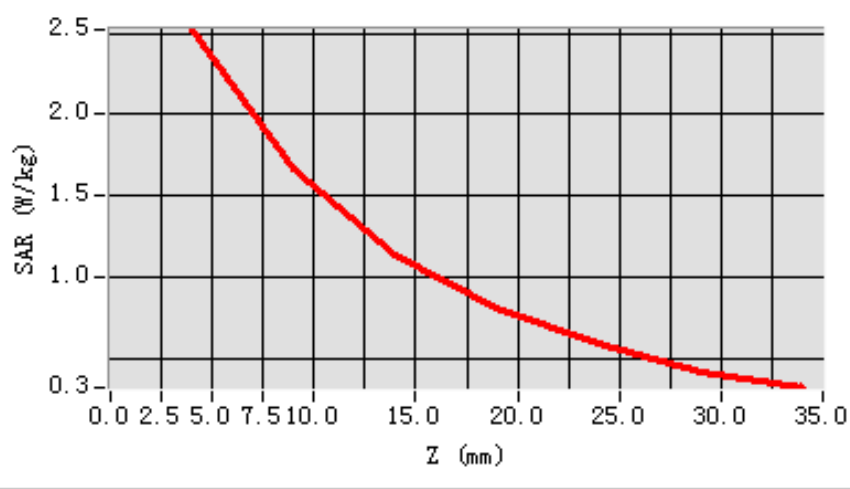
**Maximum location: X=7.00, Y=-1.00**

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

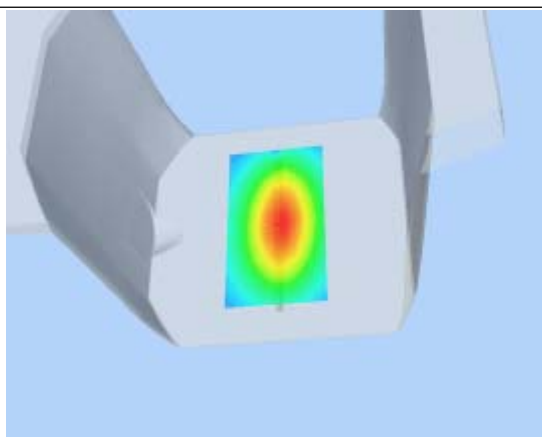
**Z Axis Scan**

Z (mm)	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

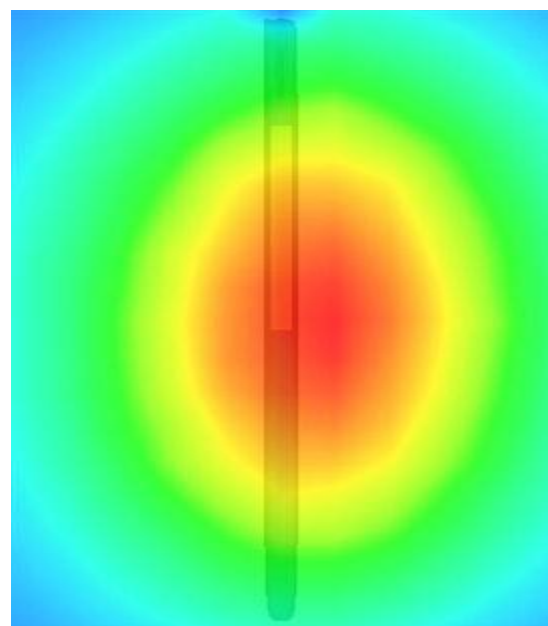
**SAR, Z Axis Scan (X = 7, Y = -1)**



**3D scen shot**



**Hot spot position**



## 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.

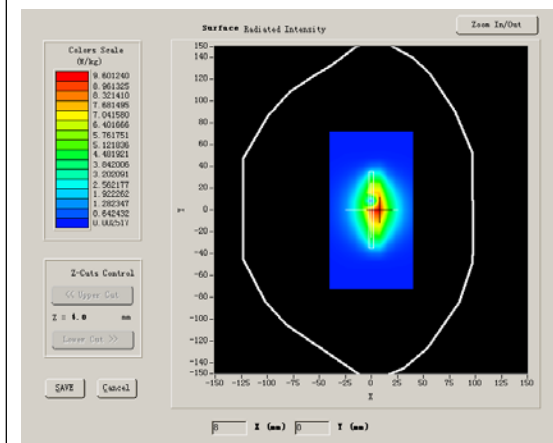
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	
<b>Band</b>	1800MHz
<b>Channels</b>	
<b>Signal</b>	CW

### B. SAR Measurement Results

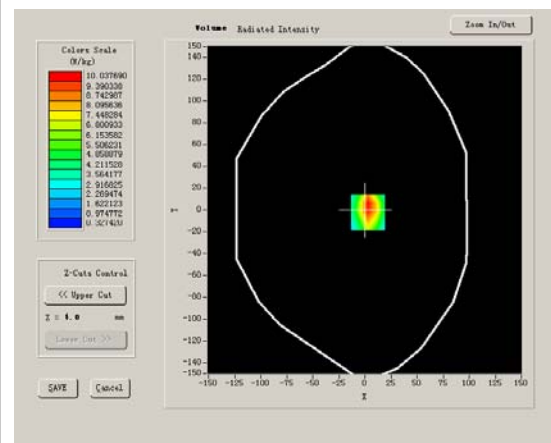
#### Band SAR

<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

#### SURFACE SAR



#### VOLUME SAR

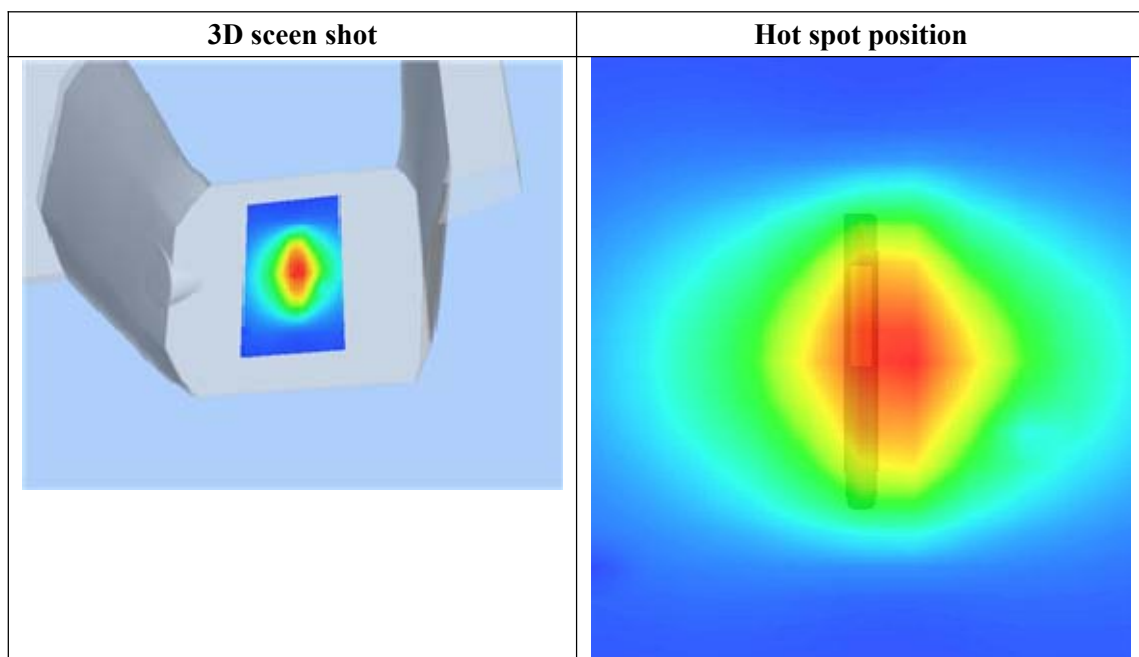
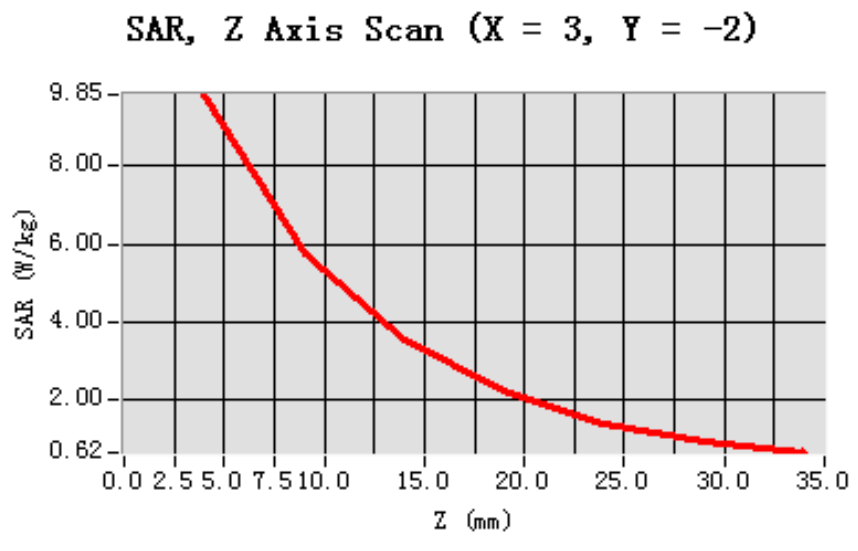


**Maximum location: X=3.00, Y=-2.00**

<b>SAR 10g (W/Kg)</b>	5.233842
<b>SAR 1g (W/Kg)</b>	9.556460

**Z Axis Scan**

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



## 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.

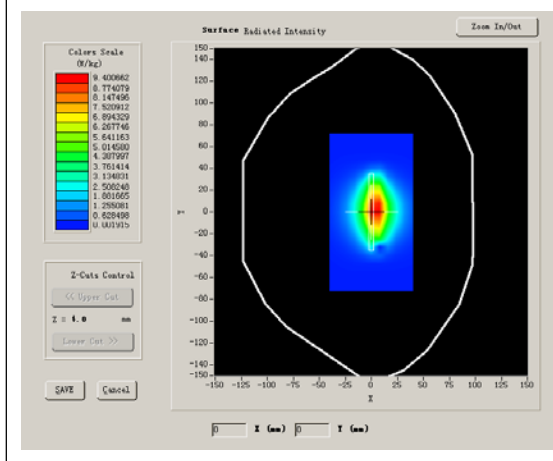
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	
<b>Band</b>	1800MHz
<b>Channels</b>	
<b>Signal</b>	CW

### B. SAR Measurement Results

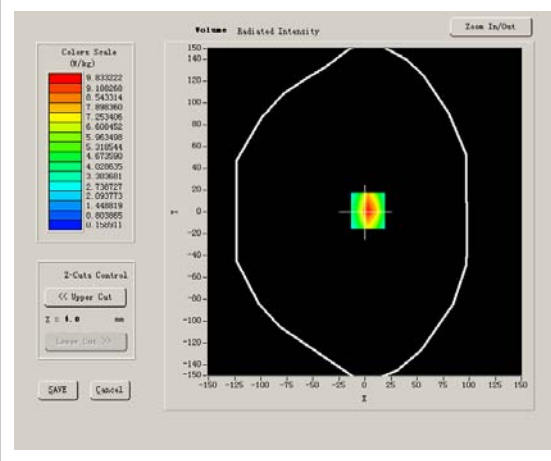
#### Band SAR

<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

#### SURFACE SAR



#### VOLUME SAR





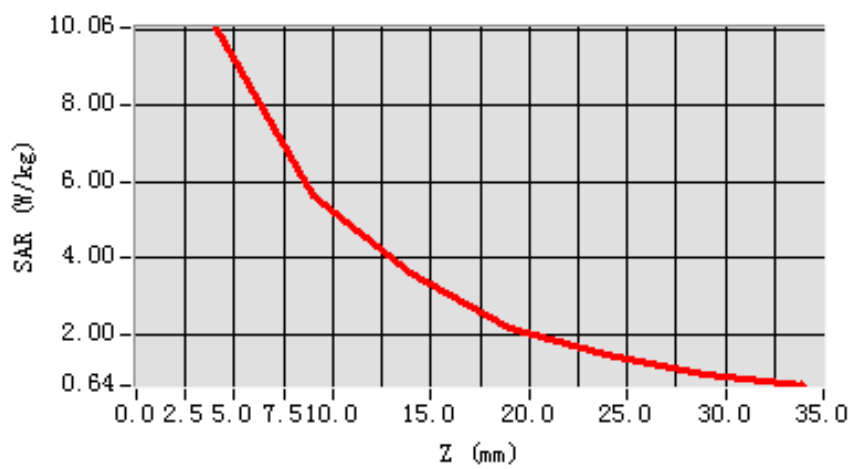
**Maximum location: X=3.00, Y=1.00**

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

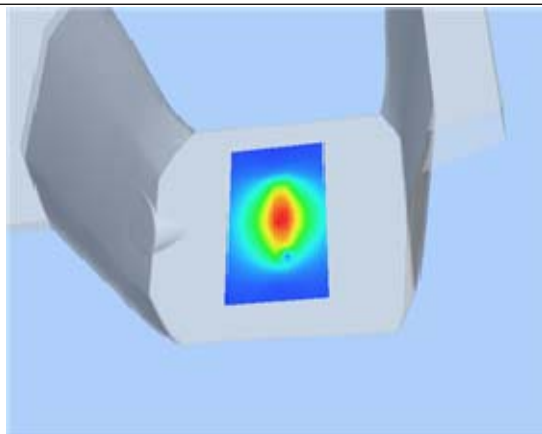
**Z Axis Scan**

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

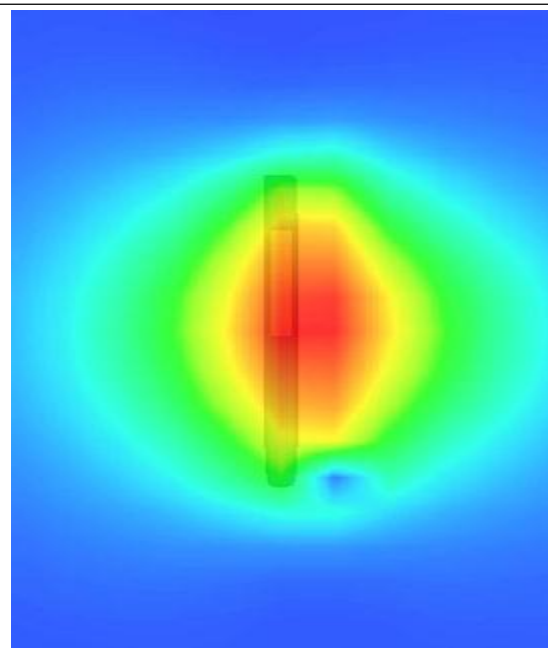
**SAR, Z Axis Scan (X = 3, Y = 1)**



**3D scen shot**



**Hot spot position**



## 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.

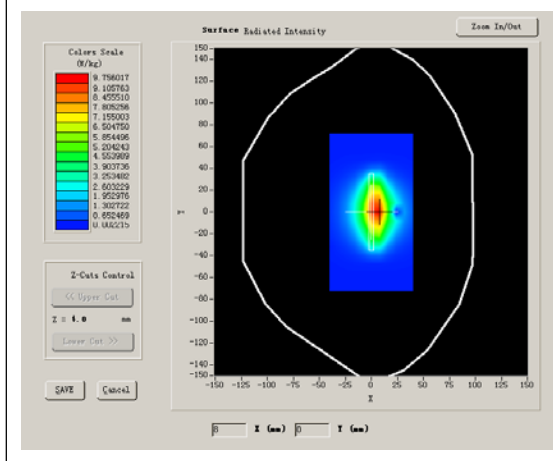
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	
<b>Band</b>	1900MHz
<b>Channels</b>	
<b>Signal</b>	CW

### B. SAR Measurement Results

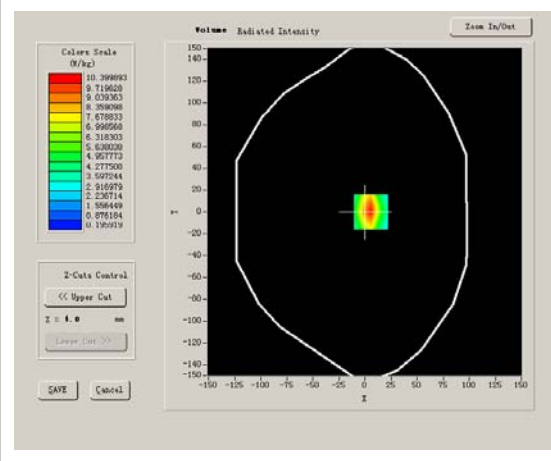
#### Band SAR

<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

#### SURFACE SAR



#### VOLUME SAR



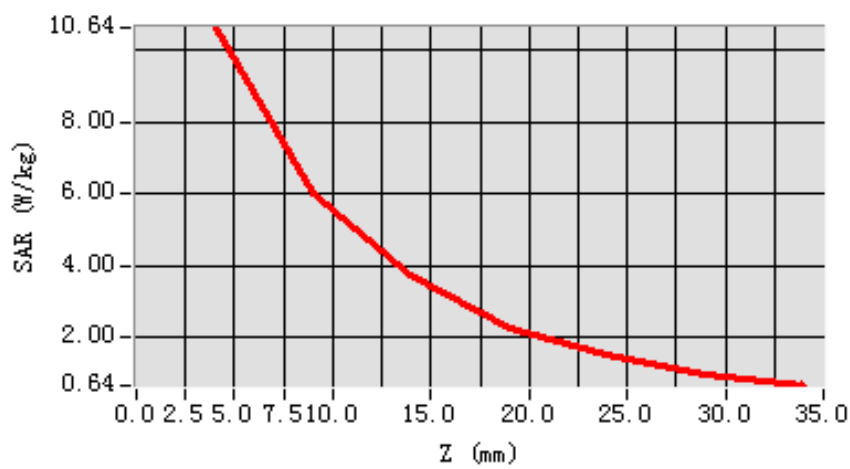
**Maximum location: X=6.00, Y=0.00**

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

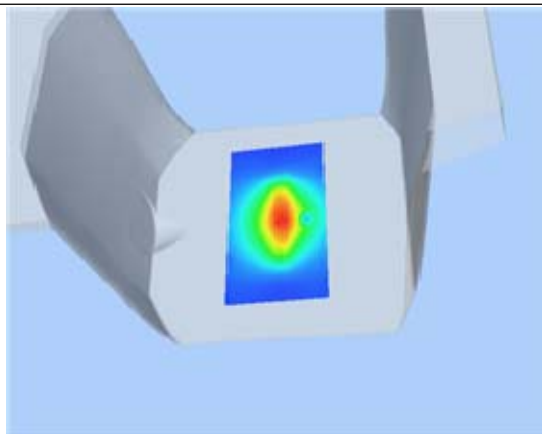
**Z Axis Scan**

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

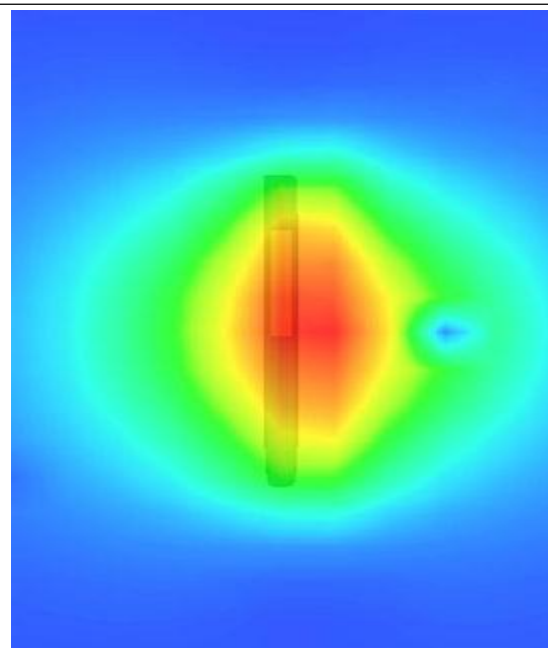
**SAR, Z Axis Scan (X = 6, Y = 0)**



**3D scen shot**



**Hot spot position**



## 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.

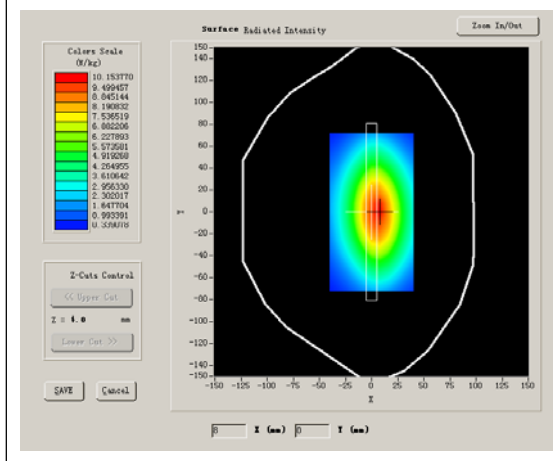
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	
<b>Band</b>	1900MHz
<b>Channels</b>	
<b>Signal</b>	CW

### B. SAR Measurement Results

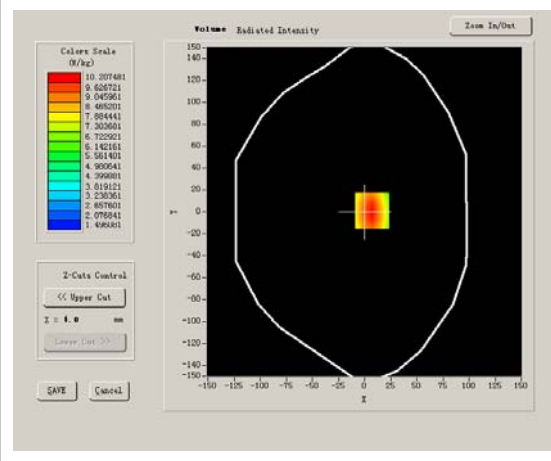
#### Band SAR

<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

#### SURFACE SAR



#### VOLUME SAR



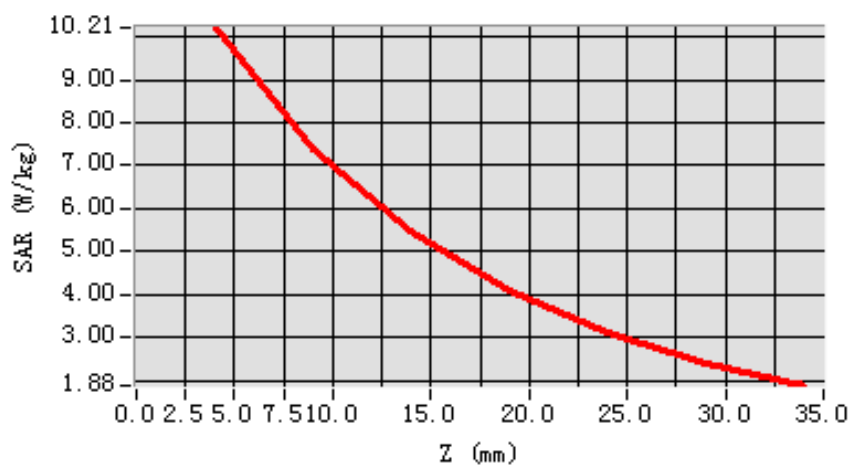
**Maximum location: X=7.00, Y=1.00**

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

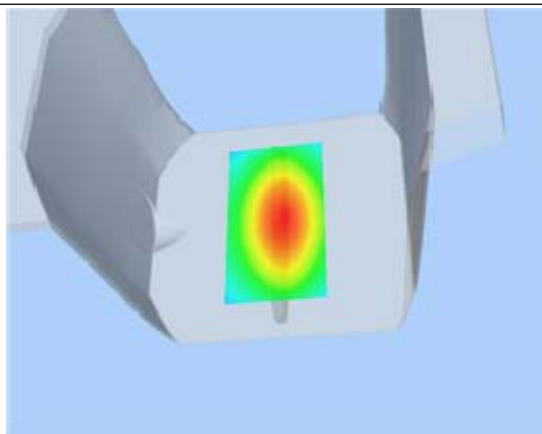
**Z Axis Scan**

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

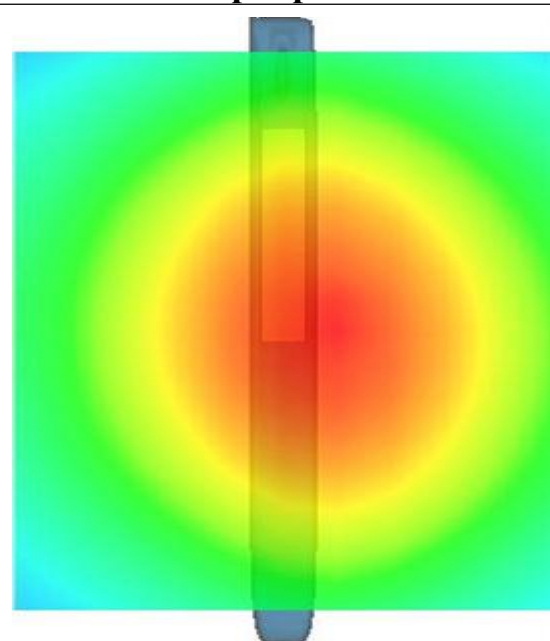
**SAR, Z Axis Scan (X = 7, Y = 1)**



**3D scene shot**



**Hot spot position**



## 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.

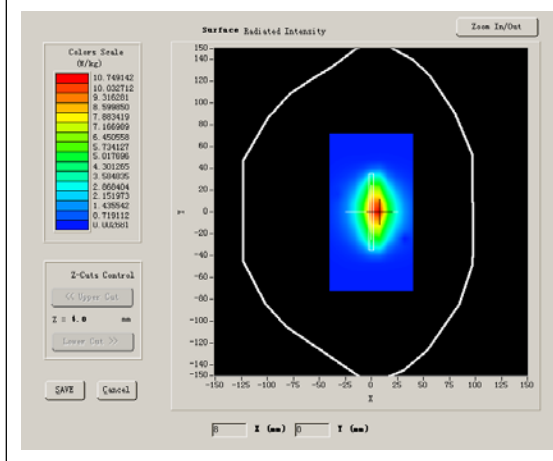
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	
<b>Band</b>	2450MHz
<b>Channels</b>	
<b>Signal</b>	CW

### B. SAR Measurement Results

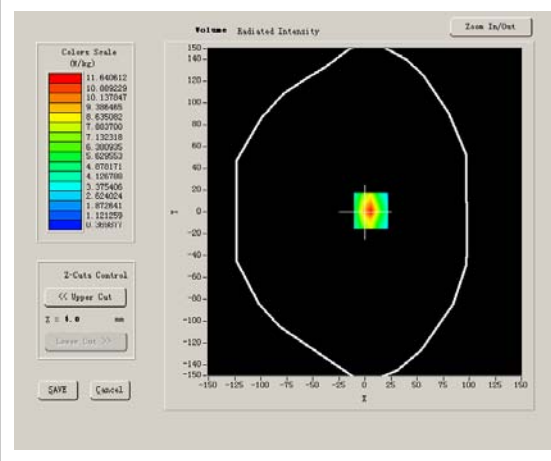
#### Band SAR

<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

#### SURFACE SAR



#### VOLUME SAR



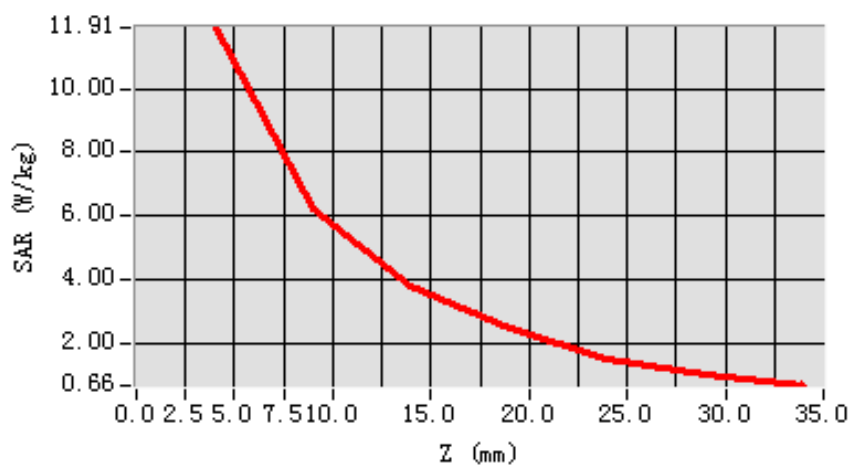
**Maximum location: X=6.00, Y=1.00**

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

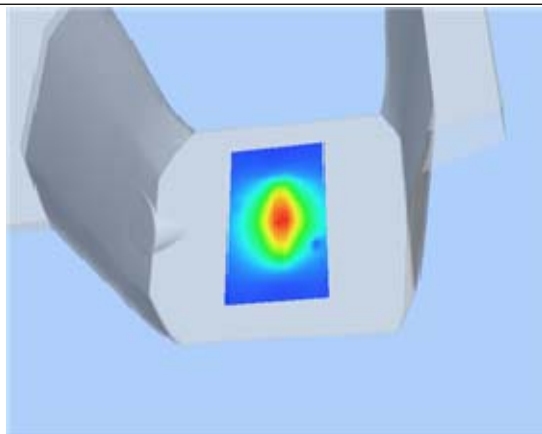
**Z Axis Scan**

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

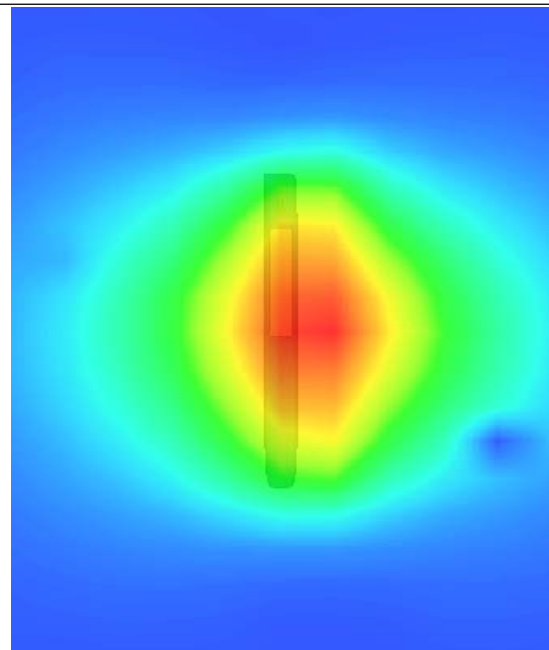
**SAR, Z Axis Scan (X = 6, Y = 1)**



**3D scen shot**



**Hot spot position**



## 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.

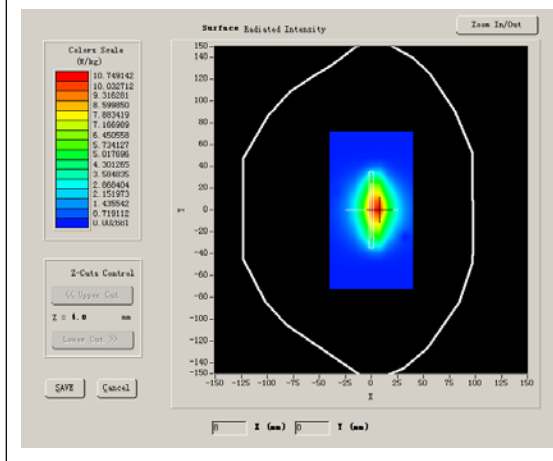
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	
<b>Band</b>	2450MHz
<b>Channels</b>	
<b>Signal</b>	CW

### B. SAR Measurement Results

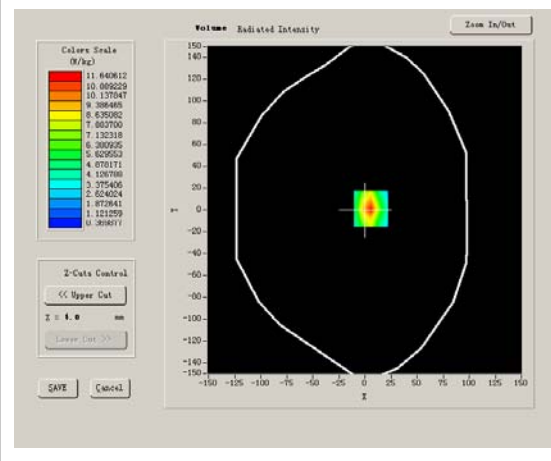
#### Band SAR

<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

#### SURFACE SAR



#### VOLUME SAR





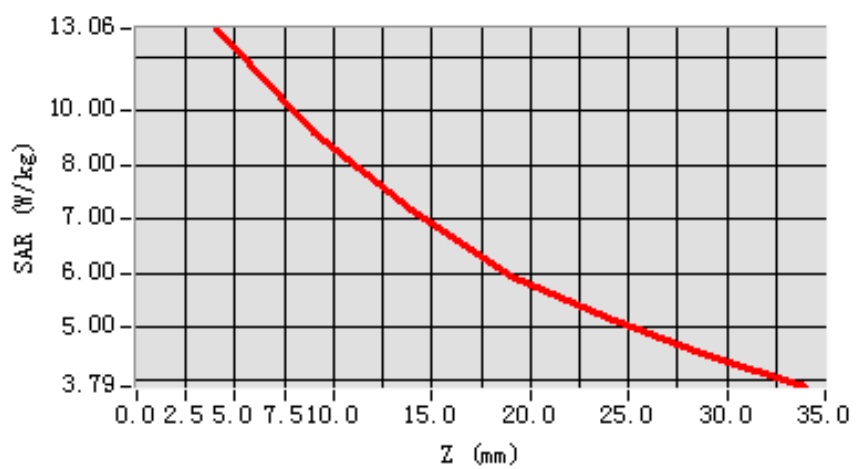
**Maximum location: X=-1.00, Y=-50.00**

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

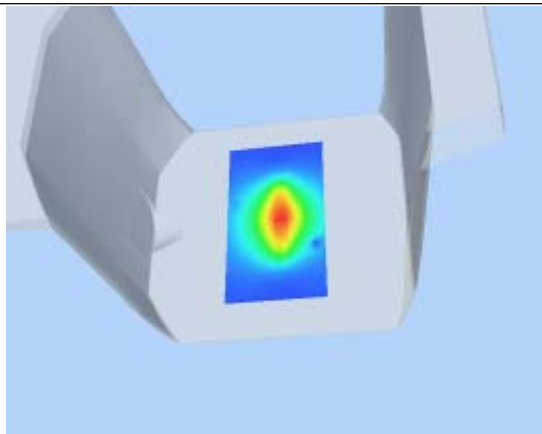
**Z Axis Scan**

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>
<b>SAR (W/Kg)</b>	<b>0.0000</b>	<b>13.1279</b>	<b>6.8312</b>	<b>3.5991</b>	<b>1.3473</b>

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



**3D scen shot**



**Hot spot position**

