

## Annex B Graph Test Results



<b>BAND</b>	<b><u>PARAMETERS</u></b>
<b><u>GSM850</u></b>	<p><u>Measurement 1:</u> Flat Plane with EUT on Middle Channel in GPRS mode <b>Horizontal-Up</b></p> <p><u>Measurement 2:</u> Flat Plane with EUT on Middle Channel in GPRS mode <b>Horizontal-Down</b></p> <p><u>Measurement 3:</u> Flat Plane with EUT on Middle Channel in GPRS mode <b>Vertical-Front</b></p> <p><u>Measurement 4:</u> Flat Plane with EUT on Middle Channel in GPRS mode <b>Vertical-Back</b></p> <p><u>Measurement 5:</u> Flat Plane with EUT on Middle Channel in GPRS mode <b>Dongle-Tip</b></p> <p><u>Measurement 6:</u> Flat Plane with EUT on Middle Channel in EDGE mode <b>Horizontal-Up</b></p>
<b><u>GSM1900</u></b>	<p><u>Measurement 7:</u> Flat Plane with EUT on Low Channel in GPRS mode <b>Horizontal-Up</b></p> <p><u>Measurement 8:</u> Flat Plane with EUT on Low Channel in GPRS mode <b>Horizontal-Down</b></p> <p><u>Measurement 9:</u> Flat Plane with EUT on Low Channel in GPRS mode <b>Vertical-Front</b></p> <p><u>Measurement 10:</u> Flat Plane with EUT on Low Channel in GPRS mode <b>Vertical-Back</b></p> <p><u>Measurement 11:</u> Flat Plane with EUT on Low Channel in GPRS mode <b>Dongle-Tip</b></p> <p><u>Measurement 12:</u> Flat Plane with EUT on Low Channel in EDGE mode <b>Horizontal-Up</b></p>
<b><u>WCDMA 850</u></b>	<p><u>Measurement 13:</u> Flat Plane with EUT on Middle Channel in WCDMA mode <b>Horizontal-Up</b></p> <p><u>Measurement 14:</u> Flat Plane with EUT on Middle Channel in WCDMA mode <b>Horizontal-Down</b></p> <p><u>Measurement 15:</u> Flat Plane with EUT on Middle Channel in WCDMA mode <b>Vertical-Front</b></p> <p><u>Measurement 16:</u> Flat Plane with EUT on Middle Channel in WCDMA mode <b>Vertical-Back</b></p> <p><u>Measurement 17:</u> Flat Plane with EUT on Middle Channel in WCDMA mode <b>Dongle-Tip</b></p>
<b><u>WCDMA 1700</u></b>	<p><u>Measurement 18:</u> Flat Plane with EUT on Low Channel in WCDMA mode <b>Horizontal-Up</b></p> <p><u>Measurement 19:</u> Flat Plane with EUT on Low Channel in WCDMA mode <b>Horizontal-Down</b></p>

	<p><u>Measurement 20:</u> Flat Plane with EUT on Low Channel in WCDMA mode <b>Vertical-Front</b></p> <p><u>Measurement 21:</u> Flat Plane with EUT on Low Channel in WCDMA mode <b>Vertical-Back</b></p> <p><u>Measurement 22:</u> Flat Plane with EUT on Low Channel in WCDMA mode <b>Dongle-Tip</b></p>
<p><b><u>WCDMA</u></b> <b><u>1900</u></b></p>	<p><u>Measurement 23:</u> Flat Plane with EUT on Low Channel in WCDMA mode <b>Horizontal-Up</b></p> <p><u>Measurement 24:</u> Flat Plane with EUT on Low Channel in WCDMA mode <b>Horizontal-Down</b></p> <p><u>Measurement 25:</u> Flat Plane with EUT on Middle Channel in WCDMA mode <b>Horizontal-Down</b></p> <p><u>Measurement 26:</u> Flat Plane with EUT on High Channel in WCDMA mode <b>Horizontal-Down</b></p> <p><u>Measurement 27:</u> Flat Plane with EUT on Low Channel in WCDMA mode <b>Vertical-Front</b></p> <p><u>Measurement 28:</u> Flat Plane with EUT on Low Channel in WCDMA mode <b>Vertical-Back</b></p> <p><u>Measurement 29:</u> Flat Plane with EUT on Low Channel in WCDMA mode <b>Dongle-Tip</b></p>

# MEASUREMENT 1

Type: Phone measurement (Complete)

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

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

Date of measurement: 2013.7.9

Measurement duration: 12 minutes 9 seconds

## A. Experimental conditions.

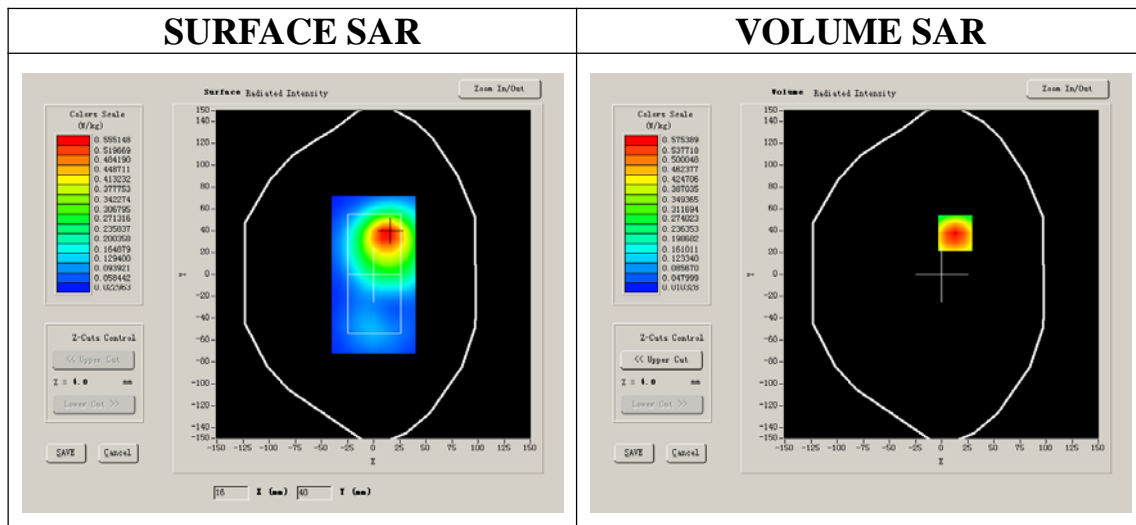
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM850
<b>Channels</b>	Middle
<b>Signal</b>	GPRS

## B. SAR Measurement Results

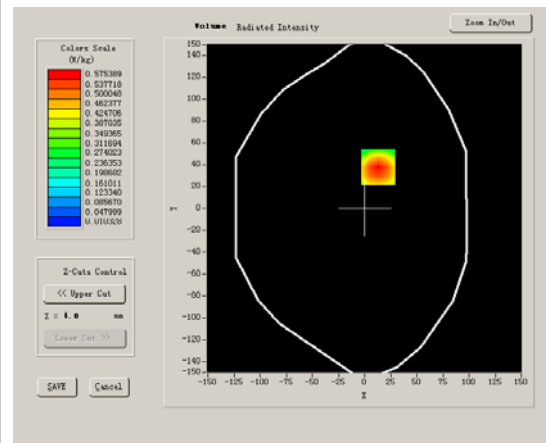
Middle Band SAR (Channel 190):

<b>Frequency (MHz)</b>	836.600000
<b>Relative permittivity (real part)</b>	55.140000
<b>Conductivity (S/m)</b>	0.960000
<b>Power drift (%)</b>	-0.870000
<b>Ambient Temperature:</b>	23.2°C
<b>Liquid Temperature:</b>	22.9°C
<b>ConvF:</b>	28.479,25.214,27.196
<b>Crest factor:</b>	1:2

### SURFACE SAR



### VOLUME SAR



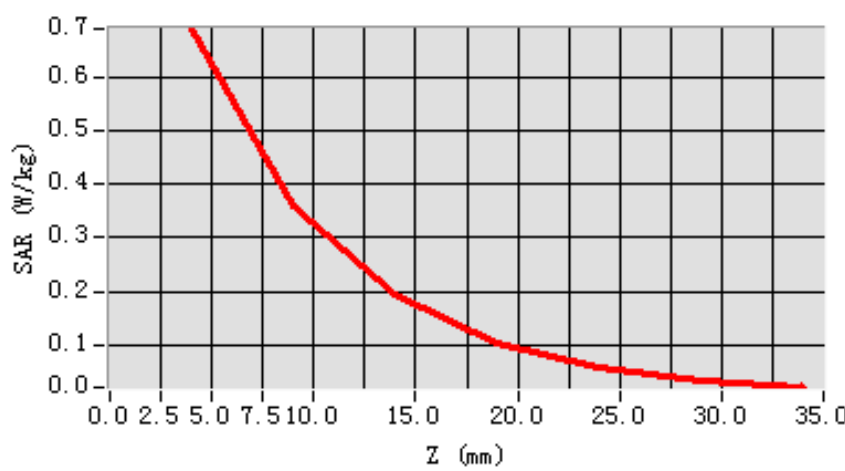
Maximum location: X=13.00, Y=38.00

SAR 10g (W/Kg)	0.363490
SAR 1g (W/Kg)	0.660962

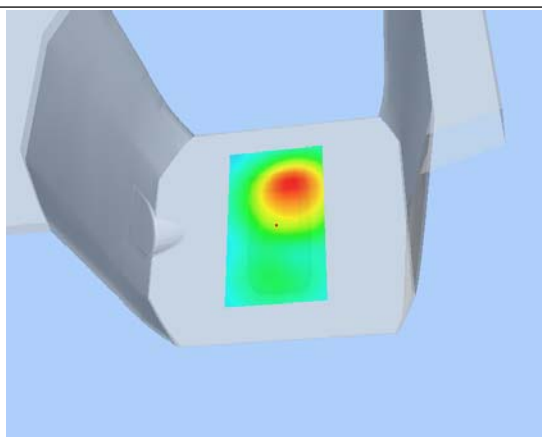
**Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.6905	0.3583	0.1961	0.1031	0.0588	0.0336

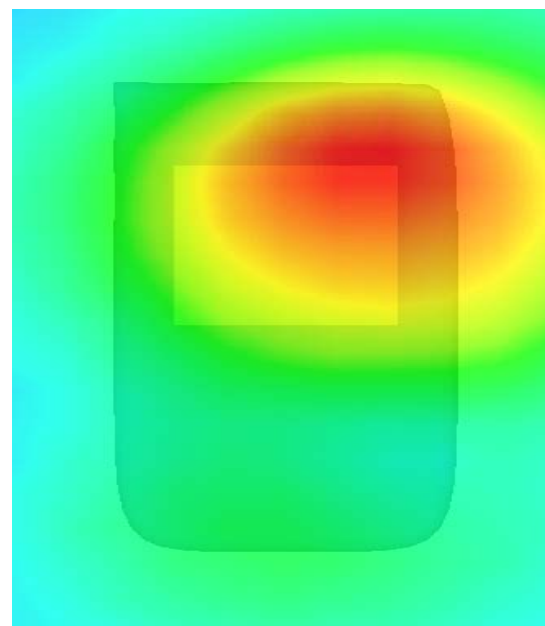
SAR, Z Axis Scan (X = 13, Y = 38)



3D scen shot



Hot spot position



## MEASUREMENT 2

Type: Phone measurement (Complete)

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

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

Date of measurement: 2013.7.9

Measurement duration: 13 minutes 10 seconds

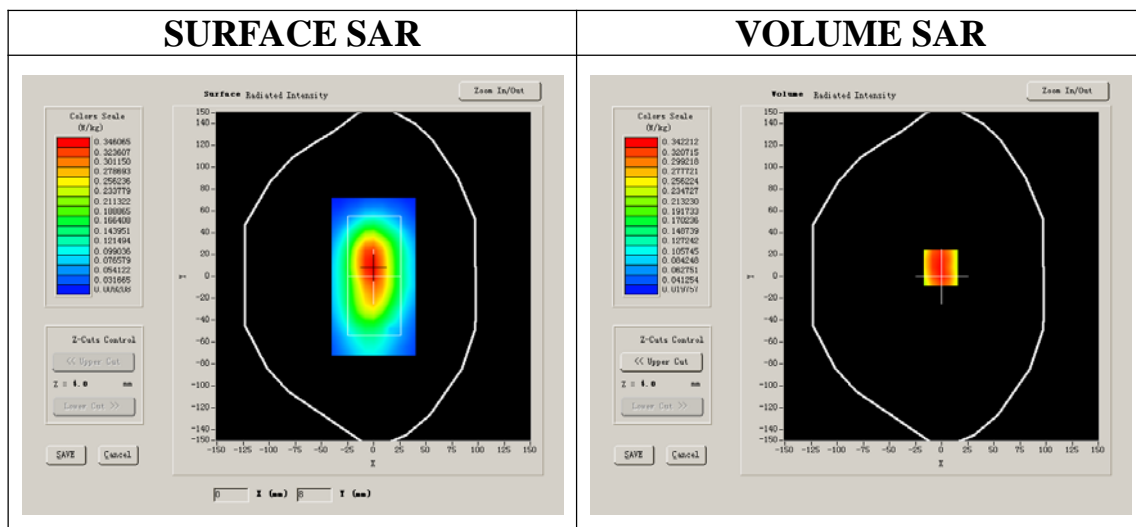
### A. Experimental conditions.

<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>	GPRS

### B. SAR Measurement Results

Middle Band SAR (Channel 190):

<b>Frequency (MHz)</b>	836.600000
<b>Relative permittivity (real part)</b>	55.140000
<b>Conductivity (S/m)</b>	0.960000
<b>Power drift (%)</b>	-1.720000
<b>Ambient Temperature:</b>	23.2°C
<b>Liquid Temperature:</b>	22.9°C
<b>ConvF:</b>	28.479,25.214,27.196
<b>Crest factor:</b>	1:2



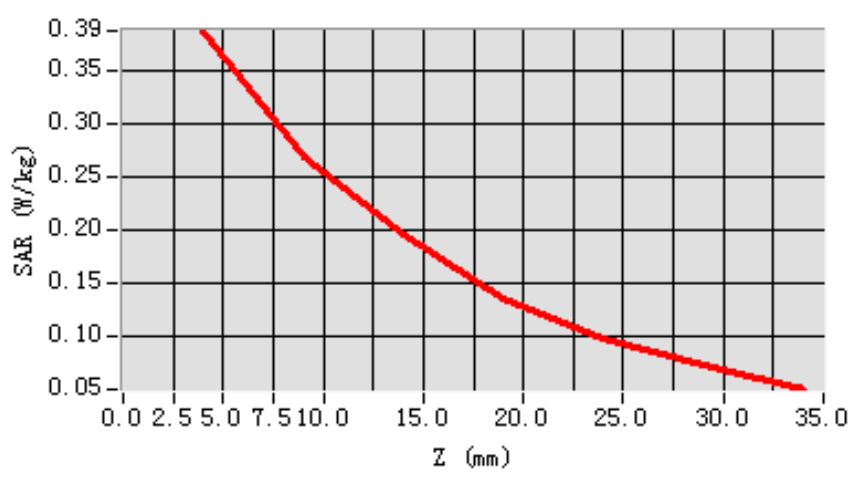
**Maximum location: X=-1.00, Y=8.00**

<b>SAR 10g (W/Kg)</b>	0.254937
<b>SAR 1g (W/Kg)</b>	0.373026

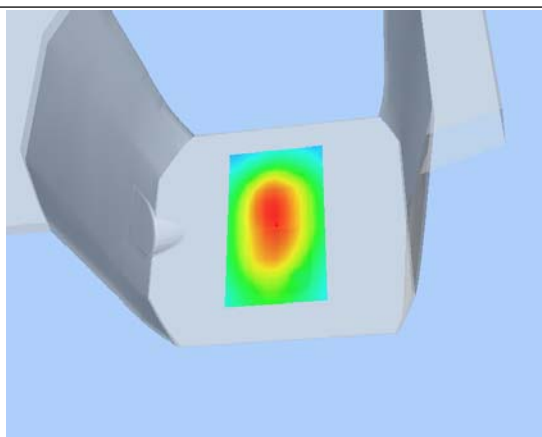
**Z Axis Scan**

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>0.3886</b>	<b>0.2684</b>	<b>0.1964</b>	<b>0.1362</b>	<b>0.0977</b>	<b>0.0731</b>

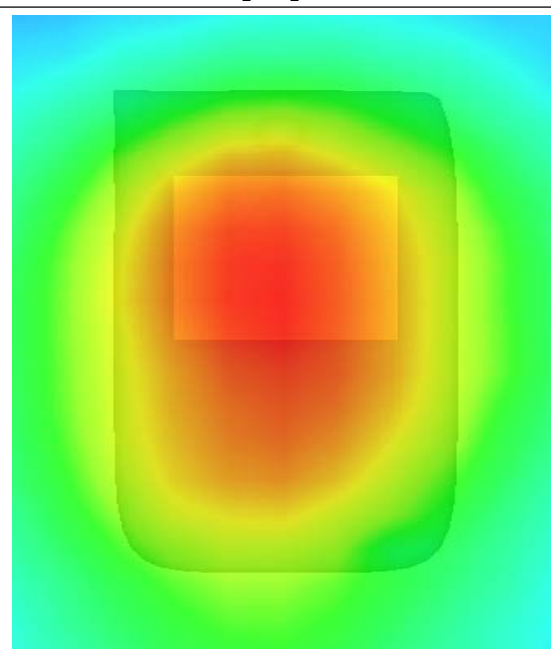
**SAR, Z Axis Scan (X = -1, Y = 8)**



**3D scen shot**



**Hot spot position**



## MEASUREMENT 3

Type: Phone measurement (Complete)

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

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

Date of measurement: 2013.7.9

Measurement duration: 13 minutes 9 seconds

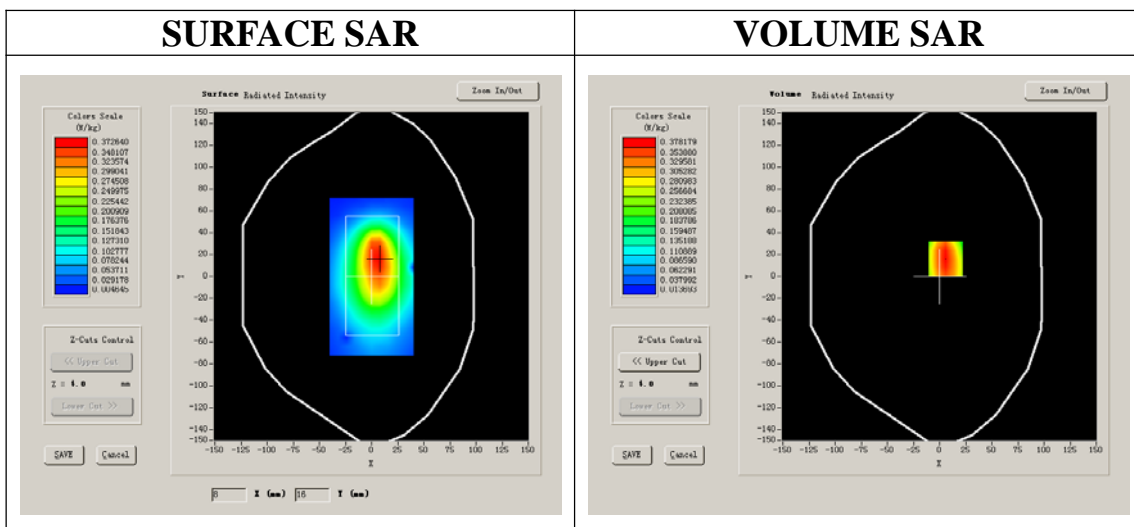
### A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM850
<b>Channels</b>	Middle
<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>	55.140000
<b>Conductivity (S/m)</b>	0.960000
<b>Power drift (%)</b>	-1.000000
<b>Ambient Temperature:</b>	23.2°C
<b>Liquid Temperature:</b>	22.9°C
<b>ConvF:</b>	28.479,25.214,27.196
<b>Crest factor:</b>	1:2



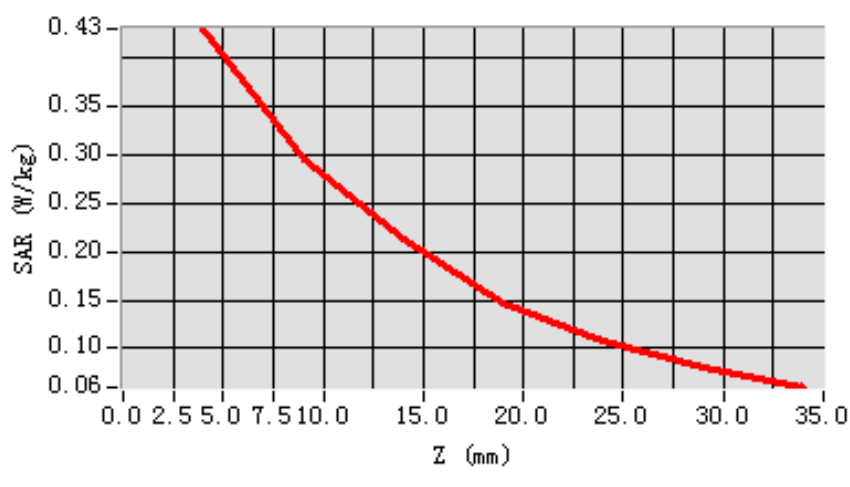
**Maximum location: X=6.00, Y=16.00**

<b>SAR 10g (W/Kg)</b>	0.275063
<b>SAR 1g (W/Kg)</b>	0.408579

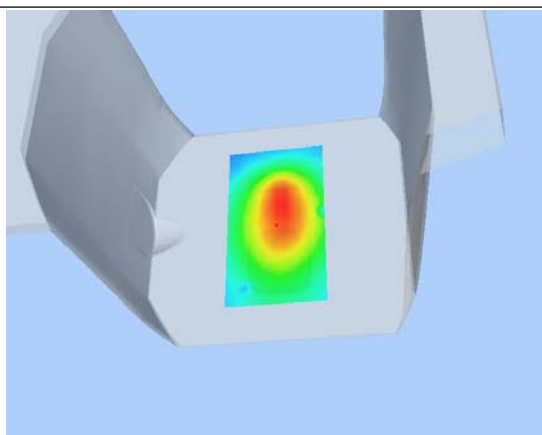
**Z Axis Scan**

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>0.4294</b>	<b>0.2939</b>	<b>0.2132</b>	<b>0.1476</b>	<b>0.1078</b>	<b>0.0797</b>

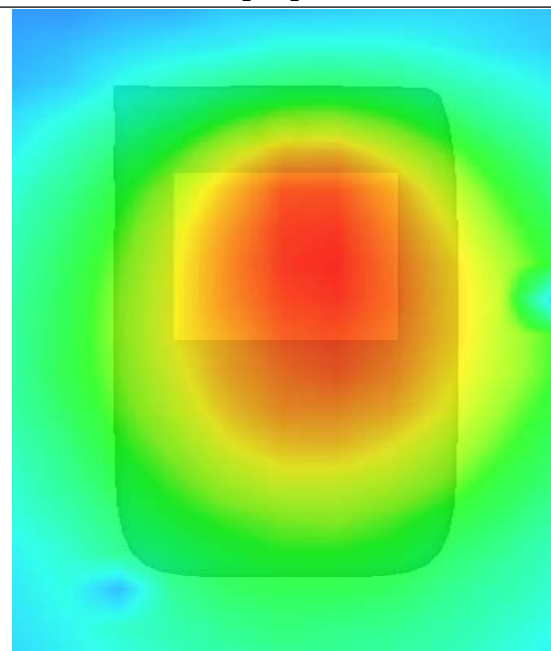
**SAR, Z Axis Scan (X = 6, Y = 16)**



**3D scen shot**



**Hot spot position**





## MEASUREMENT 4

Type: Phone measurement (Complete)

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

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

Date of measurement: 2013.7.9

Measurement duration: 13 minutes 9 seconds

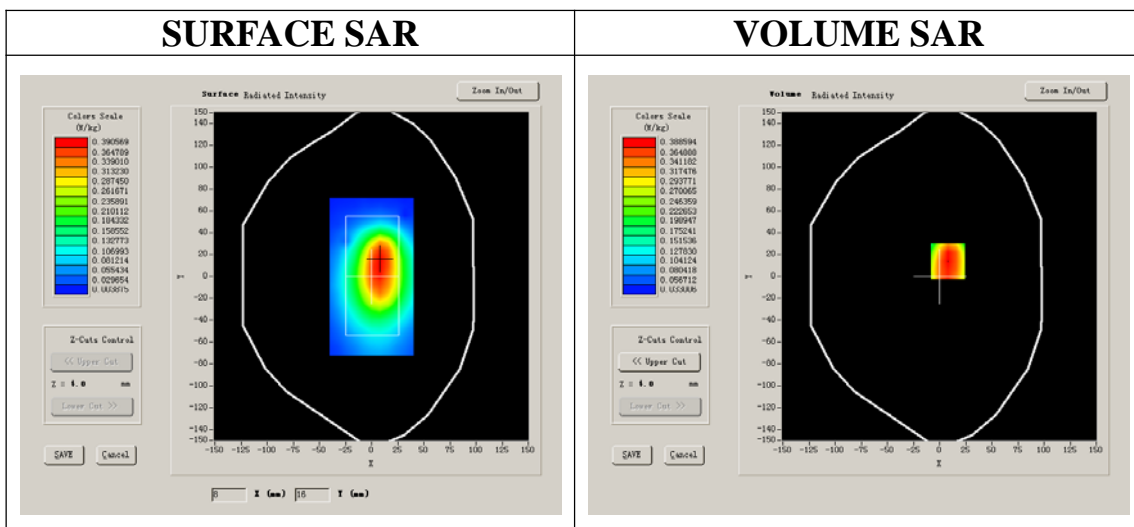
### A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM850
<b>Channels</b>	Middle
<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>	55.140000
<b>Conductivity (S/m)</b>	0.960000
<b>Power drift (%)</b>	-0.460000
<b>Ambient Temperature:</b>	23.2°C
<b>Liquid Temperature:</b>	22.9°C
<b>ConvF:</b>	28.479,25.214,27.196
<b>Crest factor:</b>	1:2



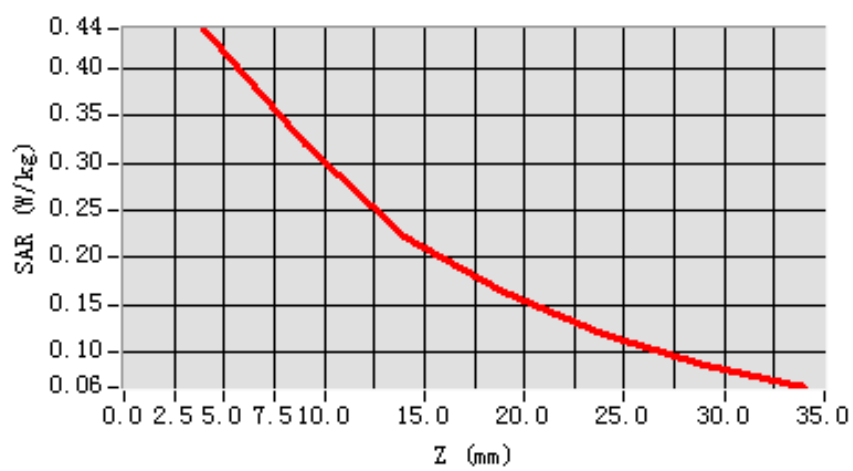
**Maximum location: X=8.00, Y=14.00**

<b>SAR 10g (W/Kg)</b>	0.291543
<b>SAR 1g (W/Kg)</b>	0.427880

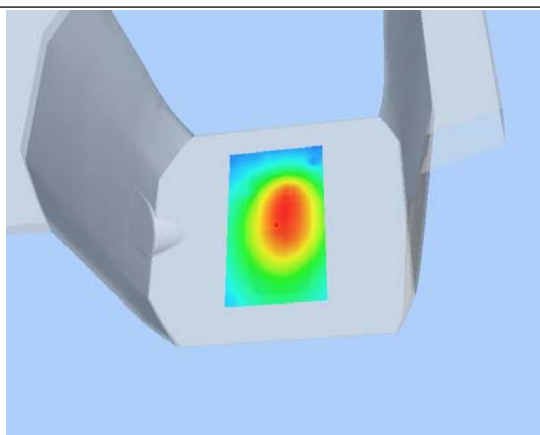
**Z Axis Scan**

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>0.4412</b>	<b>0.3198</b>	<b>0.2217</b>	<b>0.1632</b>	<b>0.1203</b>	<b>0.0868</b>

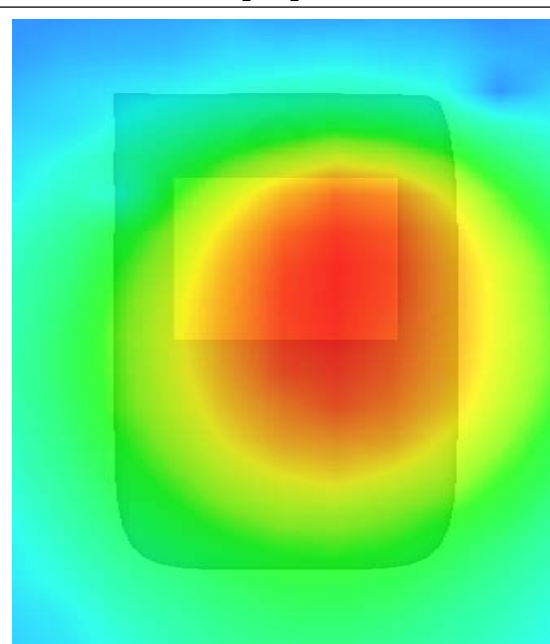
**SAR, Z Axis Scan (X = 8, Y = 14)**



**3D scen shot**



**Hot spot position**



## MEASUREMENT 5

Type: Phone measurement (Complete)

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

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

Date of measurement: 2013.7.11

Measurement duration: 13 minutes 9 seconds

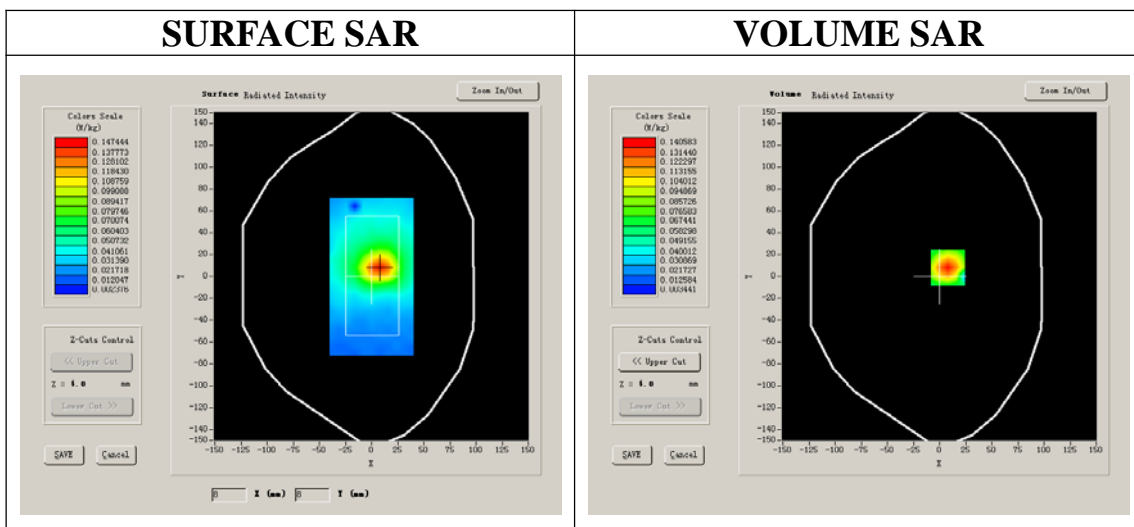
### A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM850
<b>Channels</b>	Middle
<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>	55.140000
<b>Conductivity (S/m)</b>	0.960000
<b>Power drift (%)</b>	-1.050000
<b>Ambient Temperature:</b>	23.2°C
<b>Liquid Temperature:</b>	22.9°C
<b>ConvF:</b>	28.479,25.214,27.196
<b>Crest factor:</b>	1:2



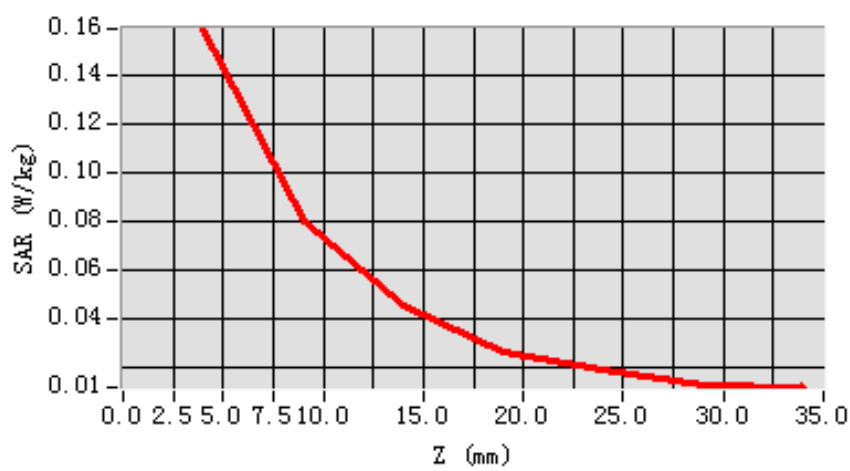
**Maximum location: X=8.00, Y=8.00**

<b>SAR 10g (W/Kg)</b>	0.082227
<b>SAR 1g (W/Kg)</b>	0.150389

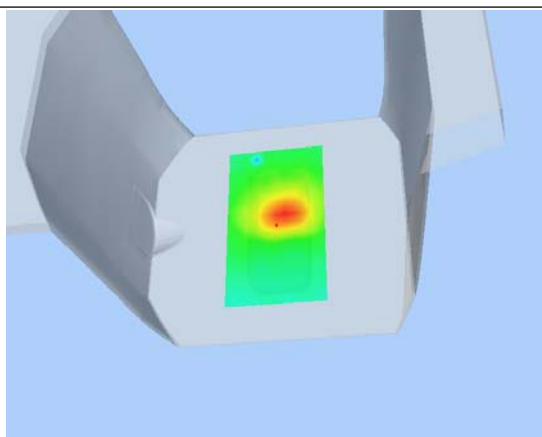
**Z Axis Scan**

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>0.1596</b>	<b>0.0800</b>	<b>0.0448</b>	<b>0.0264</b>	<b>0.0191</b>	<b>0.0122</b>

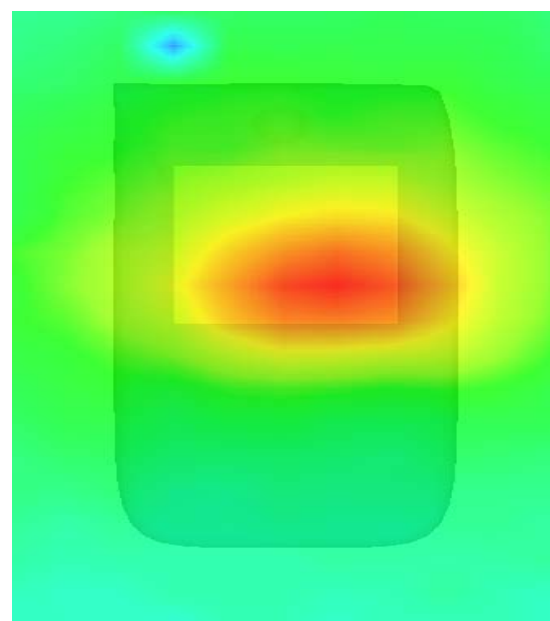
**SAR, Z Axis Scan (X = 8, Y = 8)**



**3D scen shot**



**Hot spot position**



# MEASUREMENT 6

Type: Phone measurement (Complete)

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

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

Date of measurement: 2013.7.9

Measurement duration: 13 minutes 11 seconds

## A. Experimental conditions.

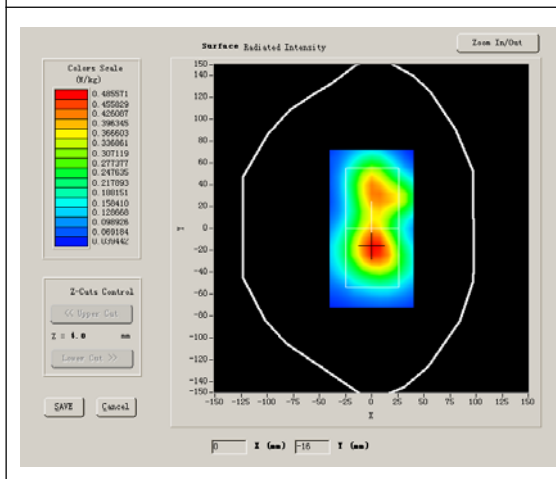
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM850
<b>Channels</b>	Middle
<b>Signal</b>	EDGE

## B. SAR Measurement Results

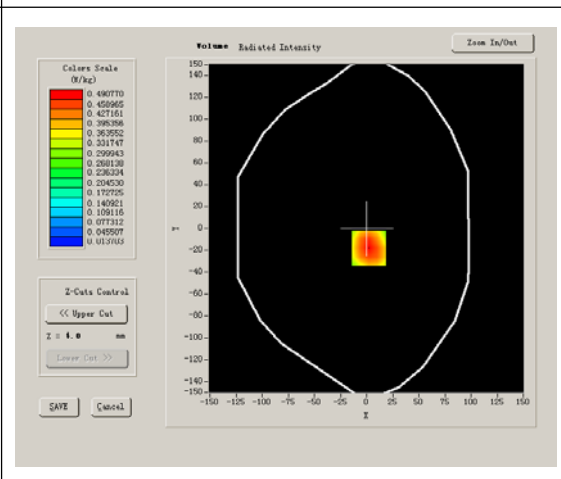
Middle Band SAR (Channel 190):

<b>Frequency (MHz)</b>	836.600000
<b>Relative permittivity (real part)</b>	55.140000
<b>Conductivity (S/m)</b>	0.960000
<b>Power drift (%)</b>	-0.170000
<b>Ambient Temperature:</b>	23.2°C
<b>Liquid Temperature:</b>	22.9°C
<b>ConvF:</b>	28.479,25.214,27.196
<b>Crest factor:</b>	1:2

### SURFACE SAR



### VOLUME SAR



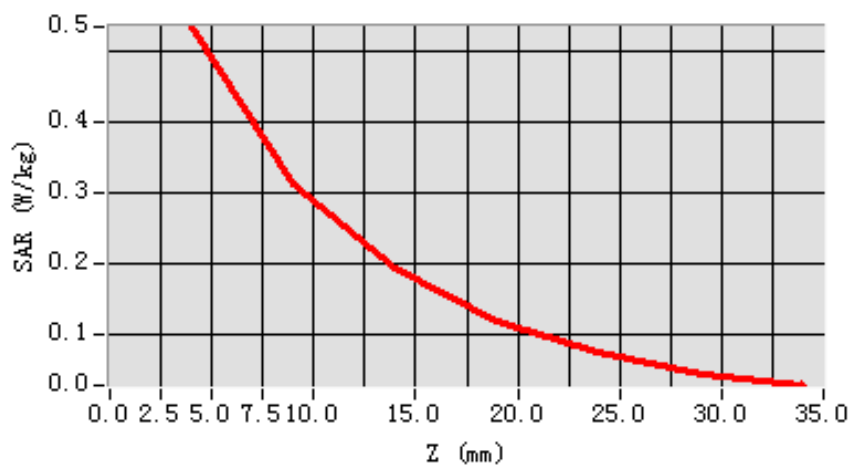
**Maximum location: X=2.00, Y=-18.00**

<b>SAR 10g (W/Kg)</b>	0.305548
<b>SAR 1g (W/Kg)</b>	0.510810

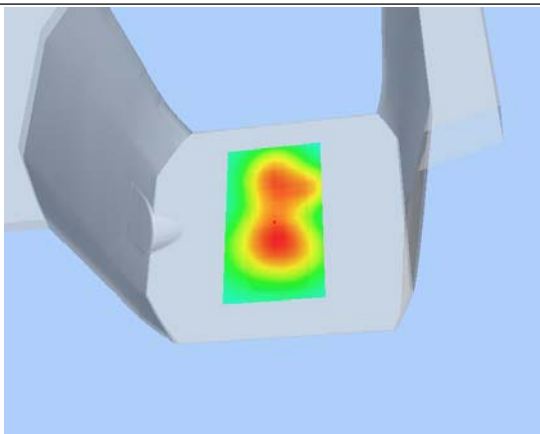
**Z Axis Scan**

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>0.5344</b>	<b>0.3124</b>	<b>0.1930</b>	<b>0.1161</b>	<b>0.0726</b>	<b>0.0417</b>

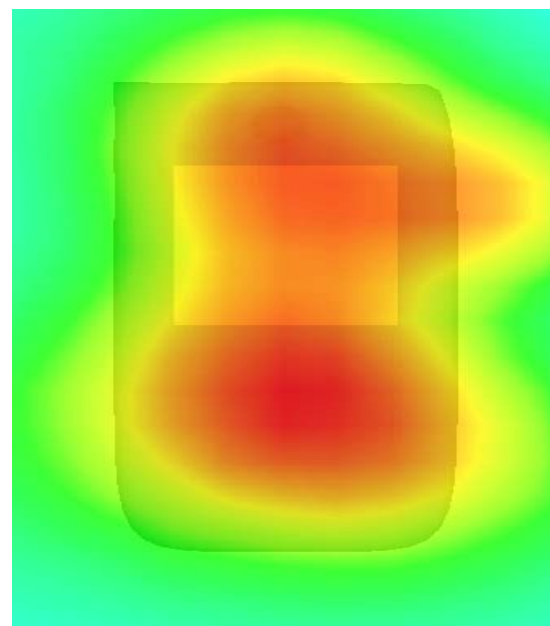
**SAR, Z Axis Scan (X = 2, Y = -18)**



**3D scen shot**



**Hot spot position**



# MEASUREMENT 7

Type: Phone measurement (Complete)

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

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

Date of measurement: 2013.7.11

Measurement duration: 13 minutes 11 seconds

## A. Experimental conditions.

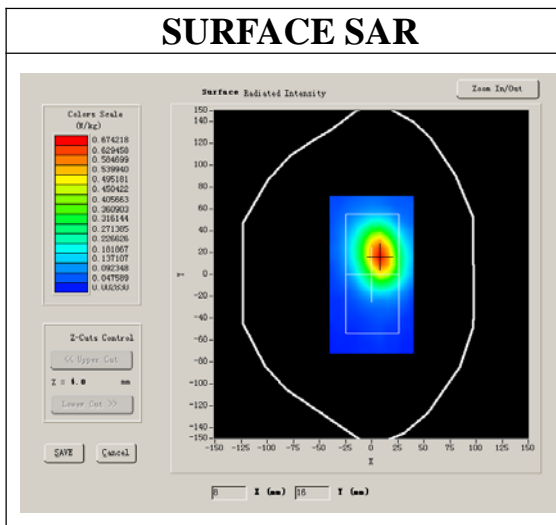
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	GSM1900
Channels	Low
Signal	GPRS

## B. SAR Measurement Results

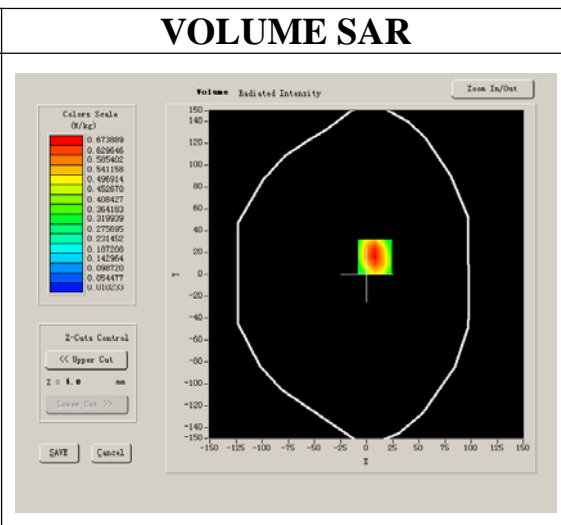
Lower Band SAR (Channel 512):

Frequency (MHz)	1850.200000
Relative permittivity (real part)	53.210000
Conductivity (S/m)	1.510000
Power drift (%)	-0.800000
Ambient Temperature:	23.2°C
Liquid Temperature:	22.6°C
ConvF:	40.625,34.773,38.535
Crest factor:	1:2

### SURFACE SAR



### VOLUME SAR



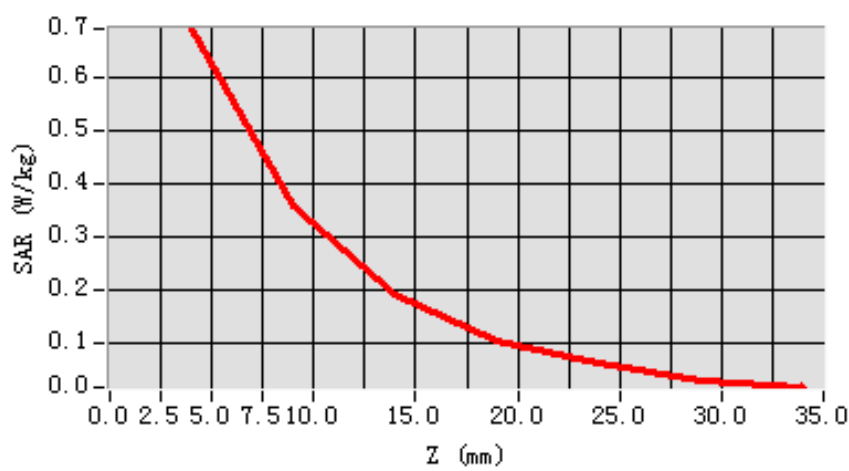
**Maximum location: X=8.00, Y=16.00**

<b>SAR 10g (W/Kg)</b>	0.354625
<b>SAR 1g (W/Kg)</b>	0.657596

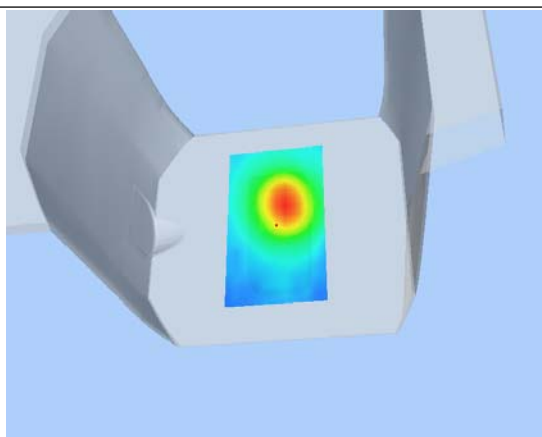
**Z Axis Scan**

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>0.6896</b>	<b>0.3573</b>	<b>0.1916</b>	<b>0.1048</b>	<b>0.0638</b>	<b>0.0309</b>

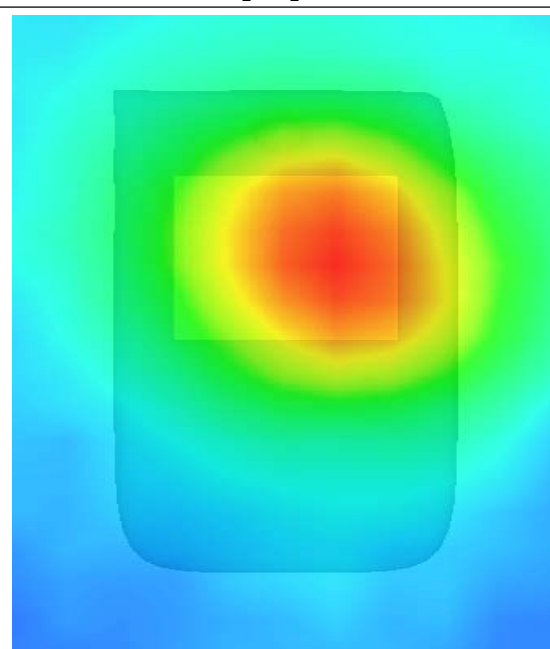
**SAR, Z Axis Scan (X = 8, Y = 16)**



**3D scen shot**



**Hot spot position**





## MEASUREMENT 8

Type: Phone measurement (Complete)

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

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

Date of measurement: 2013.7.11

Measurement duration: 13 minutes 7 seconds

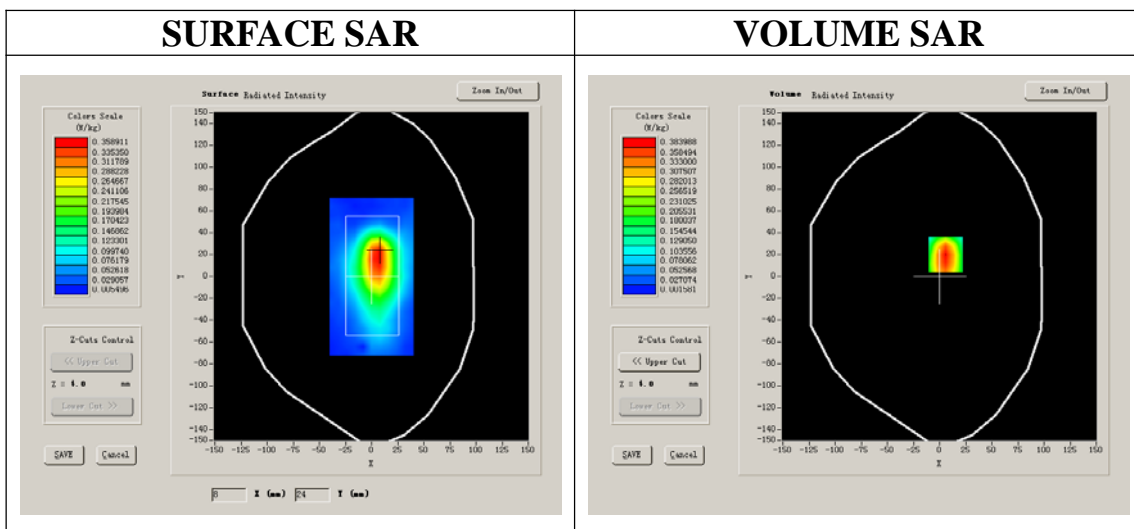
### A. Experimental conditions.

<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>	Low
<b>Signal</b>	GPRS

### B. SAR Measurement Results

Lower Band SAR (Channel 512):

<b>Frequency (MHz)</b>	1850.200000
<b>Relative permittivity (real part)</b>	53.210000
<b>Conductivity (S/m)</b>	1.510000
<b>Power drift (%)</b>	-0.680000
<b>Ambient Temperature:</b>	23.2°C
<b>Liquid Temperature:</b>	22.6°C
<b>ConvF:</b>	40.625,34.773,38.535
<b>Crest factor:</b>	1:2



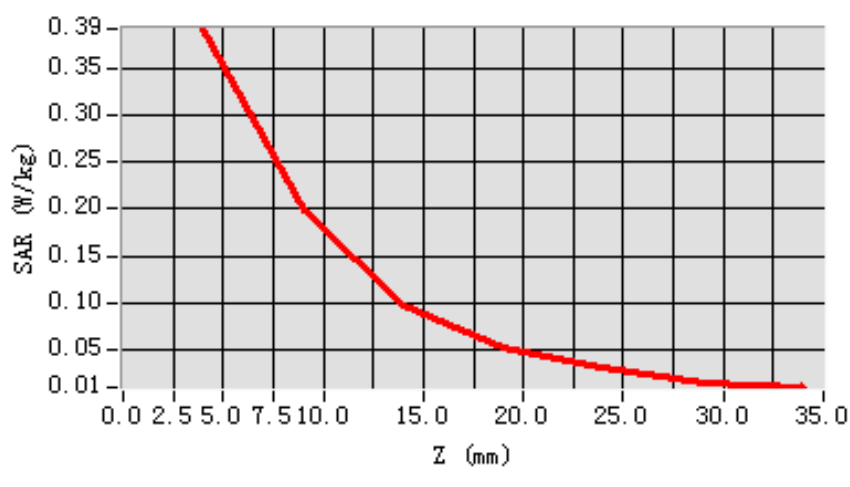
**Maximum location: X=6.00, Y=20.00**

<b>SAR 10g (W/Kg)</b>	0.196121
<b>SAR 1g (W/Kg)</b>	0.373159

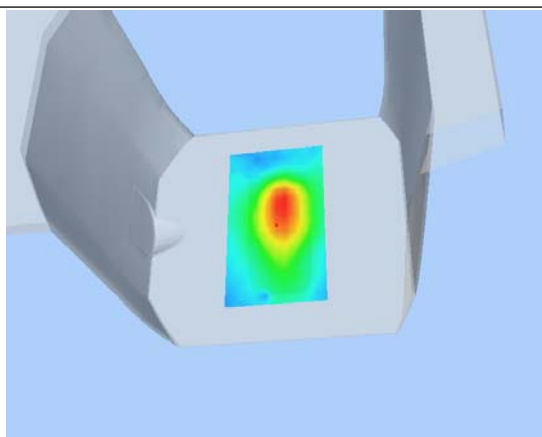
**Z Axis Scan**

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>0.3929</b>	<b>0.1976</b>	<b>0.0963</b>	<b>0.0513</b>	<b>0.0308</b>	<b>0.0149</b>

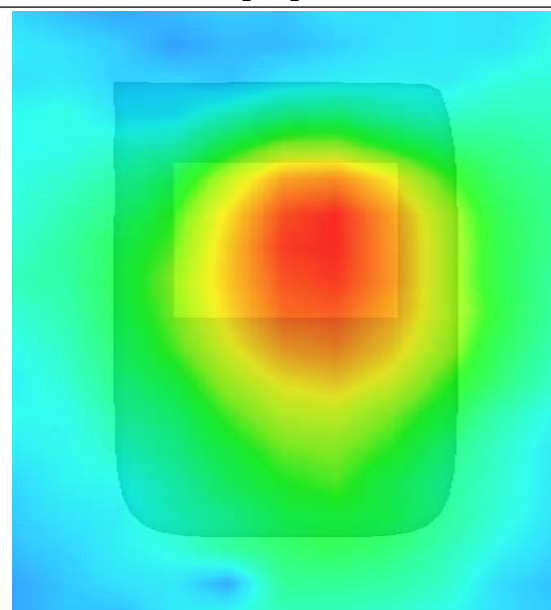
**SAR, Z Axis Scan (X = 6, Y = 20)**



**3D scen shot**



**Hot spot position**



## MEASUREMENT 9

Type: Phone measurement (Complete)

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

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

Date of measurement: 2013.7.11

Measurement duration: 13 minutes 7 seconds

### A. Experimental conditions.

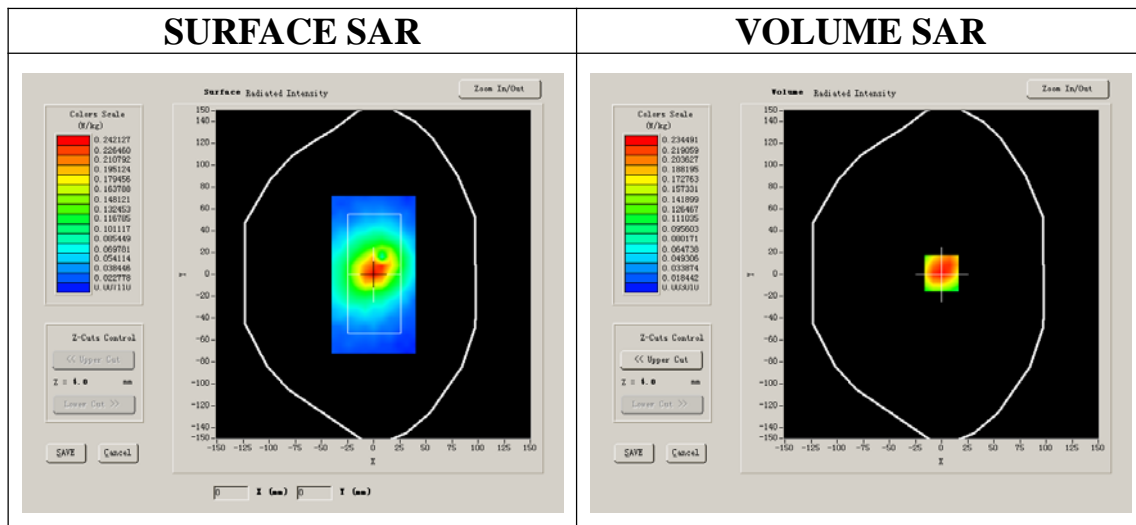
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM1900
<b>Channels</b>	Low
<b>Signal</b>	GPRS

### B. SAR Measurement Results

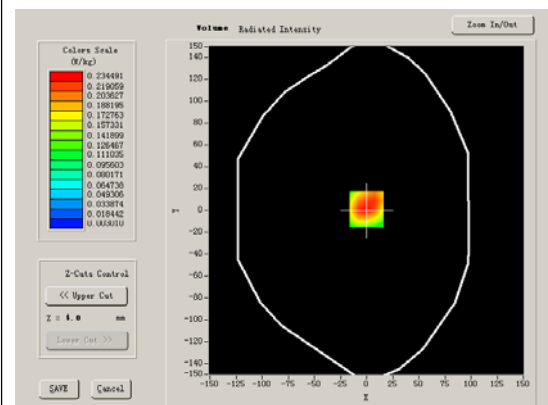
Lower Band SAR (Channel 512):

<b>Frequency (MHz)</b>	1850.200000
<b>Relative permittivity (real part)</b>	53.210000
<b>Conductivity (S/m)</b>	1.510000
<b>Power drift (%)</b>	-0.080000
<b>Ambient Temperature:</b>	23.2°C
<b>Liquid Temperature:</b>	22.6°C
<b>ConvF:</b>	40.625,34.773,38.535
<b>Crest factor:</b>	1:2

#### SURFACE SAR



#### VOLUME SAR



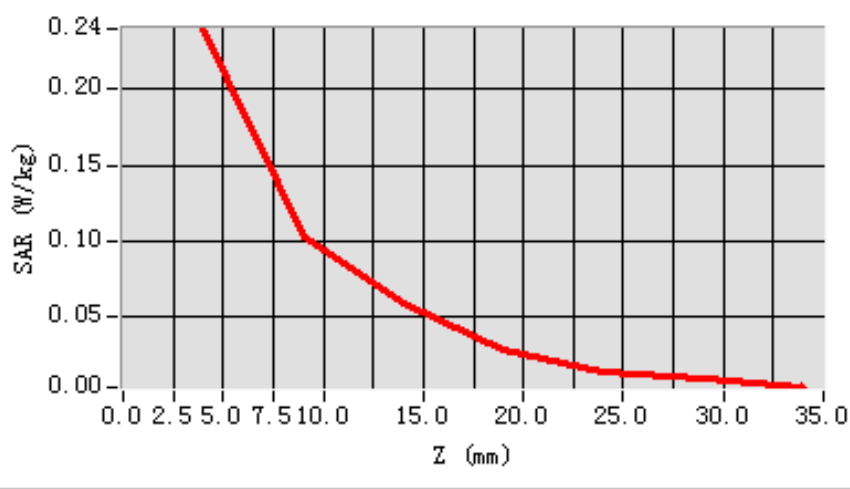
**Maximum location: X=0.00, Y=1.00**

<b>SAR 10g (W/Kg)</b>	0.123242
<b>SAR 1g (W/Kg)</b>	0.234841

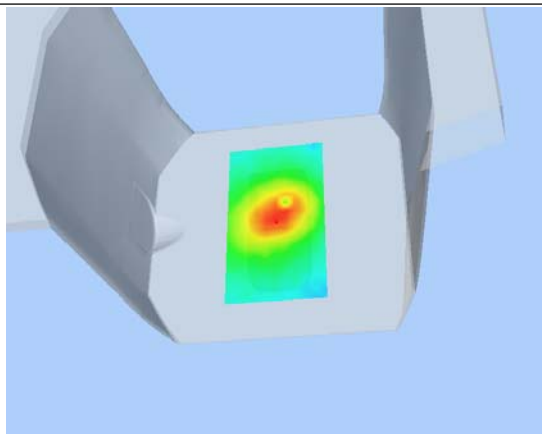
**Z Axis Scan**

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>0.2399</b>	<b>0.1025</b>	<b>0.0585</b>	<b>0.0283</b>	<b>0.0129</b>	<b>0.0086</b>

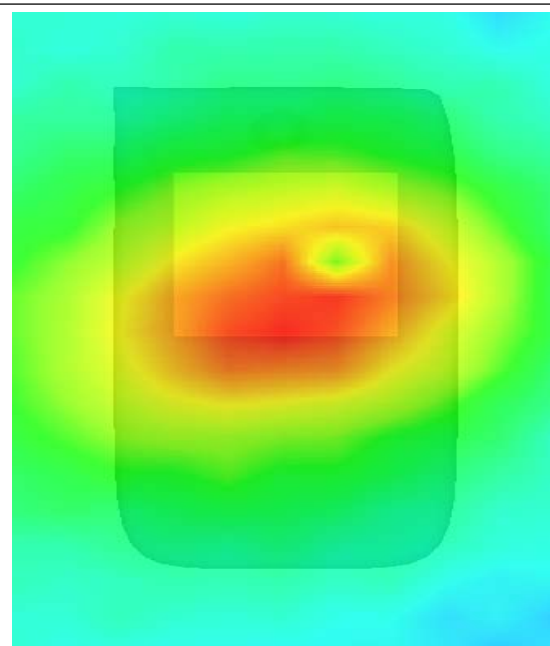
**SAR, Z Axis Scan (X = 0, Y = 1)**



**3D scen shot**



**Hot spot position**



# MEASUREMENT 10

Type: Phone measurement (Complete)

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

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

Date of measurement: 2013.7.11

Measurement duration: 13 minutes 7 seconds

## A. Experimental conditions.

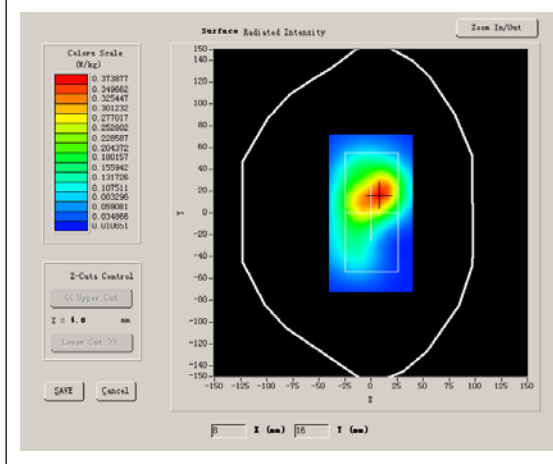
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	GSM1900
<b>Channels</b>	Low
<b>Signal</b>	GPRS

## B. SAR Measurement Results

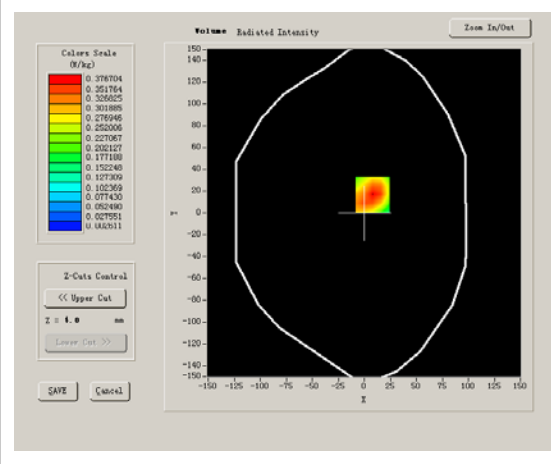
Lower Band SAR (Channel 512):

<b>Frequency (MHz)</b>	1850.200000
<b>Relative permittivity (real part)</b>	53.210000
<b>Conductivity (S/m)</b>	1.510000
<b>Power drift (%)</b>	-0.480000
<b>Ambient Temperature:</b>	23.2°C
<b>Liquid Temperature:</b>	22.6°C
<b>ConvF:</b>	40.625,34.773,38.535
<b>Crest factor:</b>	1:2

### SURFACE SAR



### VOLUME SAR



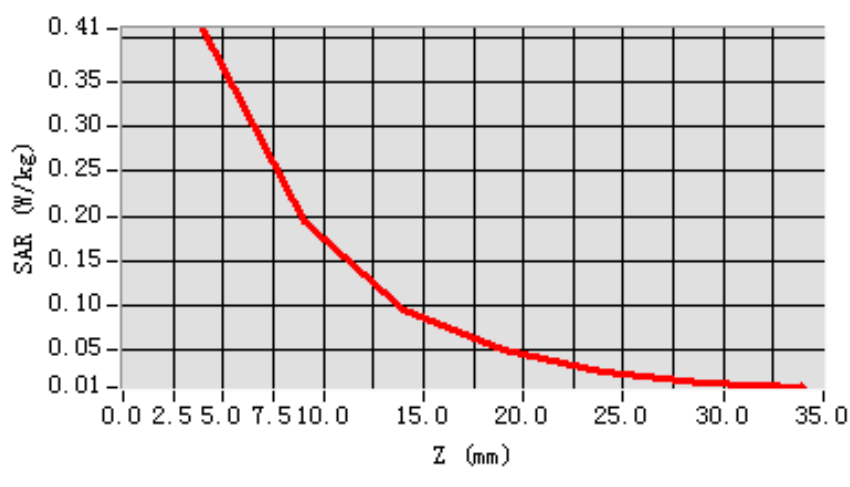
**Maximum location: X=8.00, Y=17.00**

<b>SAR 10g (W/Kg)</b>	0.205981
<b>SAR 1g (W/Kg)</b>	0.393367

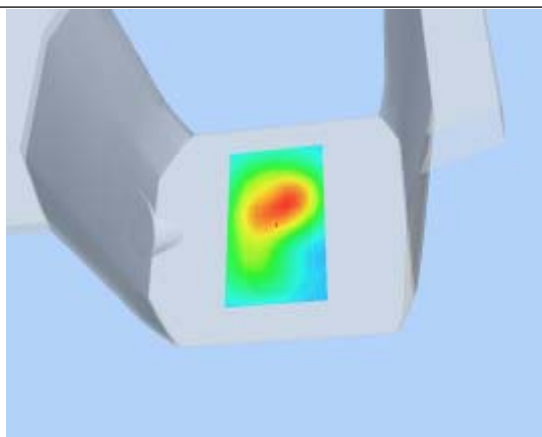
**Z Axis Scan**

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>0.4102</b>	<b>0.1936</b>	<b>0.0951</b>	<b>0.0496</b>	<b>0.0237</b>	<b>0.0126</b>

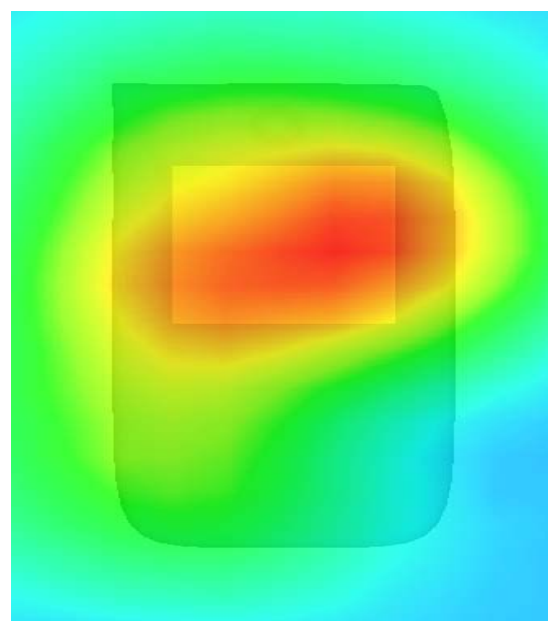
**SAR, Z Axis Scan (X = 8, Y = 17)**



**3D scen shot**



**Hot spot position**



# MEASUREMENT 11

Type: Phone measurement (Complete)

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

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

Date of measurement: 2013.7.11

Measurement duration: 13 minutes 7 seconds

## A. Experimental conditions.

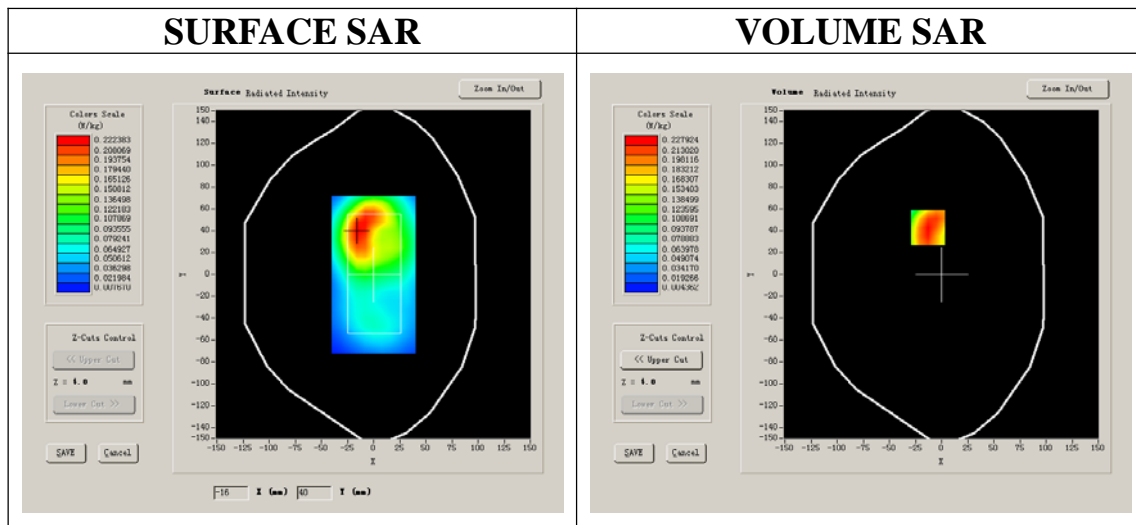
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	GSM1900
Channels	Low
Signal	GPRS

## B. SAR Measurement Results

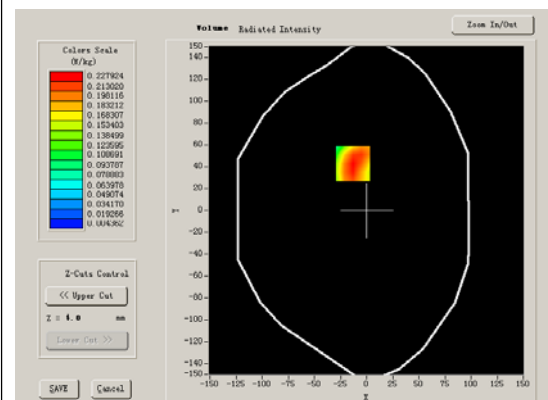
Lower Band SAR (Channel 512):

Frequency (MHz)	1850.200000
Relative permittivity (real part)	53.210000
Conductivity (S/m)	1.510000
Power drift (%)	-0.710000
Ambient Temperature:	23.2°C
Liquid Temperature:	22.6°C
ConvF:	40.625,34.773,38.535
Crest factor:	1:2

### SURFACE SAR



### VOLUME SAR



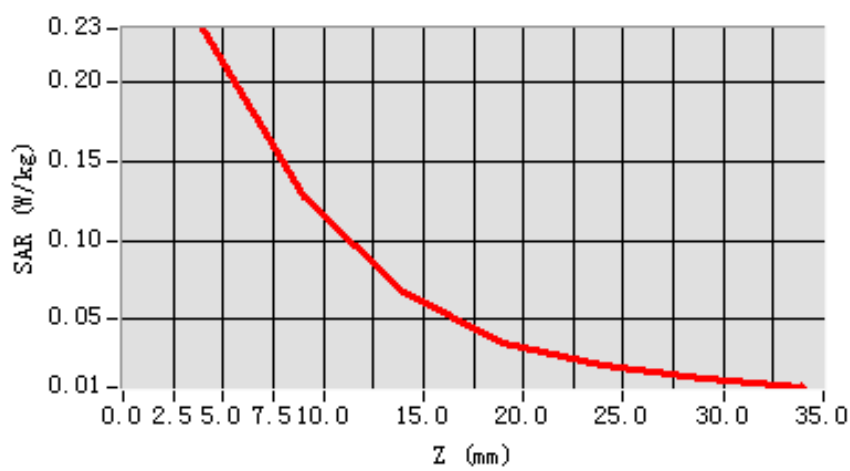
**Maximum location: X=-13.00, Y=43.00**

<b>SAR 10g (W/Kg)</b>	0.128250
<b>SAR 1g (W/Kg)</b>	0.209872

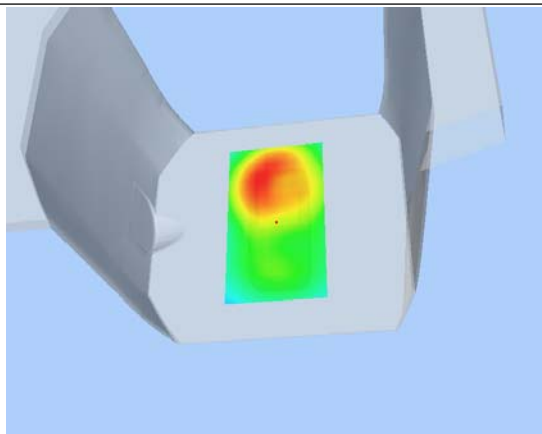
**Z Axis Scan**

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>0.2332</b>	<b>0.1275</b>	<b>0.0668</b>	<b>0.0356</b>	<b>0.0207</b>	<b>0.0126</b>

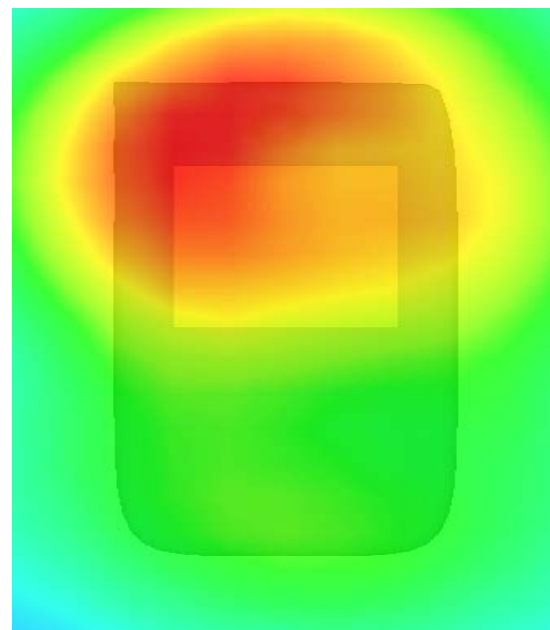
**SAR, Z Axis Scan (X = -13, Y = 43)**



**3D scen shot**



**Hot spot position**





## MEASUREMENT 12

Type: Phone measurement (Complete)

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

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

Date of measurement: 2013.7.11

Measurement duration: 13 minutes 11 seconds

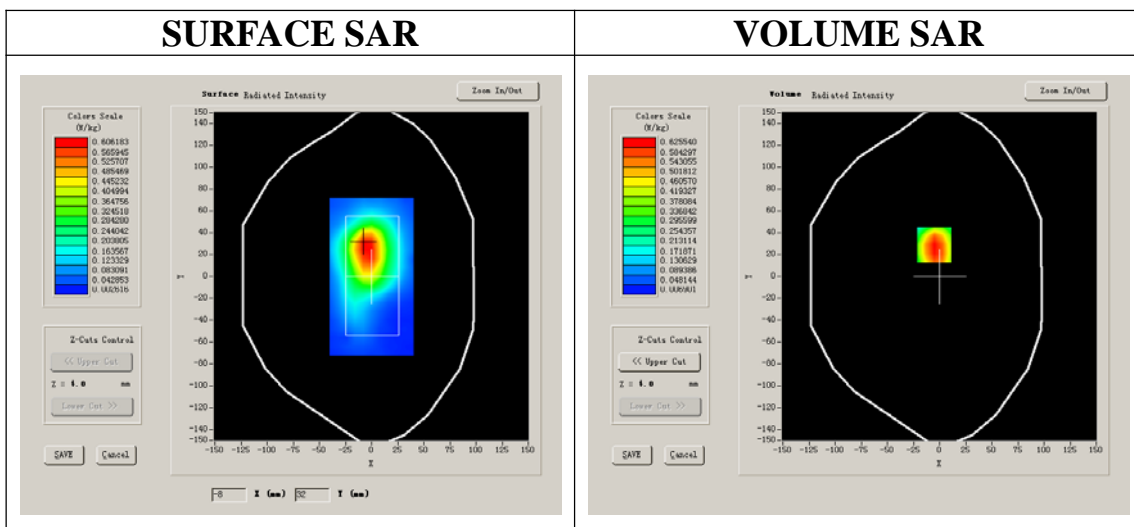
### A. Experimental conditions.

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

### B. SAR Measurement Results

Low Band SAR (Channel 512):

<b>Frequency (MHz)</b>	1850.200000
<b>Relative permittivity (real part)</b>	53.210000
<b>Conductivity (S/m)</b>	1.510000
<b>Power drift (%)</b>	-0.800000
<b>Ambient Temperature:</b>	23.2°C
<b>Liquid Temperature:</b>	22.6°C
<b>ConvF:</b>	40.625,34.773,38.535
<b>Crest factor:</b>	1:2



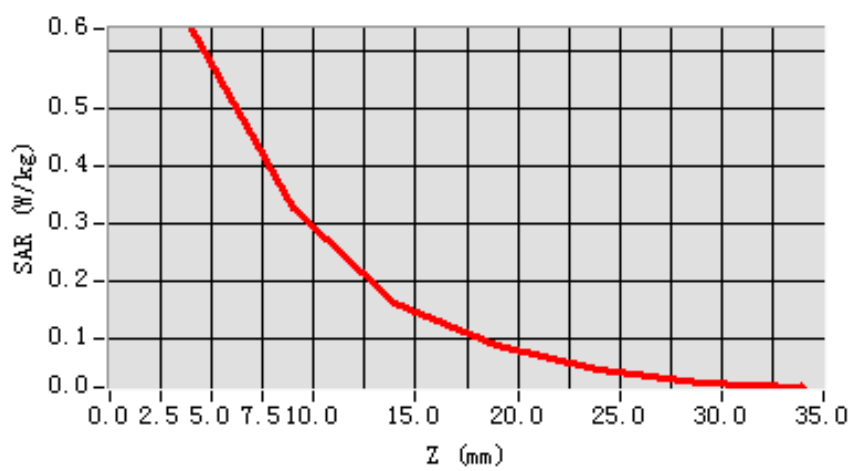
**Maximum location: X=-5.00, Y=29.00**

<b>SAR 10g (W/Kg)</b>	0.334355
<b>SAR 1g (W/Kg)</b>	0.614279

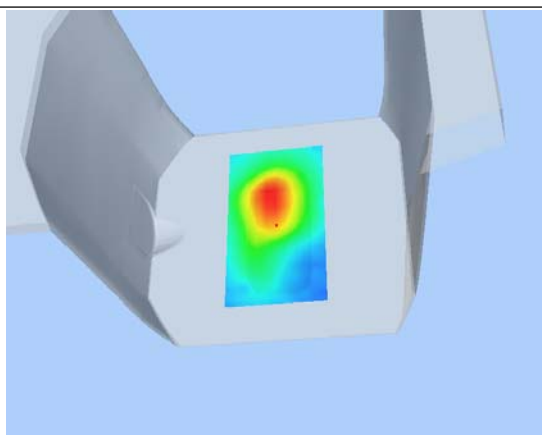
**Z Axis Scan**

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>0.6401</b>	<b>0.3299</b>	<b>0.1626</b>	<b>0.0881</b>	<b>0.0483</b>	<b>0.0239</b>

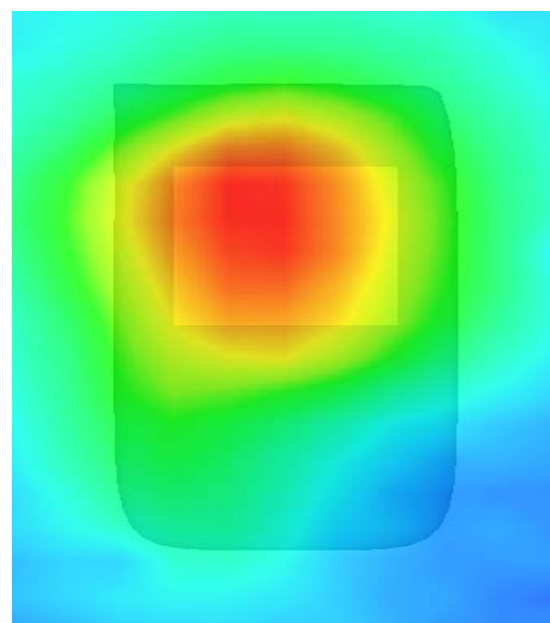
**SAR, Z Axis Scan (X = -5, Y = 29)**



**3D scen shot**



**Hot spot position**



# MEASUREMENT 13

Type: Phone measurement (Complete)

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

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

Date of measurement: 2013.7.9

Measurement duration: 13 minutes 9 seconds

## A. Experimental conditions.

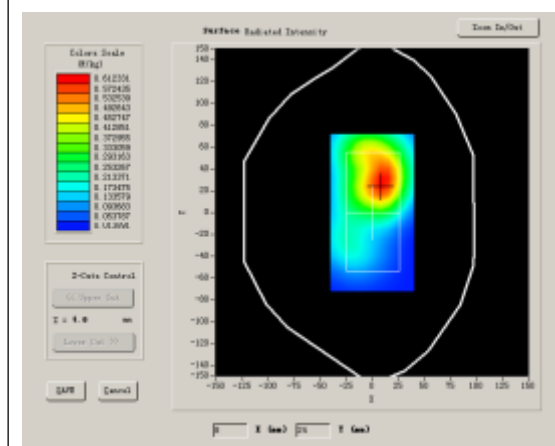
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA850
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

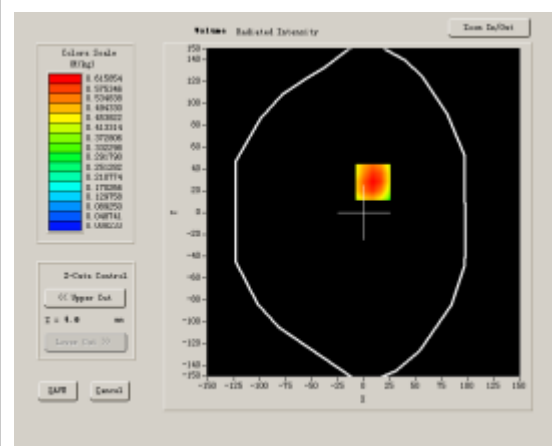
Middle Band SAR (Channel 4175):

<b>Frequency (MHz)</b>	835.000000
<b>Relative permittivity (real part)</b>	55.140000
<b>Conductivity (S/m)</b>	0.960000
<b>Power drift (%)</b>	-0.920000
<b>Ambient Temperature:</b>	23.2°C
<b>Liquid Temperature:</b>	22.6°C
<b>ConvF:</b>	28.479,25.214,27.196
<b>Crest factor:</b>	1:1

### SURFACE SAR



### VOLUME SAR



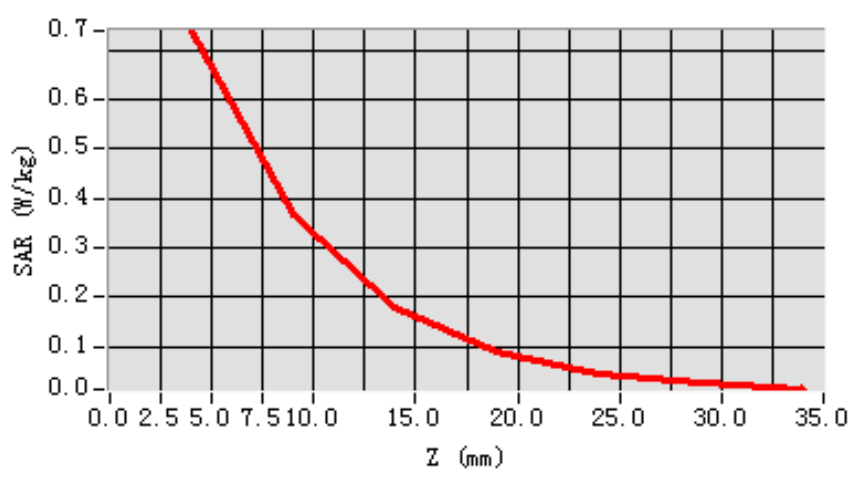
**Maximum location: X=9.00, Y=28.00**

<b>SAR 10g (W/Kg)</b>	0.386303
<b>SAR 1g (W/Kg)</b>	0.711126

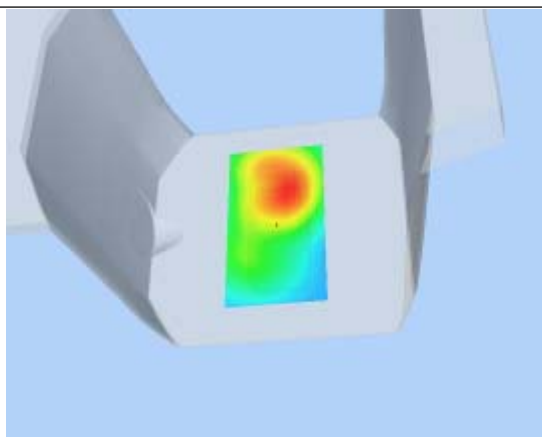
**Z Axis Scan**

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>0.7391</b>	<b>0.3675</b>	<b>0.1807</b>	<b>0.0904</b>	<b>0.0456</b>	<b>0.0252</b>

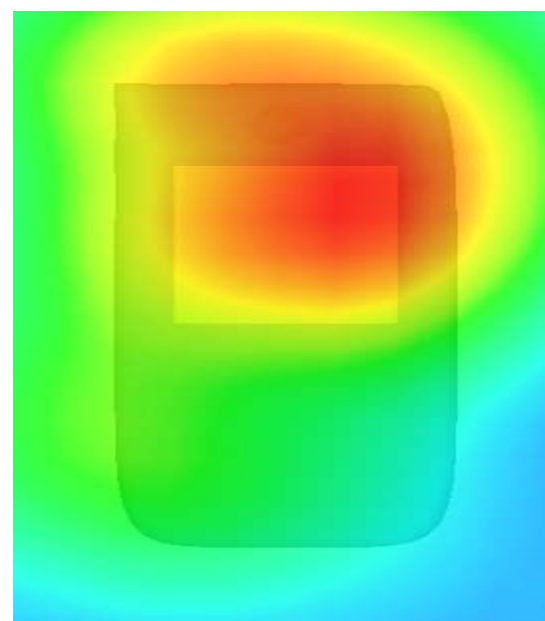
**SAR, Z Axis Scan (X = 9, Y = 28)**



**3D scen shot**



**Hot spot position**



# MEASUREMENT 14

Type: Phone measurement (Complete)

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

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

Date of measurement: 2013.7.9

Measurement duration: 13 minutes 7 seconds

## A. Experimental conditions.

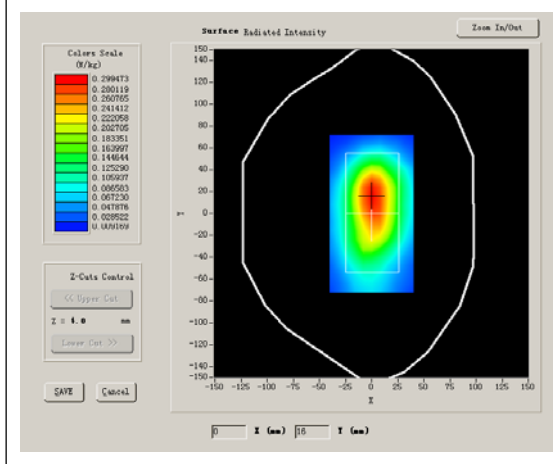
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA850
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

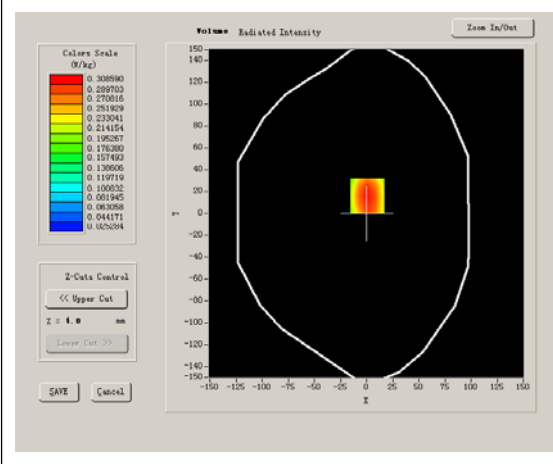
Middle Band SAR (Channel 4175):

<b>Frequency (MHz)</b>	835.000000
<b>Relative permittivity (real part)</b>	55.140000
<b>Conductivity (S/m)</b>	0.960000
<b>Power drift (%)</b>	-1.070000
<b>Ambient Temperature:</b>	23.2°C
<b>Liquid Temperature:</b>	22.6°C
<b>ConvF:</b>	28.479,25.214,27.196
<b>Crest factor:</b>	1:1

### SURFACE SAR



### VOLUME SAR



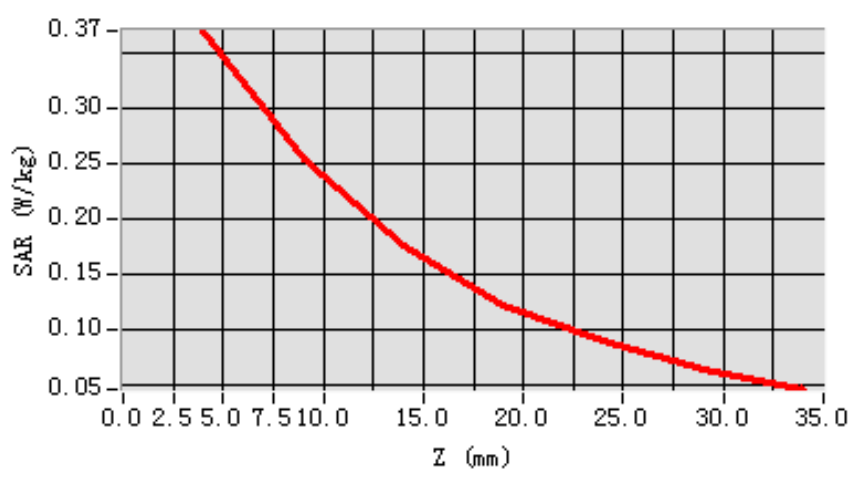
**Maximum location: X=1.00, Y=16.00**

<b>SAR 10g (W/Kg)</b>	0.240080
<b>SAR 1g (W/Kg)</b>	0.355925

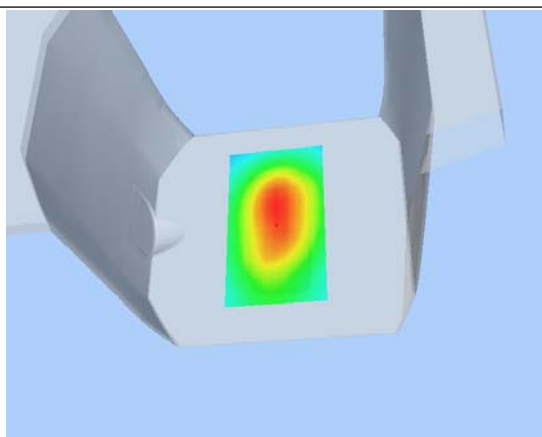
**Z Axis Scan**

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>0.3703</b>	<b>0.2551</b>	<b>0.1764</b>	<b>0.1226</b>	<b>0.0901</b>	<b>0.0647</b>

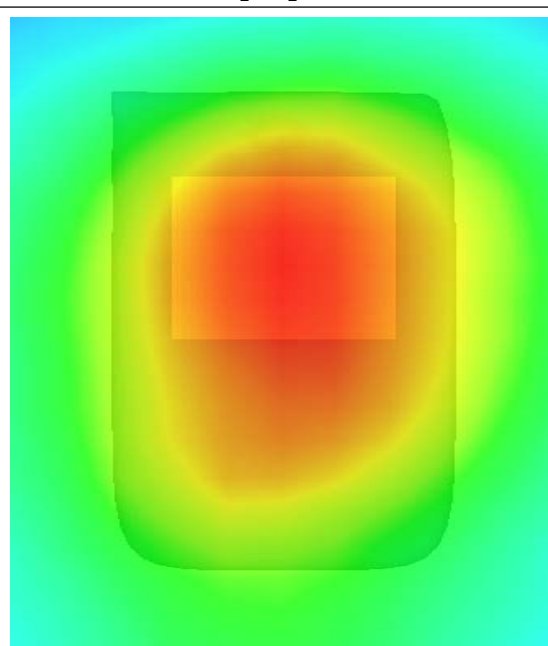
**SAR, Z Axis Scan (X = 1, Y = 16)**



**3D scen shot**



**Hot spot position**



# MEASUREMENT 15

Type: Phone measurement (Complete)

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

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

Date of measurement: 2013.7.9

Measurement duration: 13 minutes 15 seconds

## A. Experimental conditions.

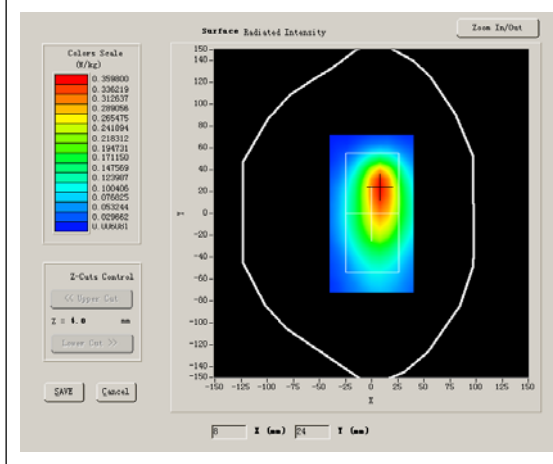
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA850
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

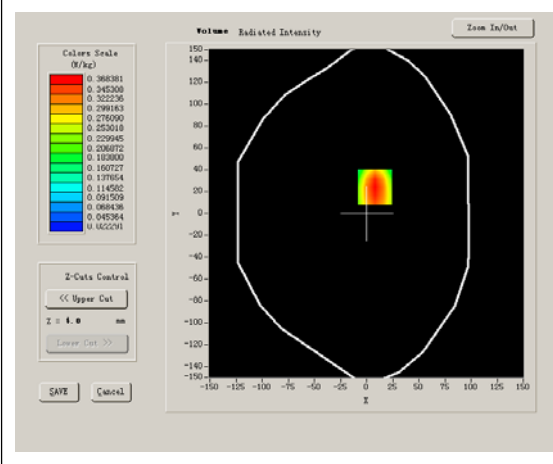
Middle Band SAR (Channel 4175):

<b>Frequency (MHz)</b>	835.000000
<b>Relative permittivity (real part)</b>	55.140000
<b>Conductivity (S/m)</b>	0.960000
<b>Power drift (%)</b>	-0.460000
<b>Ambient Temperature:</b>	23.2°C
<b>Liquid Temperature:</b>	22.6°C
<b>ConvF:</b>	28.479,25.214,27.196
<b>Crest factor:</b>	1:1

### SURFACE SAR



### VOLUME SAR



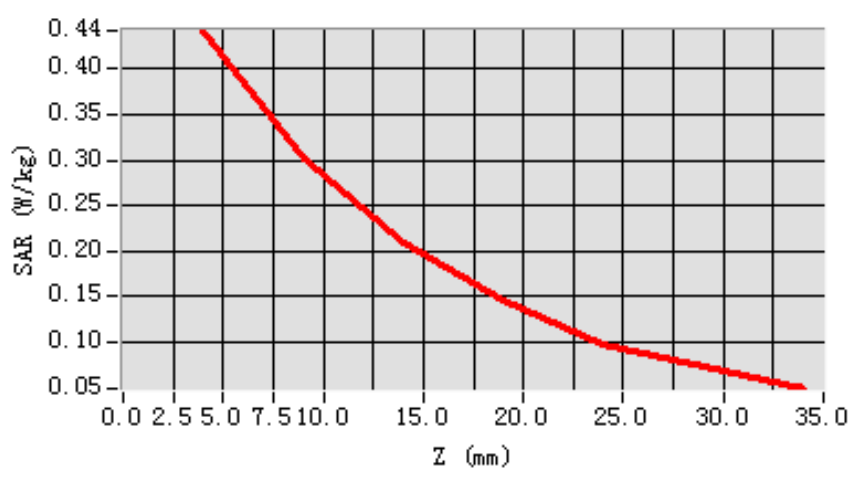
**Maximum location: X=8.00, Y=24.00**

<b>SAR 10g (W/Kg)</b>	0.276753
<b>SAR 1g (W/Kg)</b>	0.419291

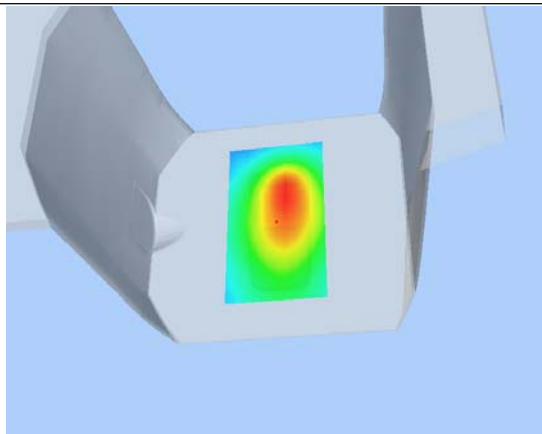
**Z Axis Scan**

<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>0.4421</b>	<b>0.3007</b>	<b>0.2095</b>	<b>0.1459</b>	<b>0.0981</b>	<b>0.0735</b>

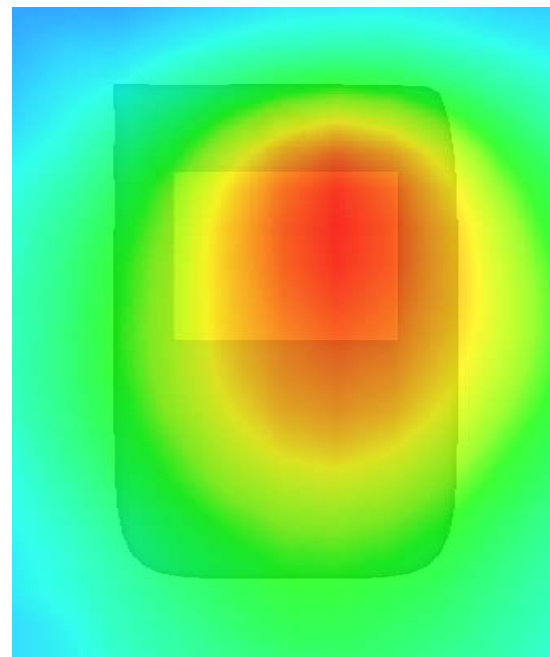
**SAR, Z Axis Scan (X = 8, Y = 24)**



**3D scene shot**



**Hot spot position**





# MEASUREMENT 16

Type: Phone measurement (Complete)

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

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

Date of measurement: 2013.7.9

Measurement duration: 13 minutes 4 seconds

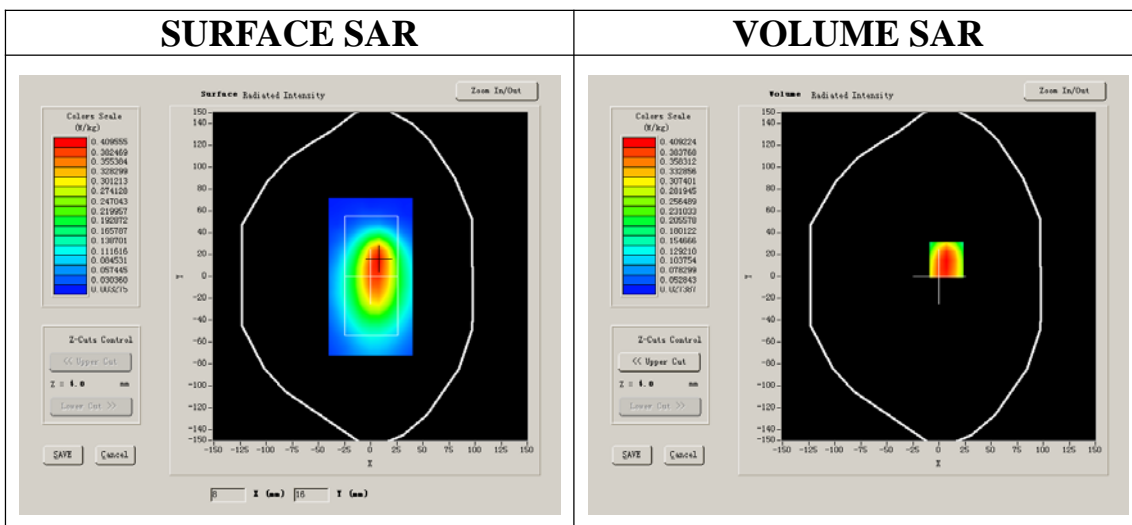
## A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	WCDMA850
Channels	Middle
Signal	CDMA

## B. SAR Measurement Results

Middle Band SAR (Channel 4175):

Frequency (MHz)	835.000000
Relative permittivity (real part)	55.140000
Conductivity (S/m)	0.960000
Power drift (%)	-0.420000
Ambient Temperature:	23.2°C
Liquid Temperature:	22.6°C
ConvF:	28.479,25.214,27.196
Crest factor:	1:1



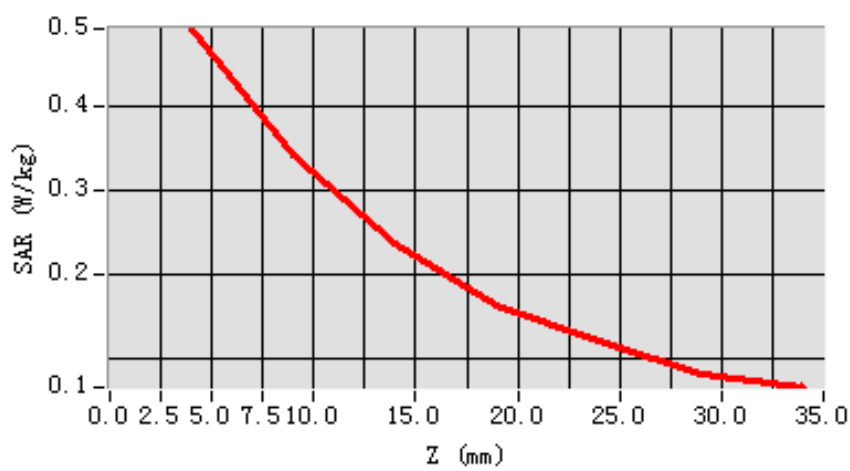
**Maximum location: X=7.00, Y=15.00**

<b>SAR 10g (W/Kg)</b>	0.315208
<b>SAR 1g (W/Kg)</b>	0.470475

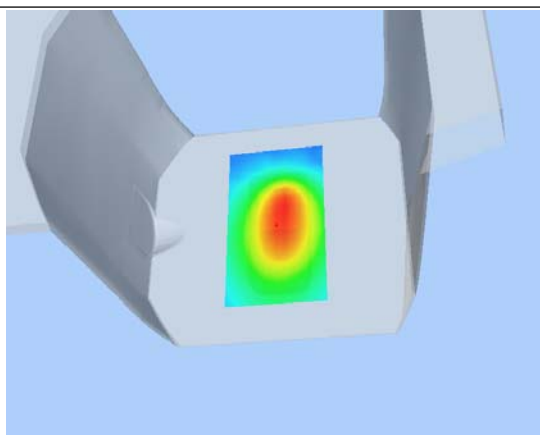
**Z Axis Scan**

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>0.4911</b>	<b>0.3407</b>	<b>0.2361</b>	<b>0.1621</b>	<b>0.1201</b>	<b>0.0824</b>

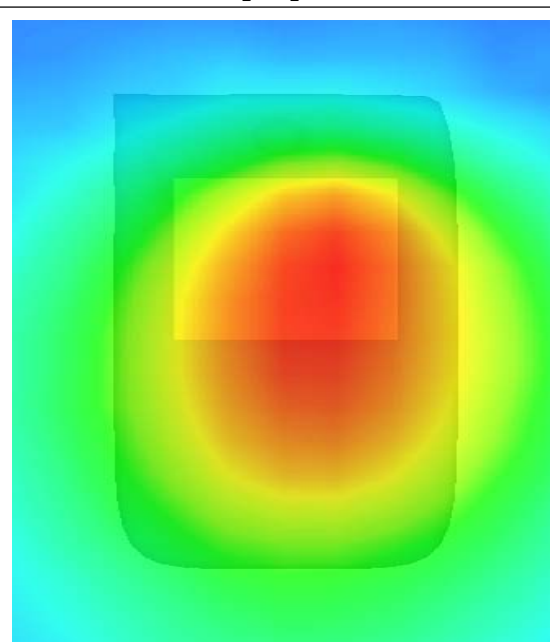
**SAR, Z Axis Scan (X = 7, Y = 15)**



**3D scen shot**



**Hot spot position**



# MEASUREMENT 17

Type: Phone measurement (Complete)

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

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

Date of measurement: 2013.7.9

Measurement duration: 13 minutes 4 seconds

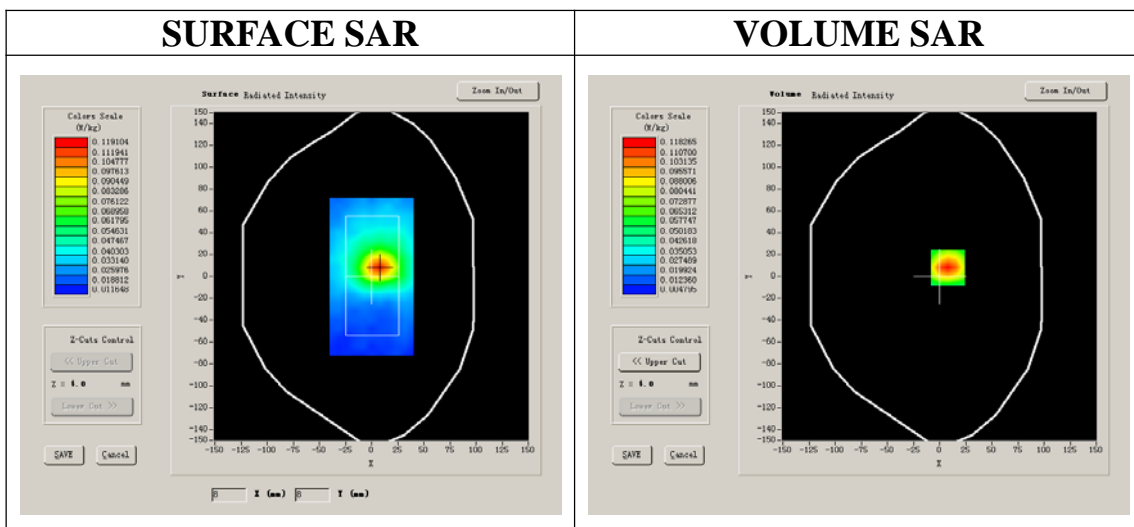
## A. Experimental conditions.

<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Flat Plane
<b>Device Position</b>	Body
<b>Band</b>	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>	55.140000
<b>Conductivity (S/m)</b>	0.960000
<b>Power drift (%)</b>	-0.250000
<b>Ambient Temperature:</b>	23.2°C
<b>Liquid Temperature:</b>	22.6°C
<b>ConvF:</b>	28.479,25.214,27.196
<b>Crest factor:</b>	1:1



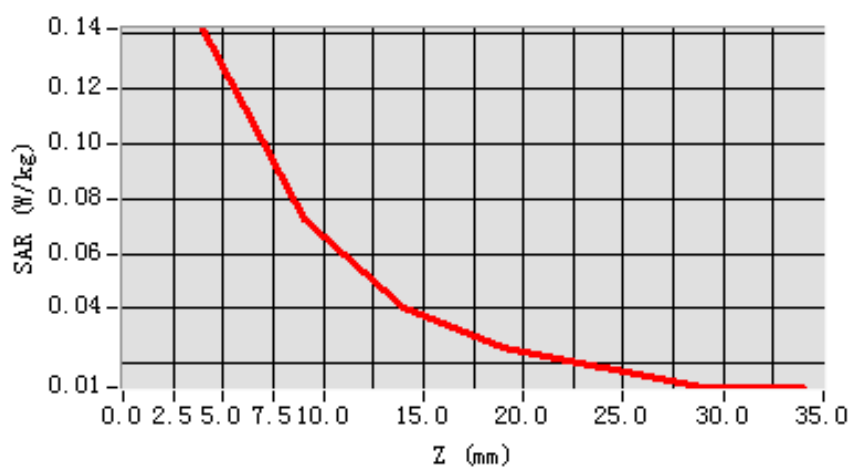
**Maximum location: X=8.00, Y=8.00**

<b>SAR 10g (W/Kg)</b>	0.074386
<b>SAR 1g (W/Kg)</b>	0.134987

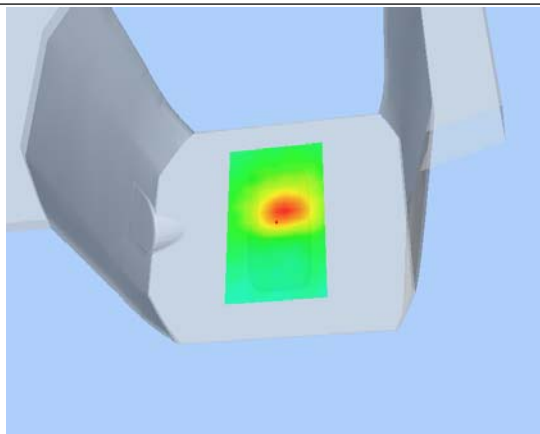
**Z Axis Scan**

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>0.1419</b>	<b>0.0723</b>	<b>0.0400</b>	<b>0.0256</b>	<b>0.0185</b>	<b>0.0113</b>

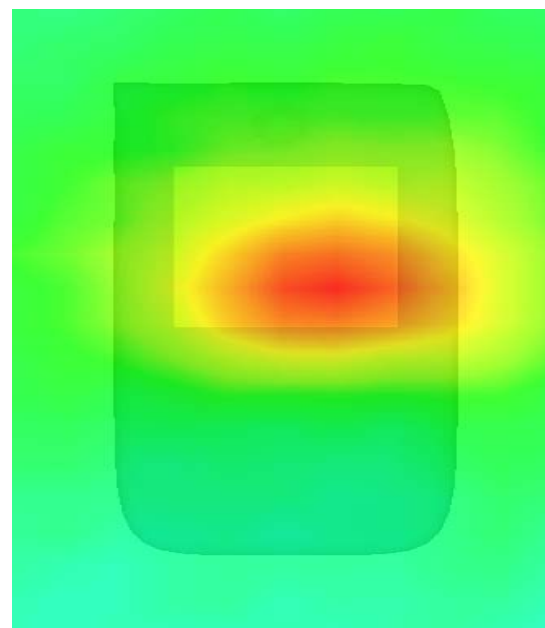
**SAR, Z Axis Scan (X = 8, Y = 8)**



**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: 2013.7.10

Measurement duration: 9 minutes 7 seconds

## A. Experimental conditions.

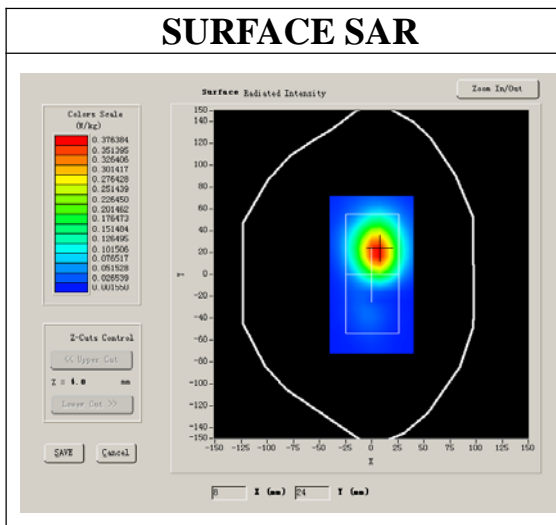
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1700
<b>Channels</b>	Low
<b>Signal</b>	CDMA

## B. SAR Measurement Results

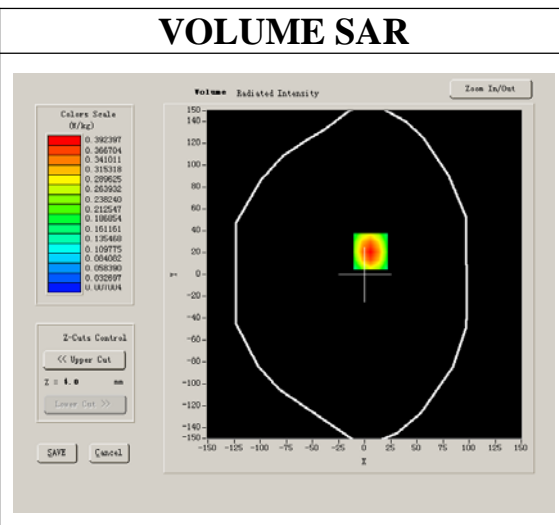
Lower Band SAR (Channel 1312):

<b>Frequency (MHz)</b>	1712.400000
<b>Relative permittivity (real part)</b>	53.510000
<b>Conductivity (S/m)</b>	1.470000
<b>Power drift (%)</b>	-0.360000
<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



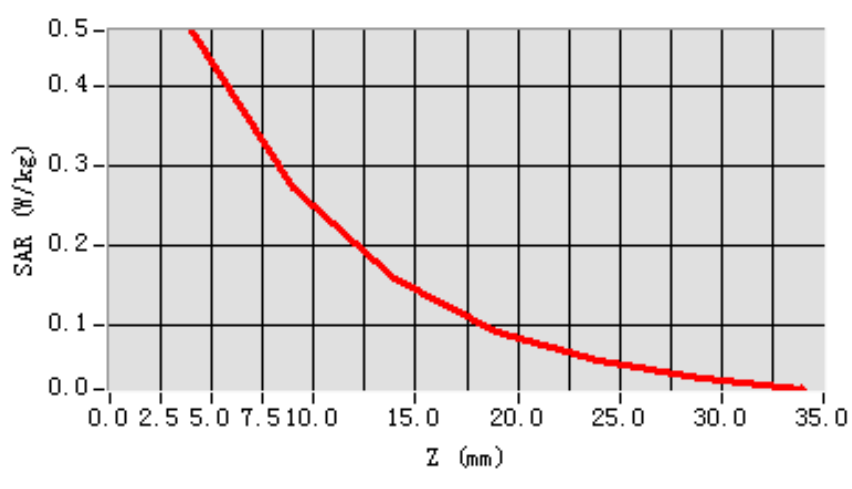
Maximum location: X=6.00, Y=21.00

SAR 10g (W/Kg)	0.250292
SAR 1g (W/Kg)	0.444450

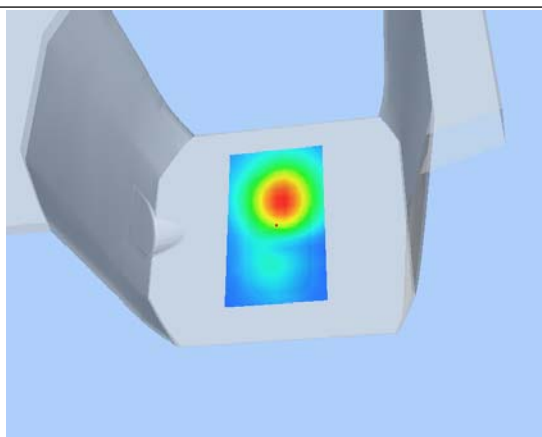
**Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.4709	0.2717	0.1586	0.0908	0.0533	0.0314

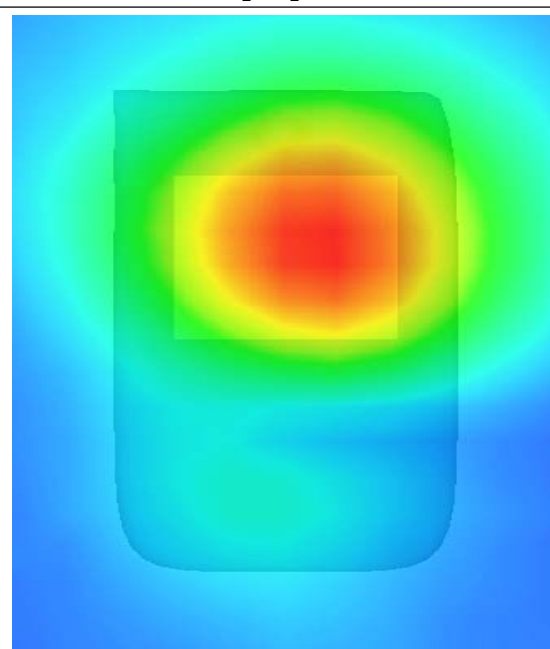
SAR, Z Axis Scan (X = 6, Y = 21)



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: 2013.7.10

Measurement duration: 9 minutes 14 seconds

### A. Experimental conditions.

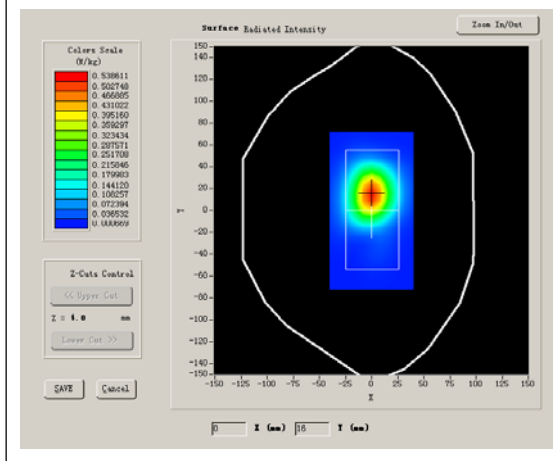
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1700
<b>Channels</b>	Low
<b>Signal</b>	CDMA

### B. SAR Measurement Results

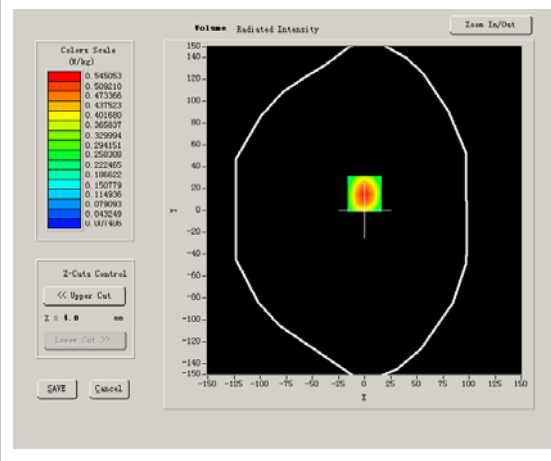
Lower Band SAR (Channel 1312):

<b>Frequency (MHz)</b>	1712.400000
<b>Relative permittivity (real part)</b>	53.510000
<b>Conductivity (S/m)</b>	1.470000
<b>Power drift (%)</b>	-0.080000
<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



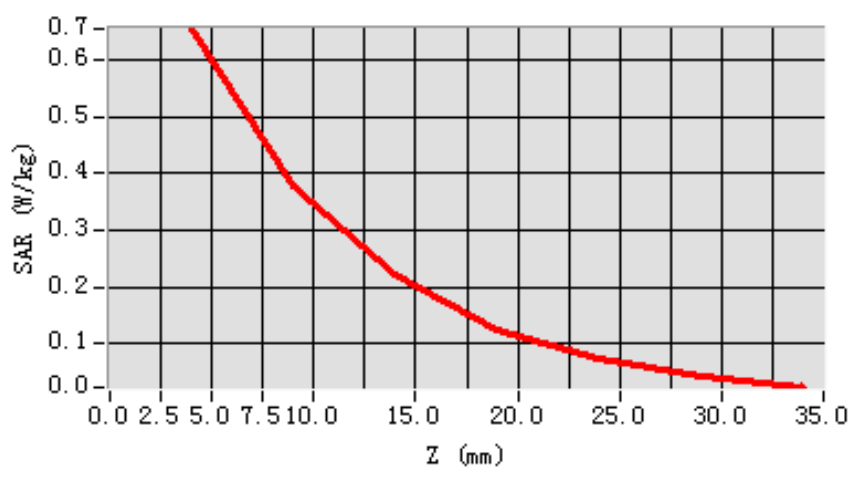
**Maximum location: X=0.00, Y=15.00**

<b>SAR 10g (W/Kg)</b>	0.344896
<b>SAR 1g (W/Kg)</b>	0.616462

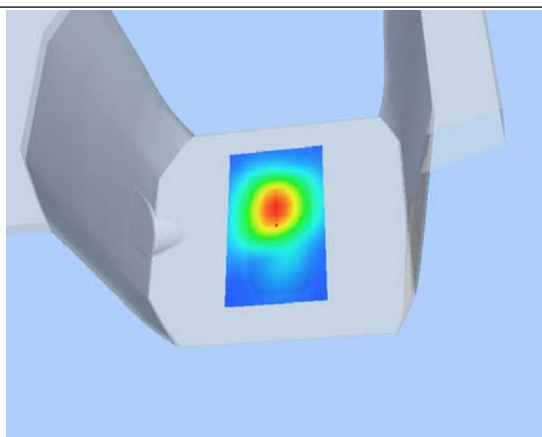
**Z Axis Scan**

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>0.6541</b>	<b>0.3787</b>	<b>0.2200</b>	<b>0.1253</b>	<b>0.0729</b>	<b>0.0418</b>

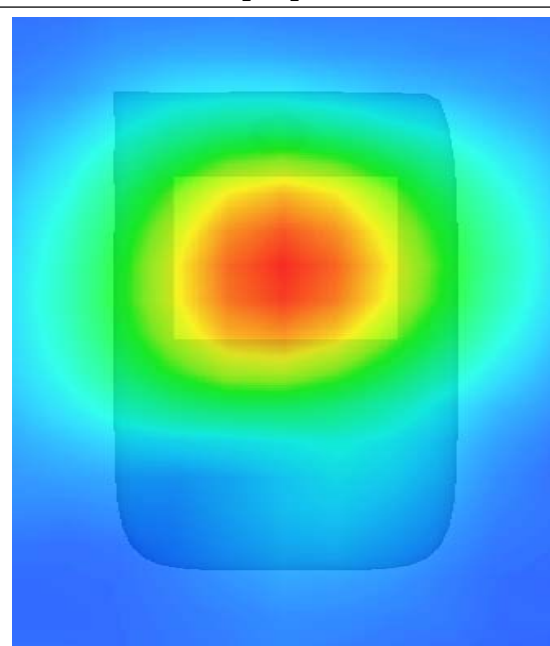
**SAR, Z Axis Scan (X = 0, Y = 15)**



**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: 2013.7.10

Measurement duration: 9 minutes 14 seconds

### A. Experimental conditions.

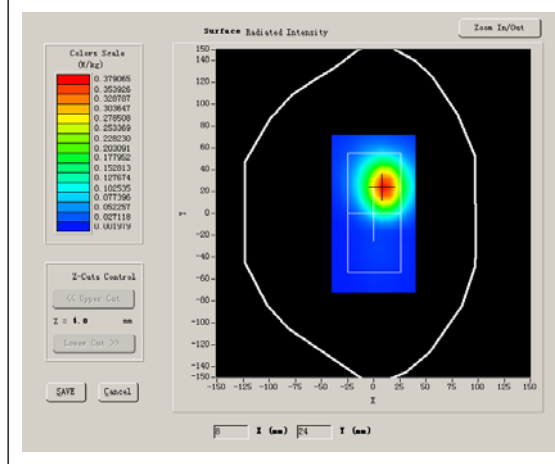
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1700
<b>Channels</b>	Low
<b>Signal</b>	CDMA

### B. SAR Measurement Results

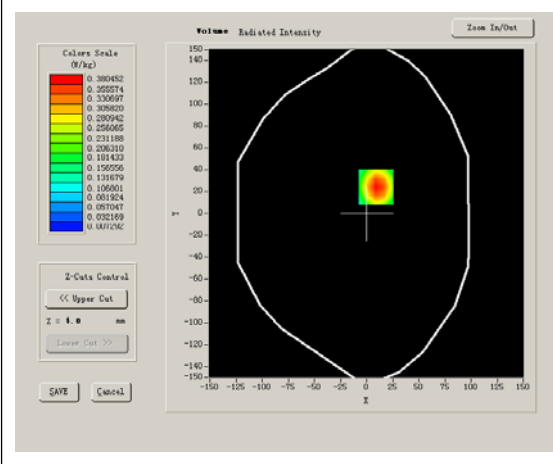
Lower Band SAR (Channel 1312):

<b>Frequency (MHz)</b>	1712.400000
<b>Relative permittivity (real part)</b>	53.510000
<b>Conductivity (S/m)</b>	1.470000
<b>Power drift (%)</b>	-0.320000
<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



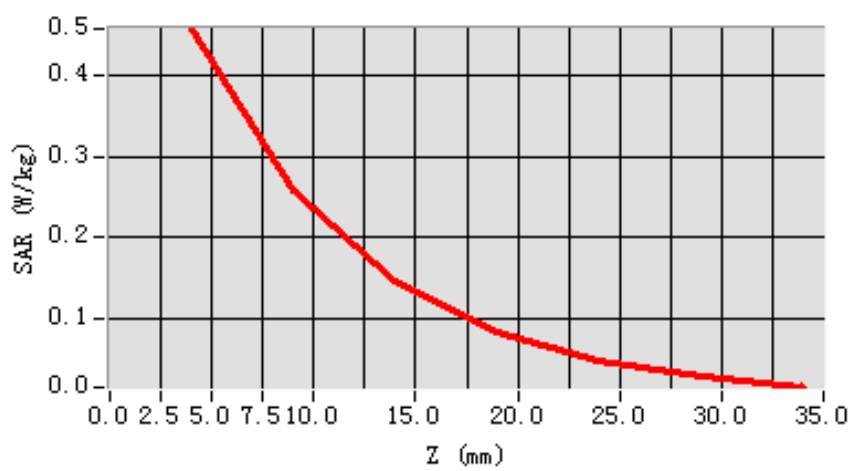
**Maximum location: X=9.00, Y=24.00**

<b>SAR 10g (W/Kg)</b>	0.241442
<b>SAR 1g (W/Kg)</b>	0.433543

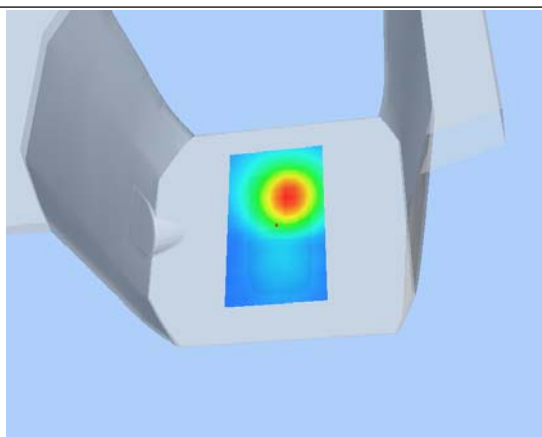
**Z Axis Scan**

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>0.4566</b>	<b>0.2591</b>	<b>0.1475</b>	<b>0.0839</b>	<b>0.0496</b>	<b>0.0287</b>

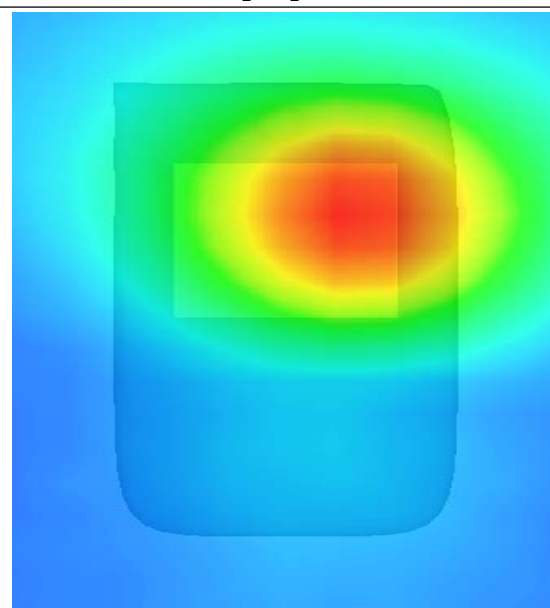
**SAR, Z Axis Scan (X = 9, Y = 24)**



**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: 2013.7.10

Measurement duration: 9 minutes 14 seconds

## A. Experimental conditions.

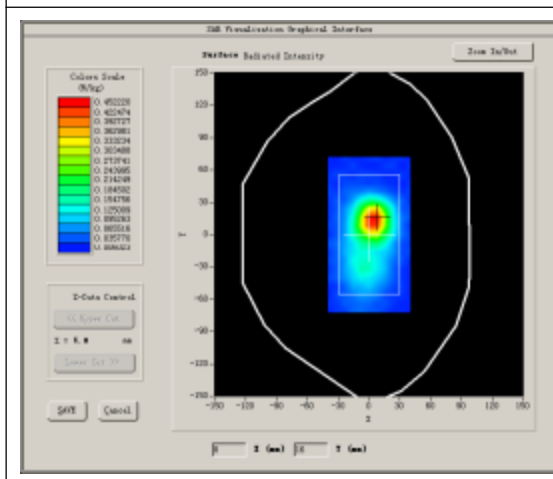
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1700
<b>Channels</b>	Low
<b>Signal</b>	CDMA

## B. SAR Measurement Results

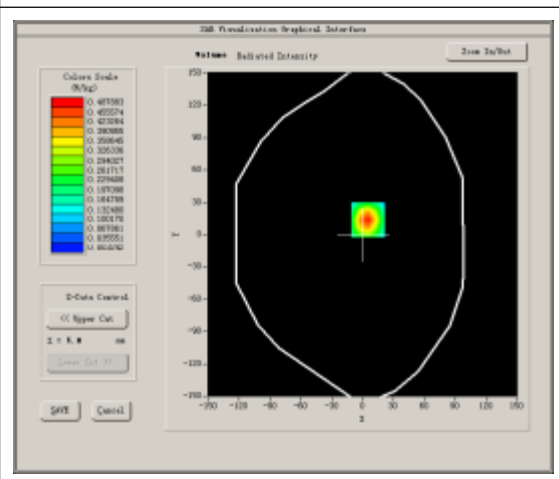
Lower Band SAR (Channel 1312):

<b>Frequency (MHz)</b>	1712.400000
<b>Relative permittivity (real part)</b>	53.510000
<b>Conductivity (S/m)</b>	1.470000
<b>Power drift (%)</b>	-0.710000
<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**



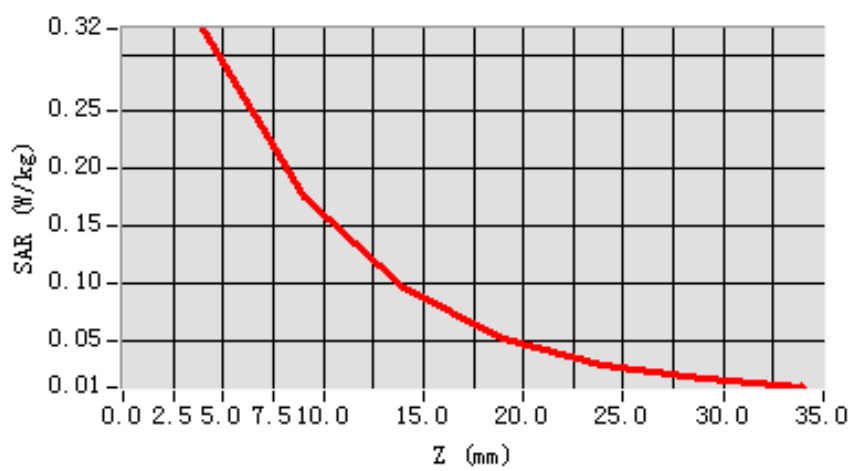
**Maximum location: X=2.00, Y=10.00**

<b>SAR 10g (W/Kg)</b>	0.168151
<b>SAR 1g (W/Kg)</b>	0.305396

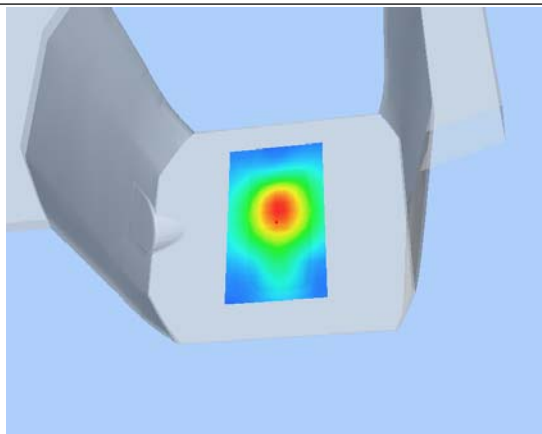
**Z Axis Scan**

<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>0.3222</b>	<b>0.1757</b>	<b>0.0969</b>	<b>0.0531</b>	<b>0.0296</b>	<b>0.0172</b>

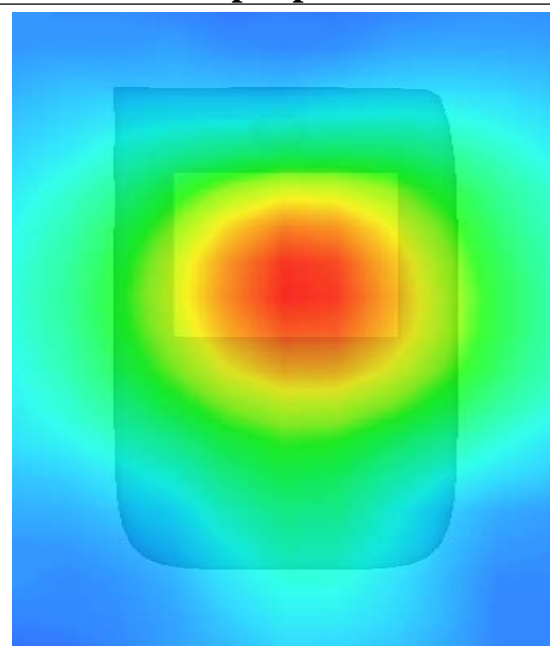
**SAR, Z Axis Scan (X = 2, Y = 10)**



**3D scen 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: 2013.7.10

Measurement duration: 9 minutes 14 seconds

### A. Experimental conditions.

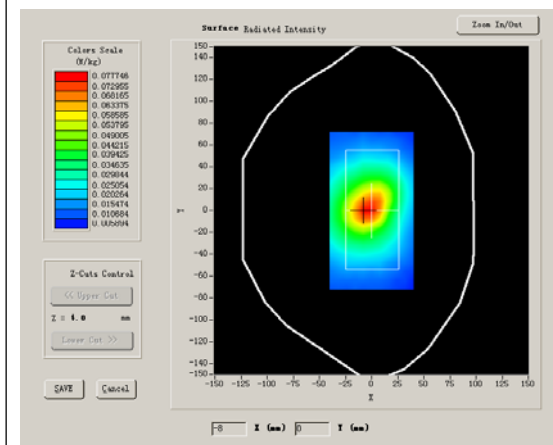
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1700
<b>Channels</b>	Low
<b>Signal</b>	CDMA

### B. SAR Measurement Results

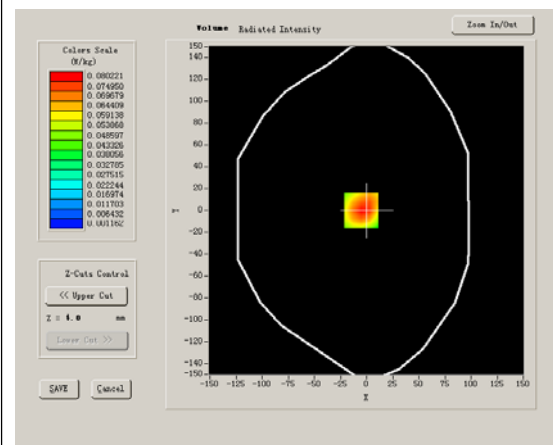
Lower Band SAR (Channel 1312):

<b>Frequency (MHz)</b>	1712.400000
<b>Relative permittivity (real part)</b>	53.510000
<b>Conductivity (S/m)</b>	1.470000
<b>Power drift (%)</b>	-0.650000
<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



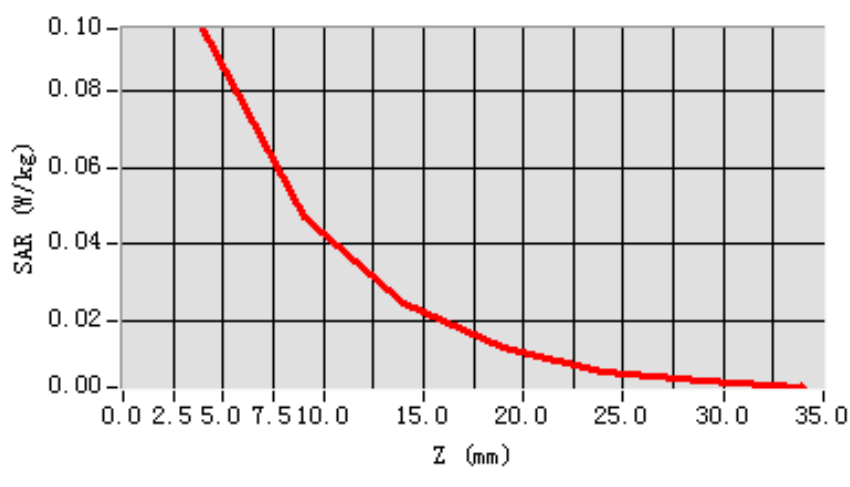
**Maximum location: X=-5.00, Y=0.00**

<b>SAR 10g (W/Kg)</b>	0.050930
<b>SAR 1g (W/Kg)</b>	0.093437

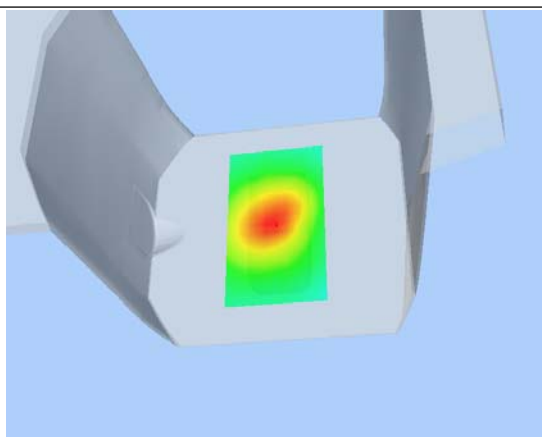
**Z Axis Scan**

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>0.0963</b>	<b>0.0471</b>	<b>0.0244</b>	<b>0.0128</b>	<b>0.0068</b>	<b>0.0043</b>

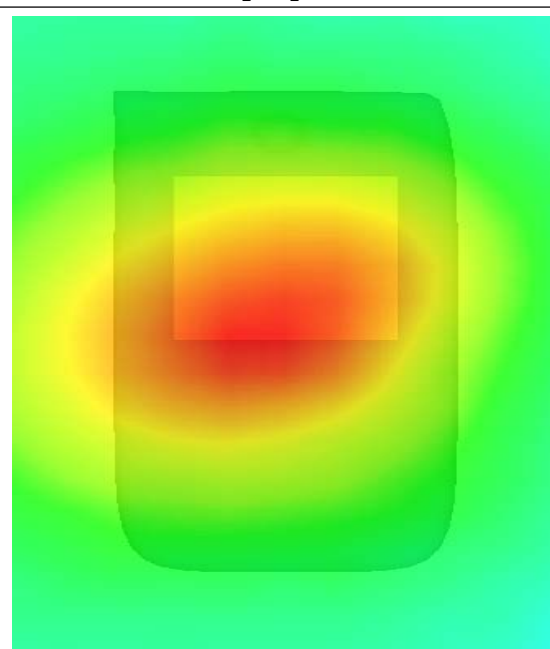
**SAR, Z Axis Scan (X = -5, Y = 0)**



**3D scen 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: 2013.7.11

Measurement duration: 9 minutes 7 seconds

### A. Experimental conditions.

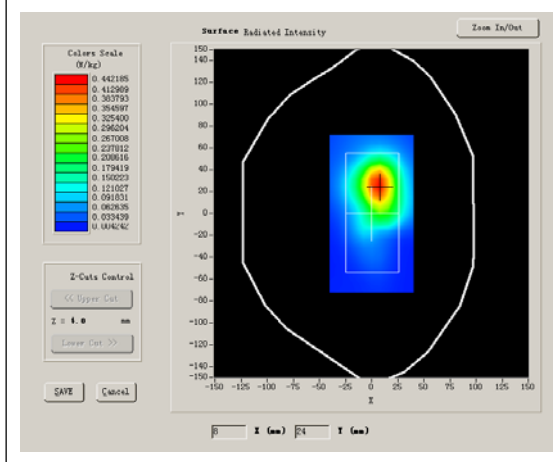
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1900
<b>Channels</b>	Low
<b>Signal</b>	CDMA

### B. SAR Measurement Results

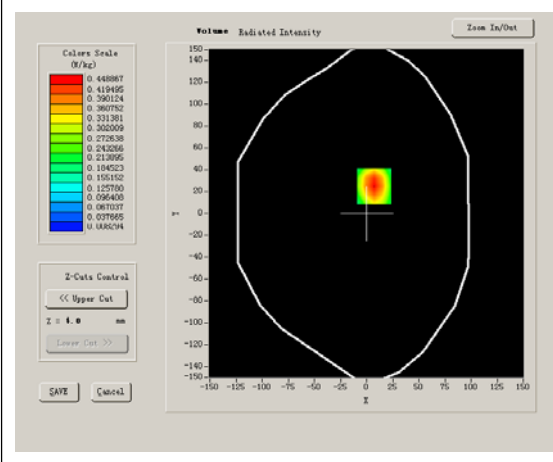
Lower Band SAR (Channel 9262):

<b>Frequency (MHz)</b>	1852.400000
<b>Relative permittivity (real part)</b>	53.210000
<b>Conductivity (S/m)</b>	1.510000
<b>Power drift (%)</b>	-0.360000
<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



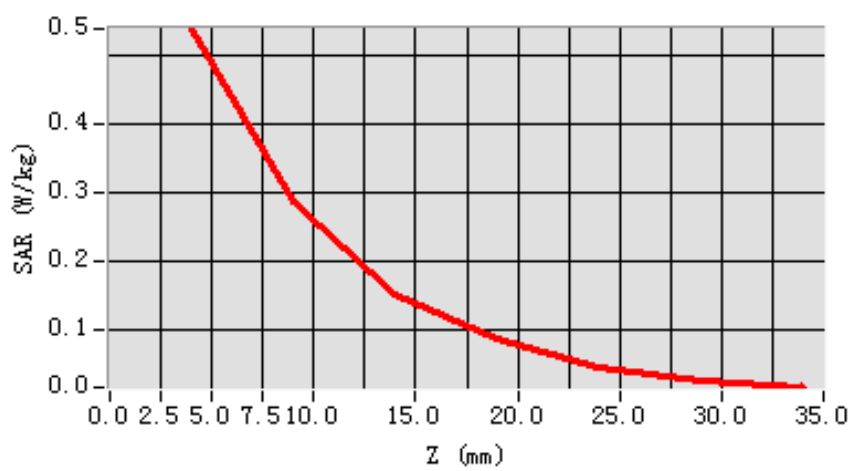
**Maximum location: X=7.00, Y=25.00**

<b>SAR 10g (W/Kg)</b>	0.276677
<b>SAR 1g (W/Kg)</b>	0.510967

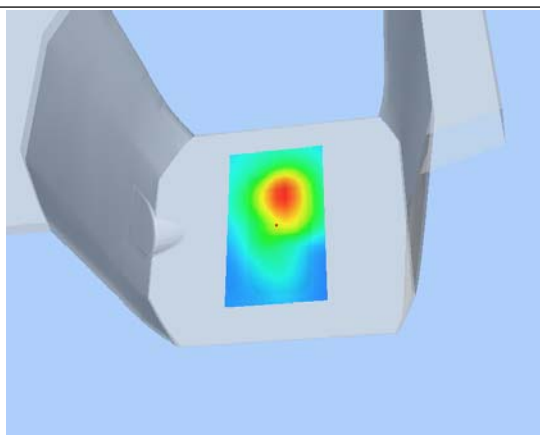
**Z Axis Scan**

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>0.5387</b>	<b>0.2879</b>	<b>0.1531</b>	<b>0.0859</b>	<b>0.0465</b>	<b>0.0272</b>

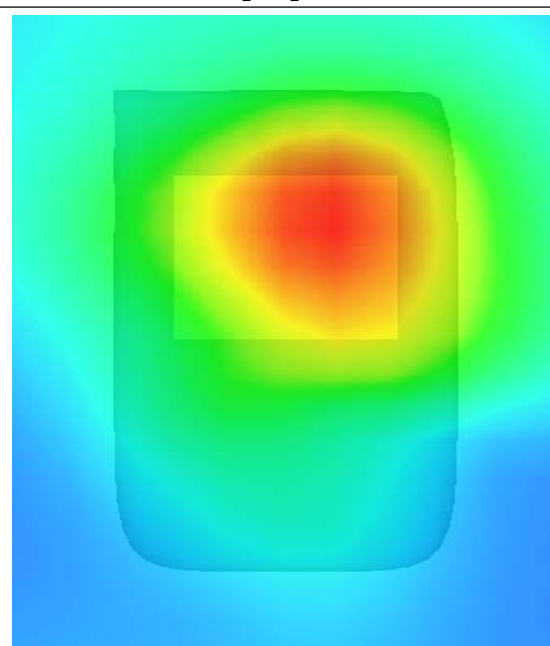
**SAR, Z Axis Scan (X = 7, Y = 25)**



**3D scen 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: 2013.7.11

Measurement duration: 9 minutes 14 seconds

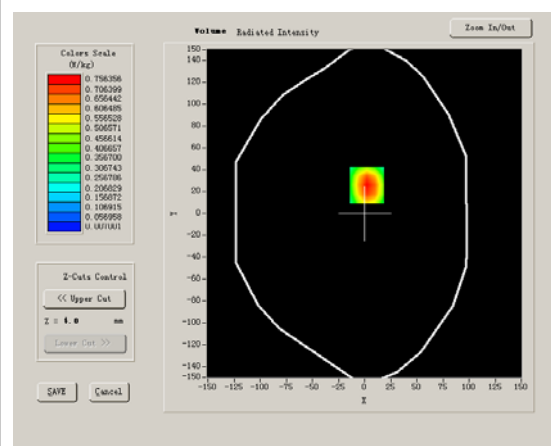
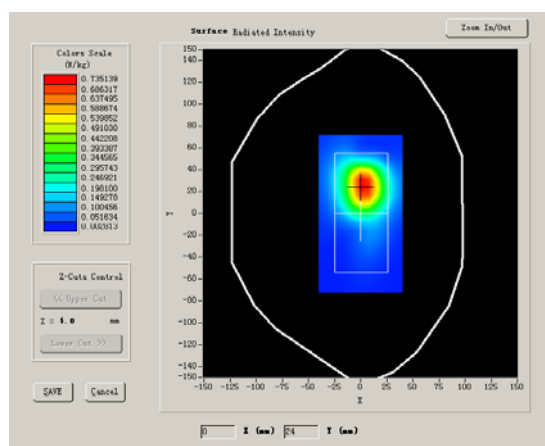
### A. Experimental conditions.

<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>	Low
<b>Signal</b>	CDMA

### B. SAR Measurement Results

Lower Band SAR (Channel 9262):

<b>Frequency (MHz)</b>	1852.400000
<b>Relative permittivity (real part)</b>	53.210000
<b>Conductivity (S/m)</b>	1.510000
<b>Power drift (%)</b>	-0.270000
<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
<b>SURFACE SAR</b>	<b>VOLUME SAR</b>



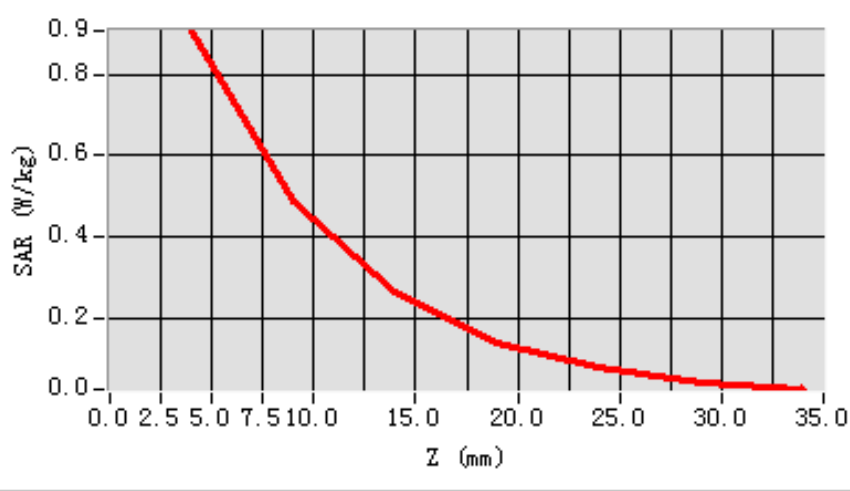
**Maximum location: X=2.00, Y=26.00**

<b>SAR 10g (W/Kg)</b>	0.470173
<b>SAR 1g (W/Kg)</b>	0.865349

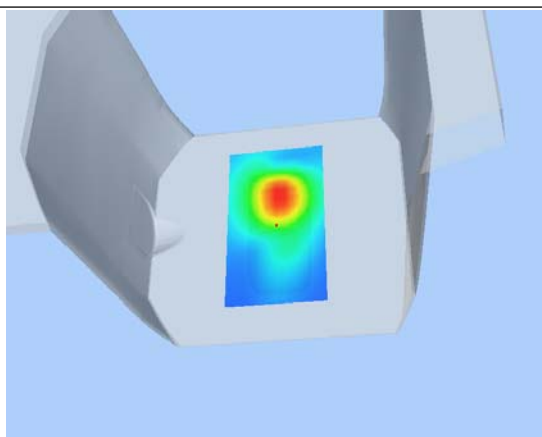
**Z Axis Scan**

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>0.9077</b>	<b>0.4897</b>	<b>0.2637</b>	<b>0.1413</b>	<b>0.0784</b>	<b>0.0429</b>

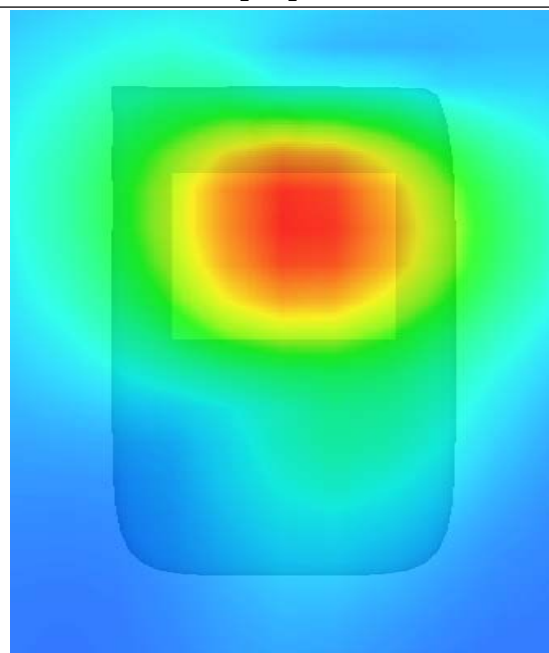
**SAR, Z Axis Scan (X = 2, Y = 26)**



**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: 2013.7.11

Measurement duration: 9 minutes 14 seconds

## A. Experimental conditions.

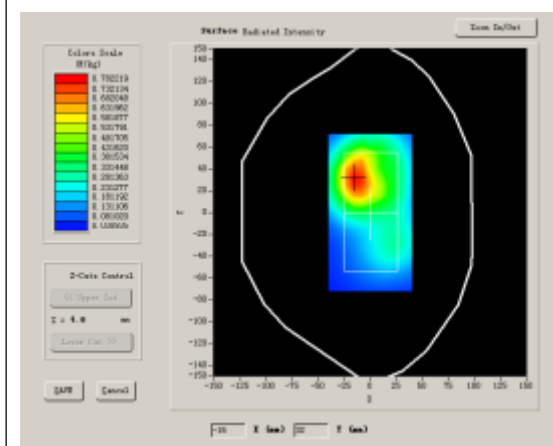
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1900
<b>Channels</b>	Middle
<b>Signal</b>	CDMA

## B. SAR Measurement Results

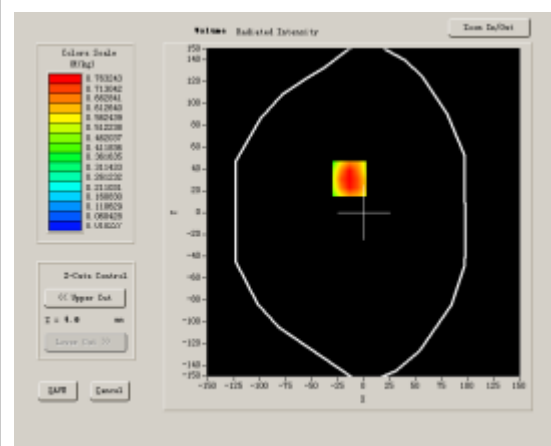
Middle Band SAR (Channel 9400):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	53.210000
<b>Conductivity (S/m)</b>	1.510000
<b>Power drift (%)</b>	-0.280000
<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



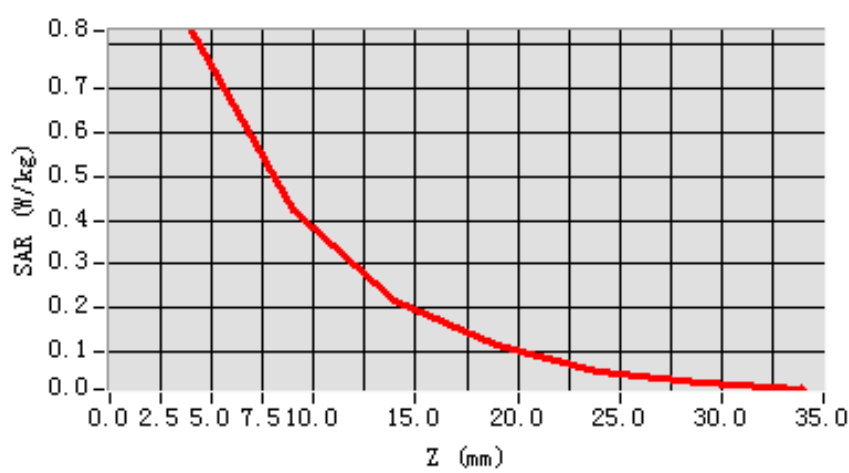
**Maximum location: X=-14.00, Y=31.00**

<b>SAR 10g (W/Kg)</b>	0.436624
<b>SAR 1g (W/Kg)</b>	0.798681

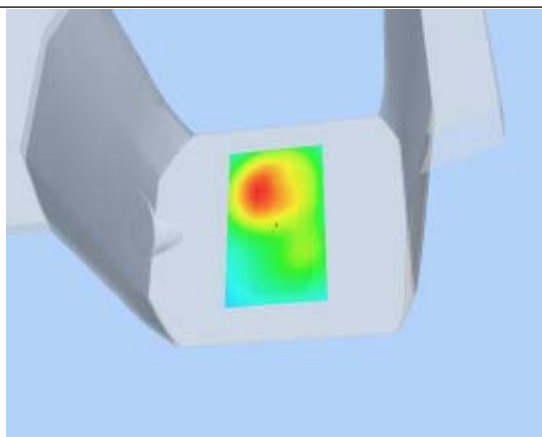
**Z Axis Scan**

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>0.8311</b>	<b>0.4237</b>	<b>0.2171</b>	<b>0.1141</b>	<b>0.0578</b>	<b>0.0310</b>

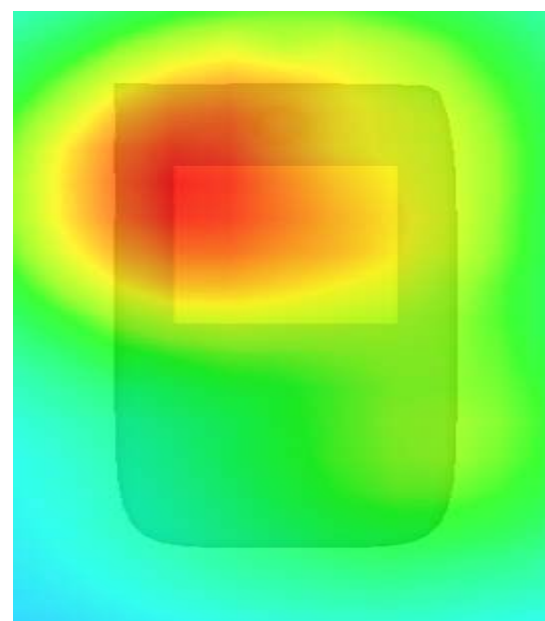
**SAR, Z Axis Scan (X = -14, Y = 31)**



**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: 2013.7.11

Measurement duration: 9 minutes 14 seconds

### A. Experimental conditions.

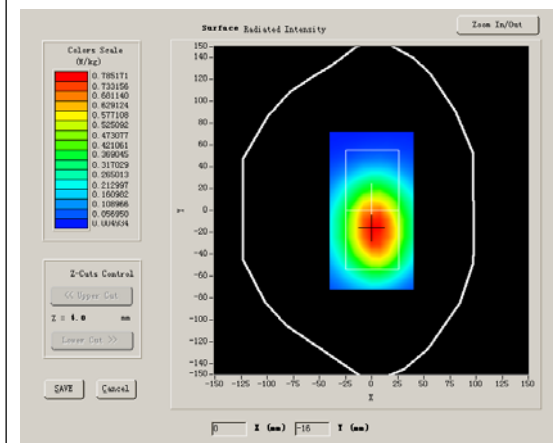
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1900
<b>Channels</b>	High
<b>Signal</b>	CDMA

### B. SAR Measurement Results

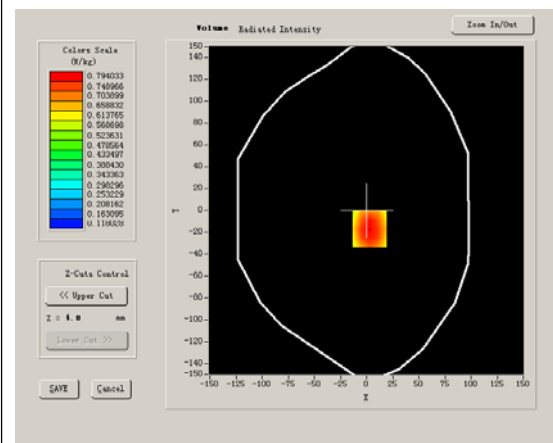
Higher Band SAR (Channel 9538):

<b>Frequency (MHz)</b>	1907.600000
<b>Relative permittivity (real part)</b>	53.210000
<b>Conductivity (S/m)</b>	1.510000
<b>Power drift (%)</b>	-0.460000
<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



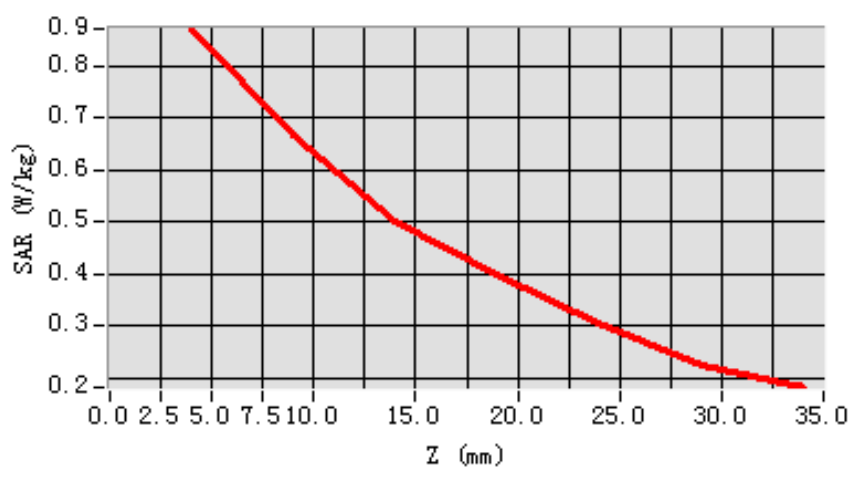
**Maximum location: X=3.00, Y=-17.00**

<b>SAR 10g (W/Kg)</b>	0.615357
<b>SAR 1g (W/Kg)</b>	0.847260

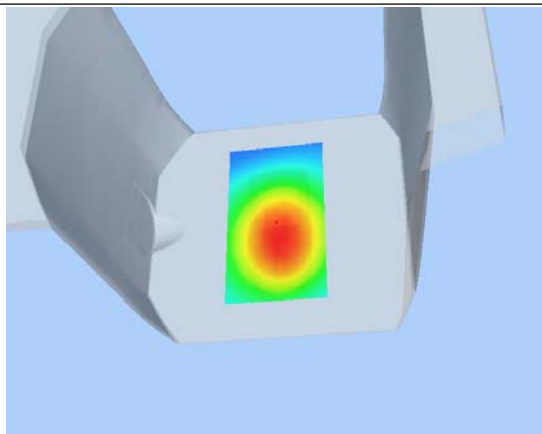
**Z Axis Scan**

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>0.8717</b>	<b>0.6675</b>	<b>0.5019</b>	<b>0.4001</b>	<b>0.3059</b>	<b>0.2242</b>

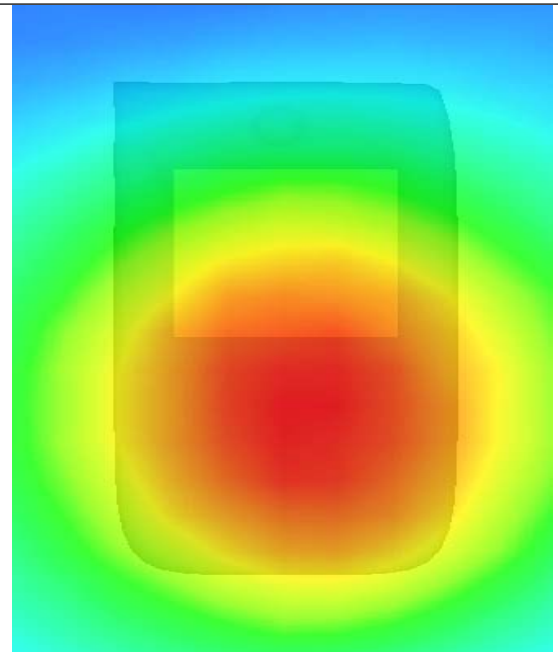
**SAR, Z Axis Scan (X = 3, Y = -17)**



**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: 2013.7.11

Measurement duration: 9 minutes 14 seconds

## A. Experimental conditions.

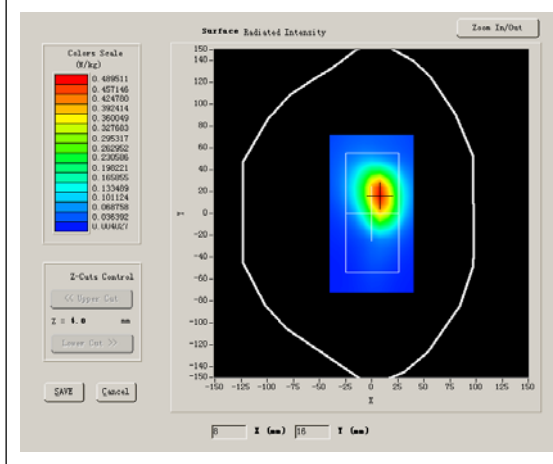
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1900
<b>Channels</b>	Low
<b>Signal</b>	CDMA

## B. SAR Measurement Results

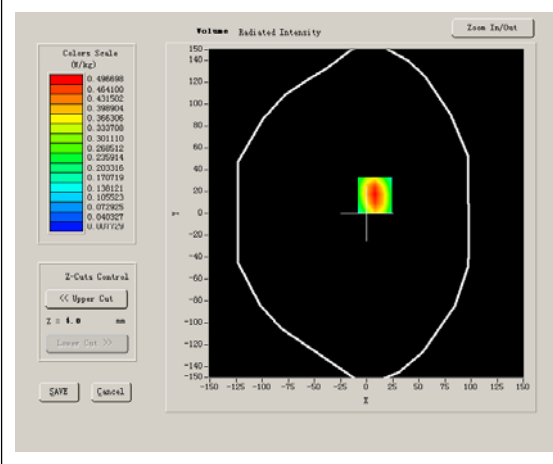
Lower Band SAR (Channel 9262):

<b>Frequency (MHz)</b>	1852.400000
<b>Relative permittivity (real part)</b>	53.210000
<b>Conductivity (S/m)</b>	1.510000
<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



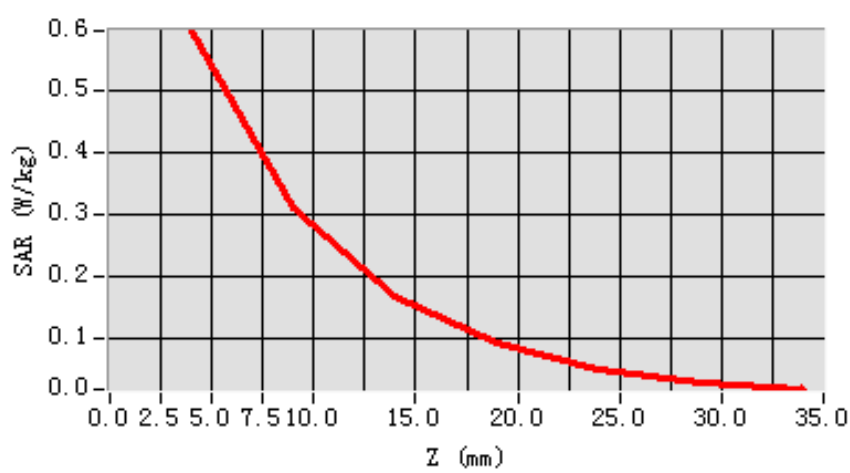
**Maximum location: X=8.00, Y=17.00**

<b>SAR 10g (W/Kg)</b>	0.298439
<b>SAR 1g (W/Kg)</b>	0.560015

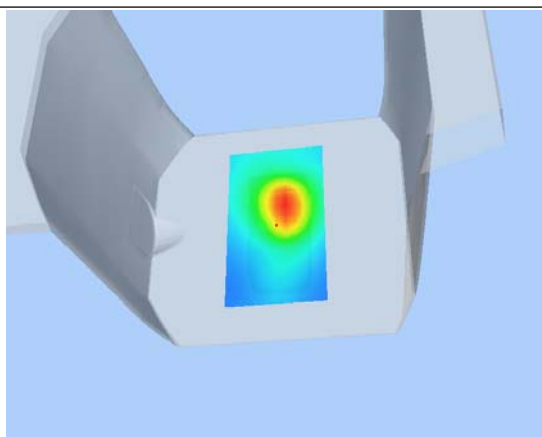
**Z Axis Scan**

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>0.5961</b>	<b>0.3101</b>	<b>0.1677</b>	<b>0.0907</b>	<b>0.0510</b>	<b>0.0290</b>

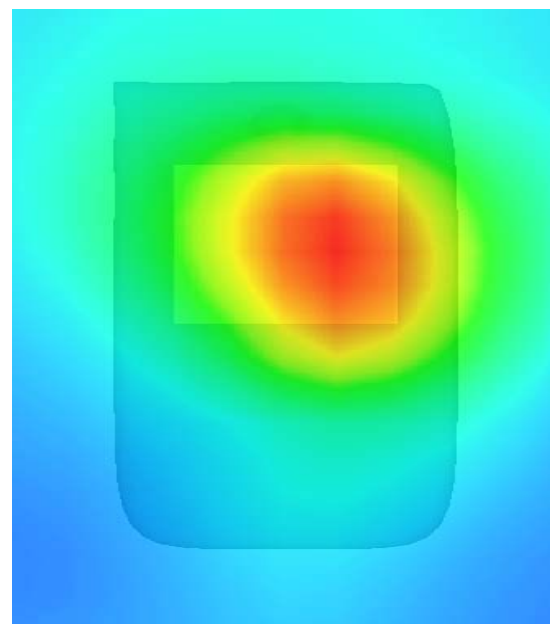
**SAR, Z Axis Scan (X = 8, Y = 17)**



**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: 2013.7.11

Measurement duration: 9 minutes 14 seconds

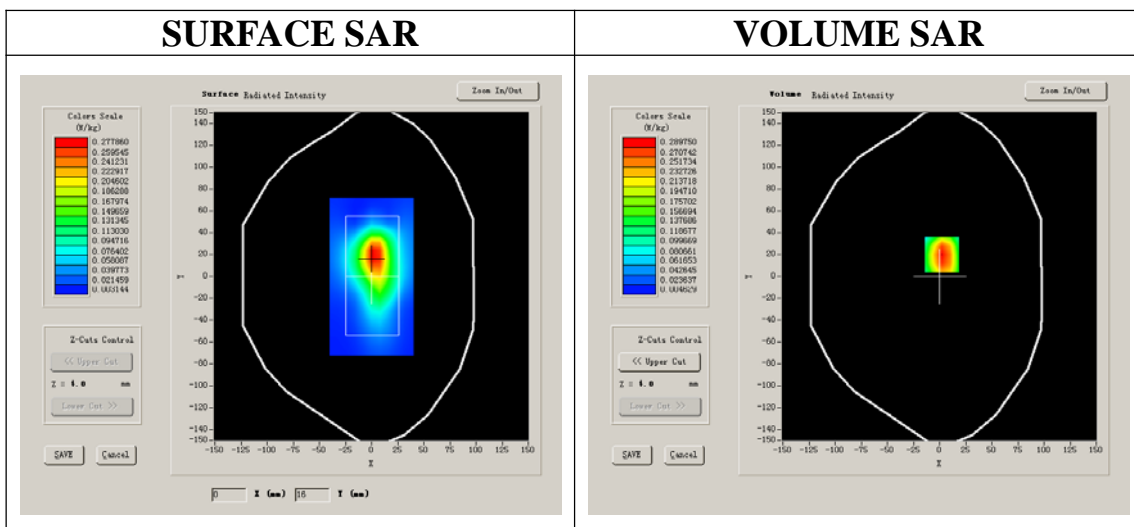
## A. Experimental conditions.

<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>	Low
<b>Signal</b>	CDMA

## B. SAR Measurement Results

Lower Band SAR (Channel 9262):

<b>Frequency (MHz)</b>	1852.400000
<b>Relative permittivity (real part)</b>	53.210000
<b>Conductivity (S/m)</b>	1.510000
<b>Power drift (%)</b>	-0.710000
<b>Ambient Temperature:</b>	22.7°C
<b>Liquid Temperature:</b>	22.3°C
<b>ConvF:</b>	40.625,34.773,38.535
<b>Crest factor:</b>	1:1



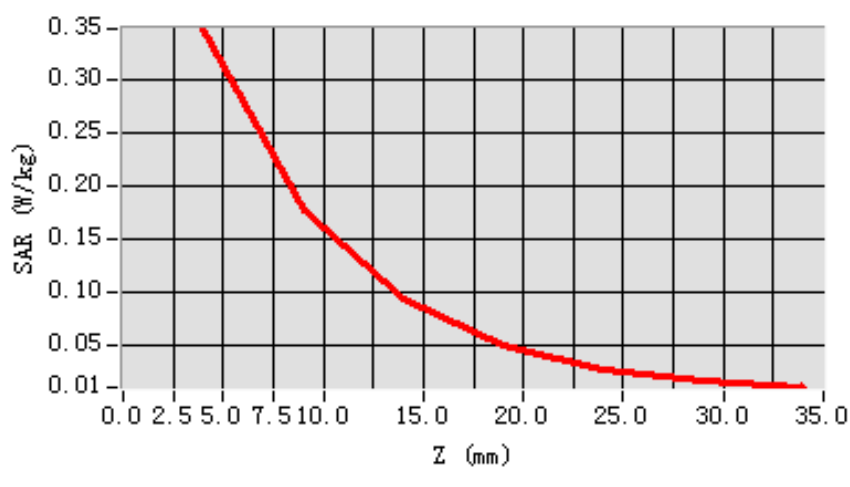
**Maximum location: X=2.00, Y=20.00**

<b>SAR 10g (W/Kg)</b>	0.173935
<b>SAR 1g (W/Kg)</b>	0.329720

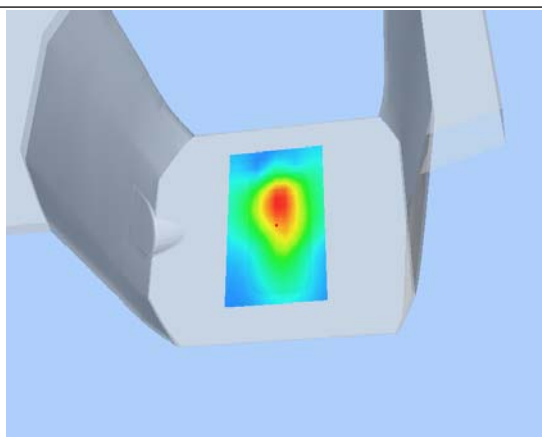
**Z Axis Scan**

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>0.3477</b>	<b>0.1771</b>	<b>0.0922</b>	<b>0.0489</b>	<b>0.0265</b>	<b>0.0156</b>

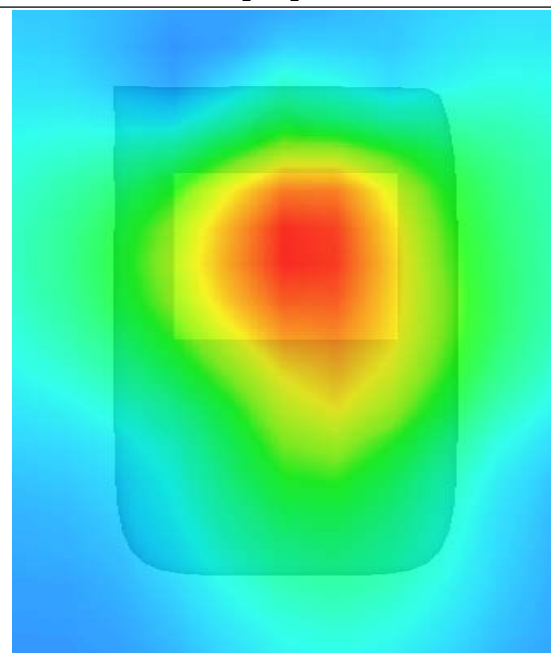
**SAR, Z Axis Scan (X = 2, Y = 20)**



**3D scen 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: 2013.7.11

Measurement duration: 9 minutes 14 seconds

### A. Experimental conditions.

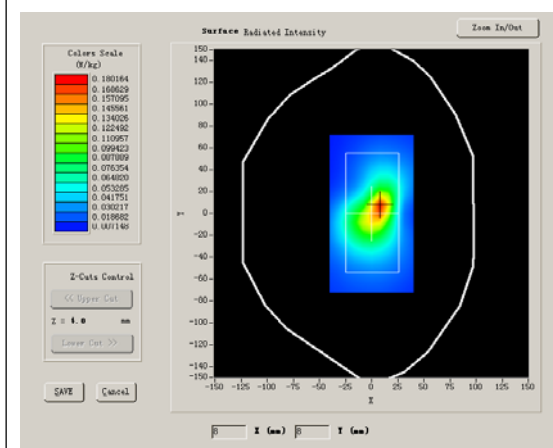
<b>Phantom File</b>	surf_sam_plan.txt
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body
<b>Band</b>	WCDMA1900
<b>Channels</b>	Low
<b>Signal</b>	CDMA

### B. SAR Measurement Results

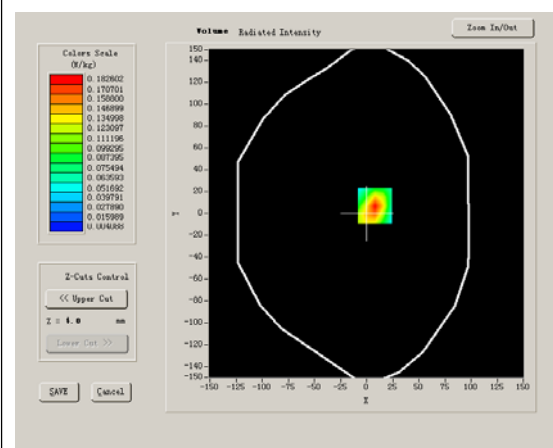
Lower Band SAR (Channel 9262):

<b>Frequency (MHz)</b>	1852.400000
<b>Relative permittivity (real part)</b>	53.210000
<b>Conductivity (S/m)</b>	1.510000
<b>Power drift (%)</b>	-0.650000
<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



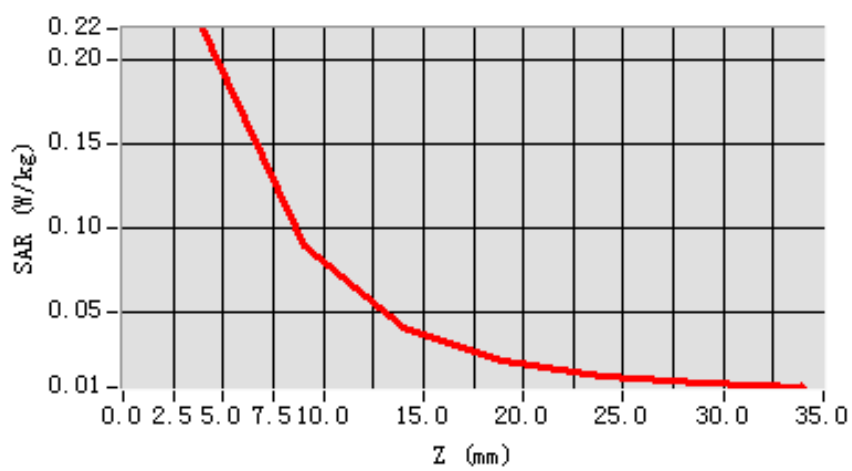
**Maximum location: X=8.00, Y=7.00**

<b>SAR 10g (W/Kg)</b>	0.098680
<b>SAR 1g (W/Kg)</b>	0.204476

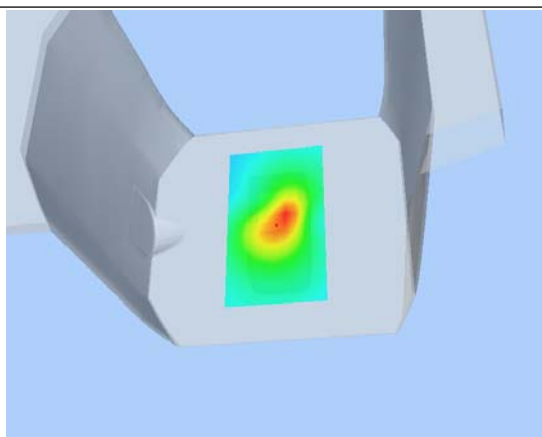
**Z Axis Scan**

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>0.2191</b>	<b>0.0904</b>	<b>0.0410</b>	<b>0.0209</b>	<b>0.0120</b>	<b>0.0073</b>

**SAR, Z Axis Scan (X = 8, Y = 7)**



**3D scen shot**



**Hot spot position**

