



## MEASUREMENT 6

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Right head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA band V
<b>Channels</b>	High
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 835</b>	<b>Antennessa (DIPI32,SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>846.799000</b>
<b>Relative permittivity (real part)</b>	<b>41.418764</b>
<b>Relative permittivity (imaginary part)</b>	<b>19.585448</b>
<b>Conductivity (S/m)</b>	<b>0.922041</b>
<b>Variation (%)</b>	<b>-0.400000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



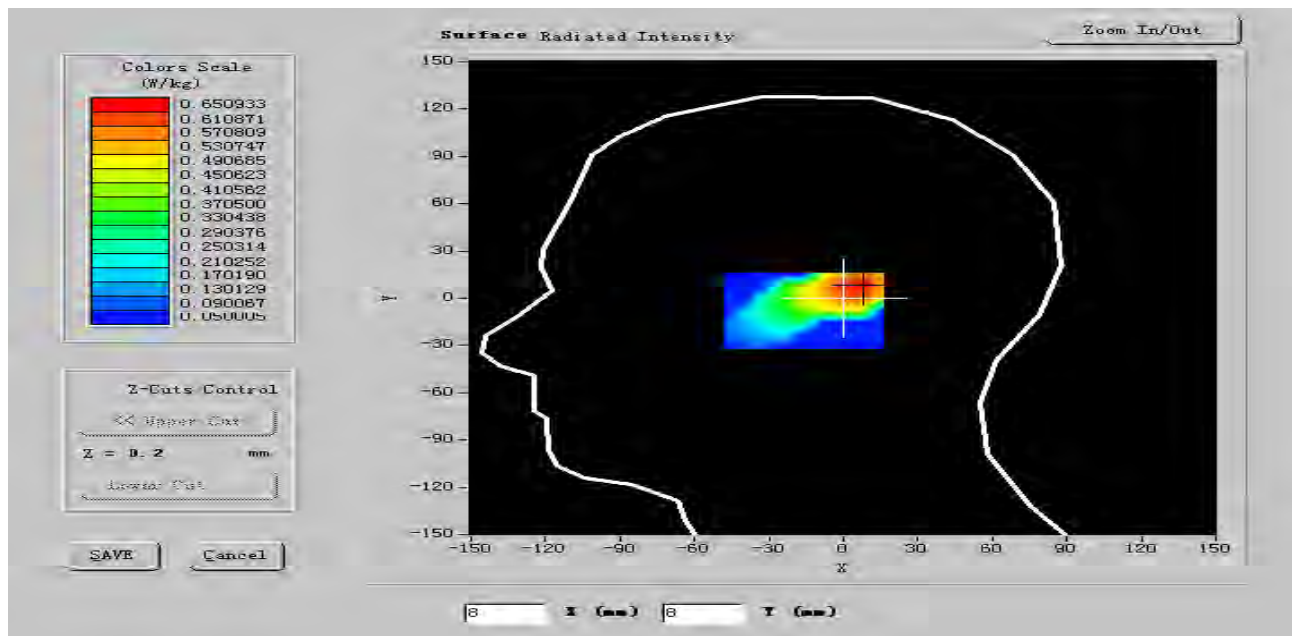
ConvF:

20.66, 20.51, 28.36

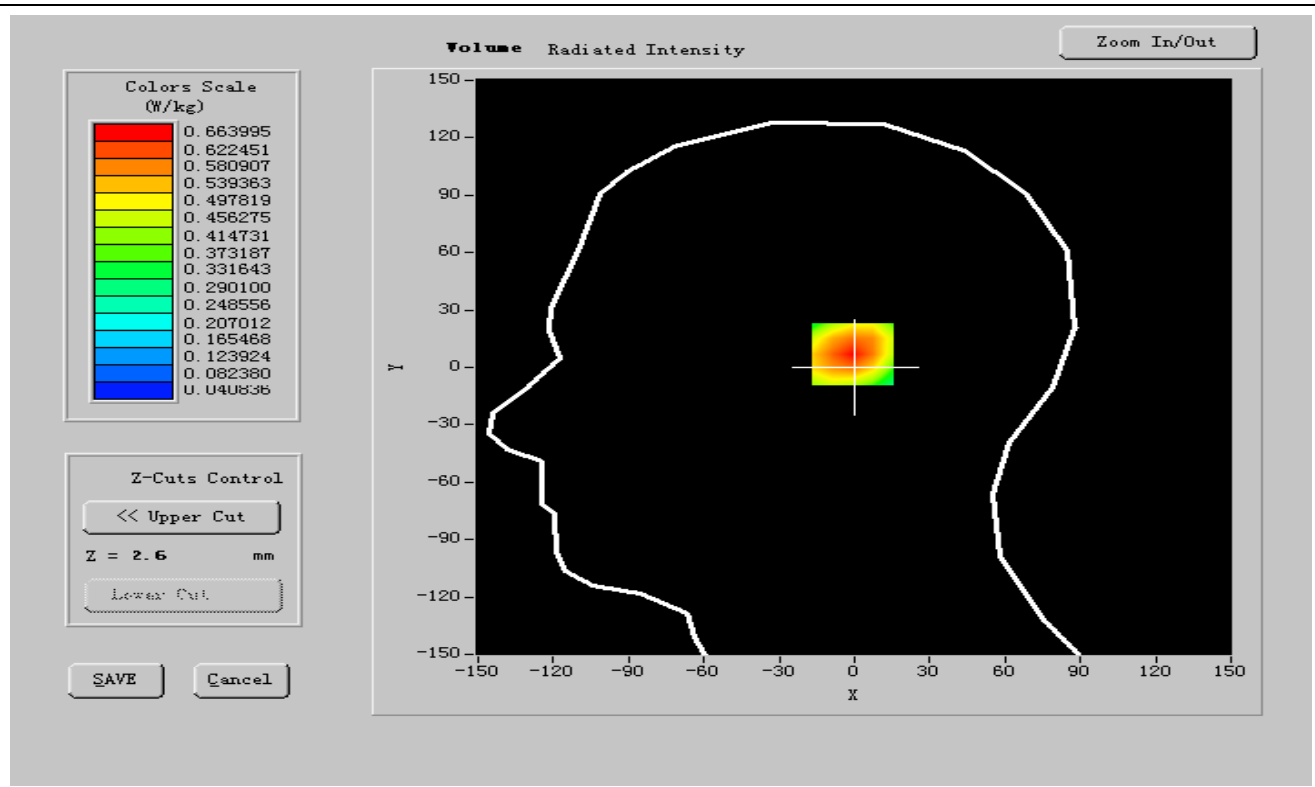
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



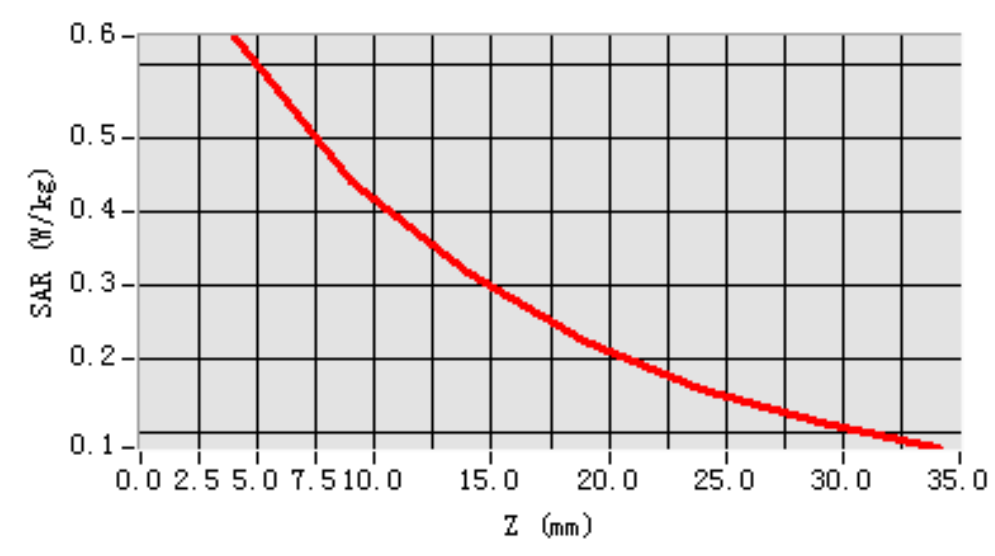


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.092140
SAR 1g (W/Kg)	0.151521

**Z Axis Scan**

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





## MEASUREMENT 7

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	WCDMA band V
<b>Channels</b>	Low
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 835</b>	<b>Antennessa (DIPI32,SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>826.203202</b>
<b>Relative permittivity (real part)</b>	<b>41.461055</b>
<b>Relative permittivity (imaginary part)</b>	<b>19.563889</b>
<b>Conductivity (S/m)</b>	<b>0.891547</b>
<b>Variation (%)</b>	<b>-0.250000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



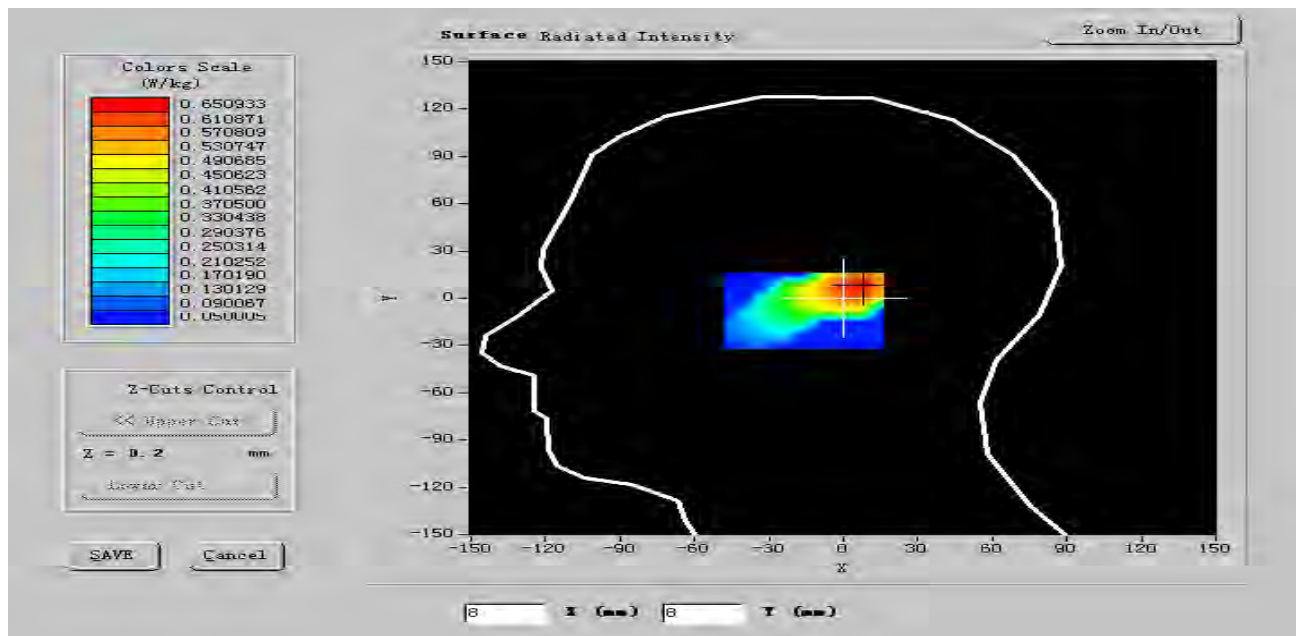
ConvF:

20.66, 20.51, 28.36

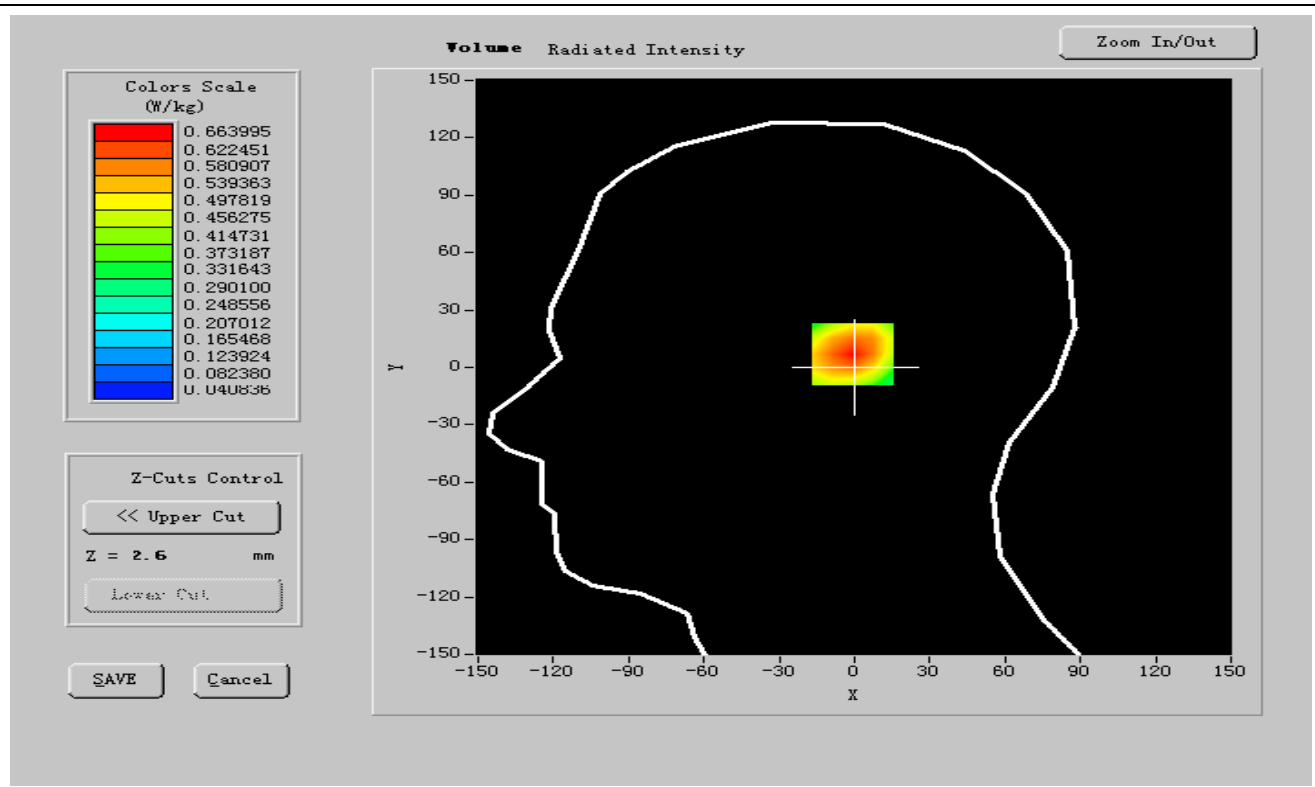
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



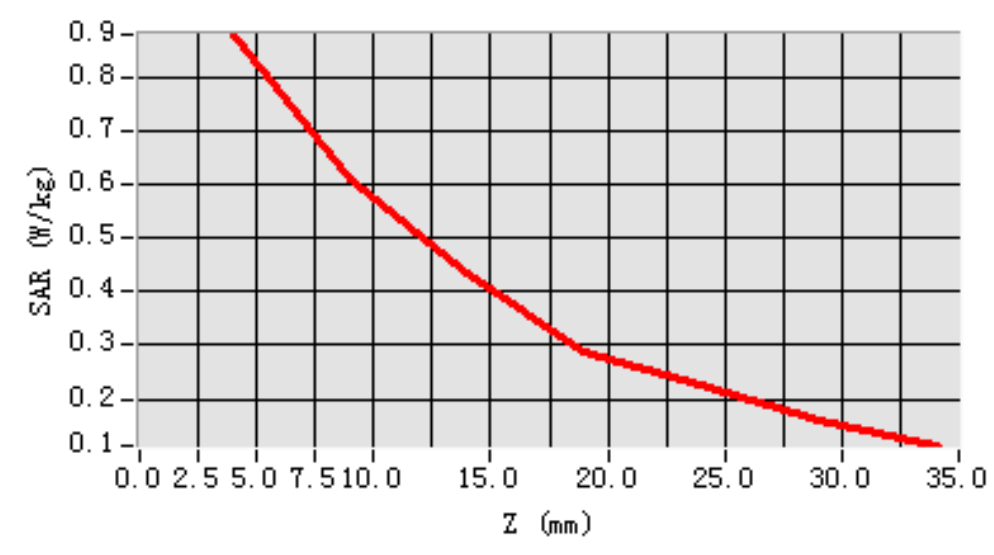


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.119204
SAR 1g (W/Kg)	0.272141

**Z Axis Scan**

**SAR, Z Axis Scan (X = -25, Y = -11)**





## MEASUREMENT 8

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	WCDMA band V
<b>Channels</b>	Middle
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 835</b>	<b>Antennessa (DIPI32,SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>836.600010</b>
<b>Relative permittivity (real part)</b>	<b>41.471230</b>
<b>Relative permittivity (imaginary part)</b>	<b>19.575333</b>
<b>Conductivity (S/m)</b>	<b>0.918997</b>
<b>Variation (%)</b>	<b>-0.230000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



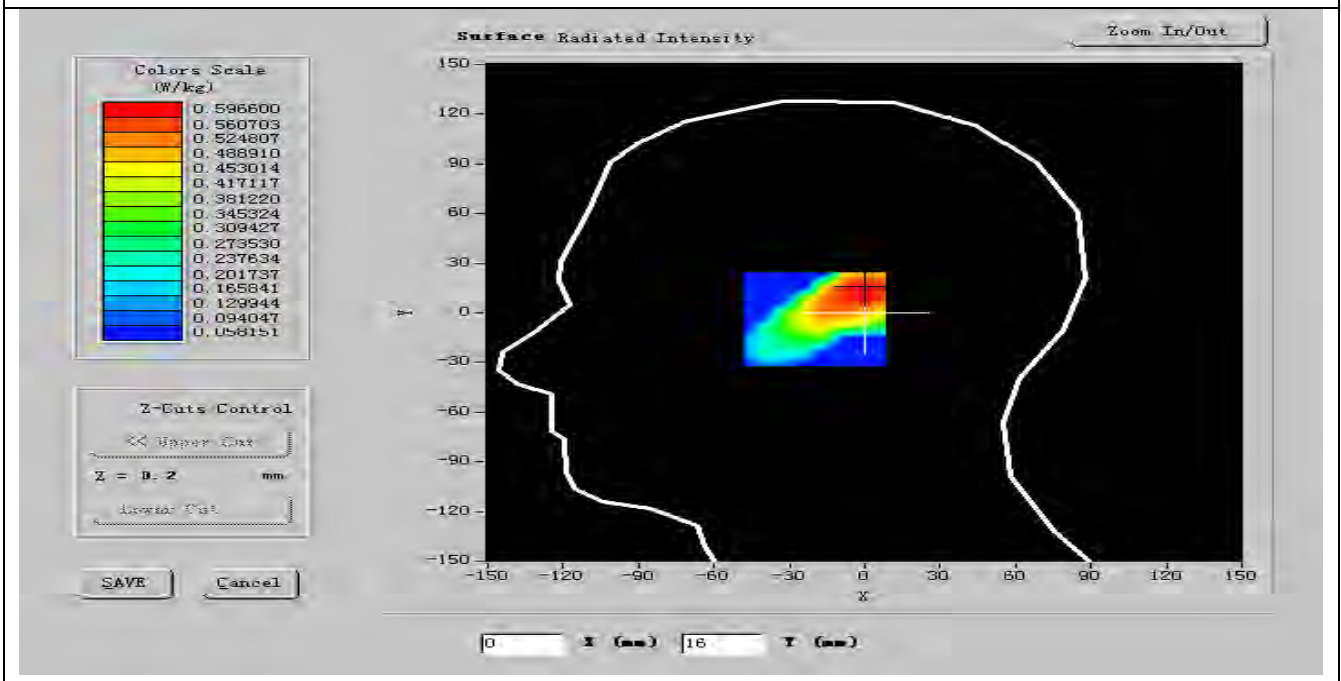
ConvF:

20.66, 20.51, 28.36

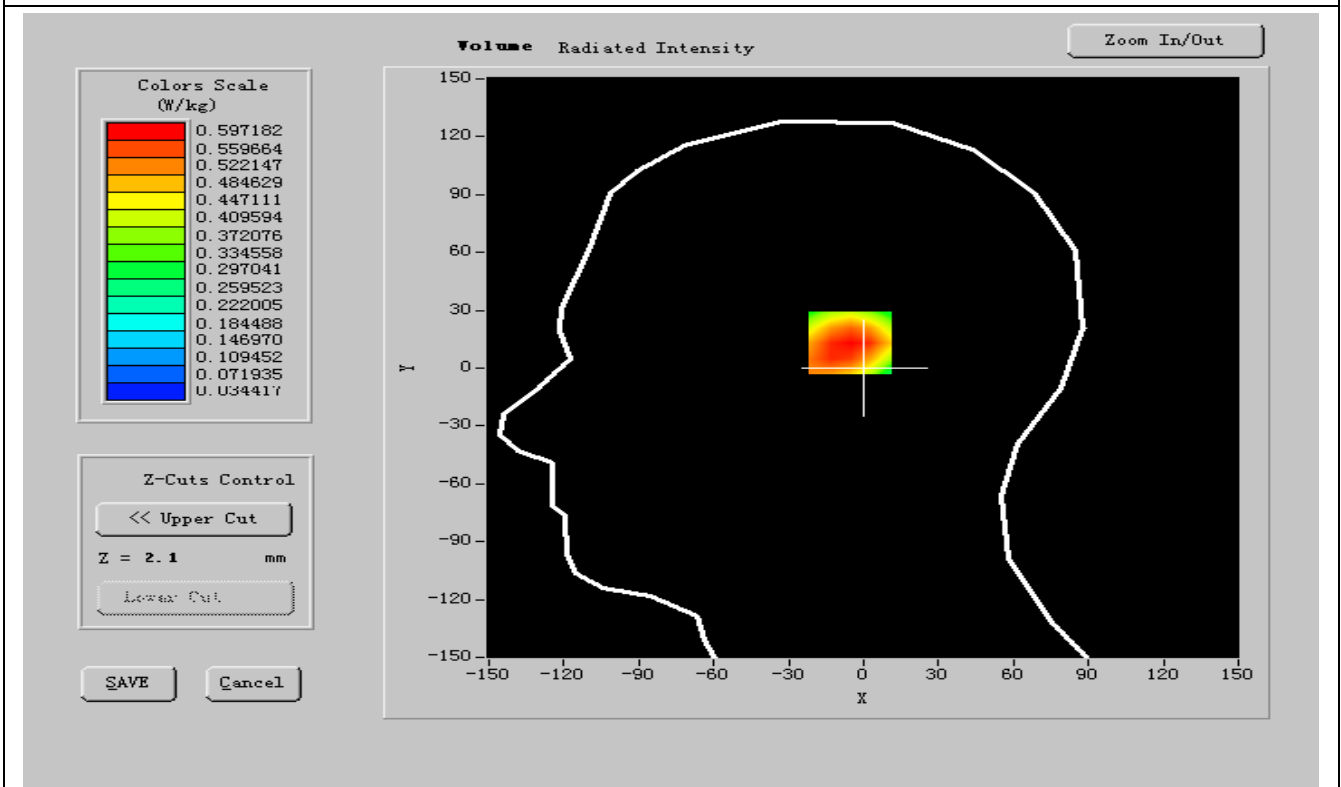
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR





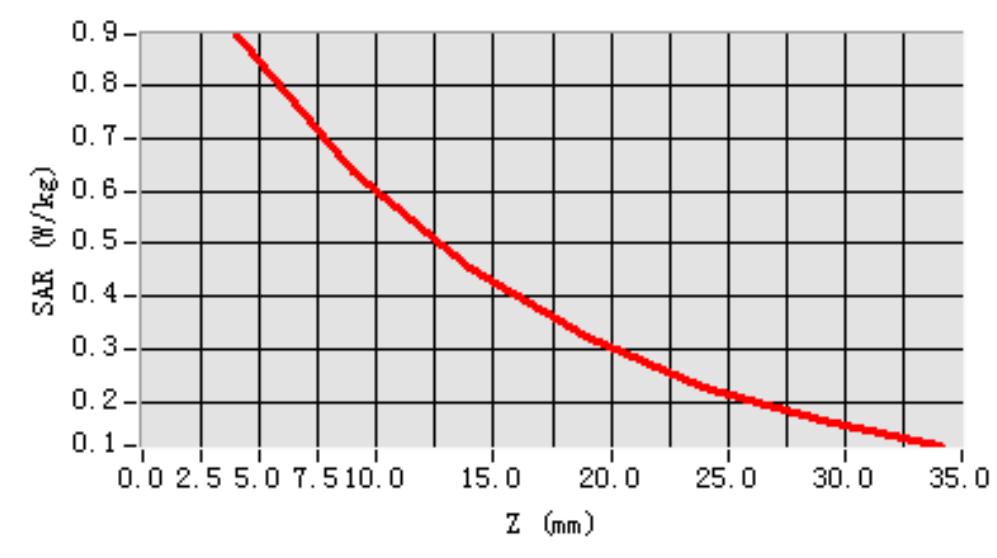


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.174514
SAR 1g (W/Kg)	0.320259

**Z Axis Scan**

**SAR, Z Axis Scan (X = -25, Y = -11)**





## MEASUREMENT 9

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	WCDMA band V
<b>Channels</b>	High
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 835</b>	<b>Antennessa (DIPI32,SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>846.592416</b>
<b>Relative permittivity (real part)</b>	<b>41.406180</b>
<b>Relative permittivity (imaginary part)</b>	<b>19.574326</b>
<b>Conductivity (S/m)</b>	<b>0.930115</b>
<b>Variation (%)</b>	<b>-1.300000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



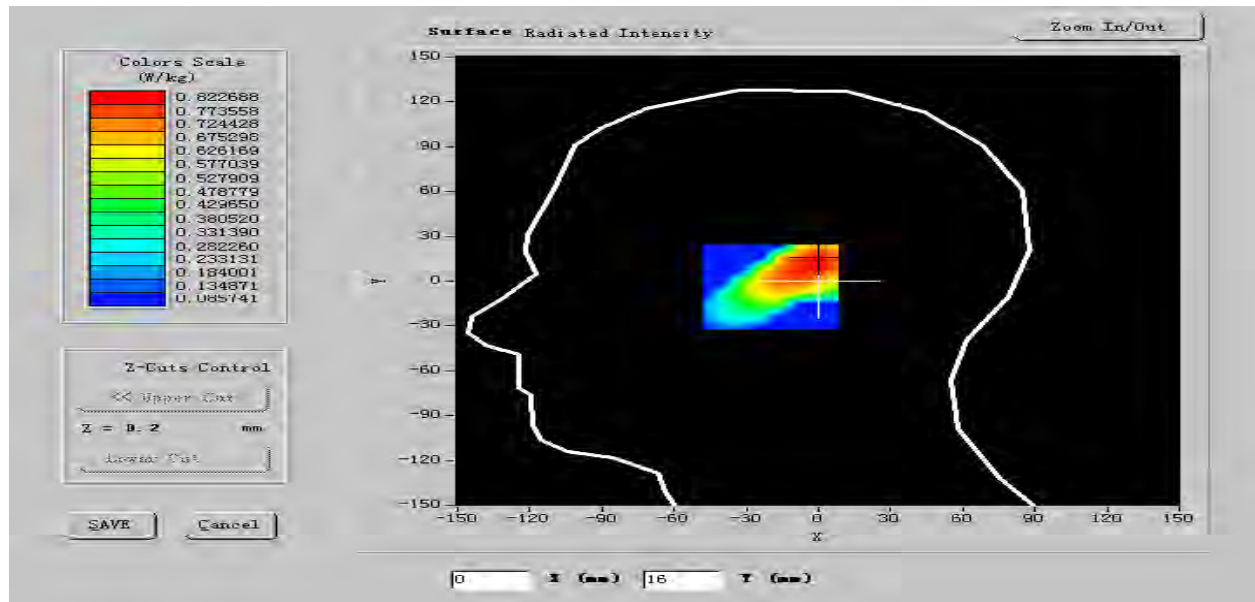
ConvF:

20.66, 20.51, 28.36

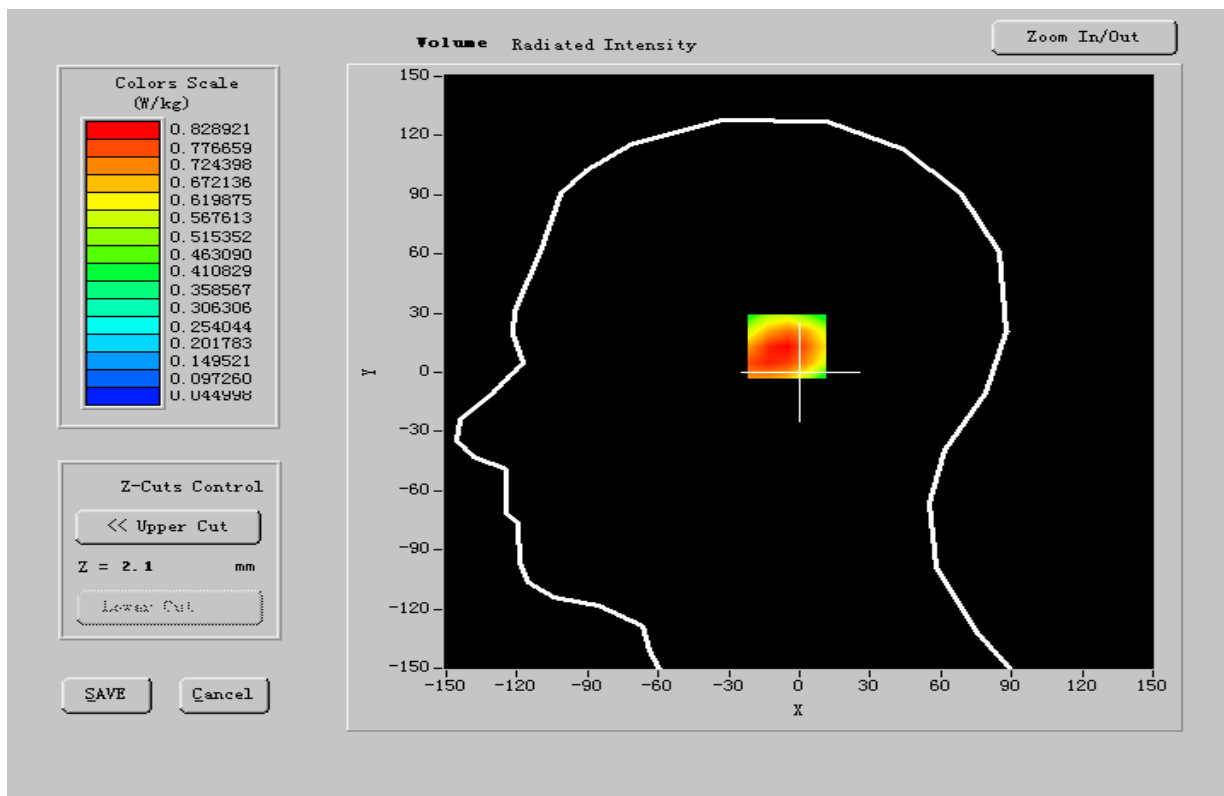
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



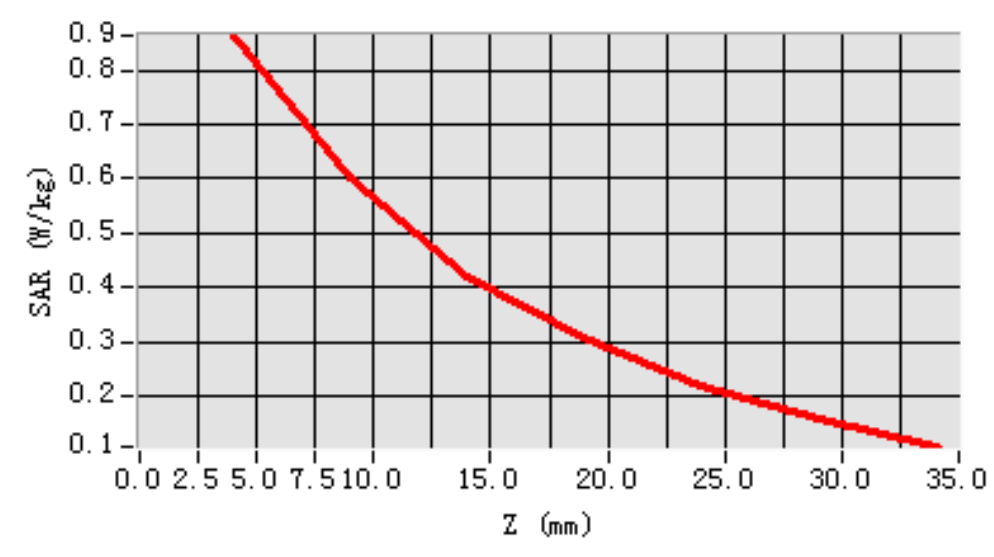


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.143210
SAR 1g (W/Kg)	0.260414

**Z Axis Scan**

**SAR, Z Axis Scan (X = -25, Y = -11)**





## MEASUREMENT 10

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA band V
<b>Channels</b>	Low
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 835</b>	<b>Antennessa (DIPI32,SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>826.203202</b>
<b>Relative permittivity (real part)</b>	<b>41.451347</b>
<b>Relative permittivity (imaginary part)</b>	<b>19.581234</b>
<b>Conductivity (S/m)</b>	<b>0.921230</b>
<b>Variation (%)</b>	<b>-0.200000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



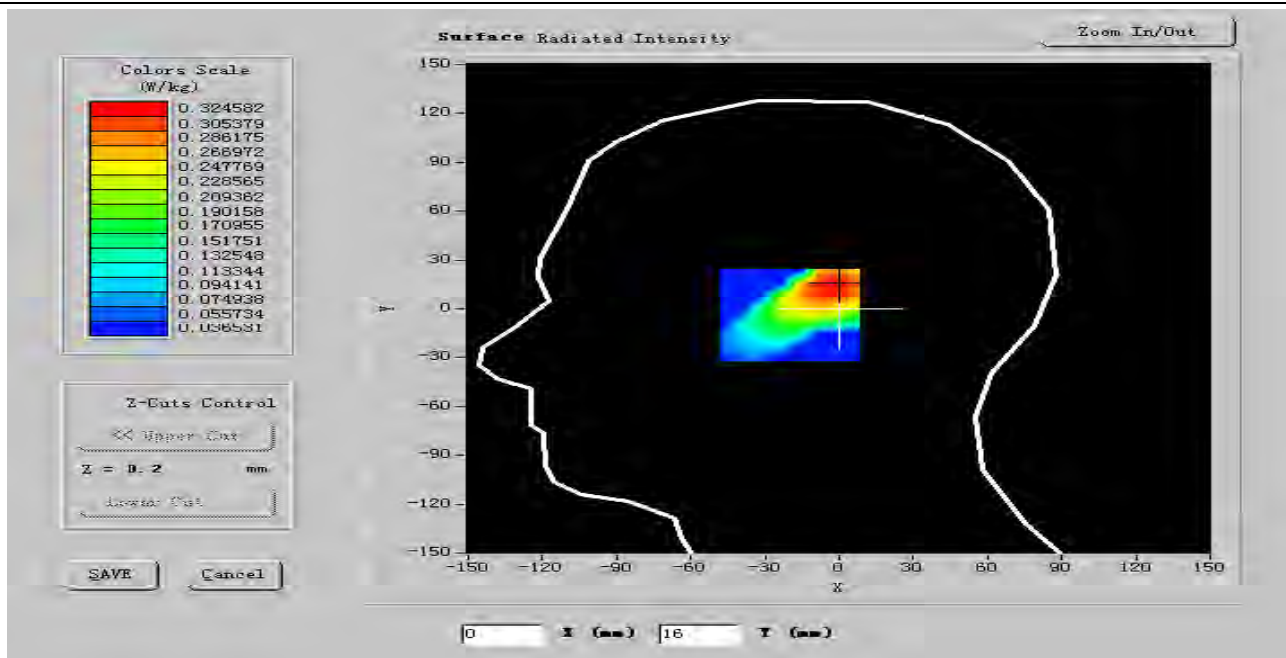
ConvF:

20.66, 20.51, 28.36

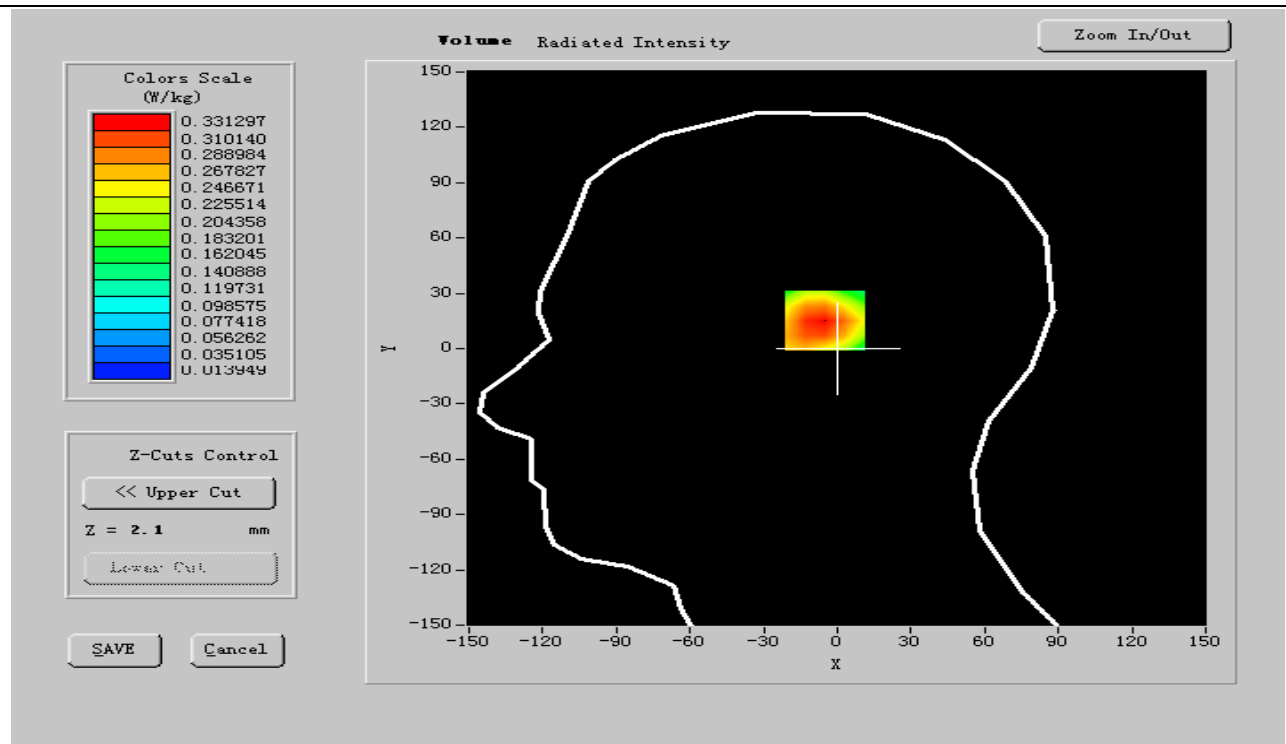
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



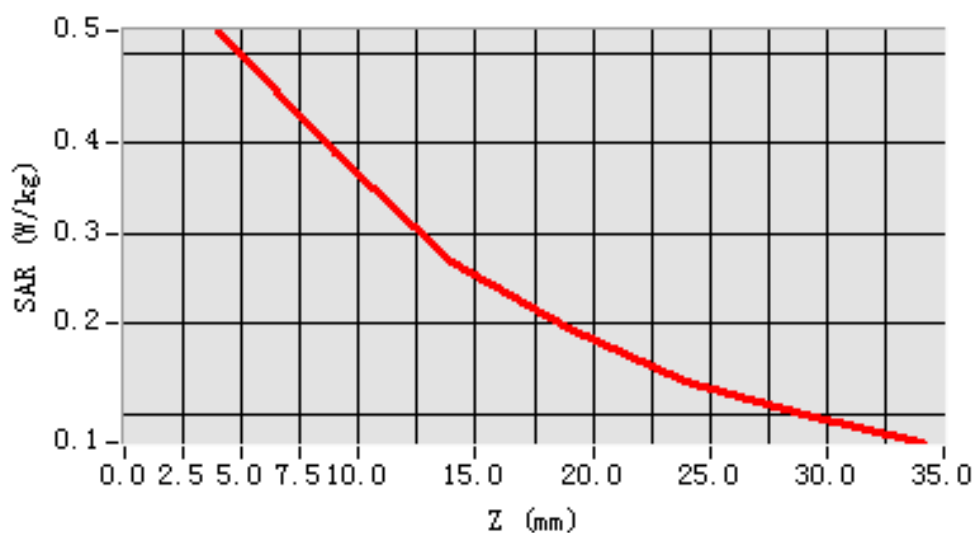


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.132140
SAR 1g (W/Kg)	0.161472

**Z Axis Scan**

**SAR, Z Axis Scan (X = -22, Y = -6)**





## MEASUREMENT 11

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA band V
<b>Channels</b>	Middle
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 835</b>	<b>Antennessa (DIPI32,SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>836.602124</b>
<b>Relative permittivity (real part)</b>	<b>41.461320</b>
<b>Relative permittivity (imaginary part)</b>	<b>19.581774</b>
<b>Conductivity (S/m)</b>	<b>0.921108</b>
<b>Variation (%)</b>	<b>-0.010000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>
<b>ConvF:</b>	<b>20.66, 20.51, 28.36</b>

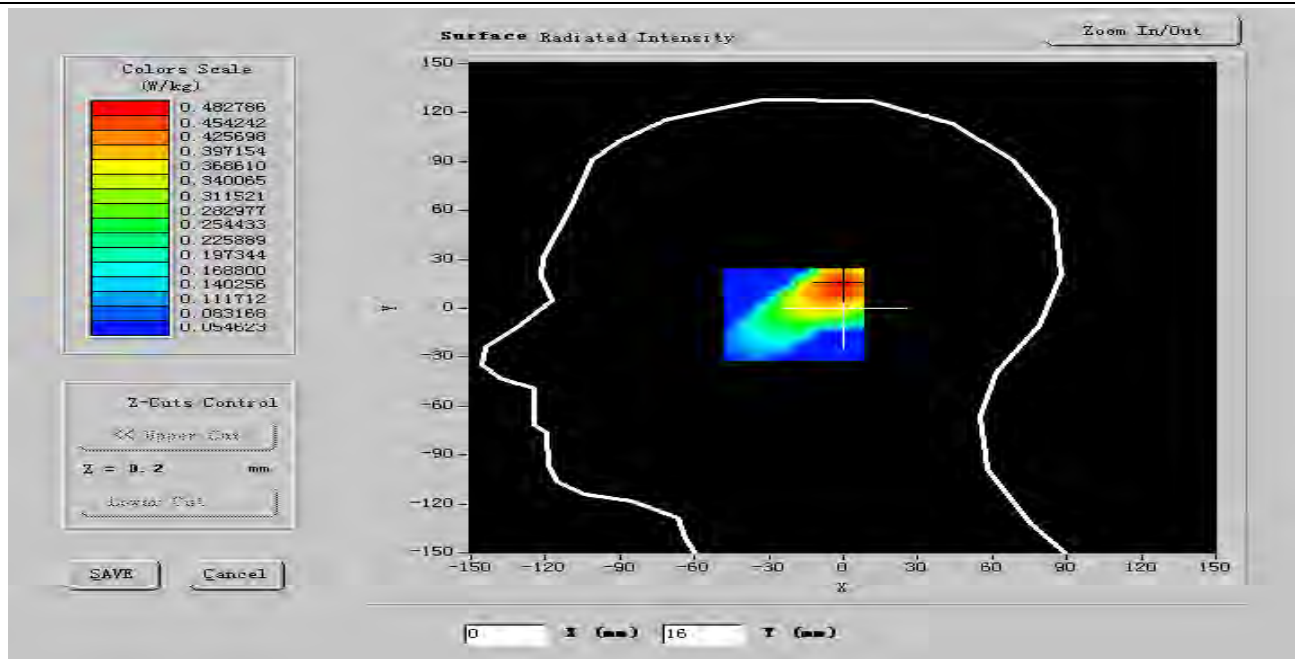




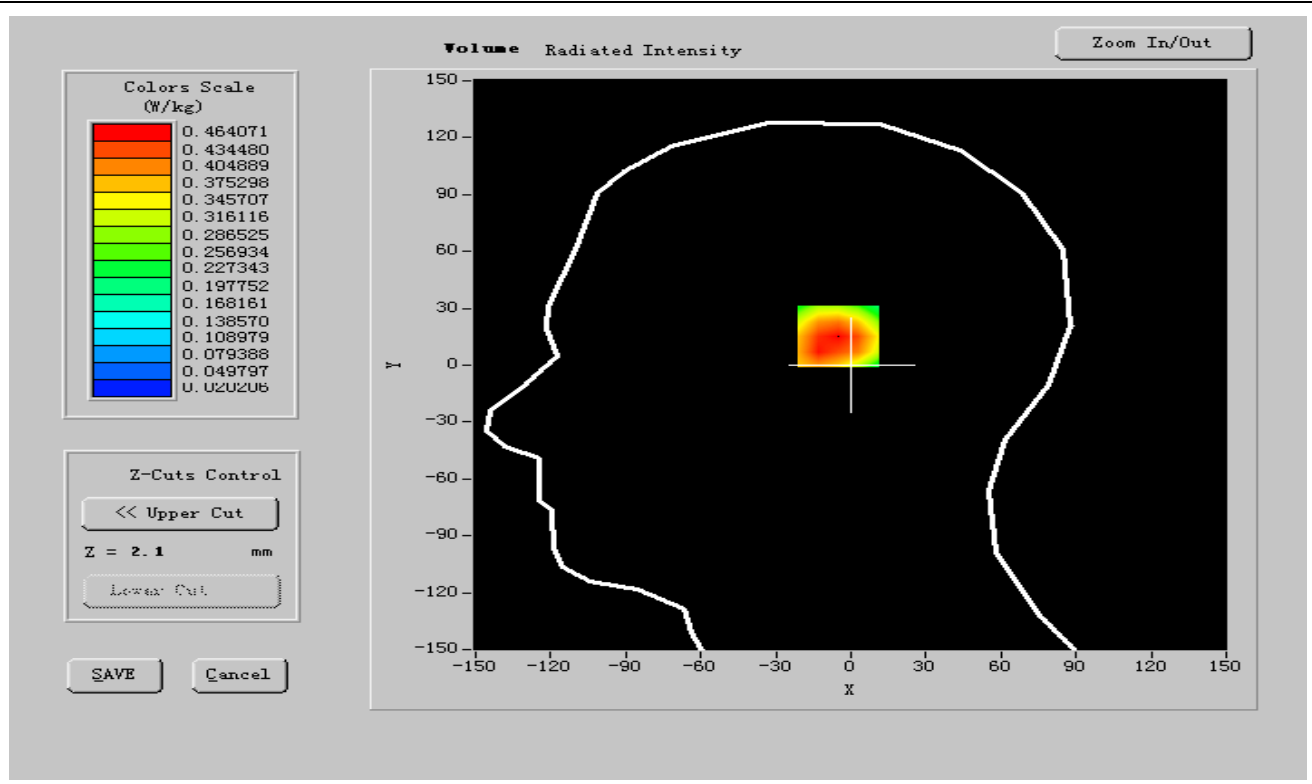
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



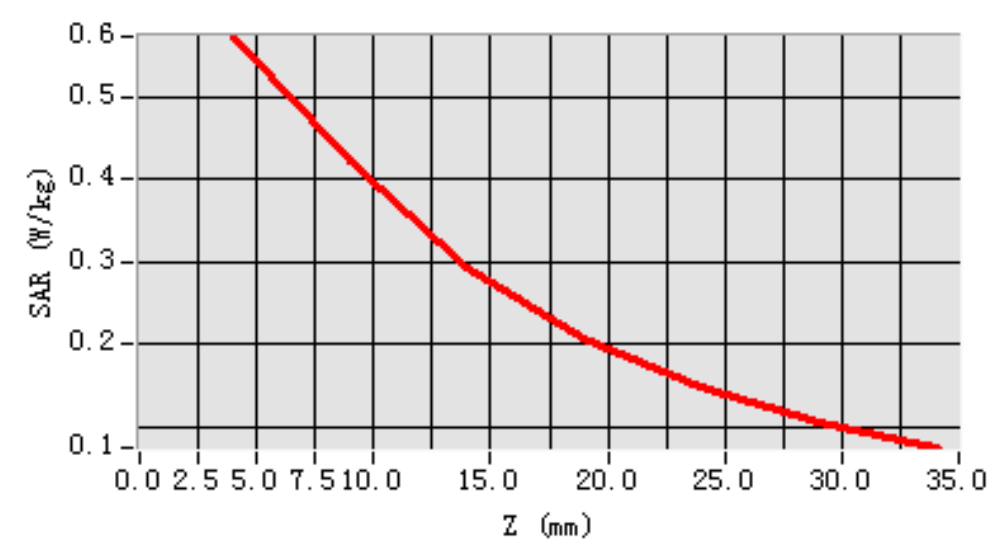


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.152310
SAR 1g (W/Kg)	0.192414

**Z Axis Scan**

**SAR, Z Axis Scan (X = -22, Y = -6)**





## MEASUREMENT 12

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA band V
<b>Channels</b>	High
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 835</b>	<b>Antennessa (DIPI32,SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>846.790120</b>
<b>Relative permittivity (real part)</b>	<b>41.459975</b>
<b>Relative permittivity (imaginary part)</b>	<b>19.583446</b>
<b>Conductivity (S/m)</b>	<b>0.922784</b>
<b>Variation (%)</b>	<b>-1.100000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



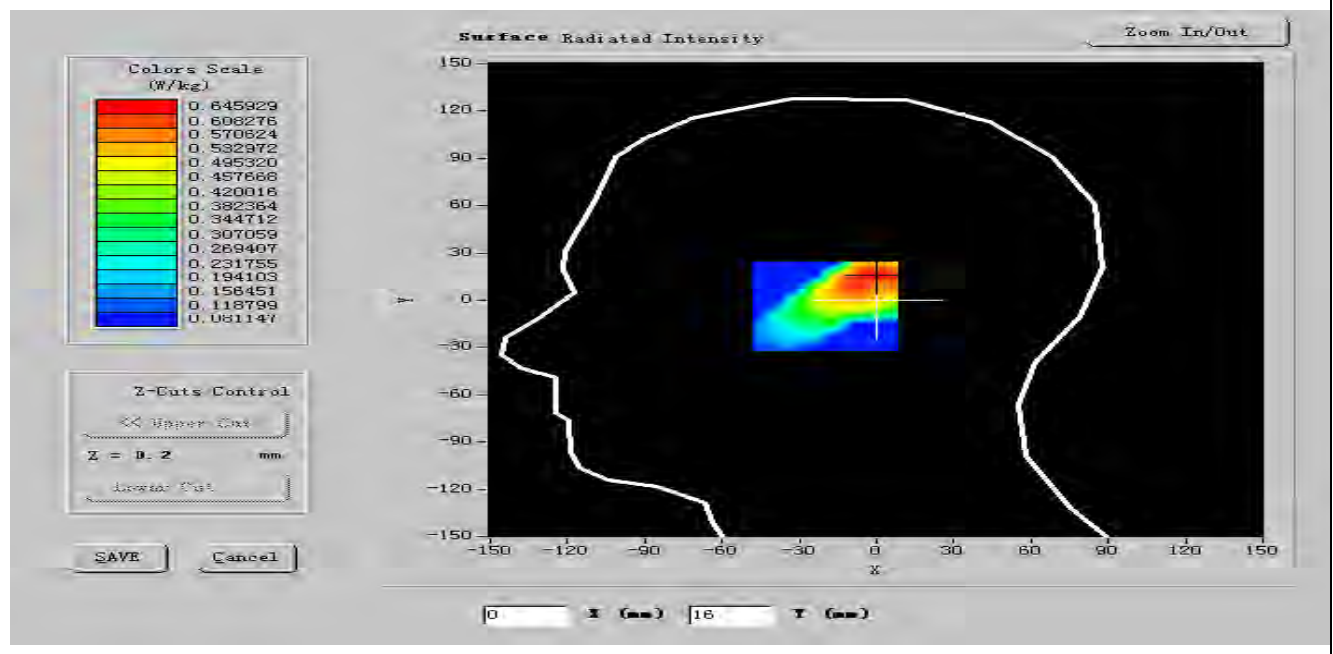
ConvF:

20.66, 20.51, 28.36

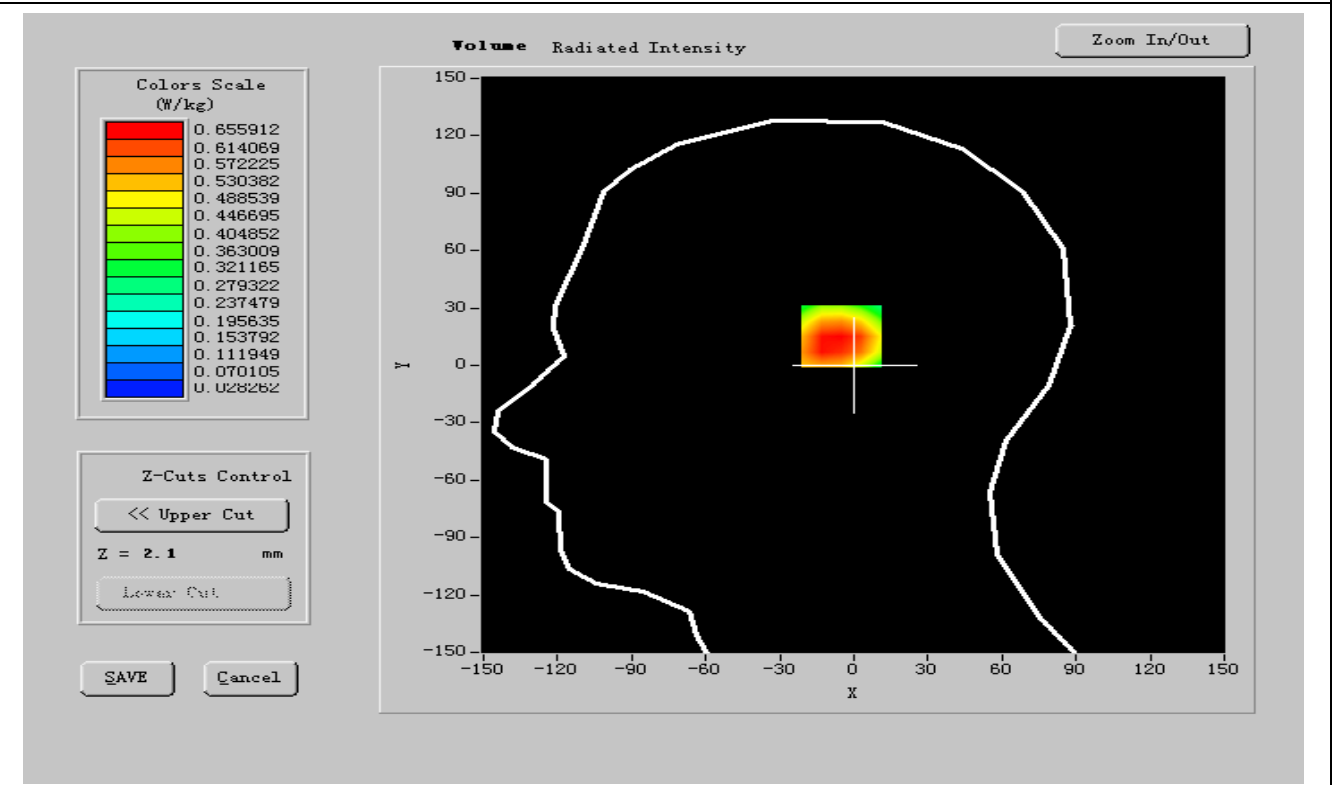
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



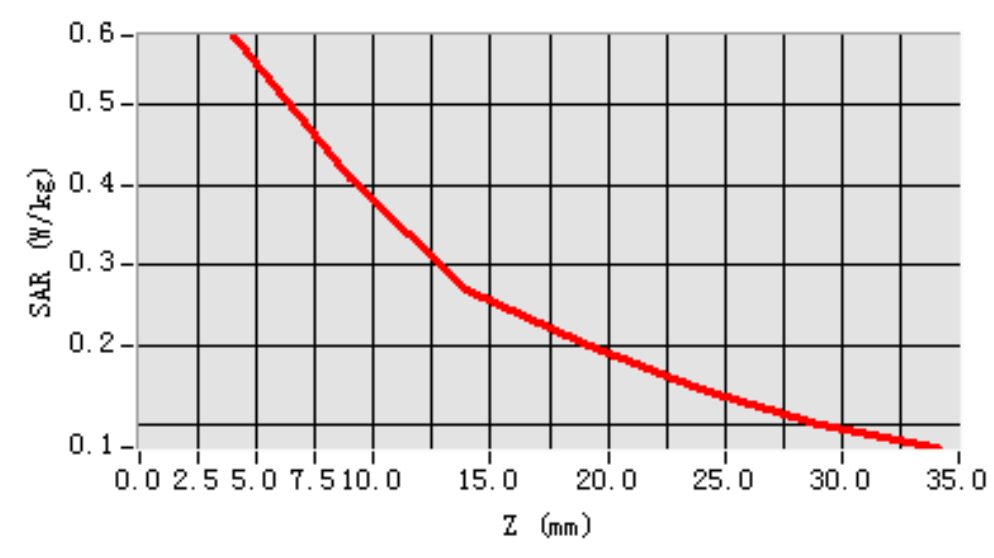


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.123121
SAR 1g (W/Kg)	0.174123

**Z Axis Scan**

**SAR, Z Axis Scan (X = -22, Y = -6)**





## MEASUREMENT 13

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	FrontSide toward phantom
<b>Band</b>	WCDMA band V
<b>Channels</b>	Low
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 835</b>	<b>Antennessa (DIPI32,SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>826.400002</b>
<b>Relative permittivity (real part)</b>	<b>56.519664</b>
<b>Relative permittivity (imaginary part)</b>	<b>21.251330</b>
<b>Conductivity (S/m)</b>	<b>0.973547</b>
<b>Variation (%)</b>	<b>-1.130000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



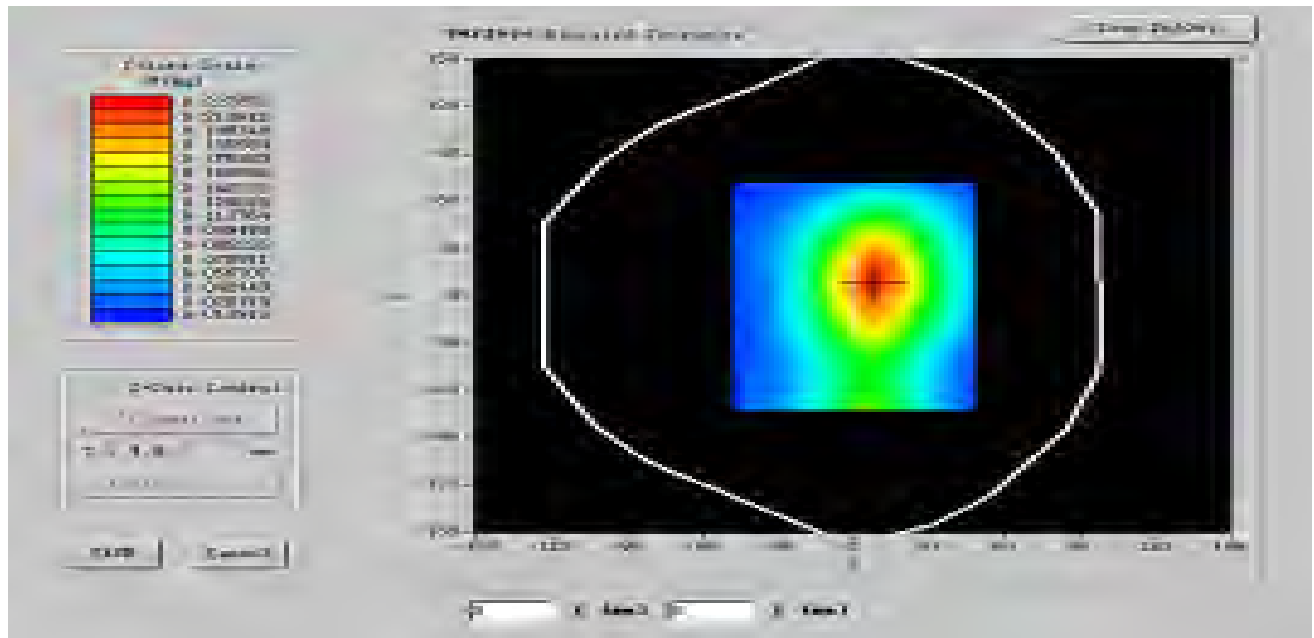
ConvF:

20.00, 19.88, 27.77

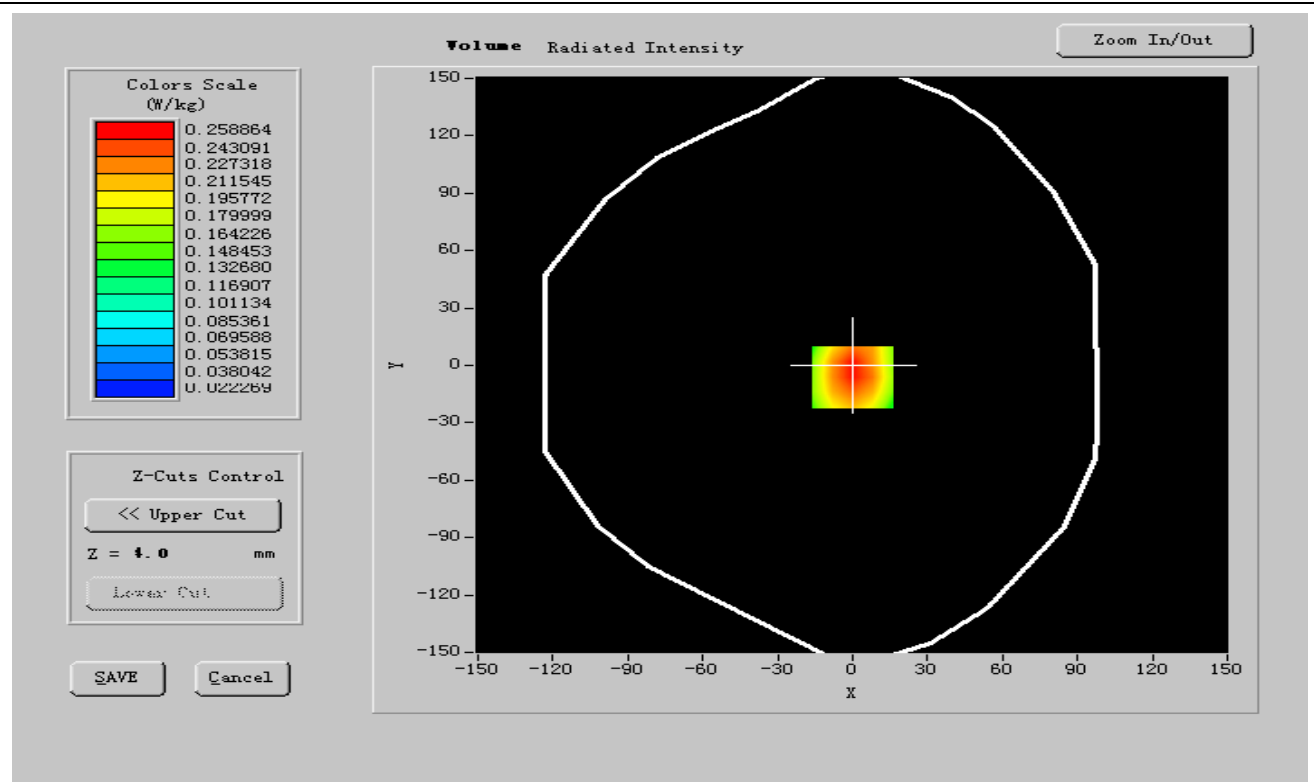
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



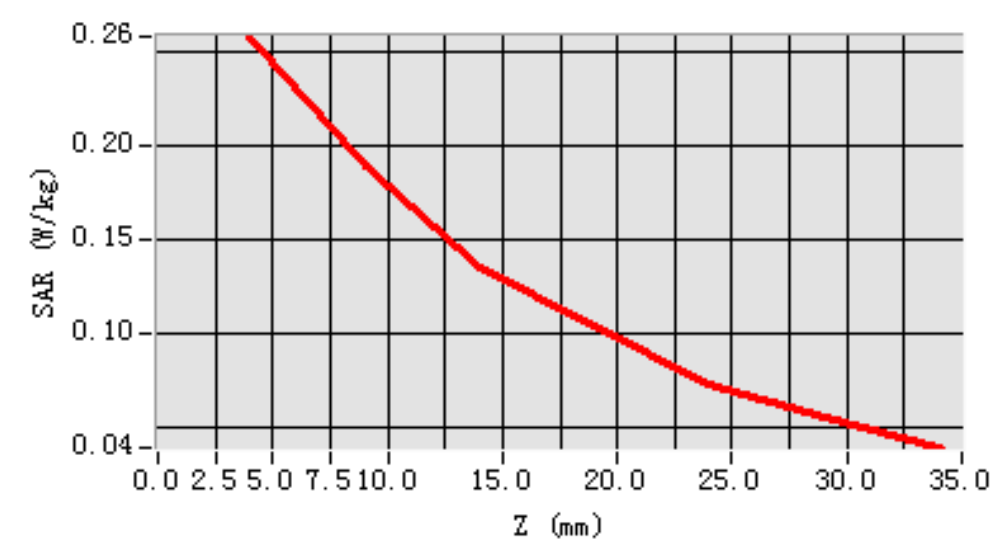


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.081418
SAR 1g (W/Kg)	0.182142

**Z Axis Scan**

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







## MEASUREMENT 14

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	FrontSide toward phantom
<b>Band</b>	WCDMA band V
<b>Channels</b>	Middle
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 835</b>	<b>Antennessa (DIPI32,SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>836.600204</b>
<b>Relative permittivity (real part)</b>	<b>56.500133</b>
<b>Relative permittivity (imaginary part)</b>	<b>21.841544</b>
<b>Conductivity (S/m)</b>	<b>0.973048</b>
<b>Variation (%)</b>	<b>-1.200000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



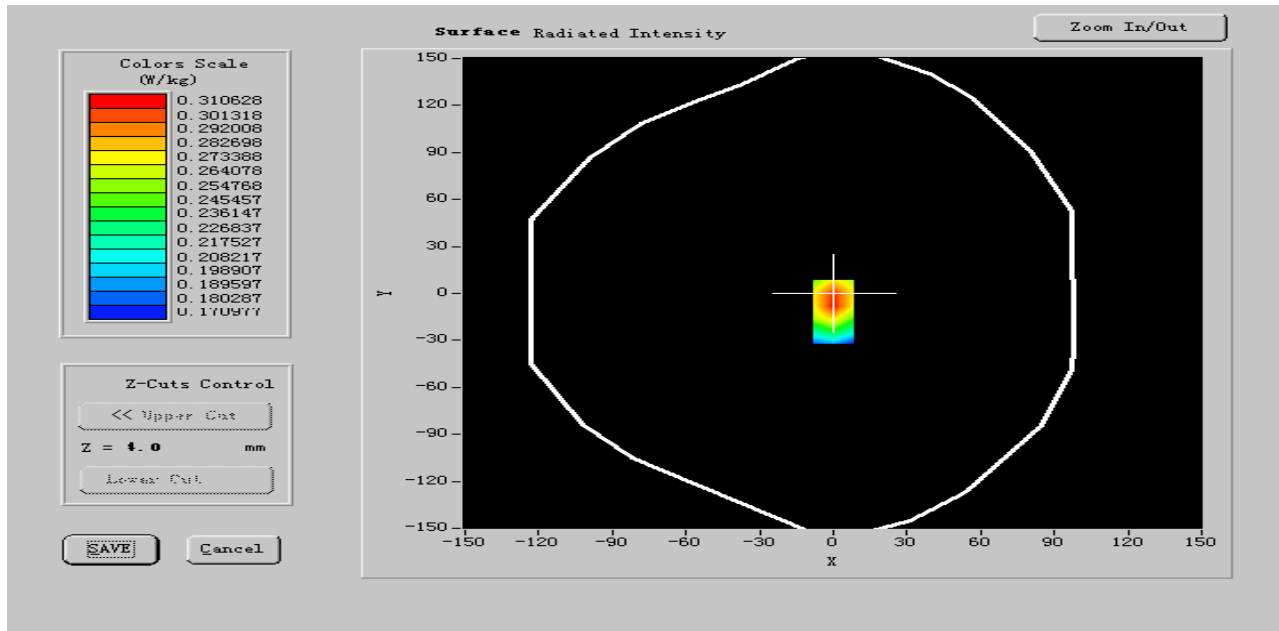
ConvF:

20.00, 19.88, 27.77

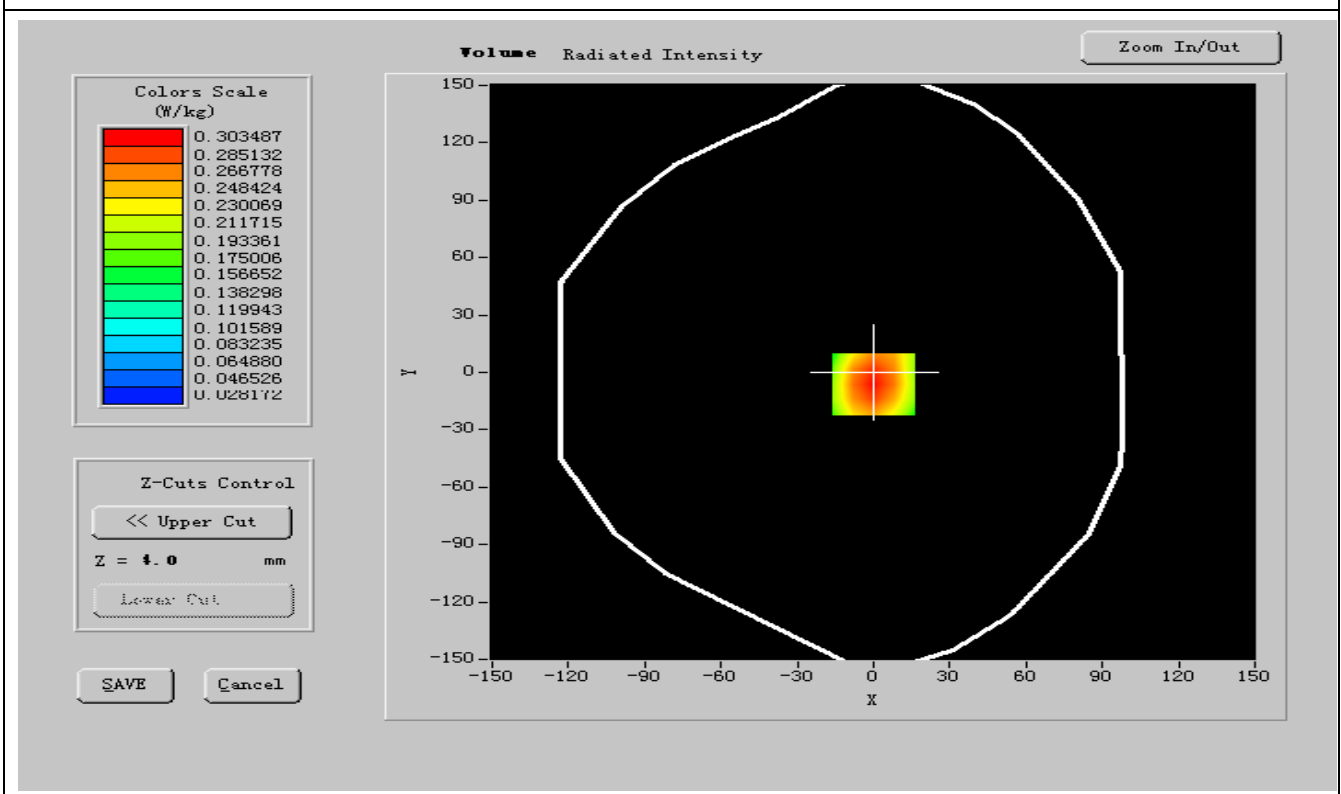
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



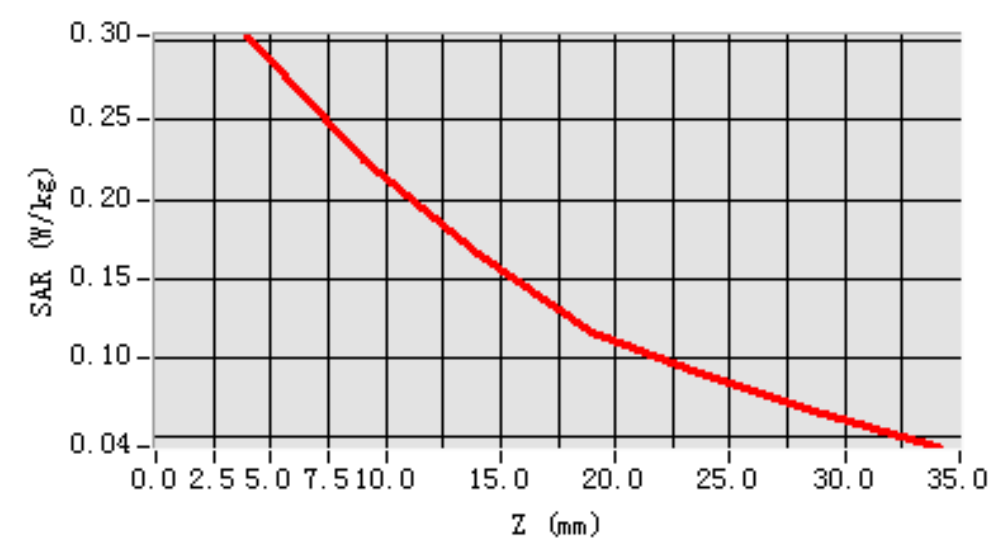


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.123114
SAR 1g (W/Kg)	0.197407

**Z Axis Scan**

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





## MEASUREMENT 15

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	FrontSide toward phantom
<b>Band</b>	WCDMA band V
<b>Channels</b>	High
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 835</b>	<b>Antennessa (DIPI32,SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>846.862406</b>
<b>Relative permittivity (real part)</b>	<b>56.523500</b>
<b>Relative permittivity (imaginary part)</b>	<b>21.793006</b>
<b>Conductivity (S/m)</b>	<b>0.972841</b>
<b>Variation (%)</b>	<b>-1.310000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



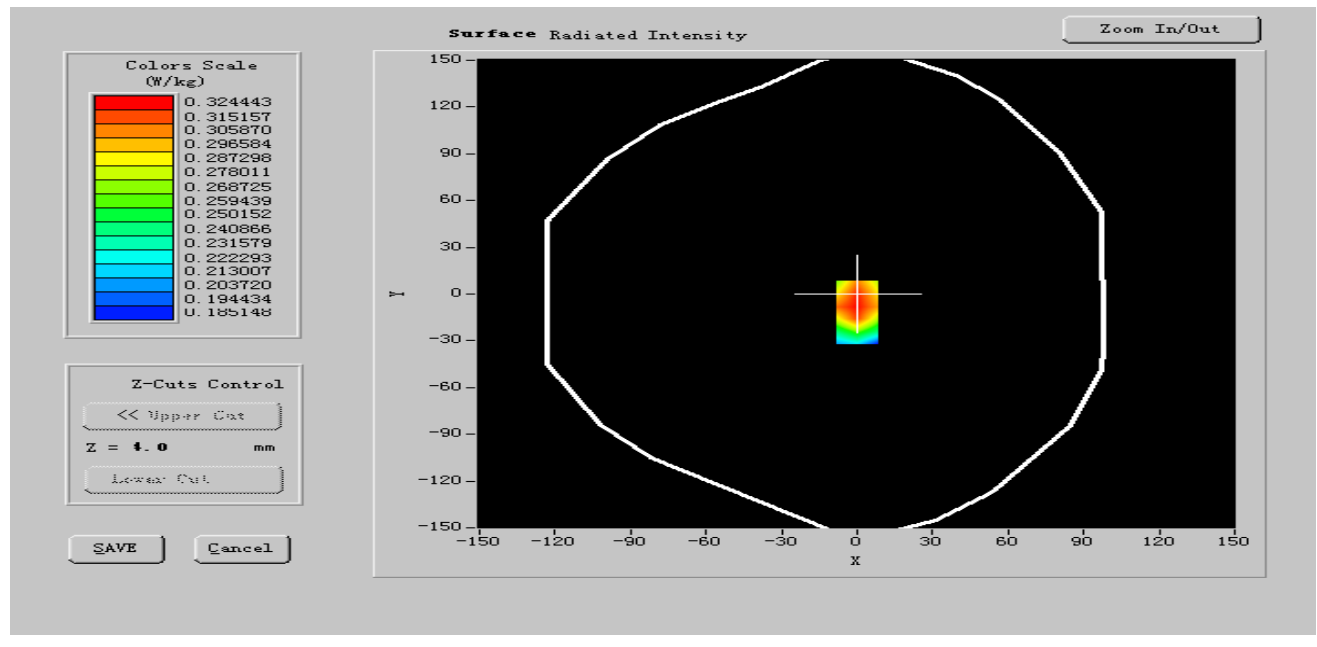
ConvF:

20.00, 19.88, 27.77

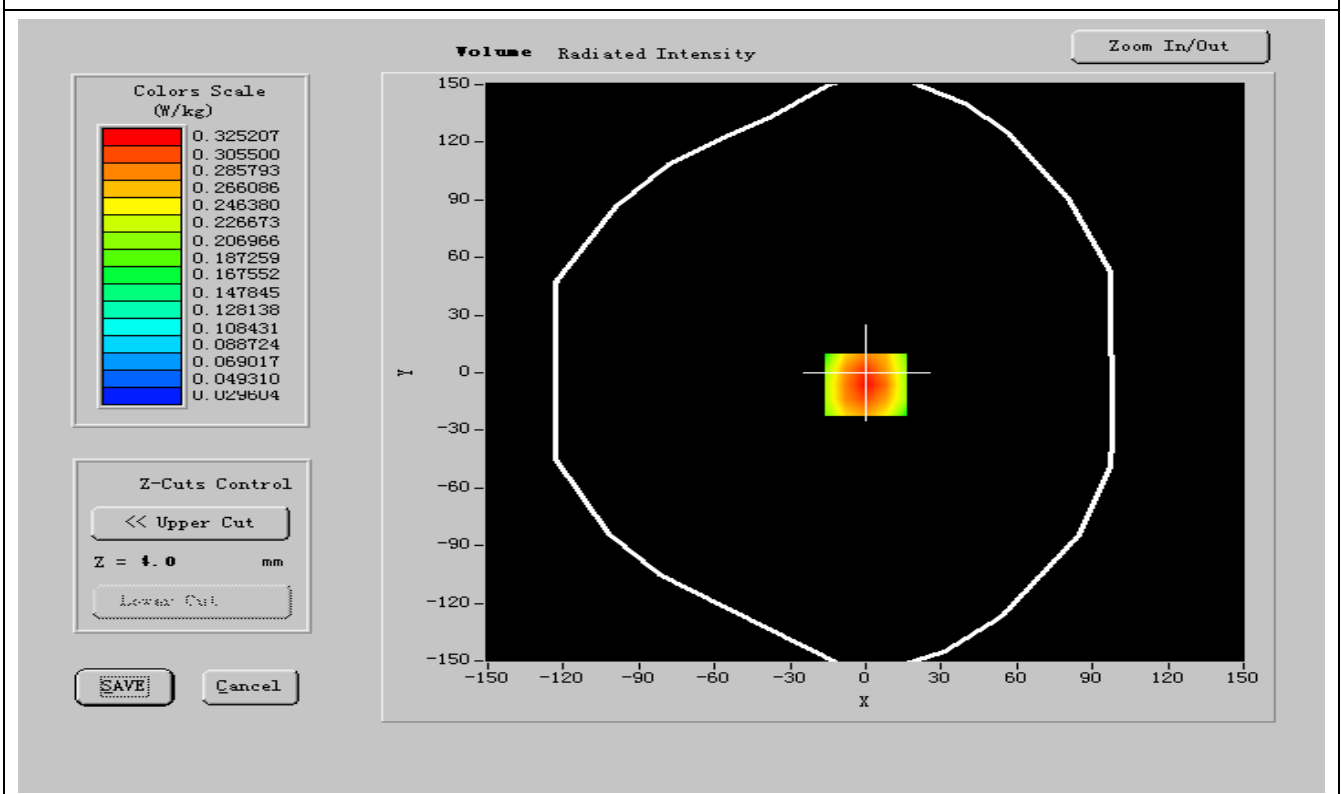
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



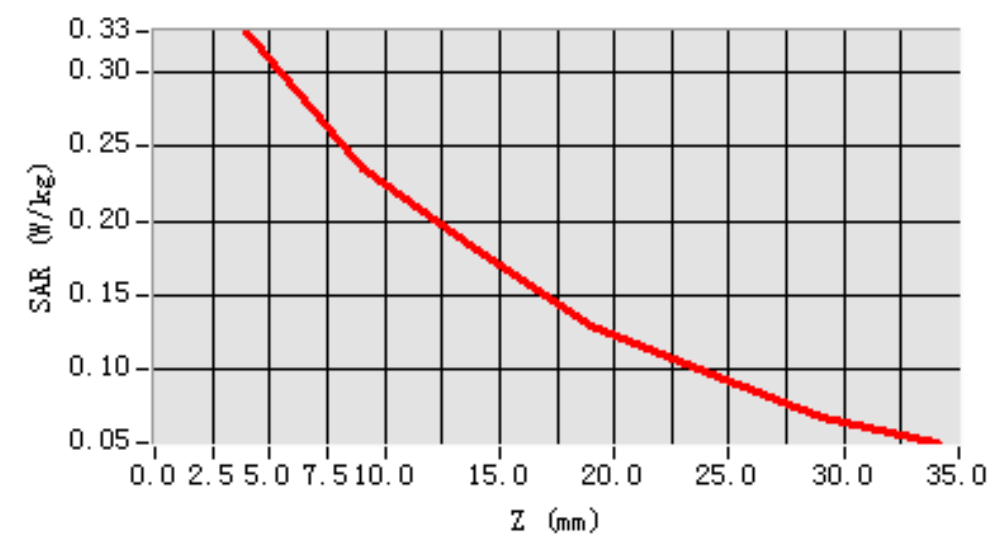


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.099145
SAR 1g (W/Kg)	0.162140

**Z Axis Scan**

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





## MEASUREMENT 16

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	BackSide toward phantom
<b>Band</b>	WCDMA band V
<b>Channels</b>	Low
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 835</b>	<b>Antennessa (DIPI32,SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

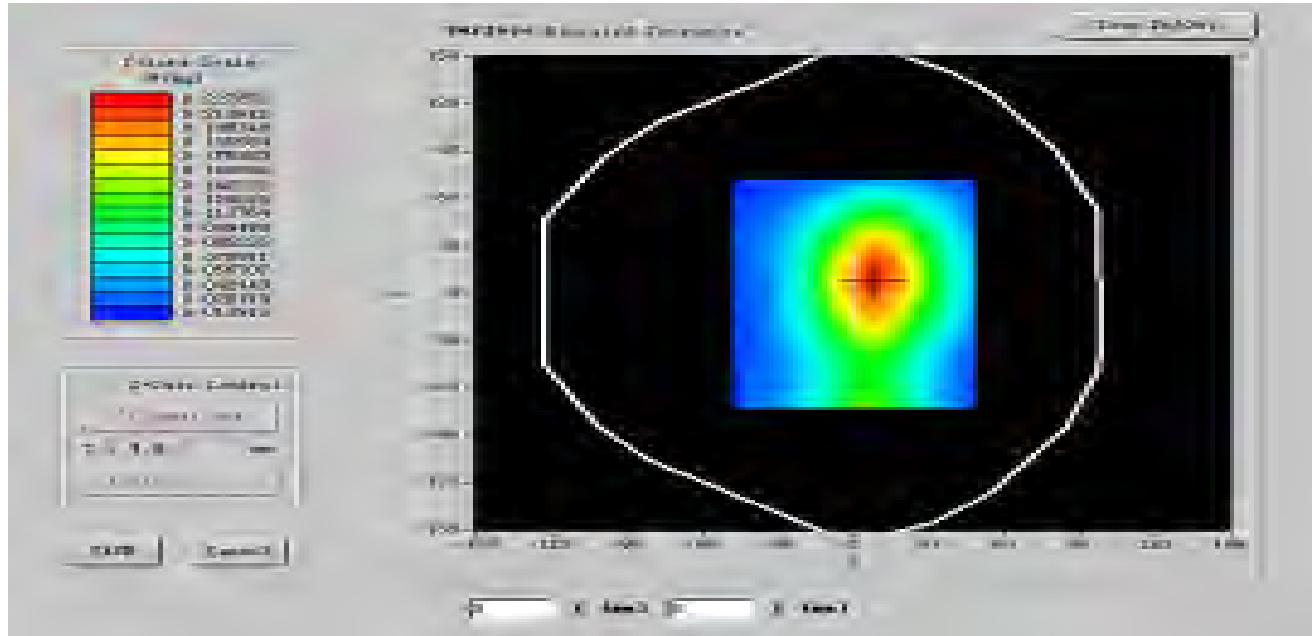
<b>Frequency (MHz)</b>	<b>826.400002</b>
<b>Relative permittivity (real part)</b>	<b>56.524510</b>
<b>Relative permittivity (imaginary part)</b>	<b>21.252631</b>
<b>Conductivity (S/m)</b>	<b>0.974231</b>
<b>Variation (%)</b>	<b>-1.120000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>
<b>ConvF:</b>	<b>20.00, 19.88, 27.77</b>



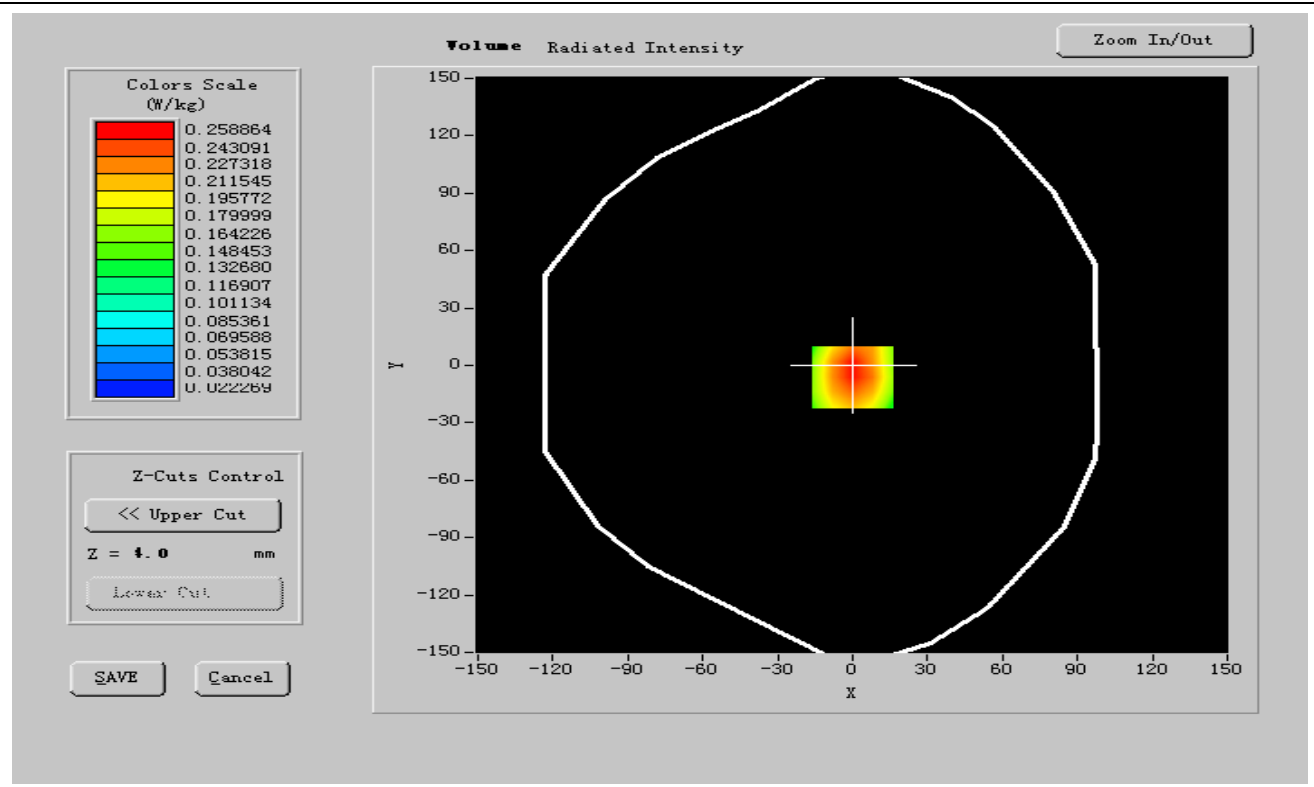
Crest factor:

1:1

### SURFACE SAR



### VOLUME SAR





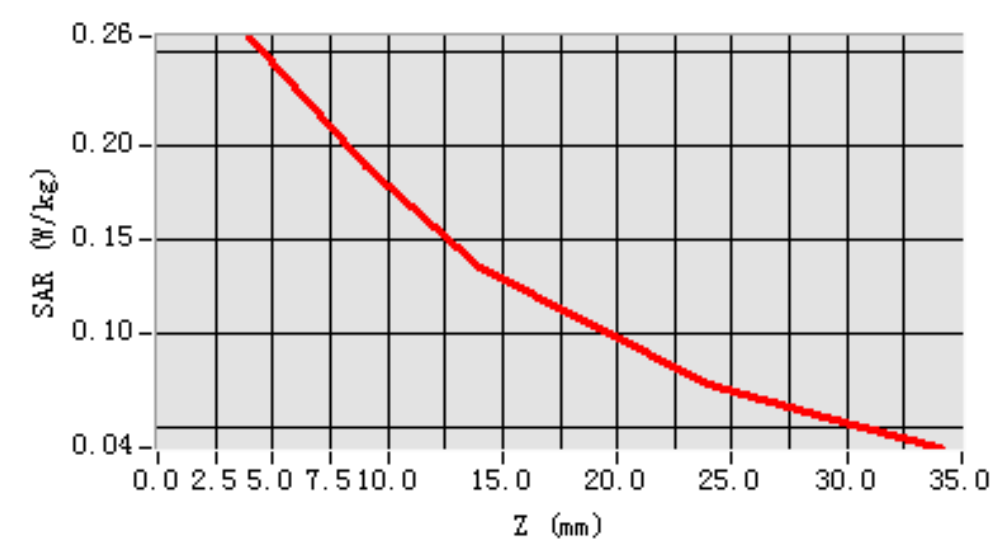


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.097412
SAR 1g (W/Kg)	0.146915

**Z Axis Scan**

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





## MEASUREMENT 17

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	BackSide toward phantom
<b>Band</b>	WCDMA band V
<b>Channels</b>	Middle
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 835</b>	<b>Antennessa (DIPI32,SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>836.600204</b>
<b>Relative permittivity (real part)</b>	<b>56.512021</b>
<b>Relative permittivity (imaginary part)</b>	<b>21.842614</b>
<b>Conductivity (S/m)</b>	<b>0.978718</b>
<b>Variation (%)</b>	<b>-1.200000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



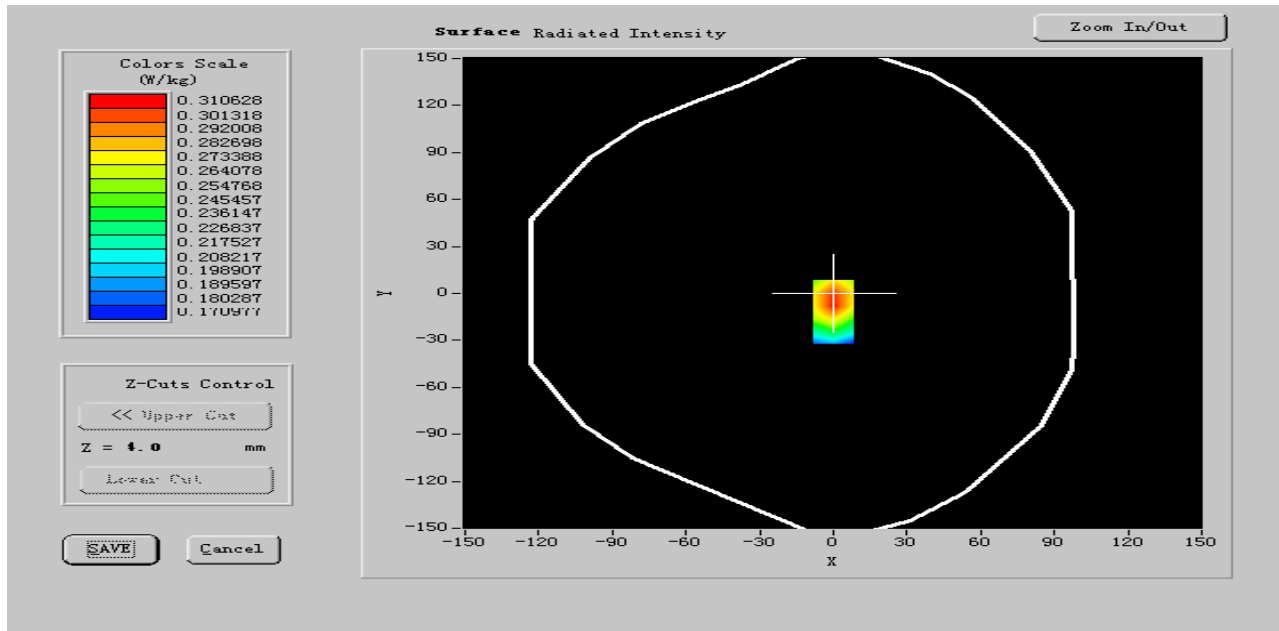
ConvF:

20.00, 19.88, 27.77

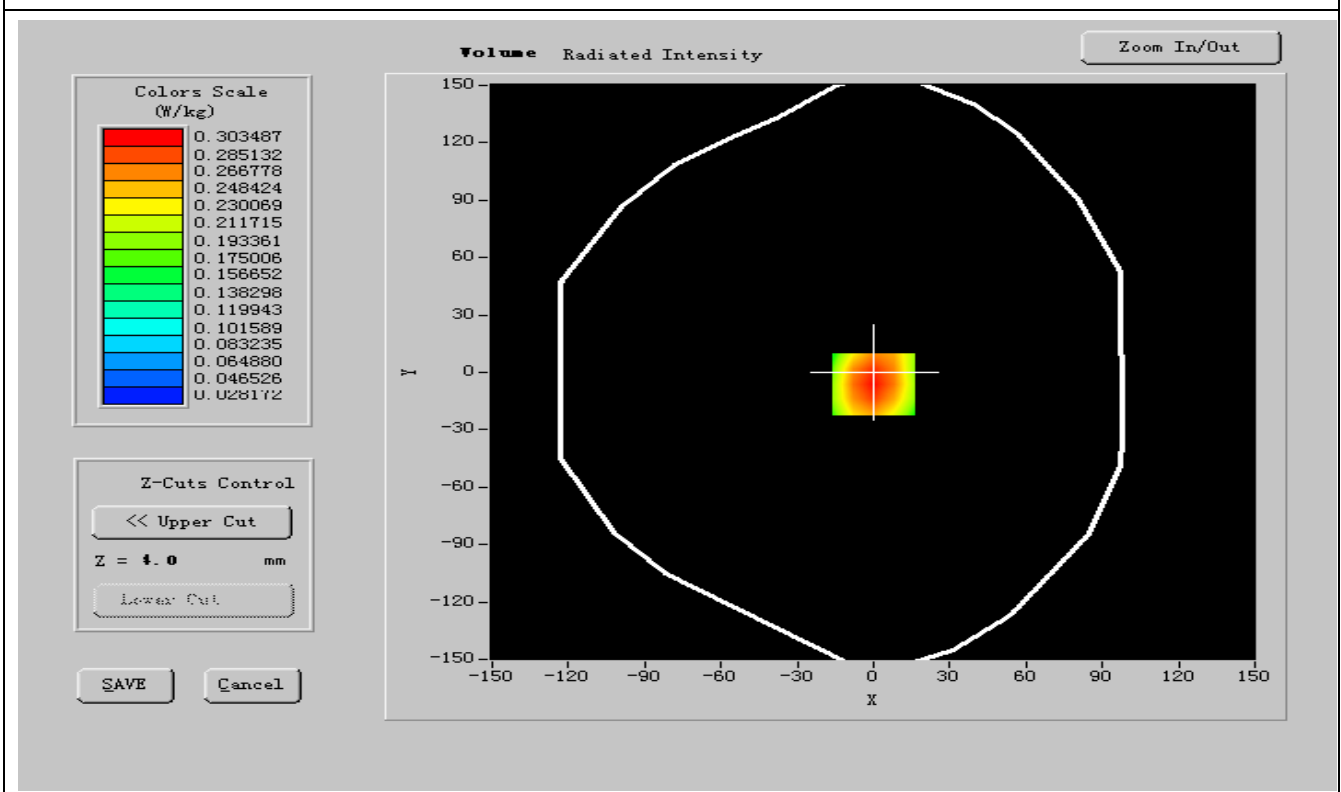
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



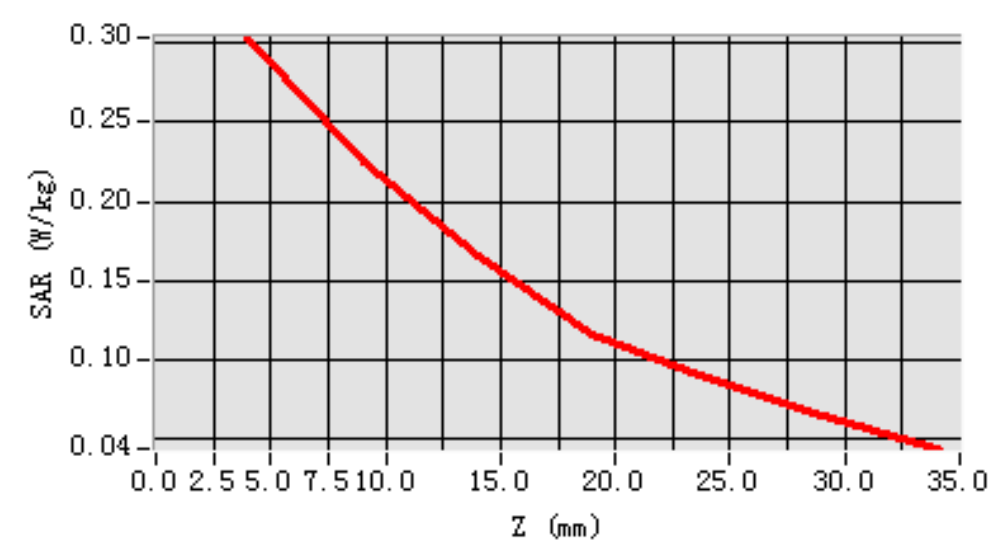


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.132151
SAR 1g (W/Kg)	0.178627

**Z Axis Scan**

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





## MEASUREMENT 18

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	BackSide toward phantom
<b>Band</b>	WCDMA band V
<b>Channels</b>	High
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 835</b>	<b>Antennessa (DIPI32,SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>846.862406</b>
<b>Relative permittivity (real part)</b>	<b>56.524621</b>
<b>Relative permittivity (imaginary part)</b>	<b>21.793236</b>
<b>Conductivity (S/m)</b>	<b>0.973251</b>
<b>Variation (%)</b>	<b>-1.320000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



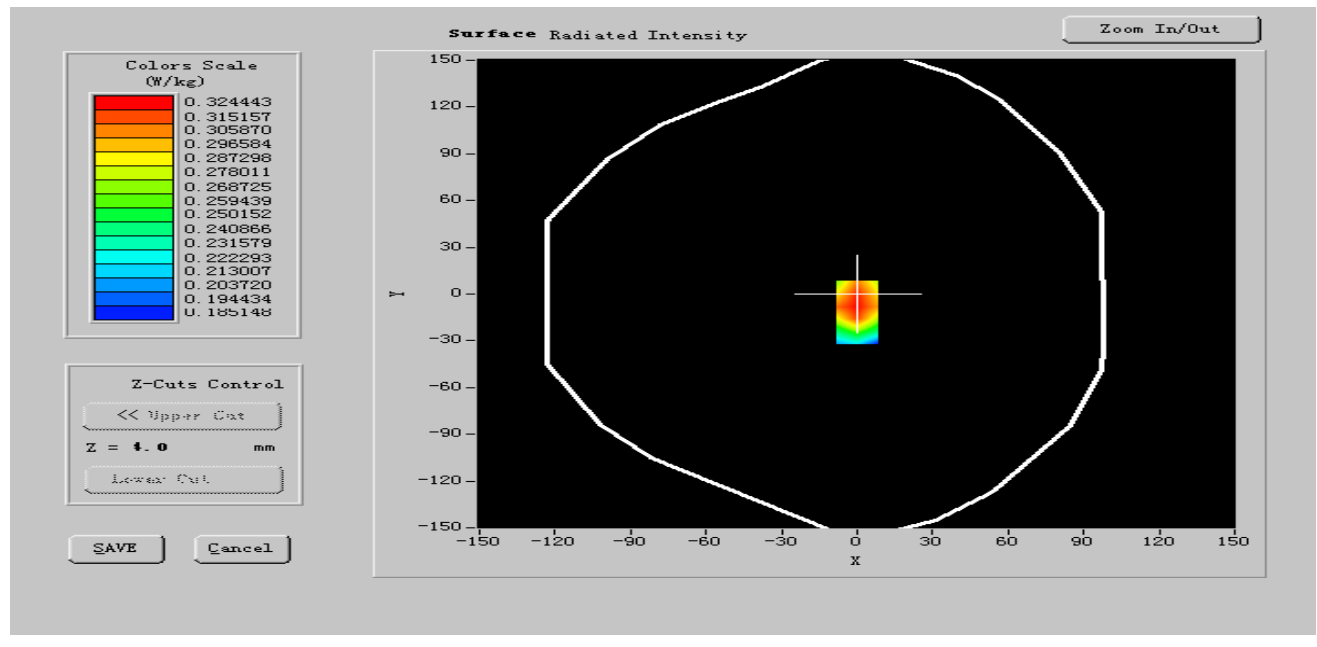
ConvF:

20.00, 19.88, 27.77

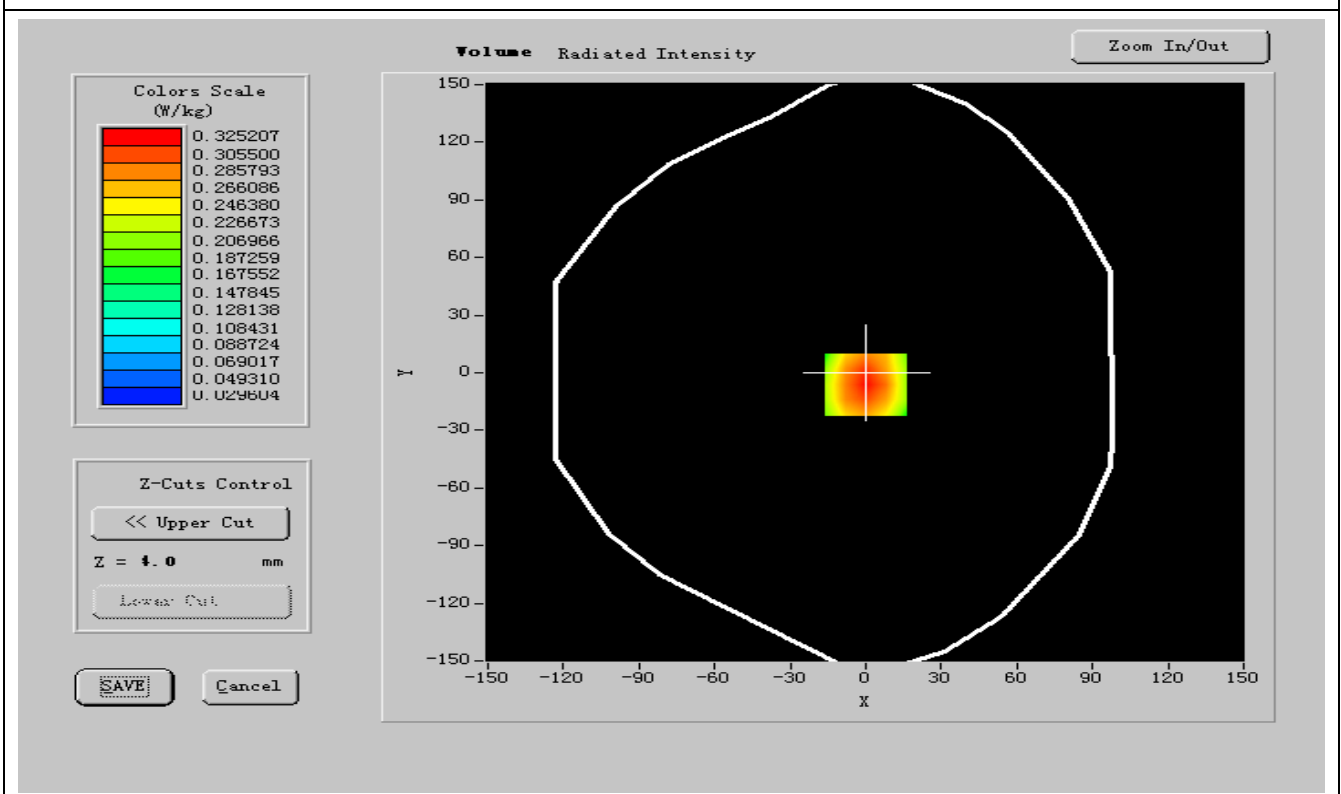
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



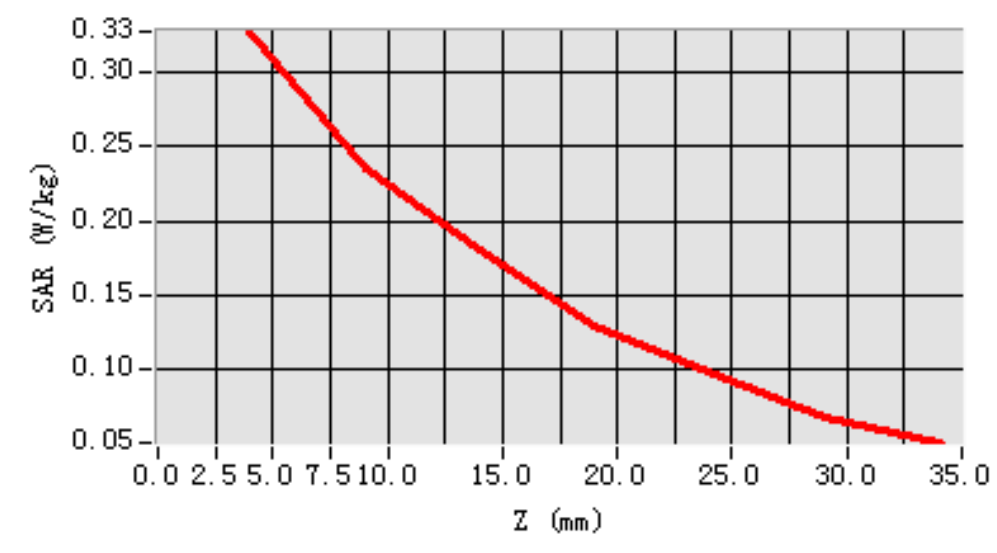


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.102362
SAR 1g (W/Kg)	0.127510

**Z Axis Scan**

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





## MEASUREMENT 19

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	FrontSide toward phantom
<b>Band</b>	HSDPA BAND V
<b>Channels</b>	Low
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 835</b>	<b>Antennessa (DIPI32,SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>826.400002</b>
<b>Relative permittivity (real part)</b>	<b>56.523884</b>
<b>Relative permittivity (imaginary part)</b>	<b>21.250339</b>
<b>Conductivity (S/m)</b>	<b>0.971852</b>
<b>Variation (%)</b>	<b>-1.130000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>
<b>ConvF:</b>	<b>20.00, 19.88, 27.77</b>

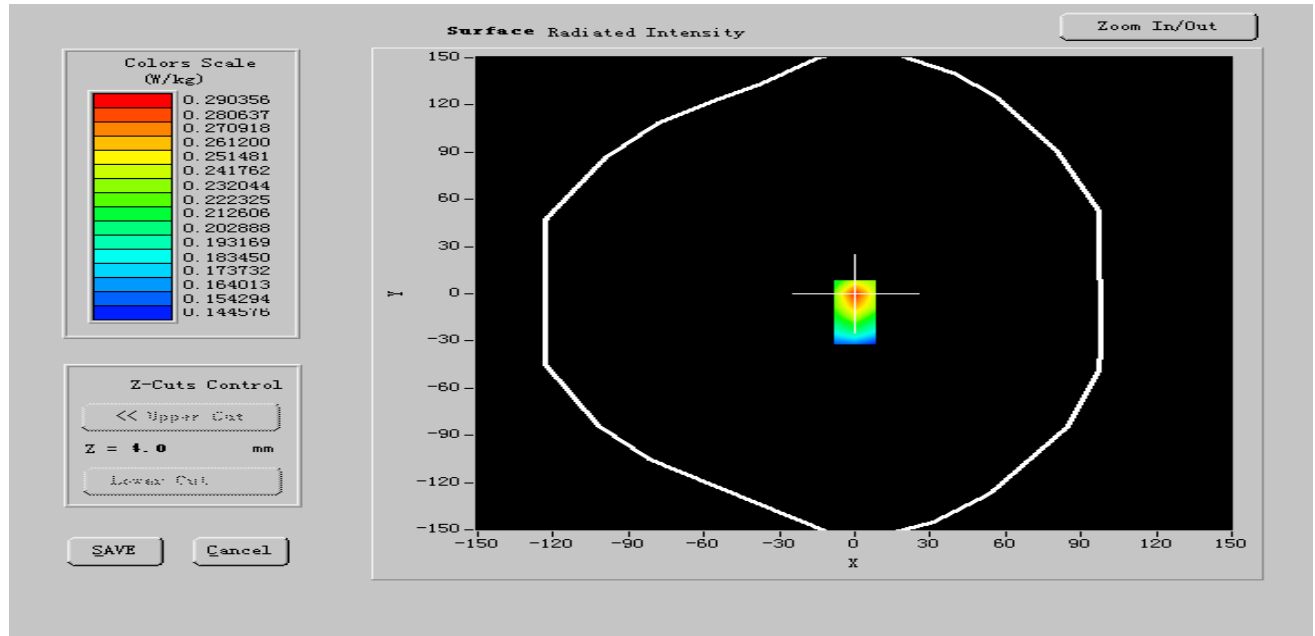




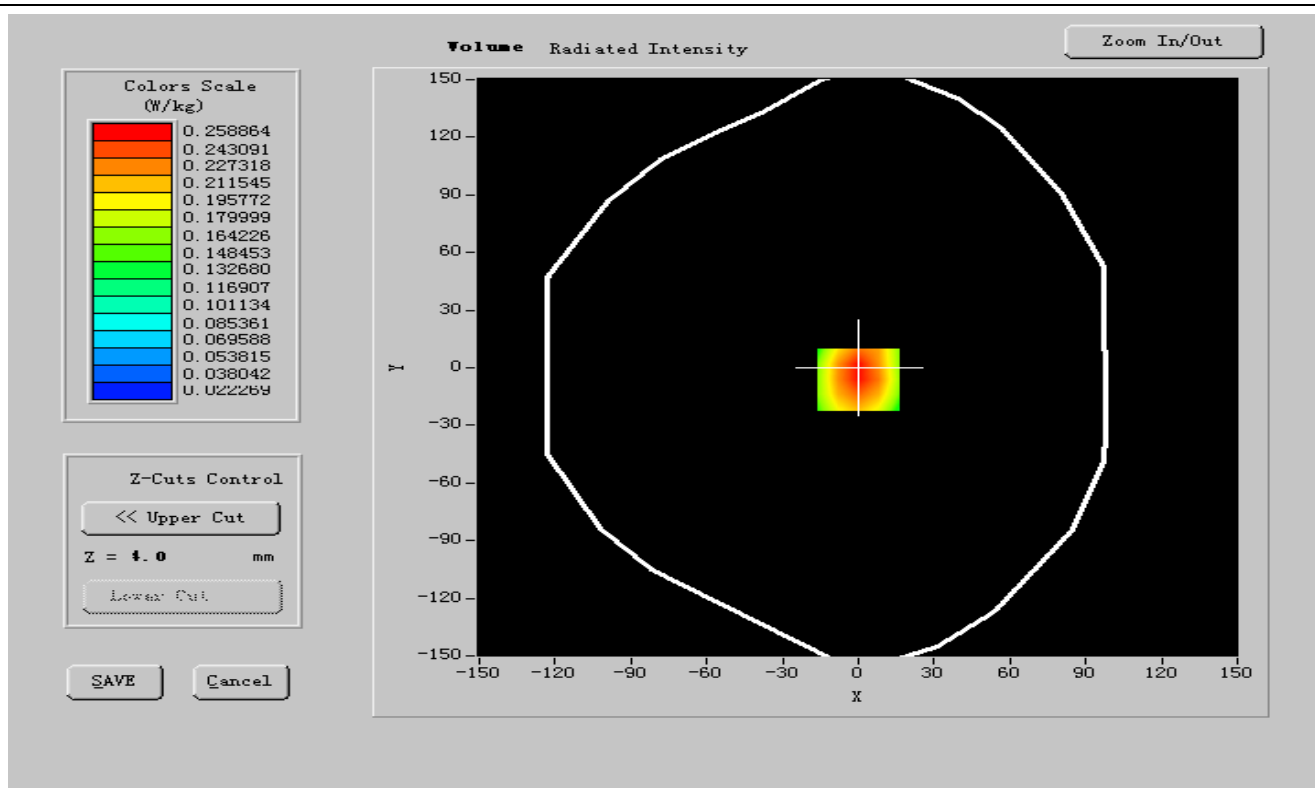
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



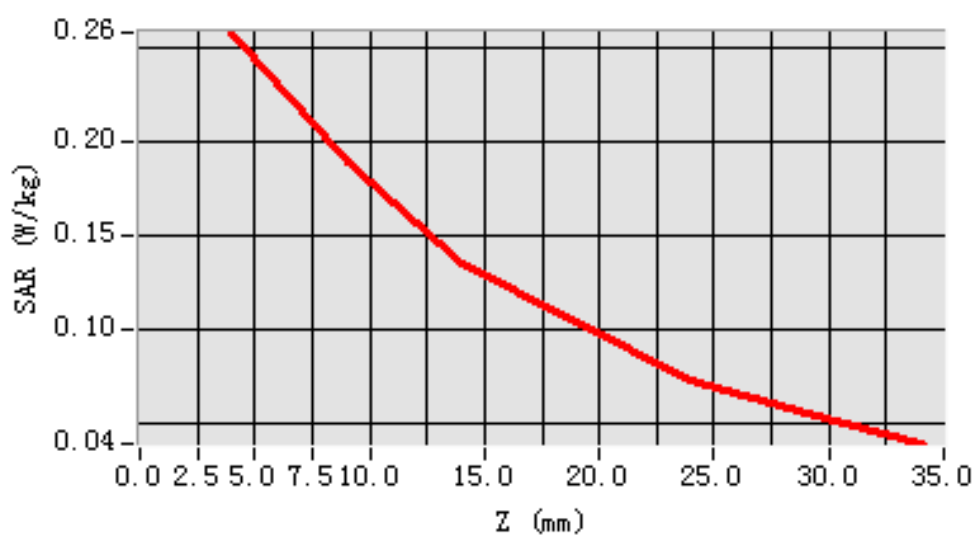


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.091251
SAR 1g (W/Kg)	0.182146

**Z Axis Scan**

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





## MEASUREMENT 20

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	FrontSide toward phantom
<b>Band</b>	HSDPA BAND V
<b>Channels</b>	Middle
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 835</b>	<b>Antennessa (DIPI32,SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

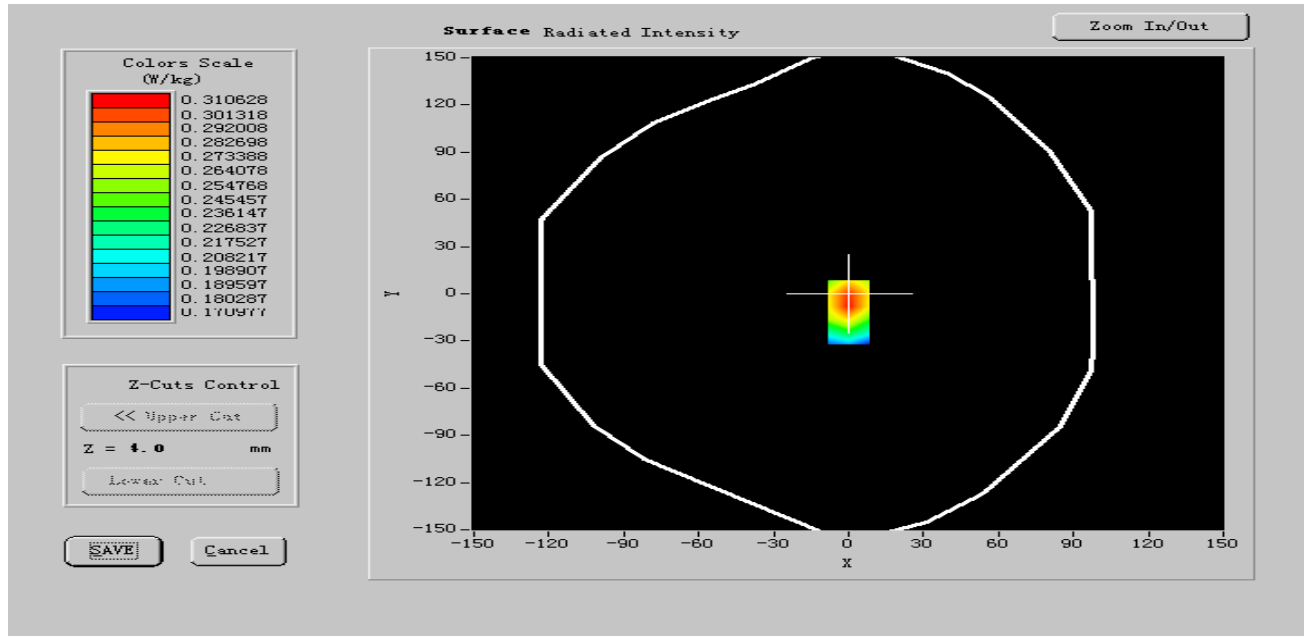
<b>Frequency (MHz)</b>	<b>836.600204</b>
<b>Relative permittivity (real part)</b>	<b>56.500336</b>
<b>Relative permittivity (imaginary part)</b>	<b>21.841775</b>
<b>Conductivity (S/m)</b>	<b>0.974308</b>
<b>Variation (%)</b>	<b>-1.200000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>
<b>ConvF:</b>	<b>20.00, 19.88, 27.77</b>



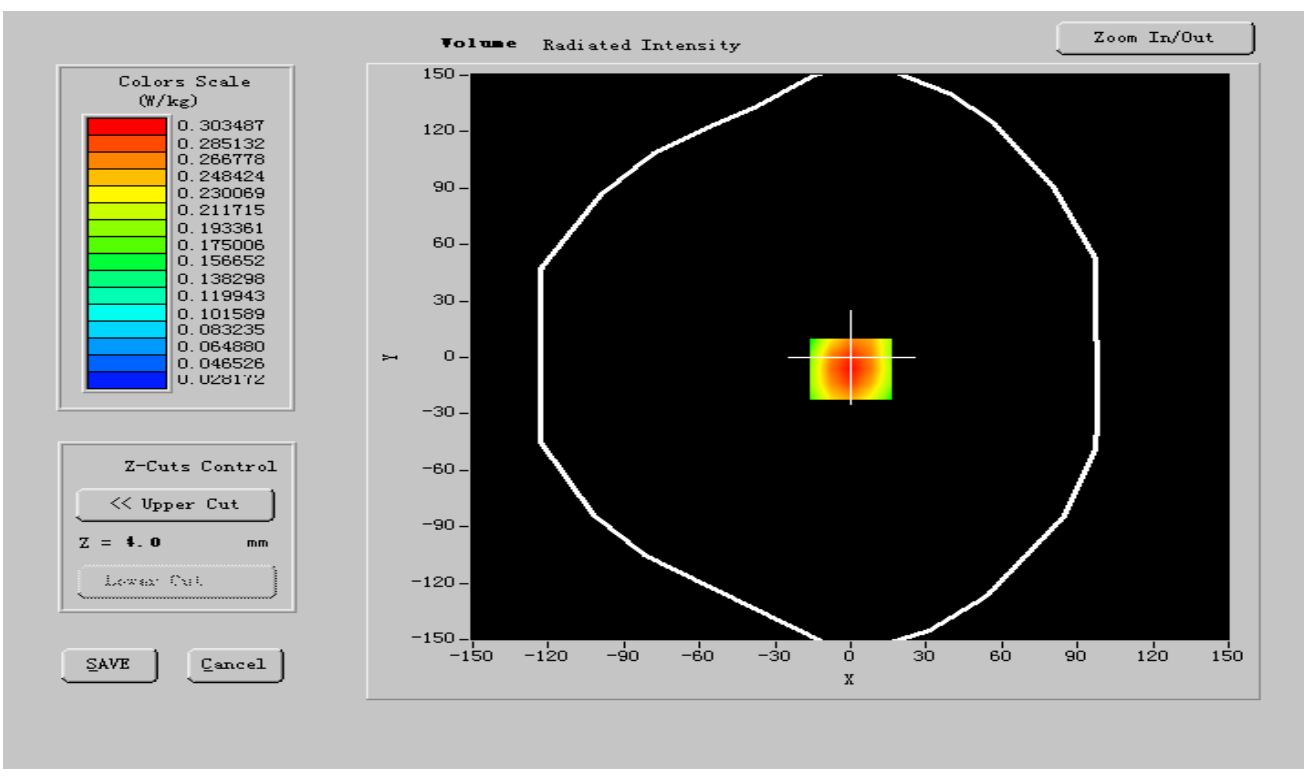
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



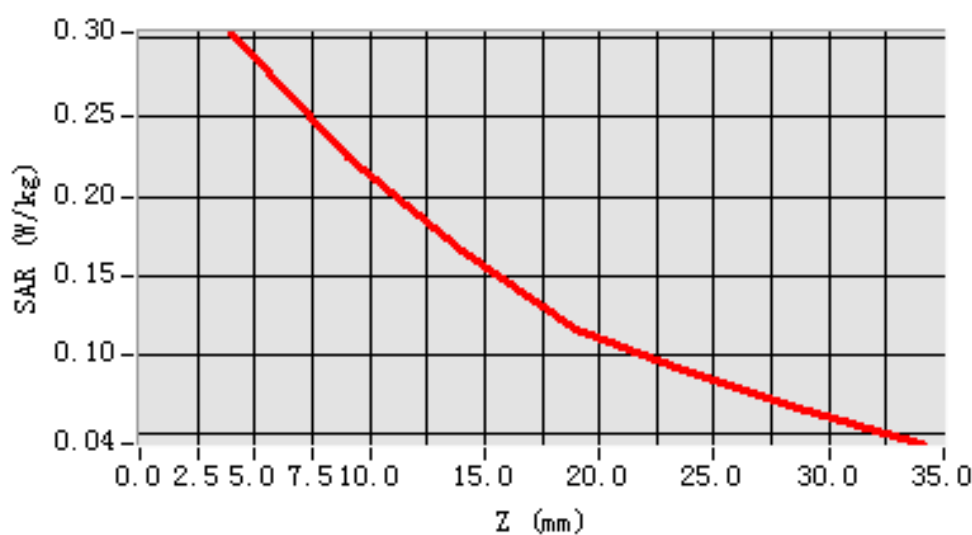


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.151238
SAR 1g (W/Kg)	0.196214

**Z Axis Scan**

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





## MEASUREMENT 21

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	FrontSide toward phantom
<b>Band</b>	HADPA BAND V
<b>Channels</b>	High
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 835</b>	<b>Antennessa (DIPI32,SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

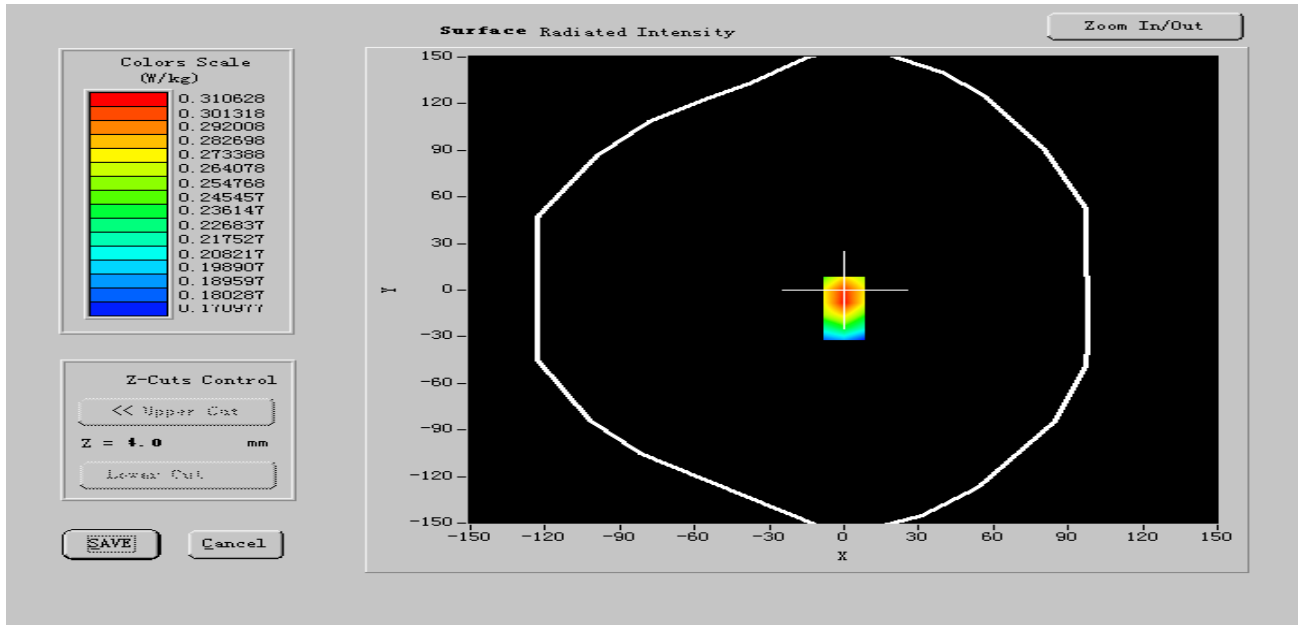
<b>Frequency (MHz)</b>	<b>846.862406</b>
<b>Relative permittivity (real part)</b>	<b>56.524112</b>
<b>Relative permittivity (imaginary part)</b>	<b>21.792205</b>
<b>Conductivity (S/m)</b>	<b>0.973211</b>
<b>Variation (%)</b>	<b>-1.310000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>
<b>ConvF:</b>	<b>20.00, 19.88, 27.77</b>



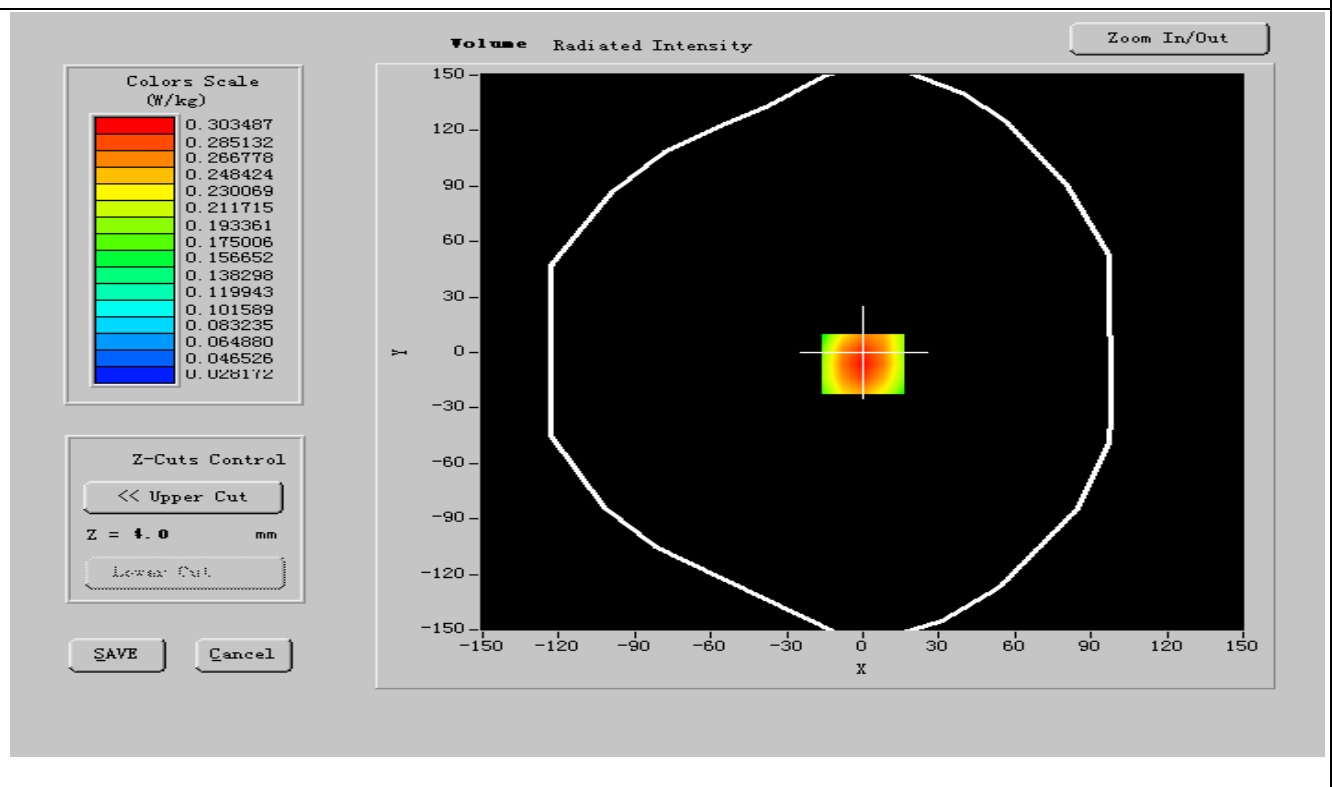
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



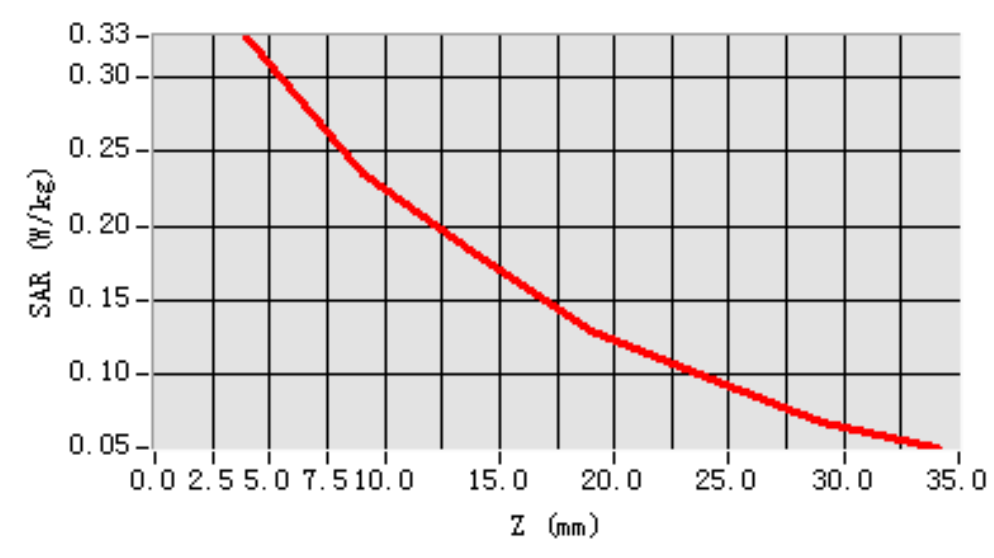


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.120216
SAR 1g (W/Kg)	0.173217

**Z Axis Scan**

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





**MEASUREMENT 22****Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	BackSide toward phantom
<b>Band</b>	HSDPA BAND V
<b>Channels</b>	Low
<b>Signal</b>	WCDMA

**B. Instrumentations.**

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 835</b>	<b>Antennessa (DIPI32,SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

**C. SAR Measurement Results**

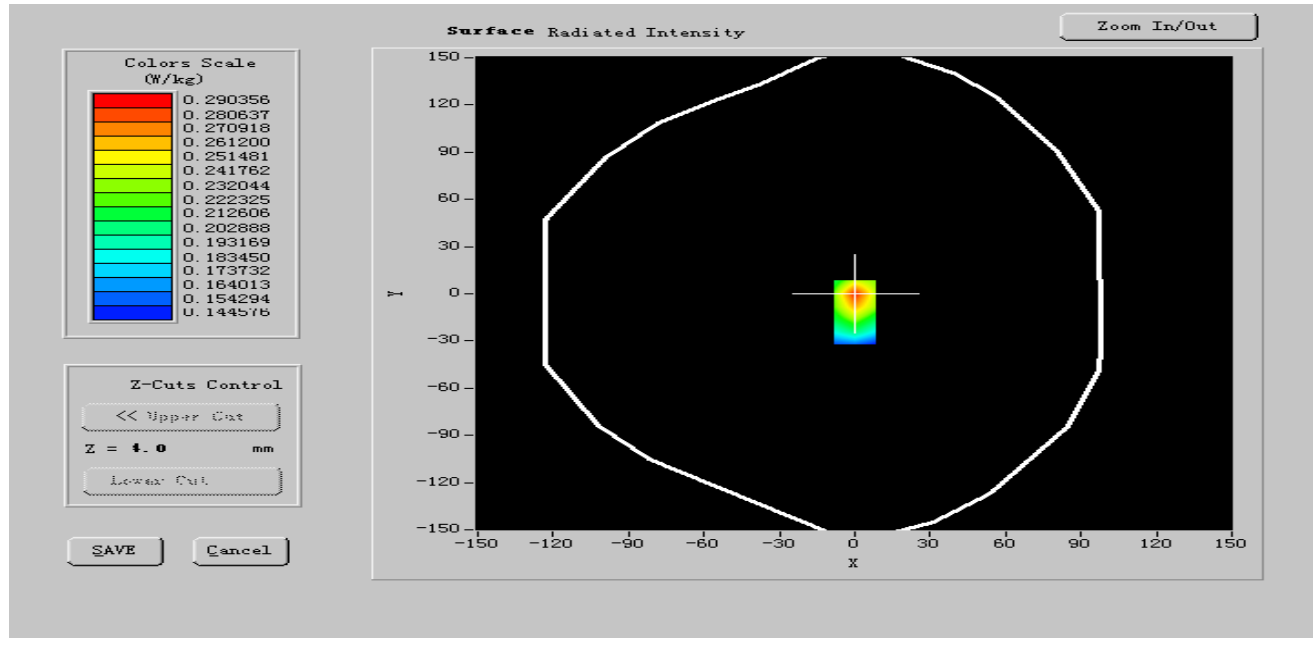
<b>Frequency (MHz)</b>	<b>826.400002</b>
<b>Relative permittivity (real part)</b>	<b>56.523884</b>
<b>Relative permittivity (imaginary part)</b>	<b>21.250339</b>
<b>Conductivity (S/m)</b>	<b>0.971852</b>
<b>Variation (%)</b>	<b>-1.130000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>
<b>ConvF:</b>	<b>20.00, 19.88, 27.77</b>



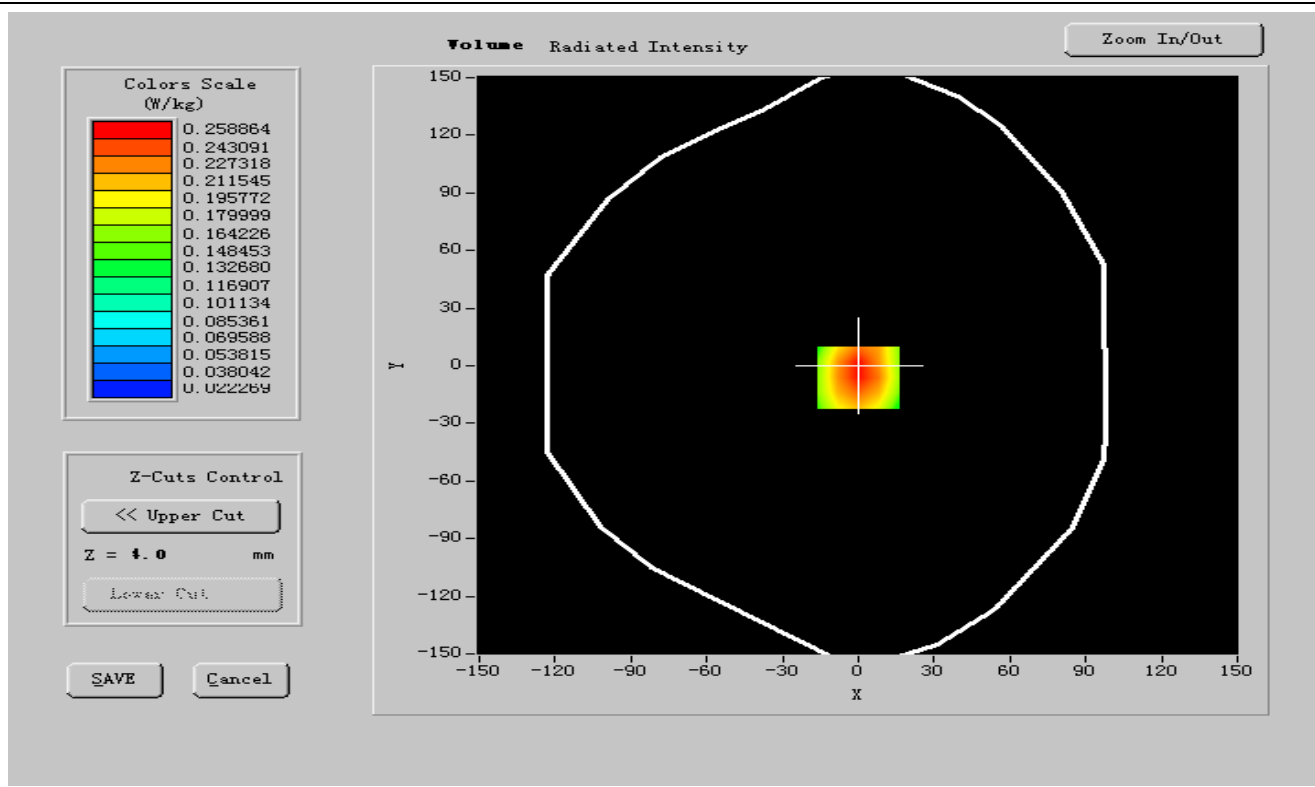
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



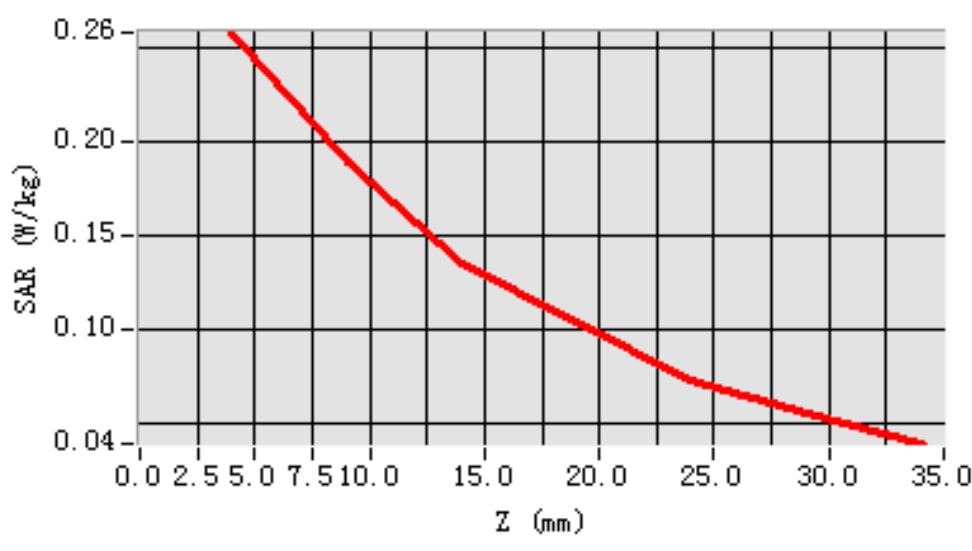


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.095411
SAR 1g (W/Kg)	0.148210

**Z Axis Scan**

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



**MEASUREMENT 23****Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	backSide toward phantom
<b>Band</b>	HSDPA BAND V
<b>Channels</b>	Middle
<b>Signal</b>	WCDMA

**B. Instrumentations.**

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 835</b>	<b>Antennessa (DIPI32,SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

**C. SAR Measurement Results**

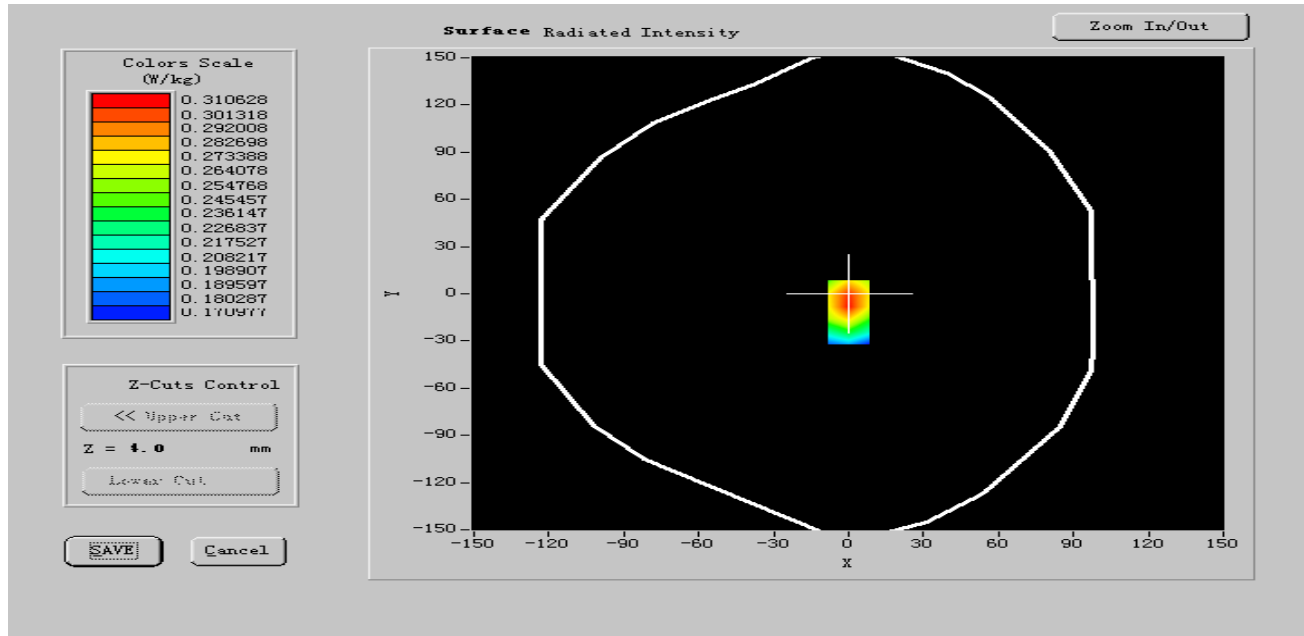
<b>Frequency (MHz)</b>	<b>836.600204</b>
<b>Relative permittivity (real part)</b>	<b>56.502366</b>
<b>Relative permittivity (imaginary part)</b>	<b>21.842713</b>
<b>Conductivity (S/m)</b>	<b>0.973218</b>
<b>Variation (%)</b>	<b>-1.200000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>
<b>ConvF:</b>	<b>20.00, 19.88, 27.77</b>



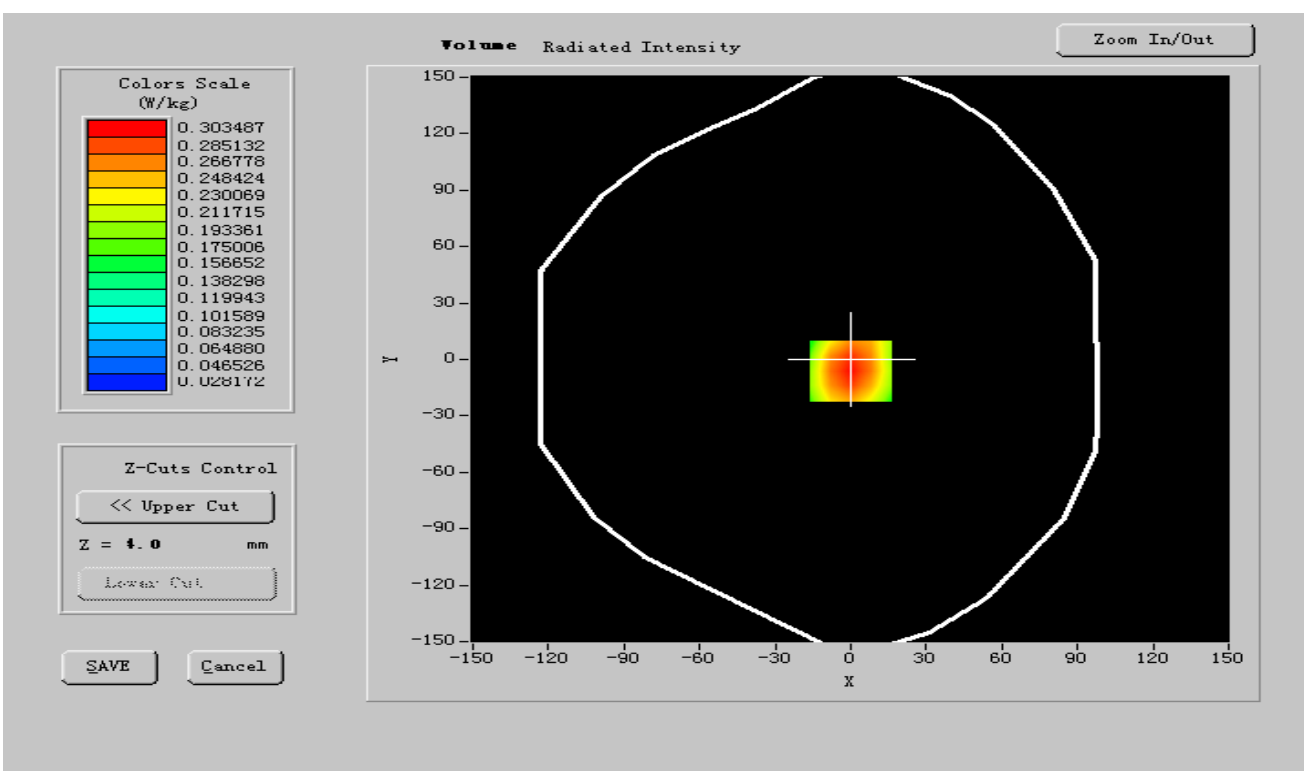
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



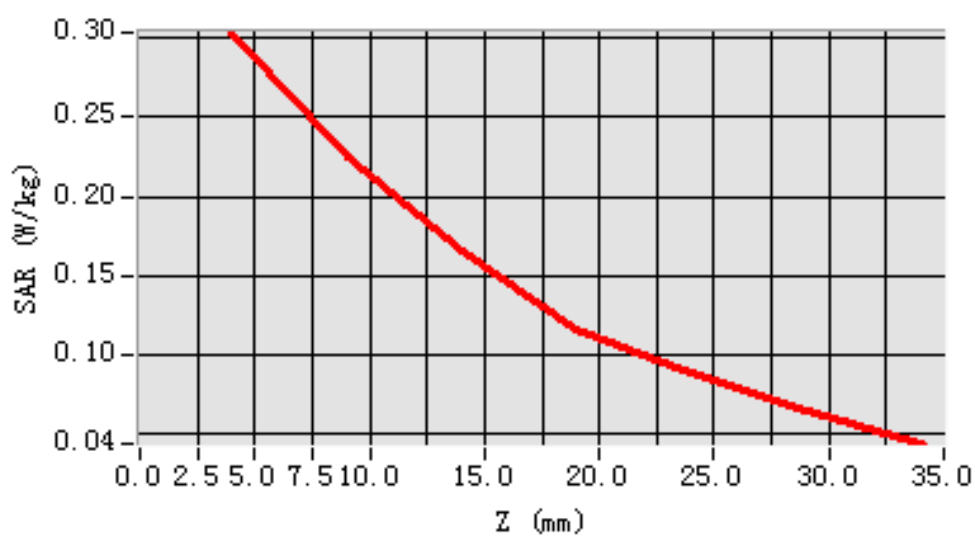


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.152310
SAR 1g (W/Kg)	0.189624

**Z Axis Scan**

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



**MEASUREMENT 24****Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	backSide toward phantom
<b>Band</b>	HADPA BAND V
<b>Channels</b>	High
<b>Signal</b>	WCDMA

**B. Instrumentations.**

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 835</b>	<b>Antennessa (DIPI32,SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

**C. SAR Measurement Results**

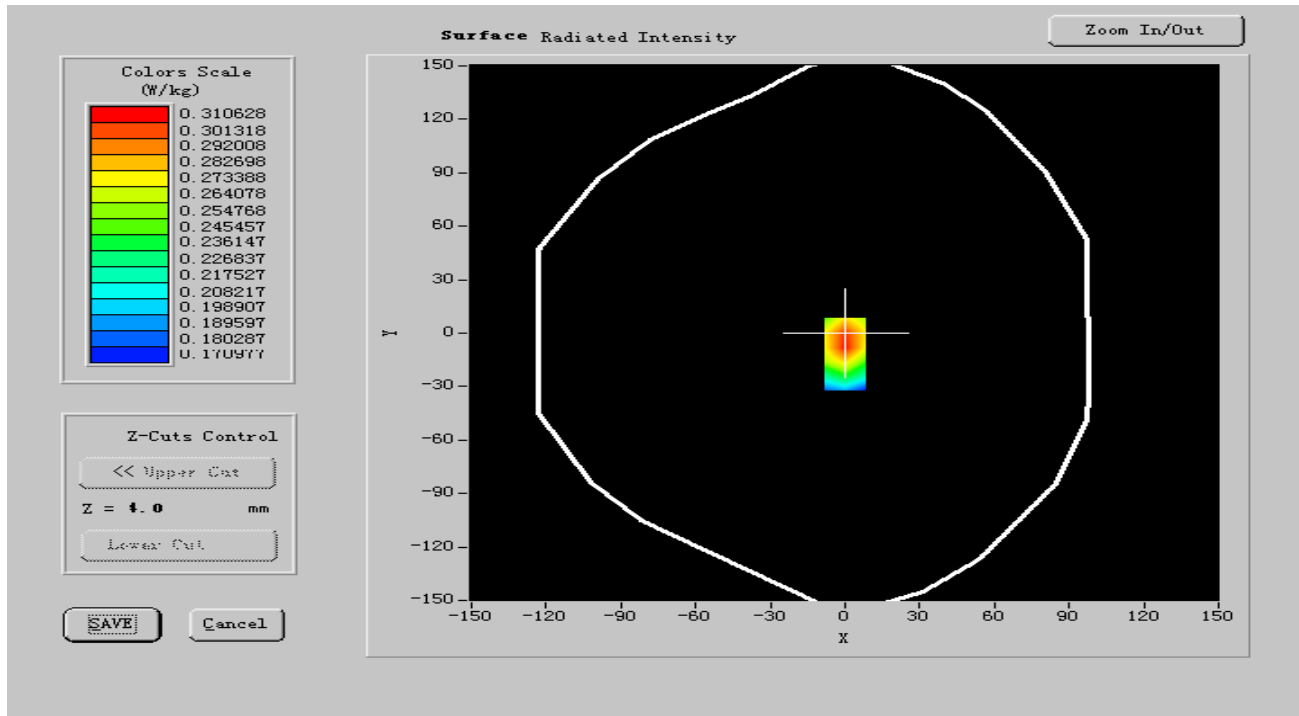
<b>Frequency (MHz)</b>	<b>846.862406</b>
<b>Relative permittivity (real part)</b>	<b>56.526922</b>
<b>Relative permittivity (imaginary part)</b>	<b>21.792135</b>
<b>Conductivity (S/m)</b>	<b>0.974201</b>
<b>Variation (%)</b>	<b>-1.310000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>
<b>ConvF:</b>	<b>20.00, 19.88, 27.77</b>



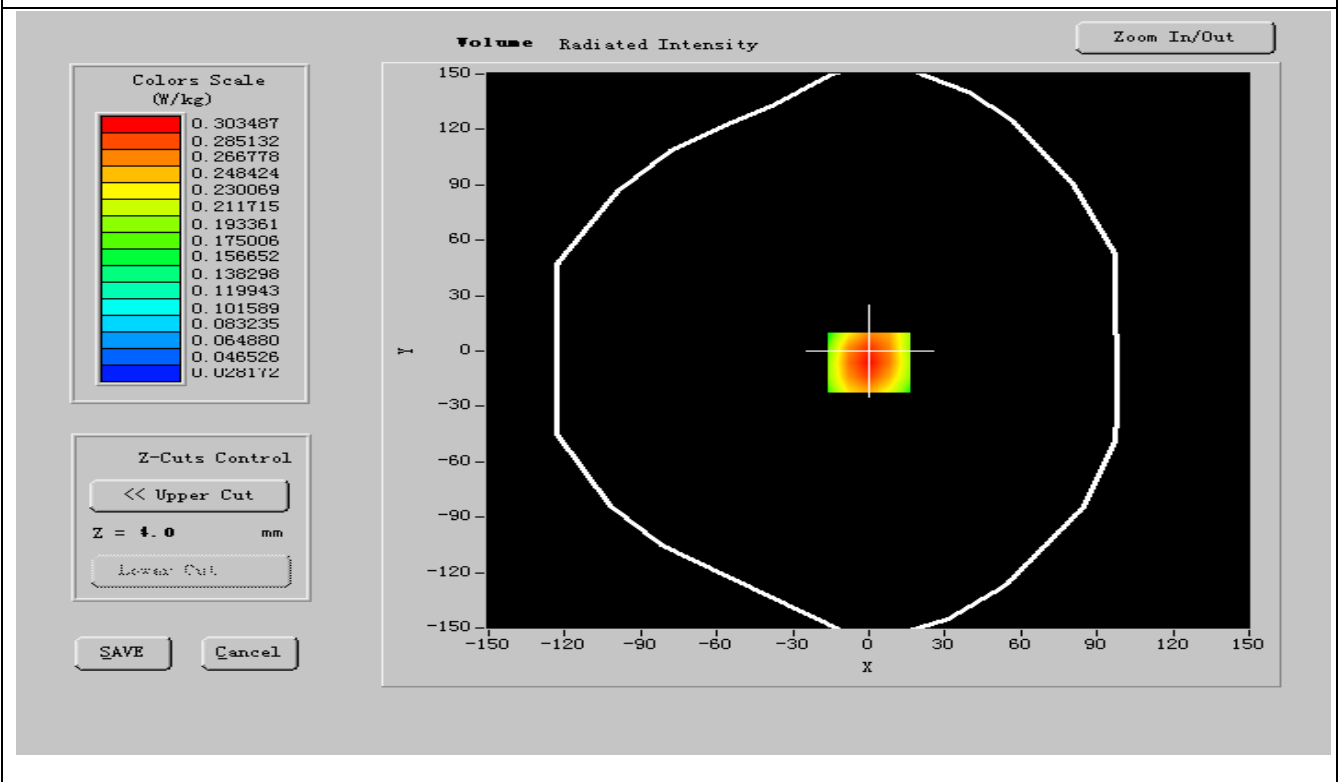
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR





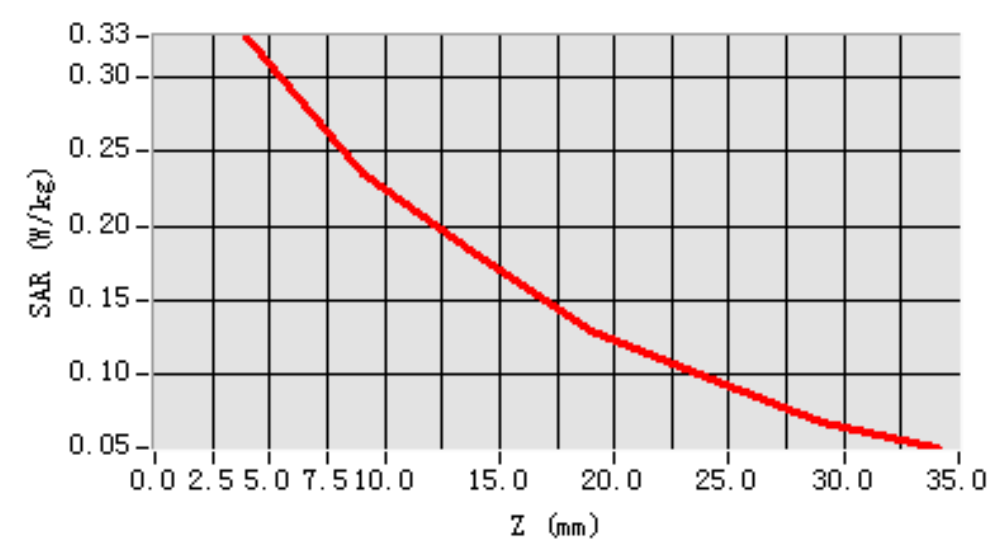


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.123601
SAR 1g (W/Kg)	0.149217

**Z Axis Scan**

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



**IIII. WCDMA BAND II RESULTS**

<b><u>TYPE</u></b>	<b><u>PARAMETERS</u></b>
<b><u>Phone</u></b>	<u>Measurement 1:</u> Right Head with Cheek device position on Low Channel in WCDMA BAND II mode <u>Measurement 2:</u> Right Head with Cheek device position on Middle Channel in WCDMA BAND II mode <u>Measurement 3:</u> Right Head with Cheek device position on High Channel in WCDMA BAND II mode <u>Measurement 4:</u> Right Head with Tilt device position on Low Channel in WCDMA BAND II mode <u>Measurement 5:</u> Right Head with Tilt device position on Middle Channel in WCDMA BAND II mode <u>Measurement 6:</u> Right Head with Tilt device position on High Channel in WCDMA BAND II mode <u>Measurement 7:</u> Left Head with Cheek device position on Low Channel in WCDMA BAND II mode <u>Measurement 8:</u> Left Head with Cheek device position on Middle Channel in WCDMA BAND II mode <u>Measurement 9:</u> Left Head with Cheek device position on High Channel in WCDMA BAND II mode <u>Measurement 10:</u> Left Head with Tilt device position on Low Channel in WCDMA BAND II mode <u>Measurement 11:</u> Left Head with Tilt device position on Middle Channel in WCDMA BAND II mode <u>Measurement 12:</u> Left Head with Tilt device position on High Channel in WCDMA BAND II mode <u>Measurement 13:</u> ForntSide toward phantom on Low Channel in WCDMA BAND II mode <u>Measurement 14:</u> ForntSide toward phantom on Middle Channel in WCDMA BAND II mode <u>Measurement 15:</u> ForntSide toward phantom on High Channel in WCDMA BAND II mode <u>Measurement 16:</u> BackSide toward phantom on Low Channel in WCDMA BAND II mode <u>Measurement 17:</u> BackSide toward phantom on Middle Channel in WCDMA BAND II mode <u>Measurement 18:</u> BackSide toward phantom on High Channel in WCDMA BAND II mode <u>Measurement 19:</u> ForntSide toward phantom on Low Channel in HSDPA BAND II mode <u>Measurement 20:</u> ForntSide toward phantom on Middle



	<p>Channel in HSDPA BAND II mode</p> <p><u>Measurement 21:</u> ForntSide toward phantom on High Channel in HSDPA BAND II mode</p> <p><u>Measurement 22:</u> BackSide toward phantom on Low Channel in HSDPA BAND II mode</p> <p><u>Measurement 23:</u> BackSide toward phantom on Middle Channel in HSDPA BAND II mode</p> <p><u>Measurement 24:</u> BackSide toward phantom on High Channel in HSDPA BAND II mode</p>
--	--



## MEASUREMENT 1

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	WCDMA BAND II
<b>Channels</b>	Low
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

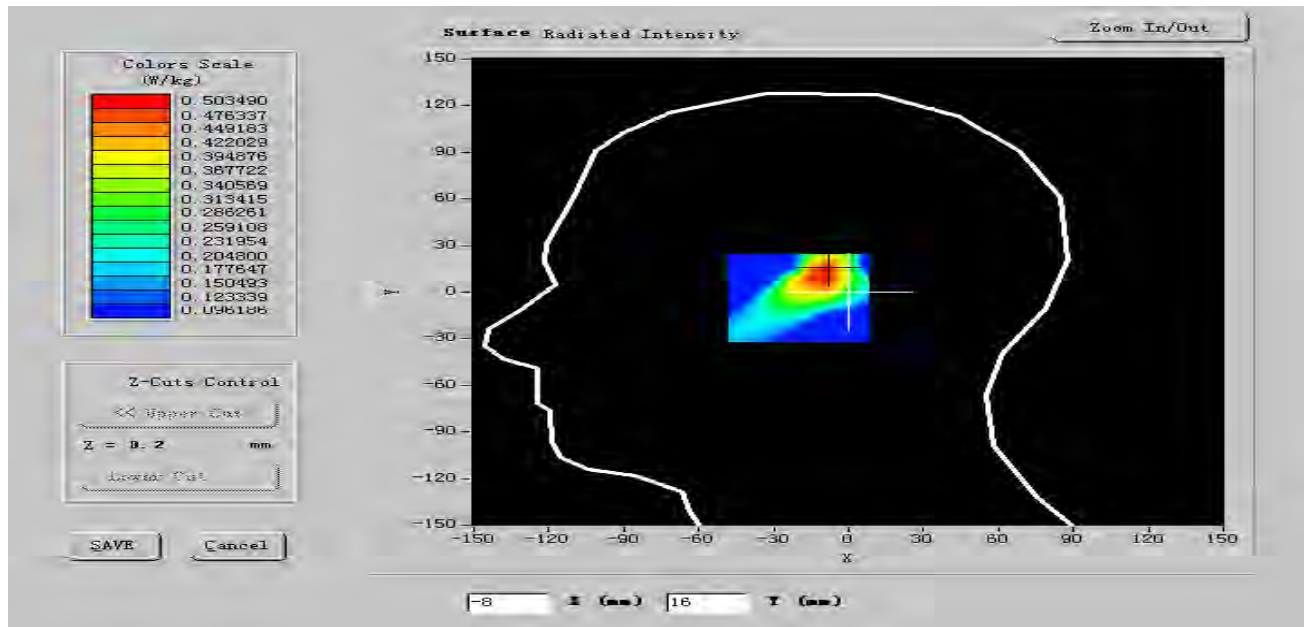
<b>Frequency (MHz)</b>	<b>1852.400024</b>
<b>Relative permittivity (real part)</b>	<b>40.301044</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.546011</b>
<b>Conductivity (S/m)</b>	<b>1.442061</b>
<b>Variation (%)</b>	<b>-1.200000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>
<b>ConvF:</b>	<b>41.91, 43.15, 56.44</b>



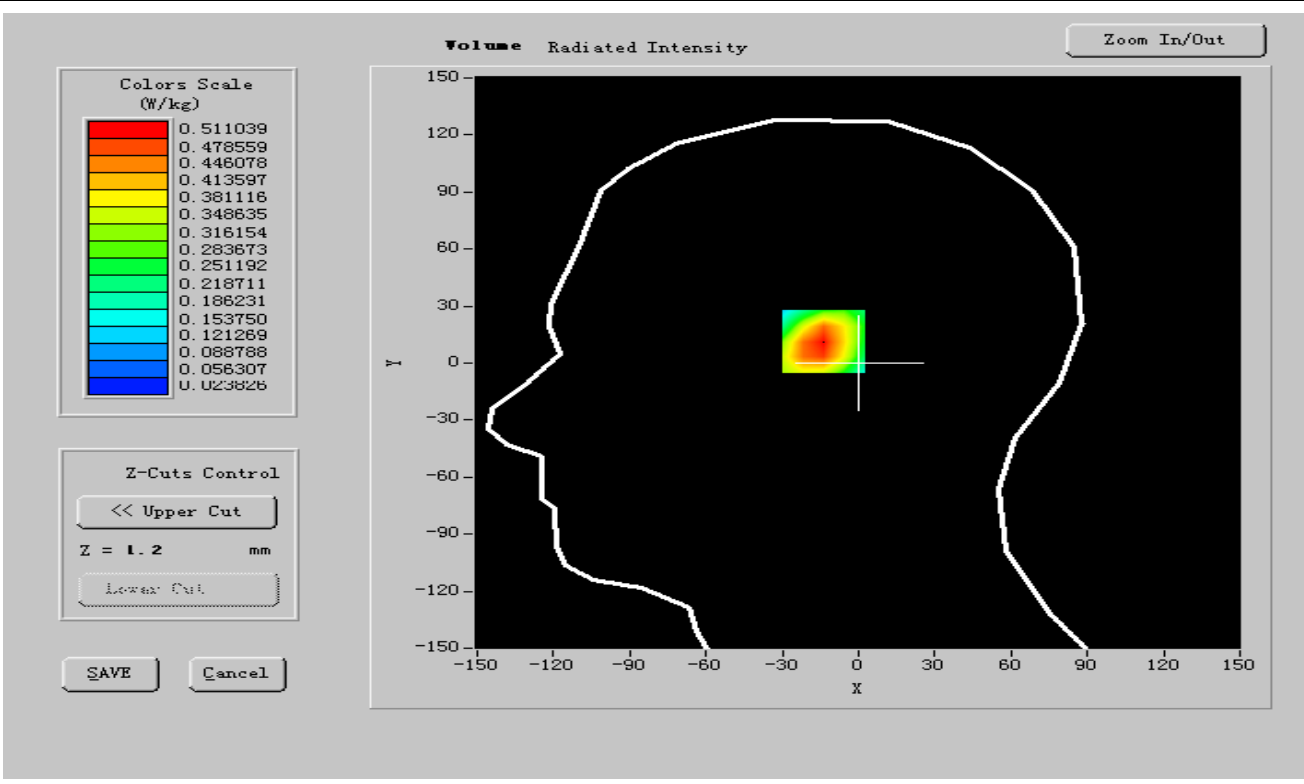
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



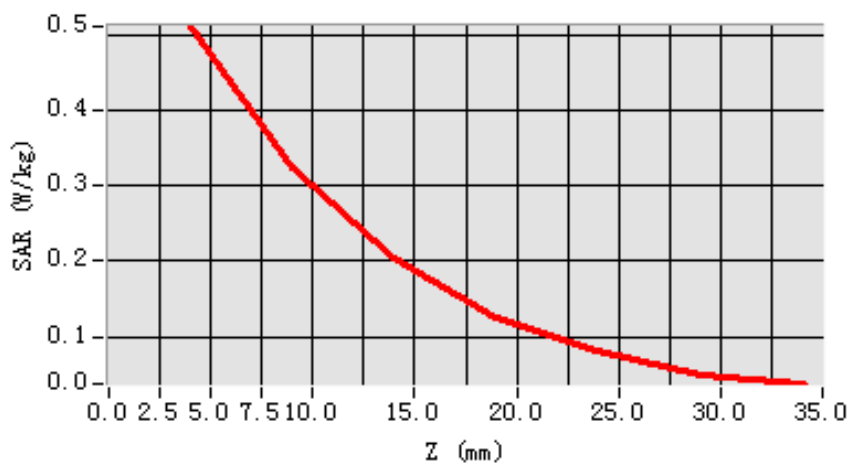


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.314061
SAR 1g (W/Kg)	0.650120

**Z Axis Scan**

**SAR, Z Axis Scan (X = -10, Y = 12)**





## MEASUREMENT 2

**Date of measurement: 02/20/2011**

**Area Scan: 7 x 7 x 1**

**dx=15mm**

**dy=15mm**

**Zoom Scan: 5 x 5 x 7**

**dx=5mm**

**dy=5mm**

**dz=5mm**

**Z Axis Scan: 1 x 1 x 21**

**dx=20mm**

**dy=20mm**

**dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	WCDMA BAND II
<b>Channels</b>	Middle
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

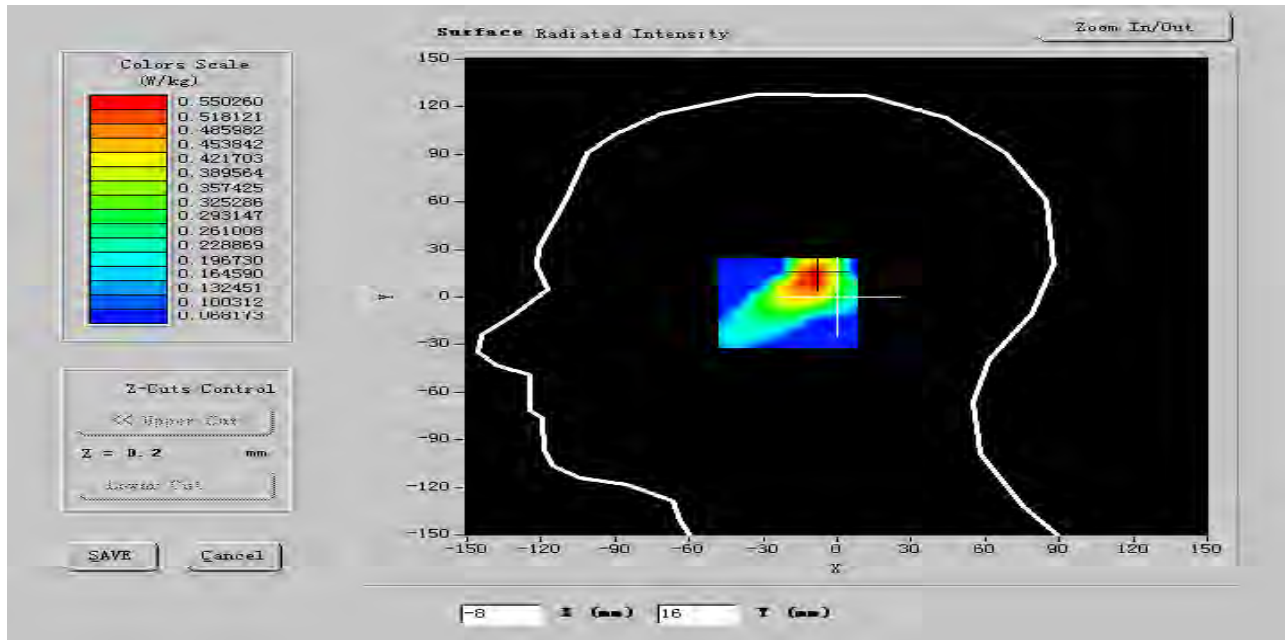
<b>Frequency (MHz)</b>	<b>1880.000000</b>
<b>Relative permittivity (real part)</b>	<b>40.212312</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.845205</b>
<b>Conductivity (S/m)</b>	<b>1.423189</b>
<b>Variation (%)</b>	<b>-0.300000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>
<b>ConvF:</b>	<b>41.91, 43.15, 56.44</b>



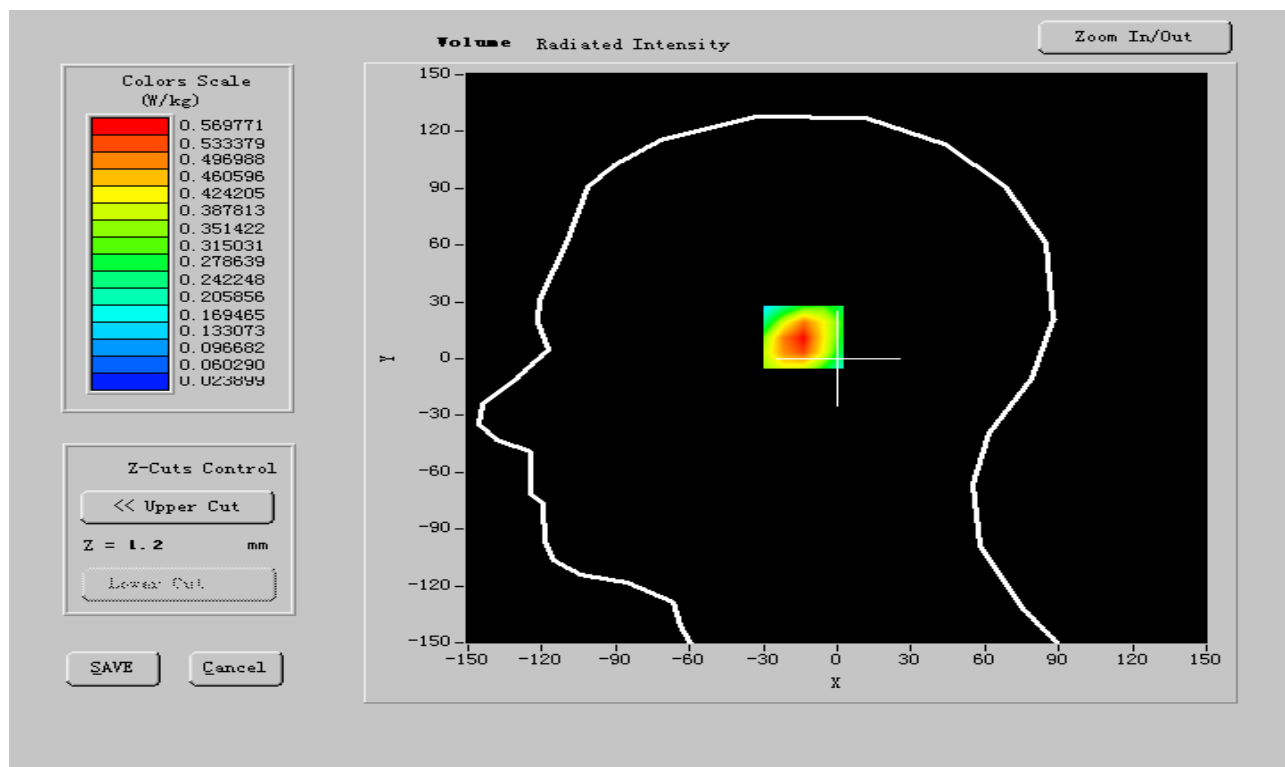
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR





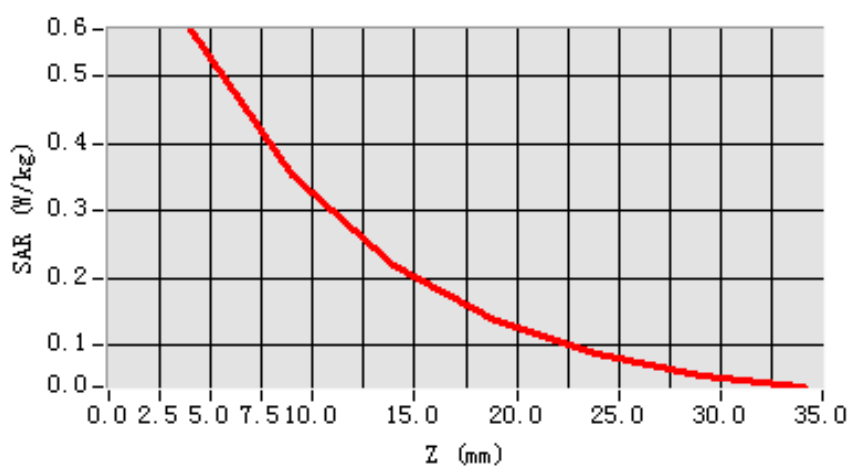


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.332011
SAR 1g (W/Kg)	0.674127

**Z Axis Scan**

**SAR, Z Axis Scan (X = -10, Y = 12)**





## MEASUREMENT 3

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	WCDMA BAND II
<b>Channels</b>	High
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>1907.600216</b>
<b>Relative permittivity (real part)</b>	<b>40.212223</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.646200</b>
<b>Conductivity (S/m)</b>	<b>1.441084</b>
<b>Variation (%)</b>	<b>-0.300000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



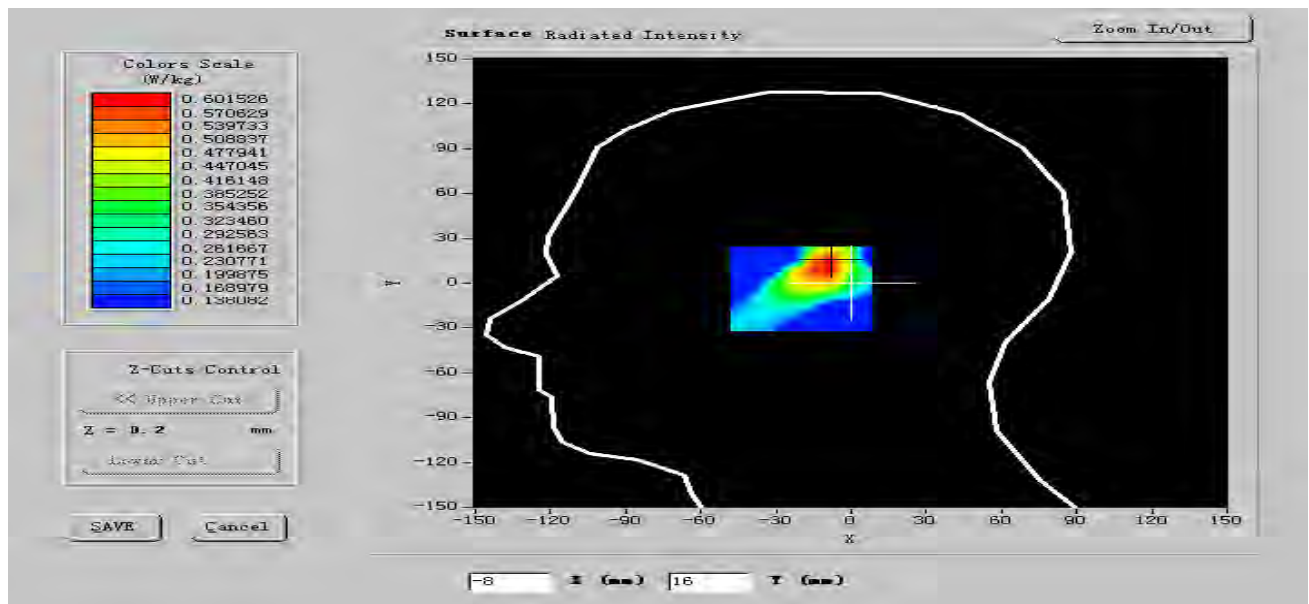
ConvF:

41.91, 43.15, 56.44

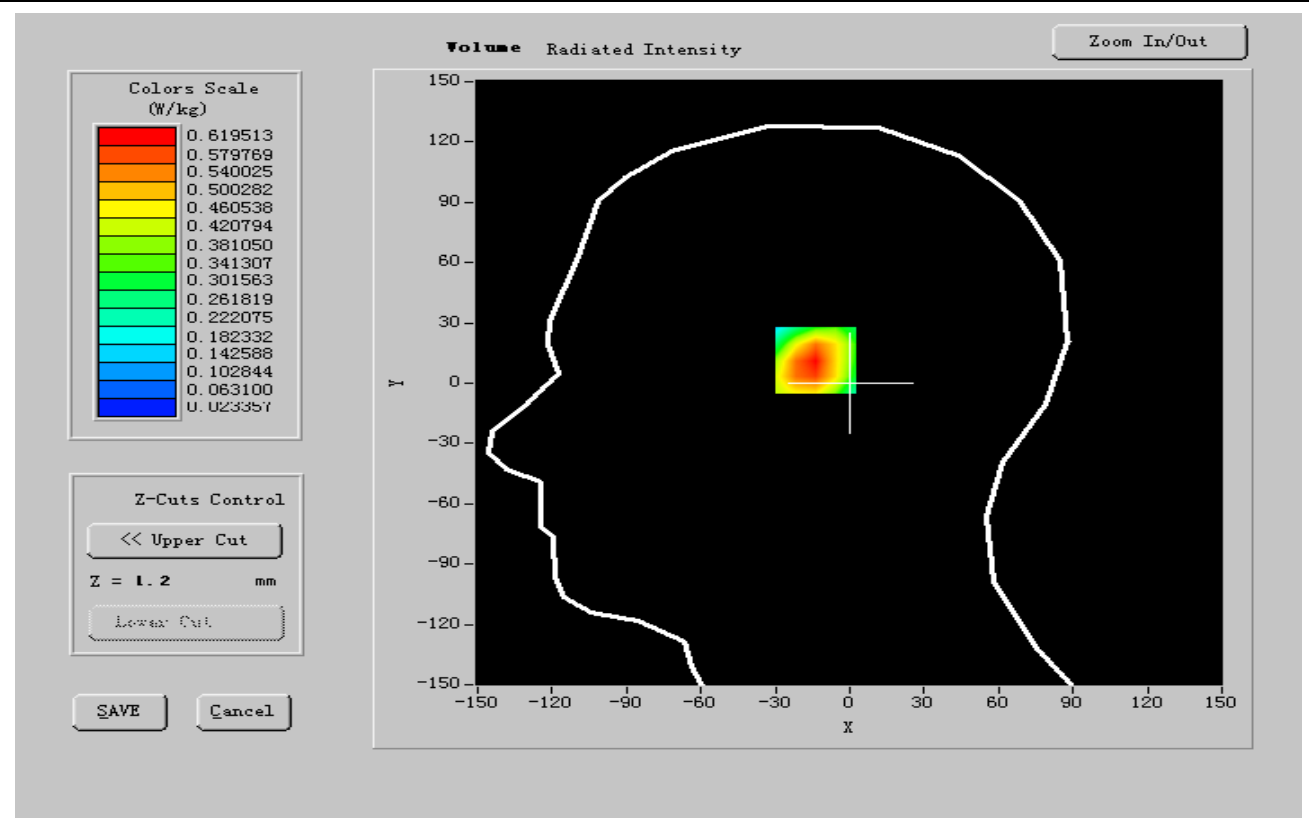
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



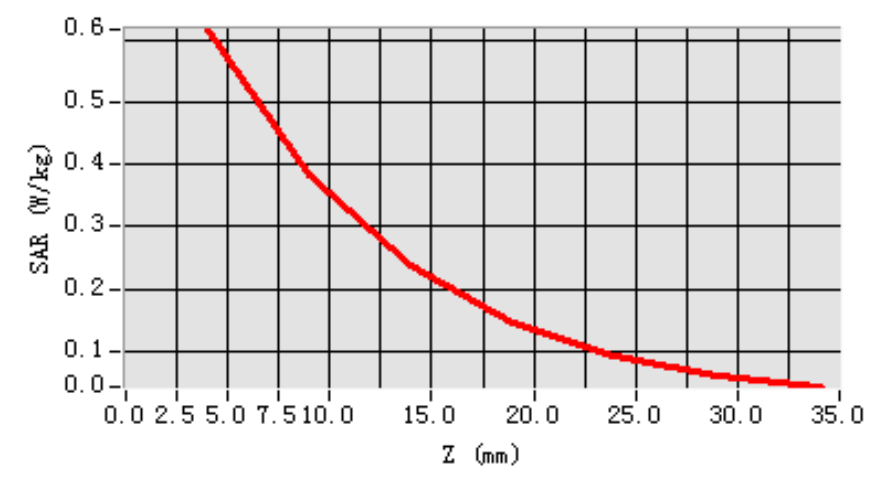


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.351412
SAR 1g (W/Kg)	0.652306

**Z Axis Scan**

**SAR, Z Axis Scan (X = -10, Y = 12)**



**MEASUREMENT 4****Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Right head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA BAND II
<b>Channels</b>	Low
<b>Signal</b>	WCDMA

**B. Instrumentations.**

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

**C. SAR Measurement Results**

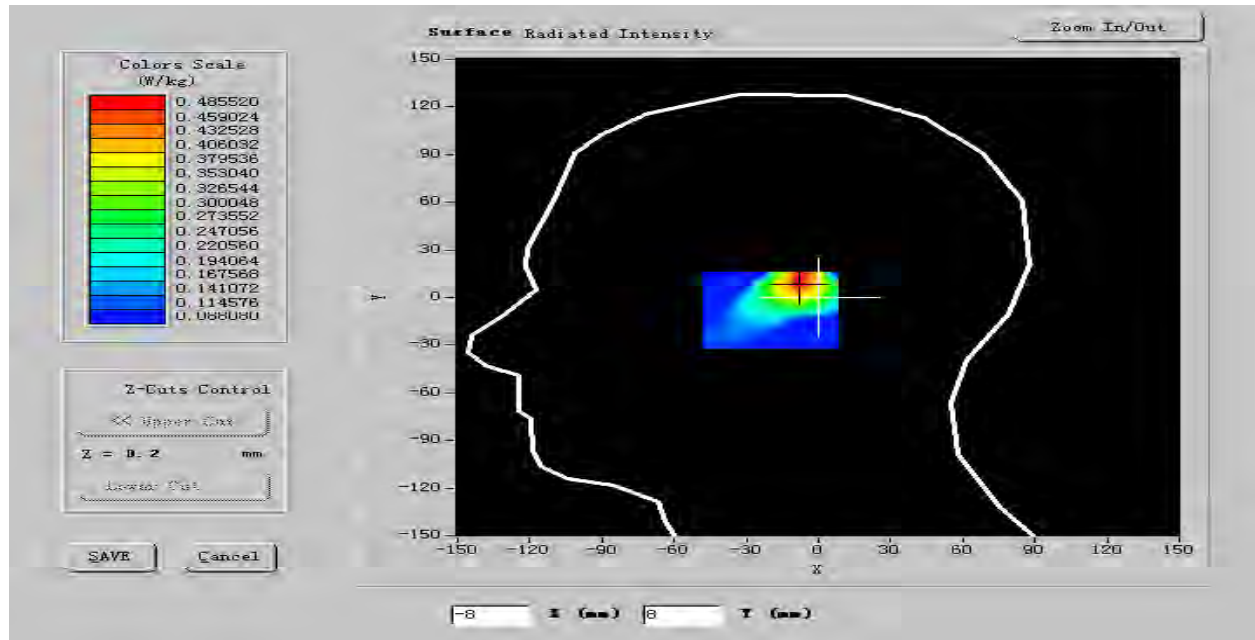
<b>Frequency (MHz)</b>	<b>1852.400020</b>
<b>Relative permittivity (real part)</b>	<b>40.223128</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.594106</b>
<b>Conductivity (S/m)</b>	<b>1.442113</b>
<b>Variation (%)</b>	<b>-1.400000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>
<b>ConvF:</b>	<b>41.91, 43.15, 56.44</b>



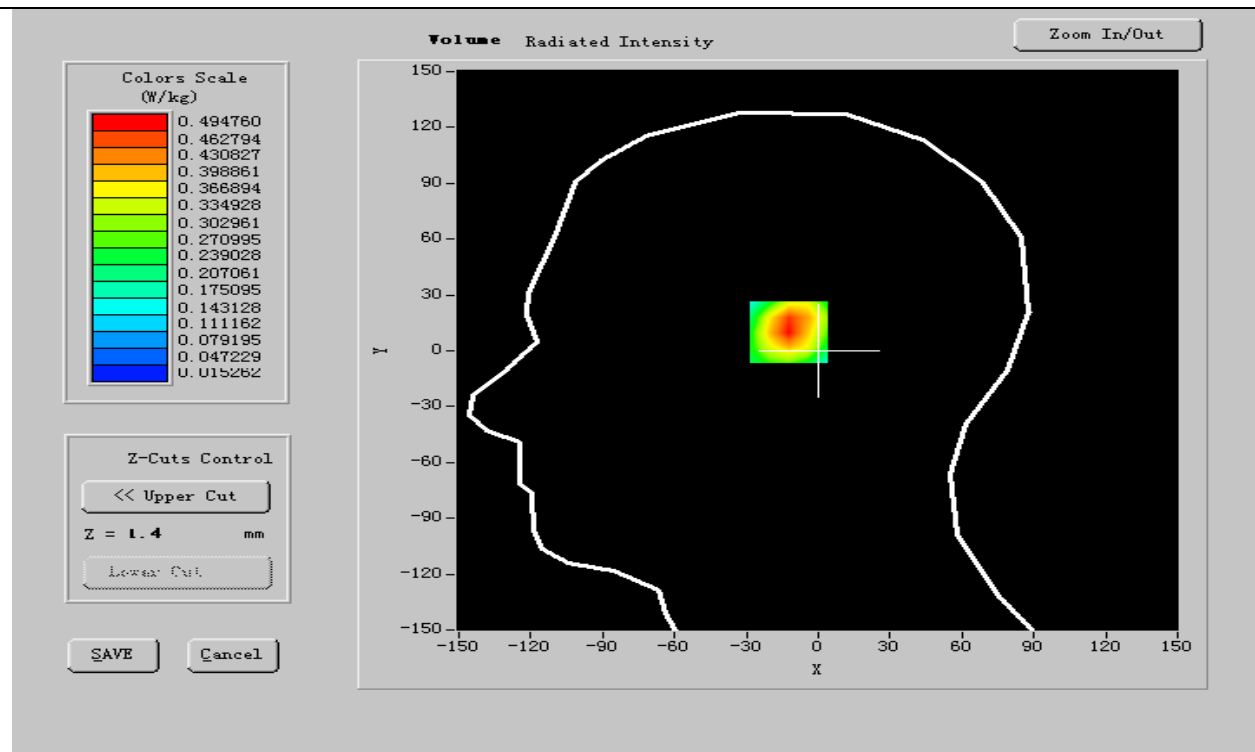
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



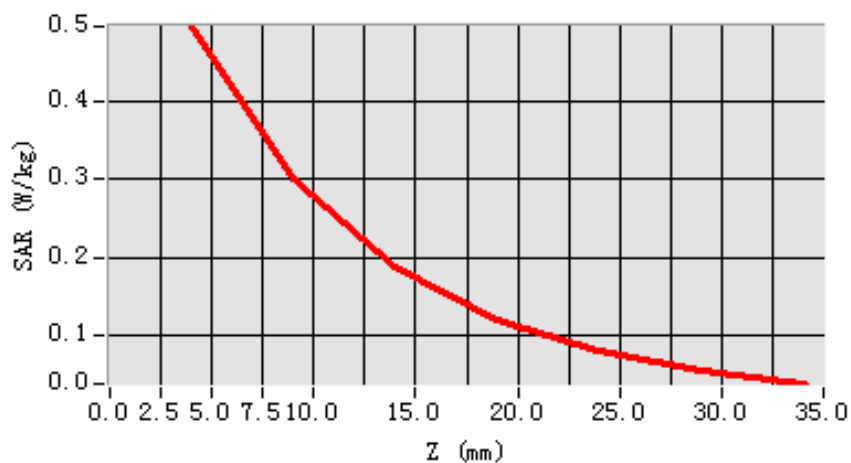


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.122317
SAR 1g (W/Kg)	0.294712

**Z Axis Scan**

**SAR, Z Axis Scan (X = -8, Y = 10)**





## MEASUREMENT 5

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Right head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA BAND II
<b>Channels</b>	Middle
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>1880.000000</b>
<b>Relative permittivity (real part)</b>	<b>40.212351</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.792158</b>
<b>Conductivity (S/m)</b>	<b>1.442023</b>
<b>Variation (%)</b>	<b>-0.450000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>





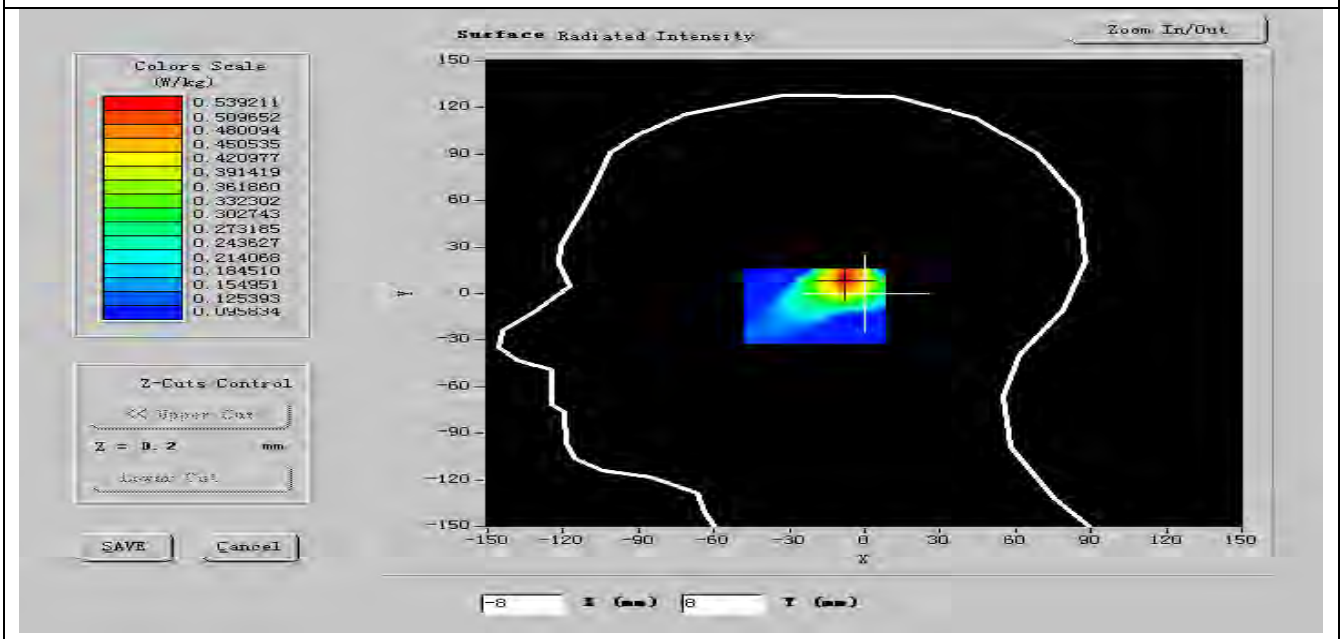
ConvF:

41.91, 43.15, 56.44

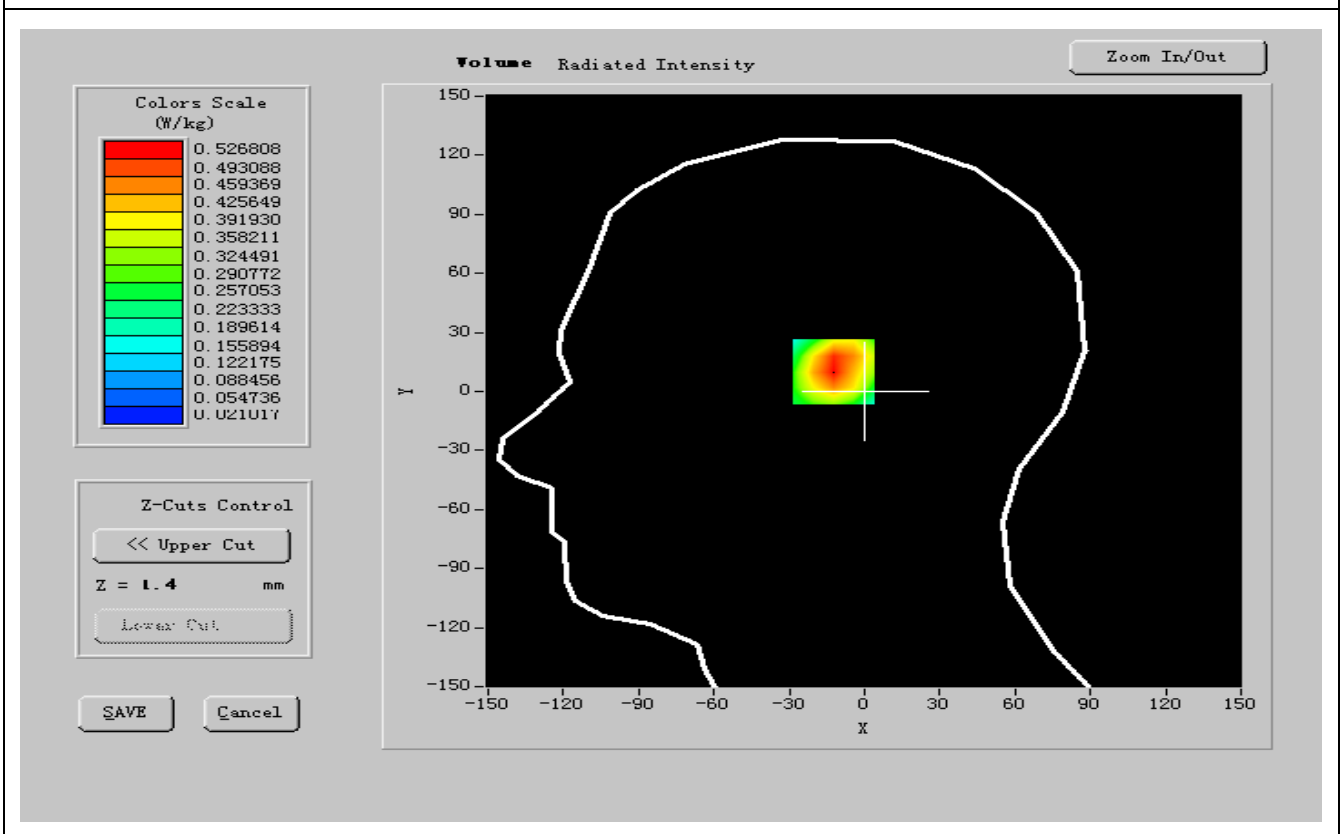
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



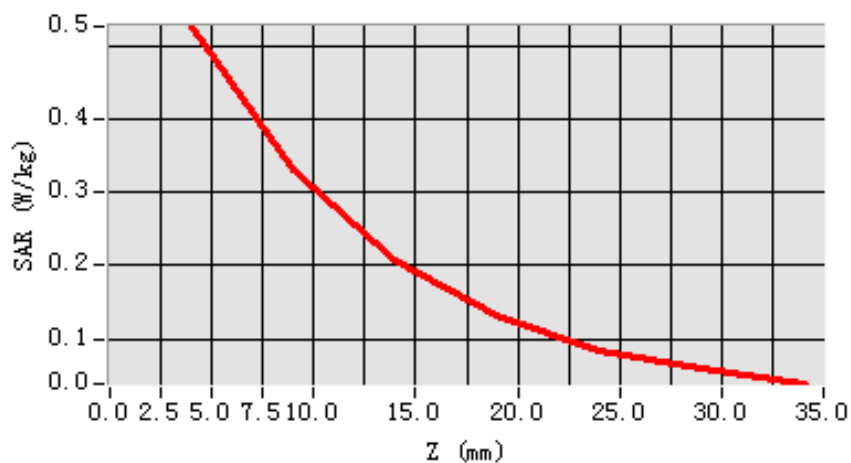


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.163212
SAR 1g (W/Kg)	0.315497

**Z Axis Scan**

**SAR, Z Axis Scan (X = -8, Y = 10)**





## MEASUREMENT 6

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Right head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA BAND II
<b>Channels</b>	High
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>1907.600216</b>
<b>Relative permittivity (real part)</b>	<b>40.212115</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.220903</b>
<b>Conductivity (S/m)</b>	<b>1.443118</b>
<b>Variation (%)</b>	<b>-1.500000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



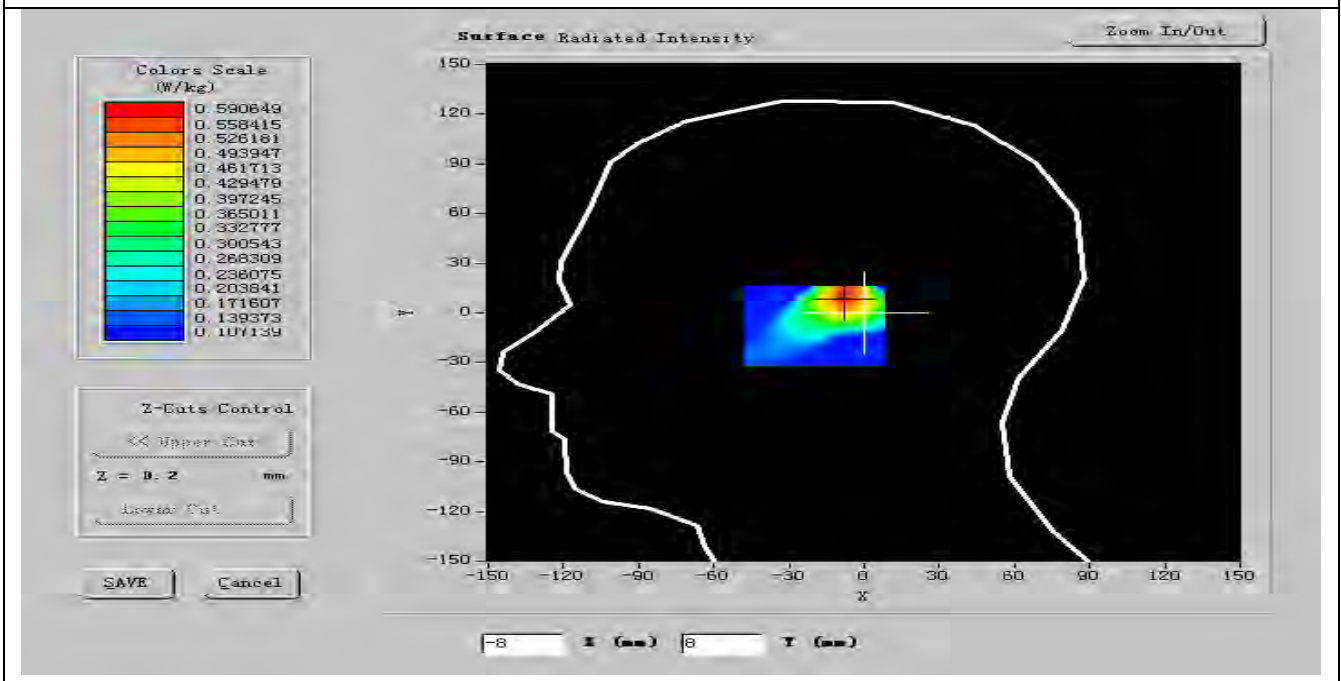
ConvF:

41.91, 43.15, 56.44

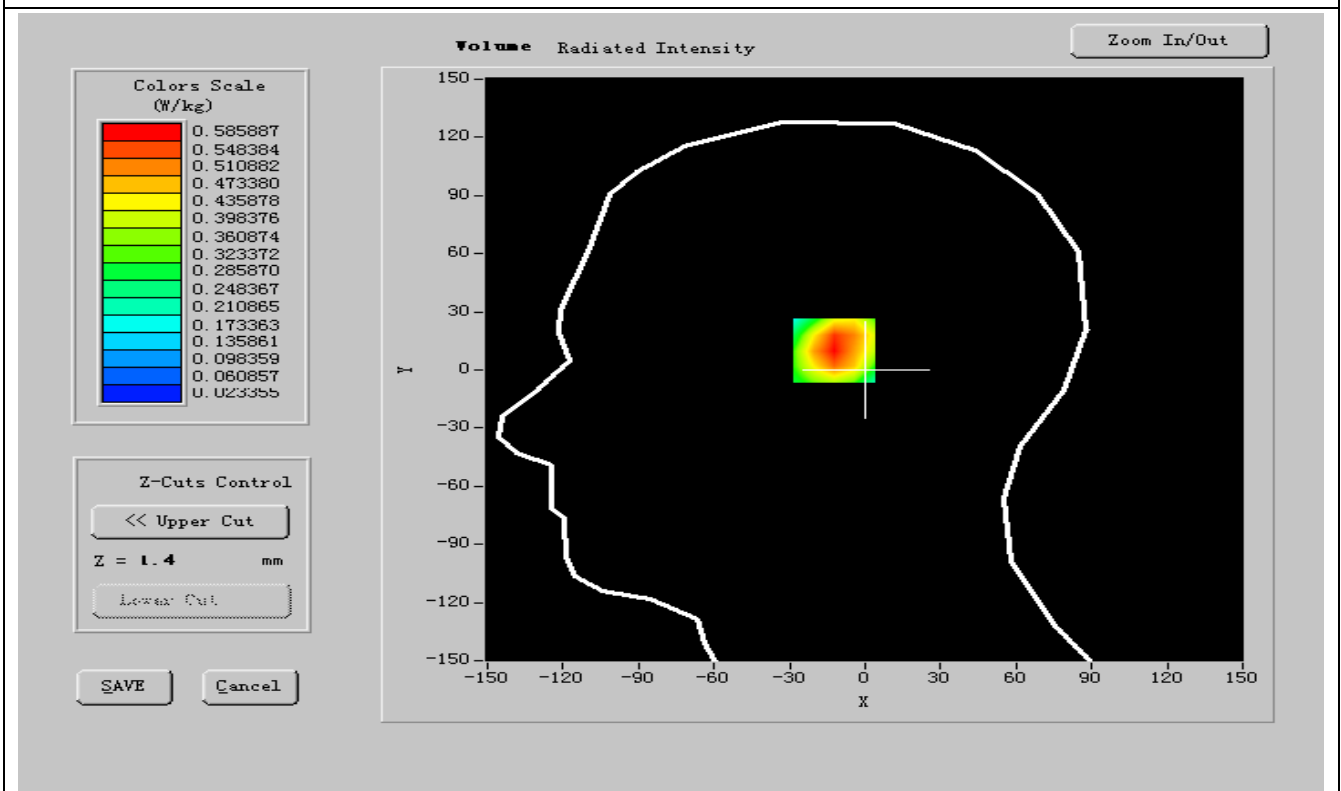
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



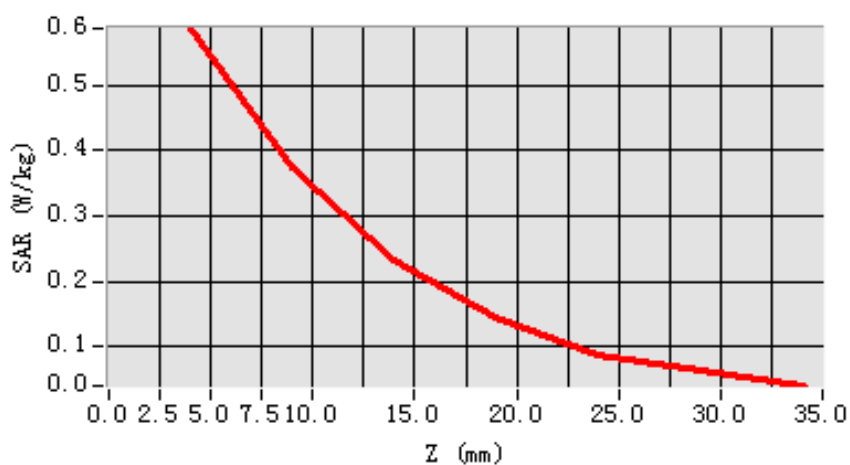


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.130211
SAR 1g (W/Kg)	0.271420

**Z Axis Scan**

**SAR, Z Axis Scan (X = -8, Y = 10)**





## MEASUREMENT 7

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	WCDMA BAND II
<b>Channels</b>	Low
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>1852.400001</b>
<b>Relative permittivity (real part)</b>	<b>40.212058</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.583000</b>
<b>Conductivity (S/m)</b>	<b>1.440144</b>
<b>Variation (%)</b>	<b>0.300000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



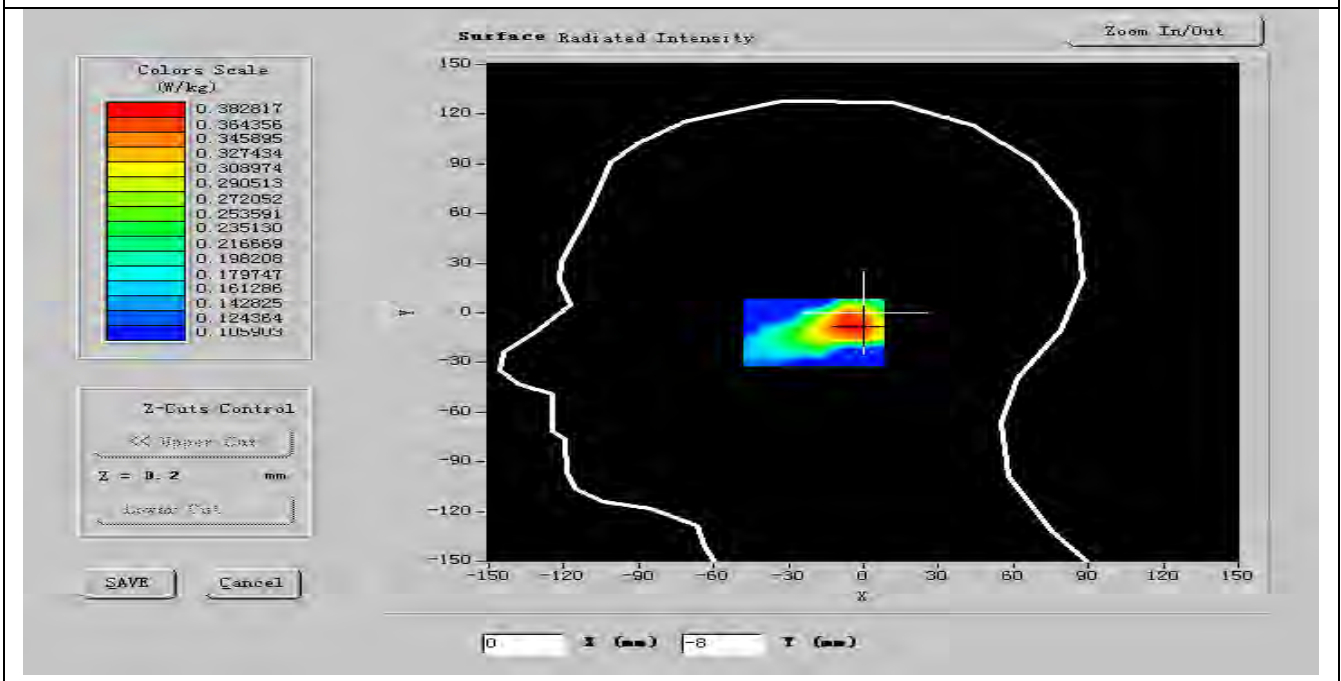
ConvF:

41.91, 43.15, 56.44

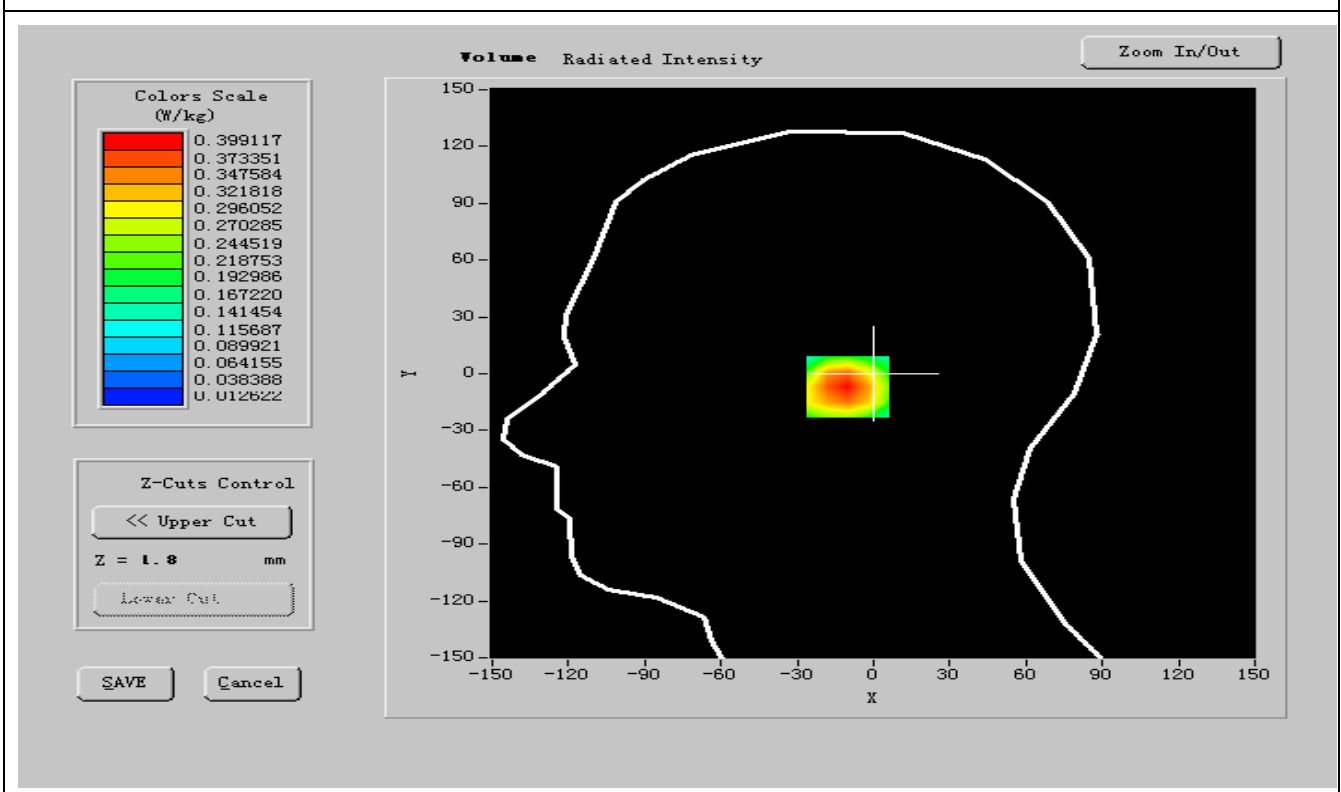
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



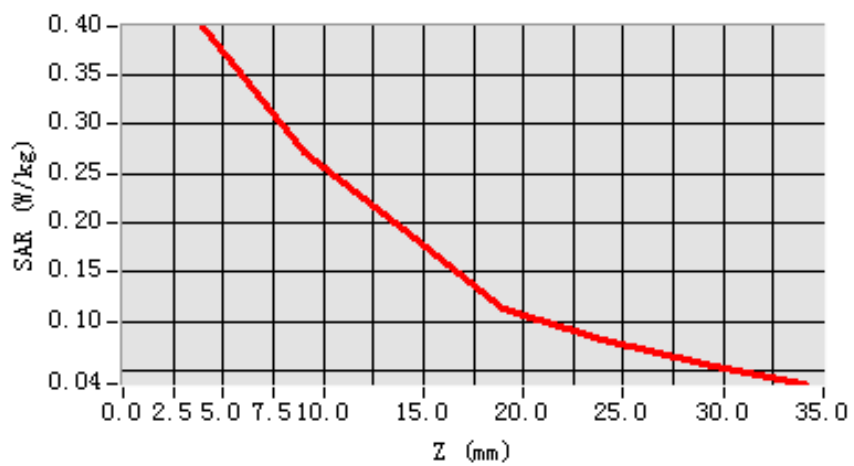


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.541240
SAR 1g (W/Kg)	0.843257

**Z Axis Scan**

**SAR, Z Axis Scan (X = -3, Y = -7)**







## MEASUREMENT 8

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	WCDMA BAND II
<b>Channels</b>	Middle
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>1880.000000</b>
<b>Relative permittivity (real part)</b>	<b>40.231064</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.581000</b>
<b>Conductivity (S/m)</b>	<b>1.440115</b>
<b>Variation (%)</b>	<b>1.400000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



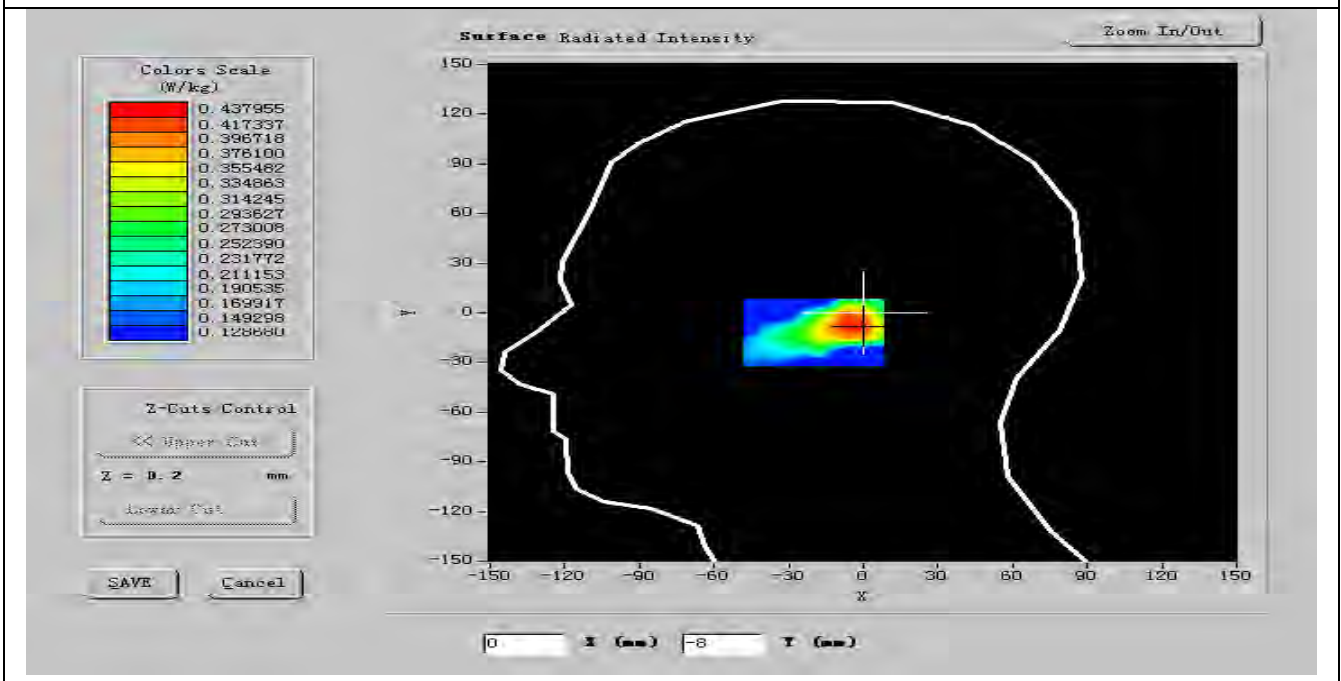
ConvF:

41.91, 43.15, 56.44

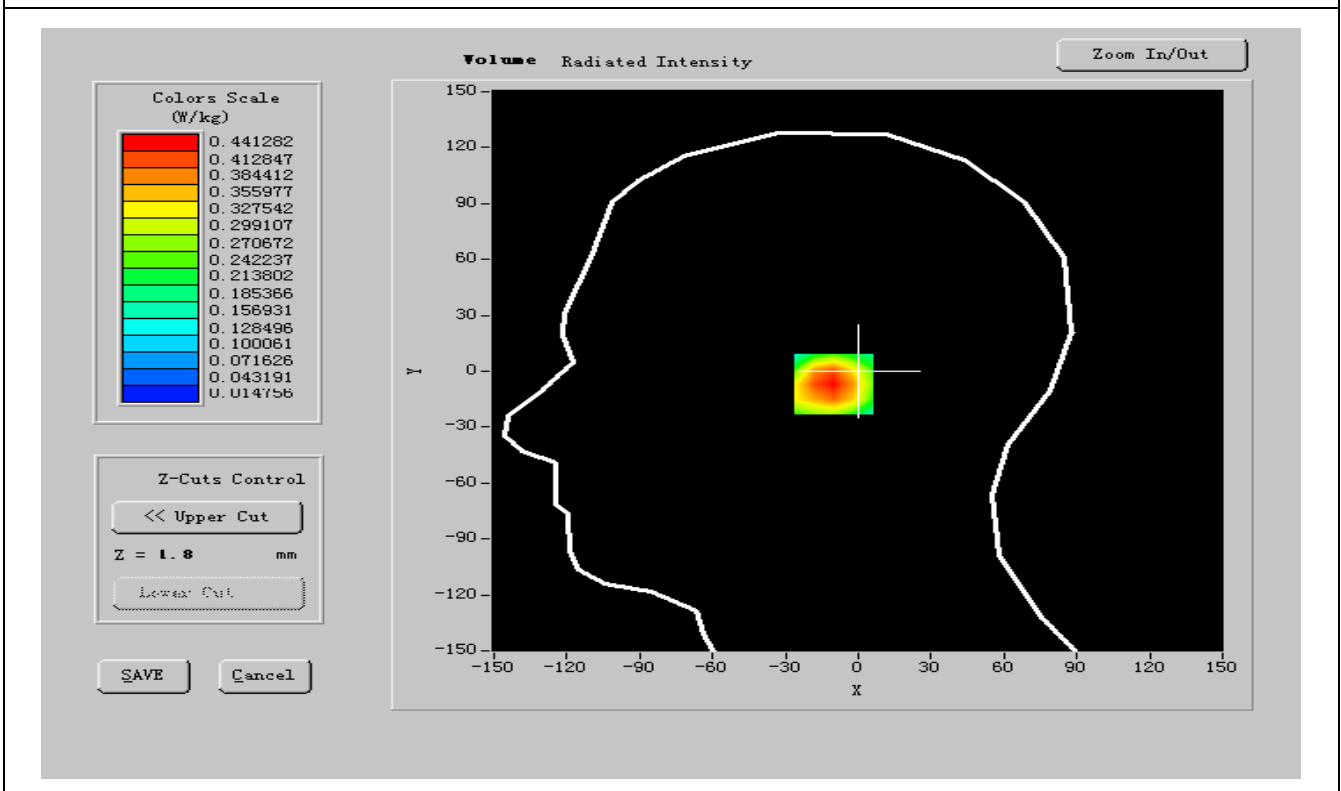
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



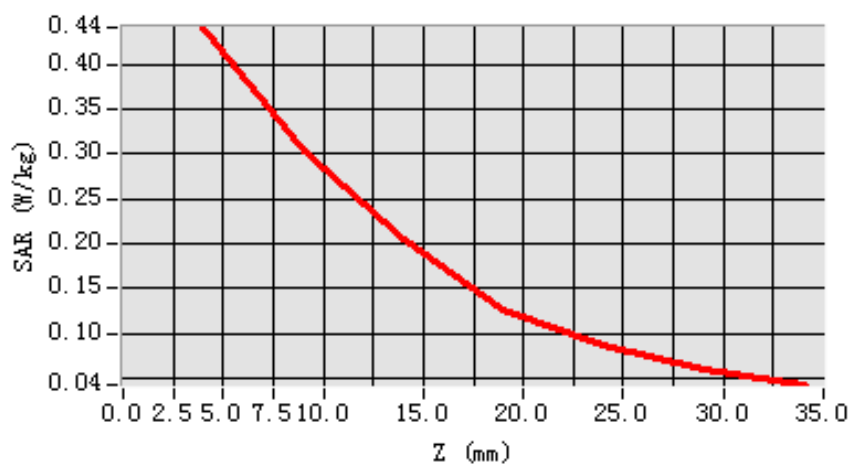


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.532142
SAR 1g (W/Kg)	0.903133

**Z Axis Scan**

**SAR, Z Axis Scan (X = -3, Y = -7)**





## MEASUREMENT 9

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	WCDMA BAND II
<b>Channels</b>	High
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>1907.600276</b>
<b>Relative permittivity (real part)</b>	<b>40.221110</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.612004</b>
<b>Conductivity (S/m)</b>	<b>1.440150</b>
<b>Variation (%)</b>	<b>0.500000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



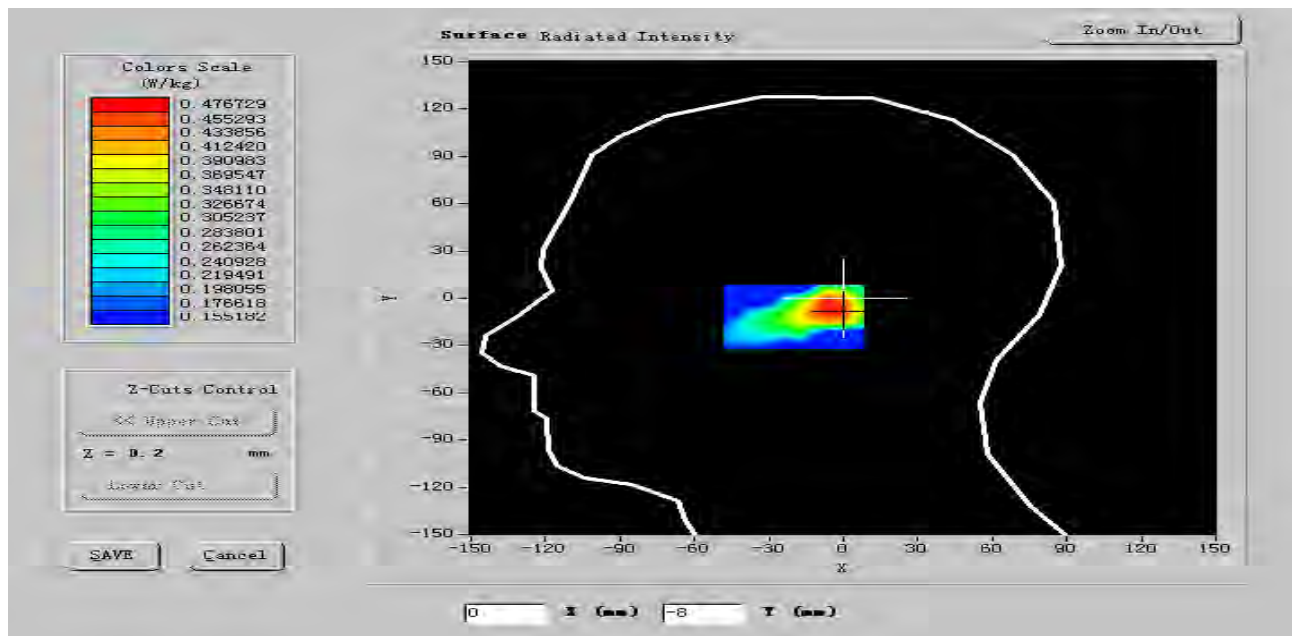
ConvF:

41.91, 43.15, 56.44

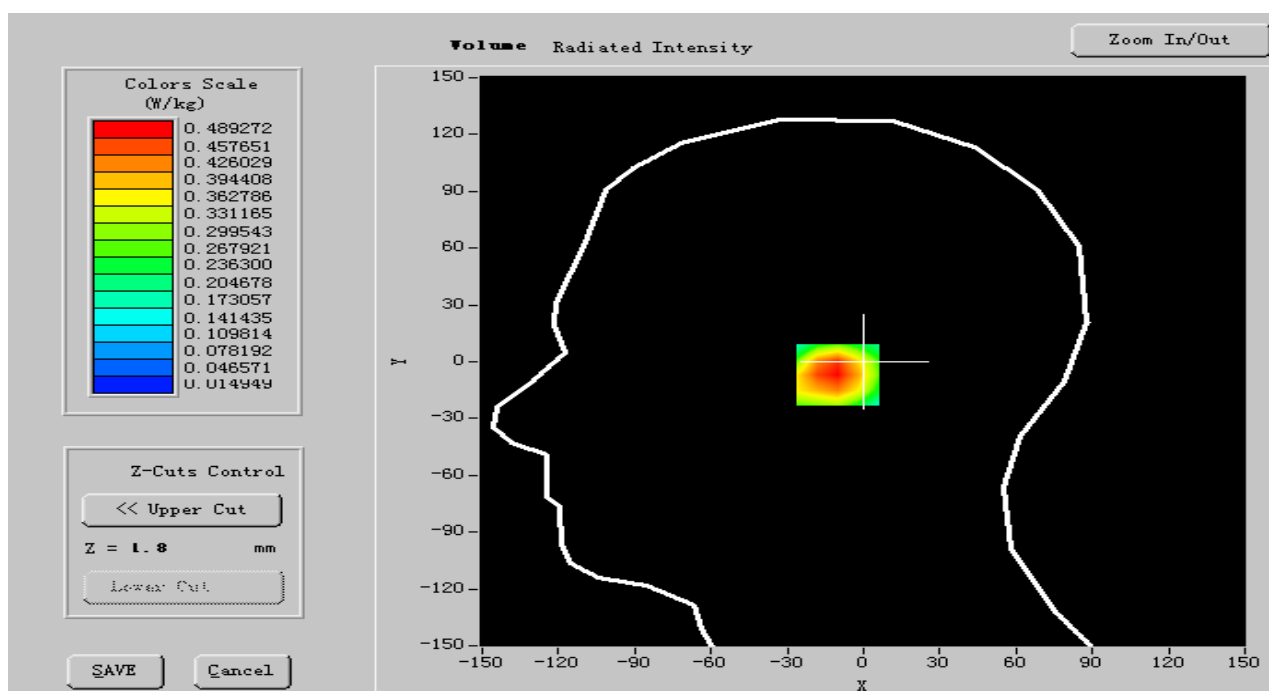
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



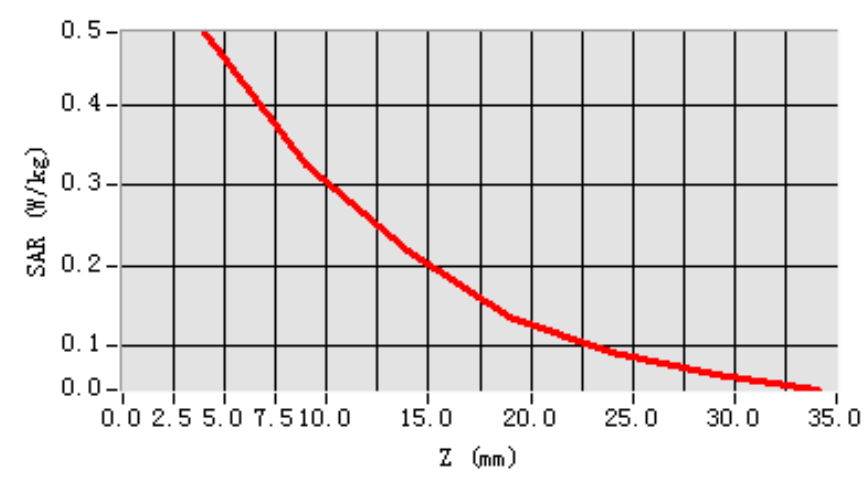


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.502314
SAR 1g (W/Kg)	0.862142

**Z Axis Scan**

**SAR, Z Axis Scan (X = -3, Y = -7)**





## MEASUREMENT 10

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA BAND II
<b>Channels</b>	Low
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>1852.400004</b>
<b>Relative permittivity (real part)</b>	<b>40.400118</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.581774</b>
<b>Conductivity (S/m)</b>	<b>1.442123</b>
<b>Variation (%)</b>	<b>-0.600000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



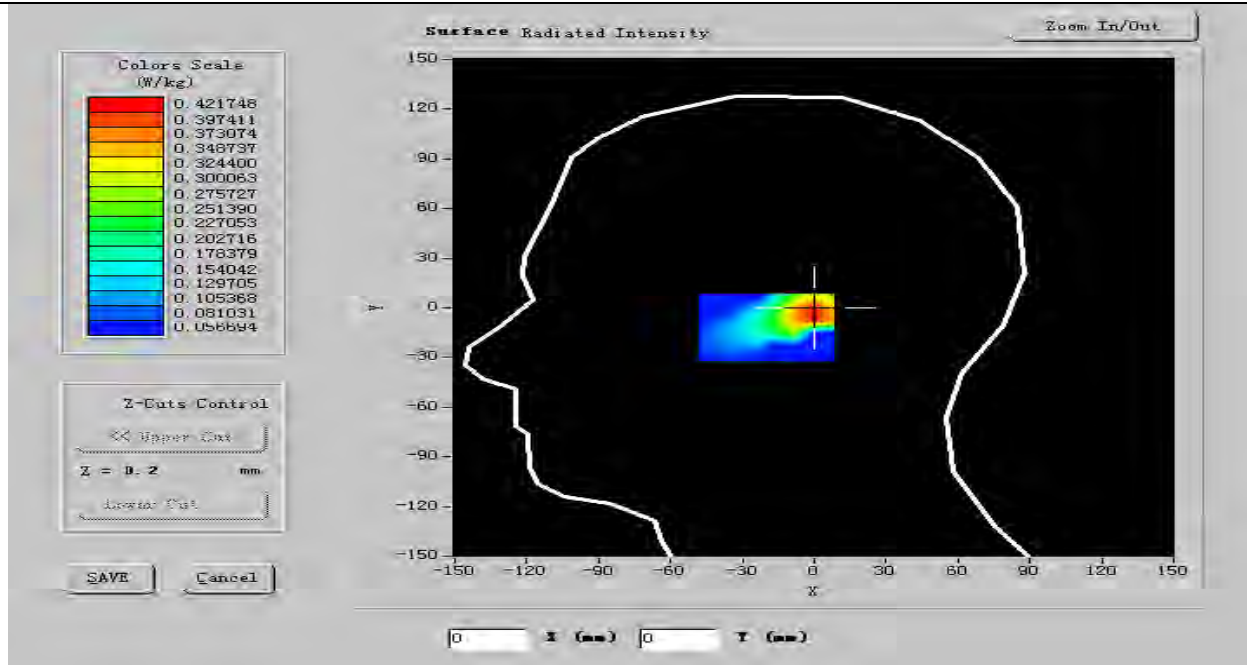
ConvF:

41.91, 43.15, 56.44

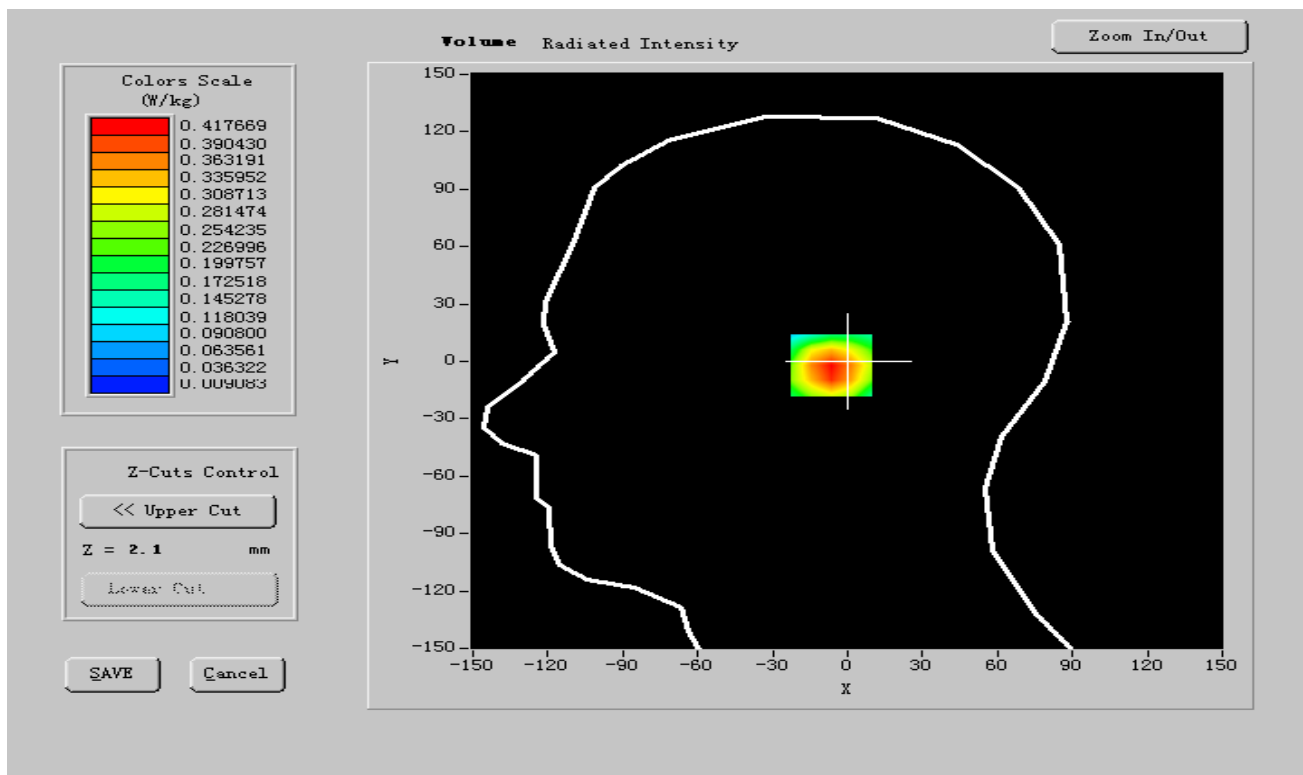
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR





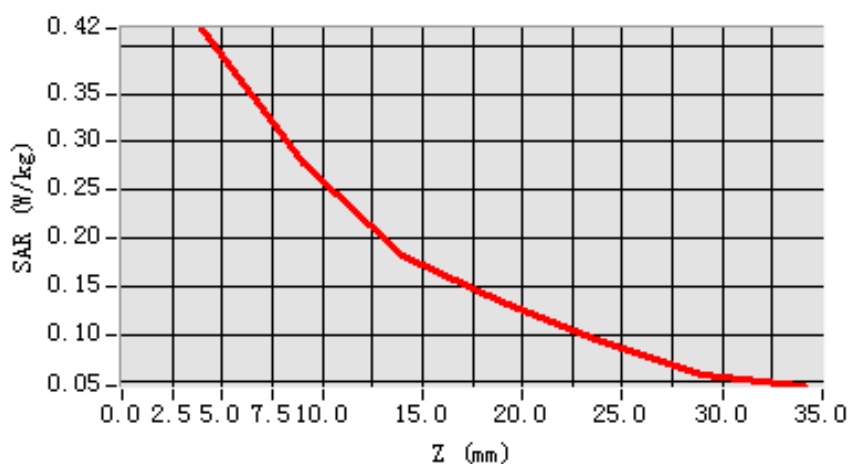


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.112347
SAR 1g (W/Kg)	0.342101

**Z Axis Scan**

**SAR, Z Axis Scan (X = 0, Y = -2)**





## MEASUREMENT 11

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA BAND II
<b>Channels</b>	Middle
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>1880.000000</b>
<b>Relative permittivity (real part)</b>	<b>40.210326</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.590112</b>
<b>Conductivity (S/m)</b>	<b>1.440588</b>
<b>Variation (%)</b>	<b>-1.200000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



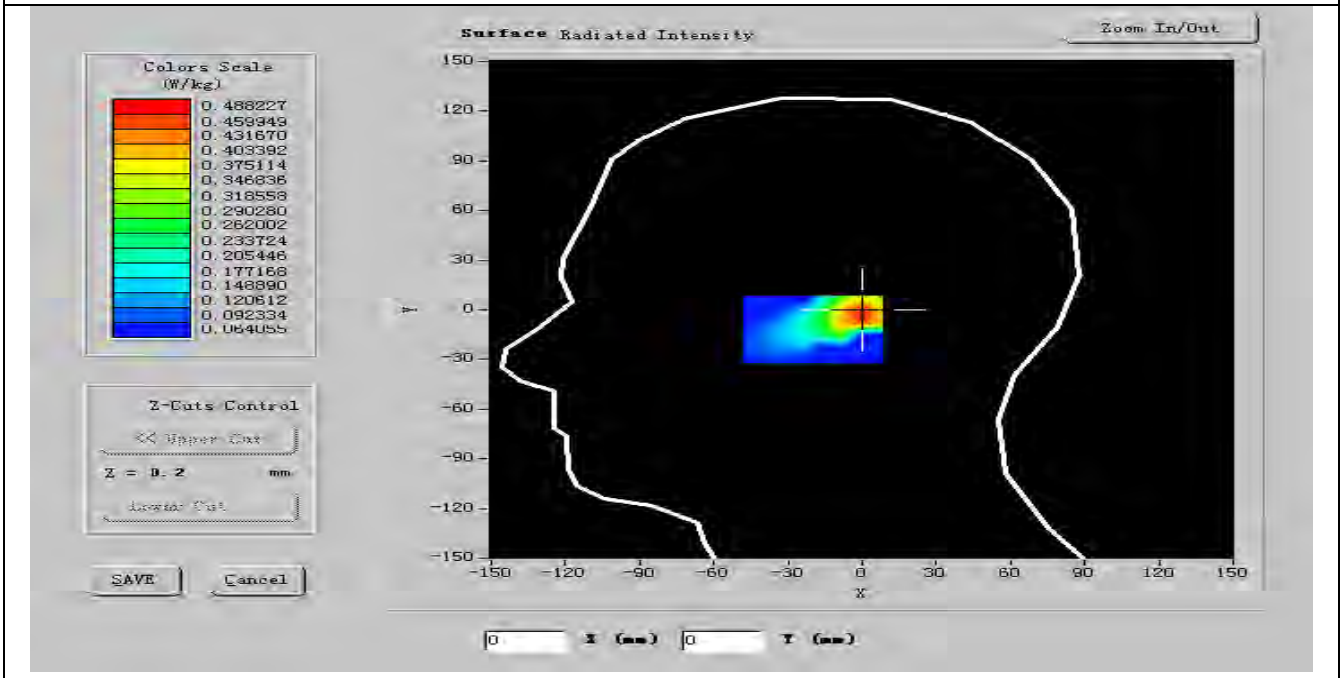
ConvF:

41.91, 43.15, 56.44

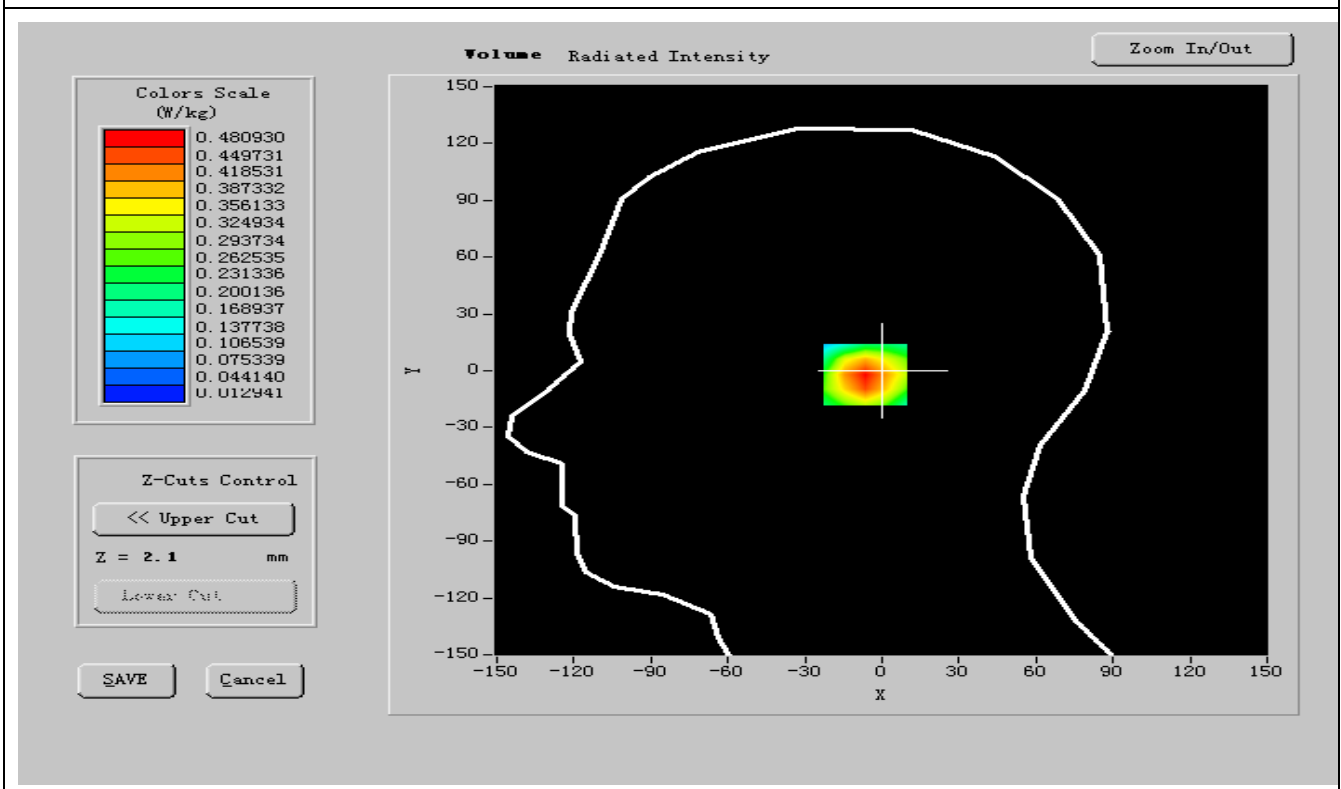
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR

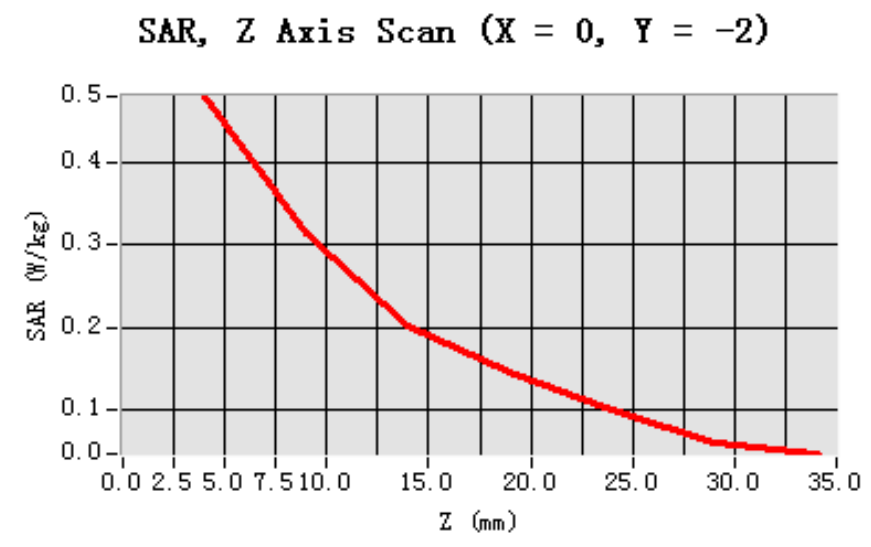




**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.130152
SAR 1g (W/Kg)	0.371023

**Z Axis Scan**





## MEASUREMENT 12

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	WCDMA BAND II
<b>Channels</b>	High
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>1907.602076</b>
<b>Relative permittivity (real part)</b>	<b>40.211151</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.610085</b>
<b>Conductivity (S/m)</b>	<b>1.443325</b>
<b>Variation (%)</b>	<b>-1.140000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



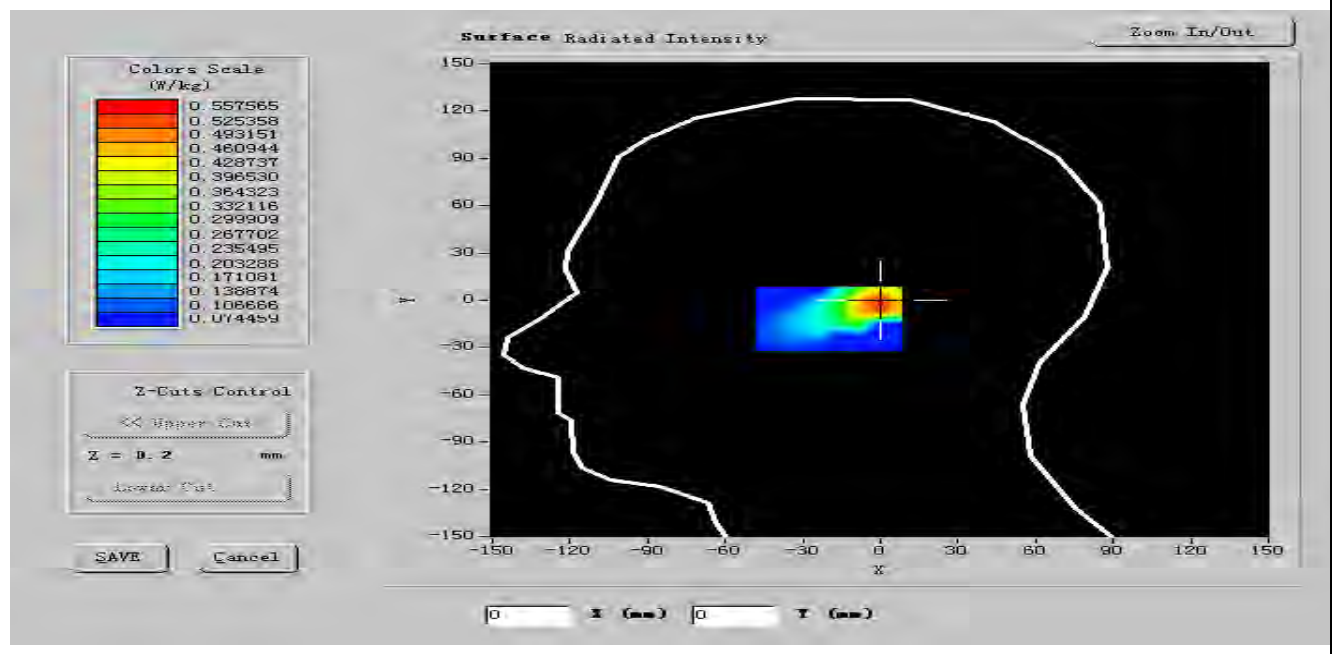
ConvF:

41.91, 43.15, 56.44

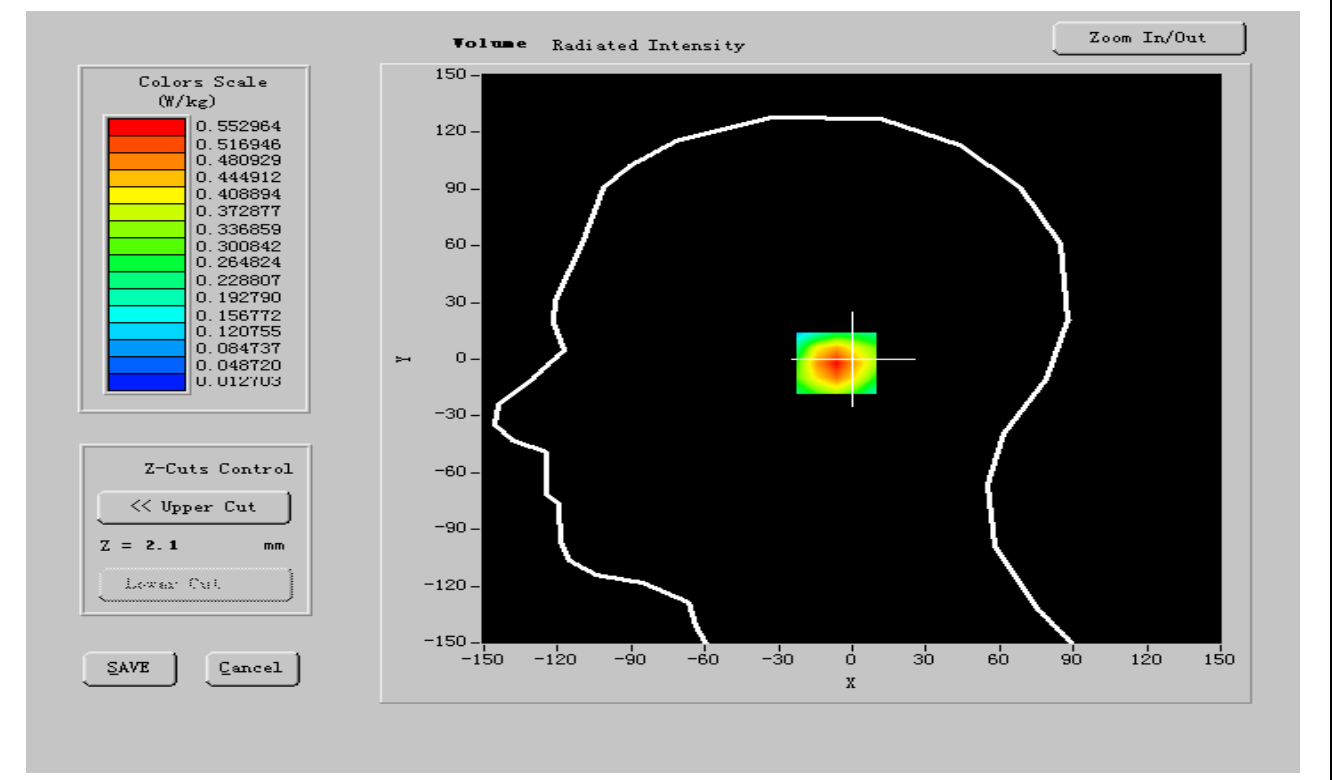
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



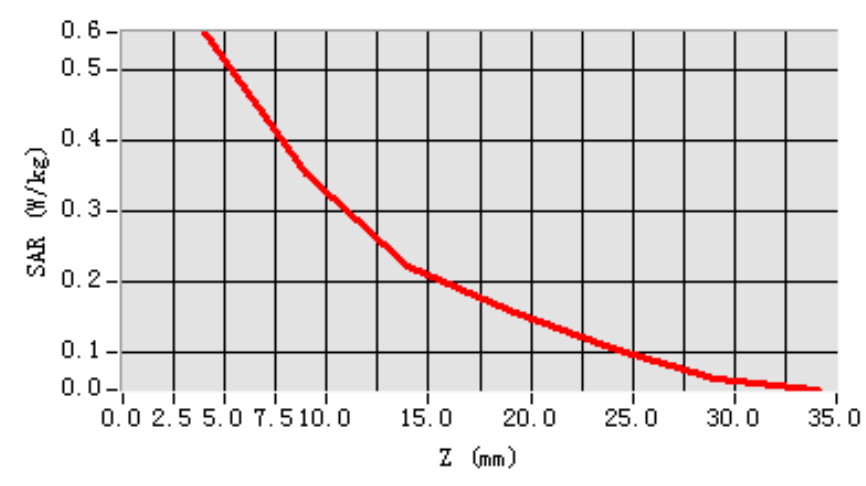


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.123211
SAR 1g (W/Kg)	0.356847

**Z Axis Scan**

**SAR, Z Axis Scan (X = 0, Y = -2)**





## MEASUREMENT 13

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	FrontSide toward phantom
<b>Band</b>	WCDMA BAND II
<b>Channels</b>	Low
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>1852.400004</b>
<b>Relative permittivity (real part)</b>	<b>53.002001</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.572033</b>
<b>Conductivity (S/m)</b>	<b>1.496015</b>
<b>Variation (%)</b>	<b>-0.130000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>





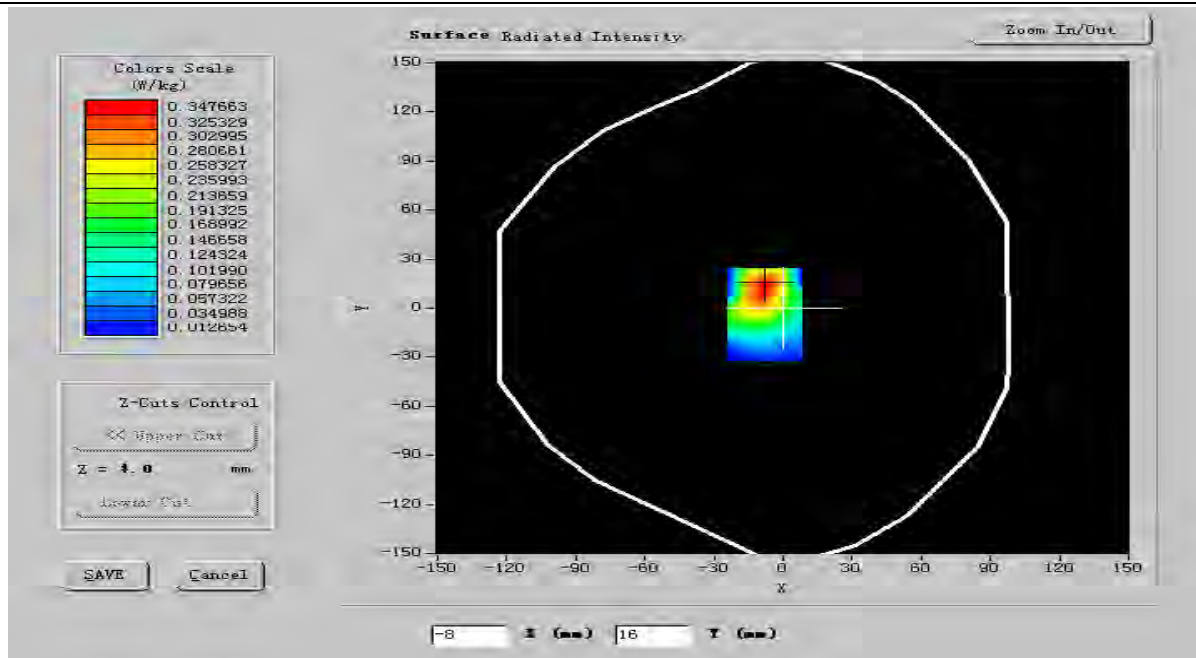
ConvF:

41.01, 42.41, 55.65

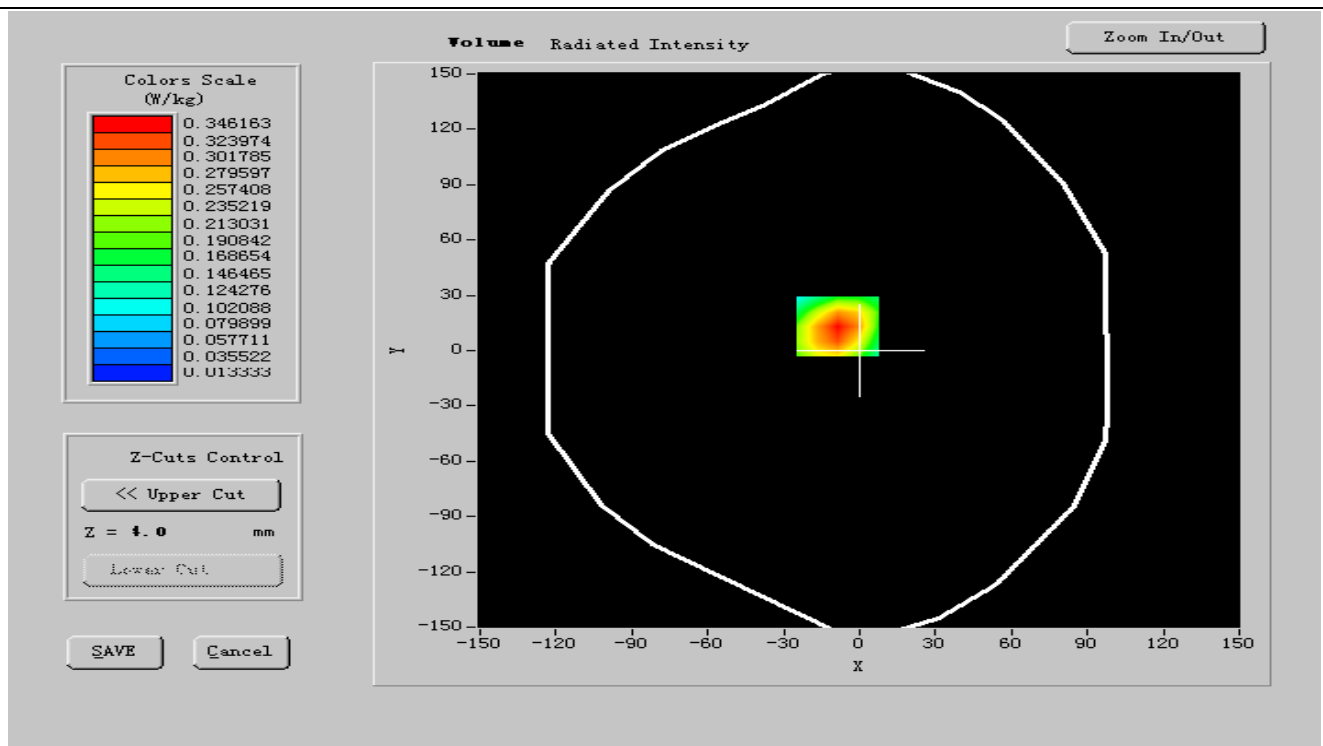
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



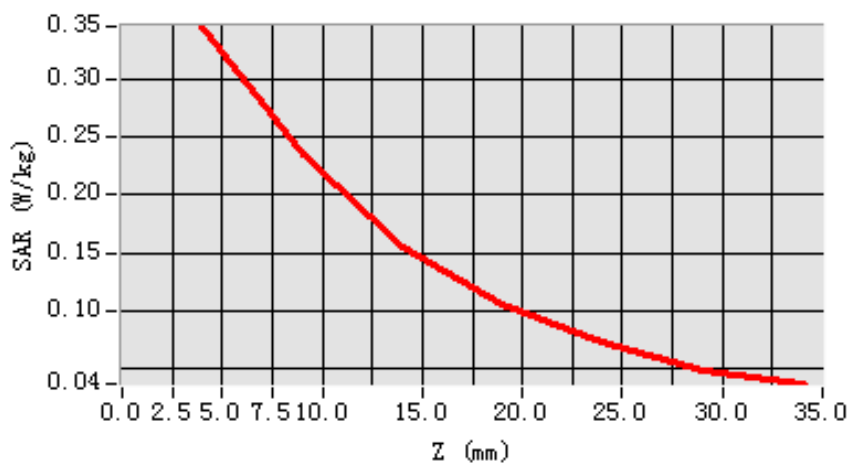


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.093441
SAR 1g (W/Kg)	0.162145

**Z Axis Scan**

**SAR, Z Axis Scan (X = -9, Y = 13)**





## MEASUREMENT 14

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	FrontSide toward phantom
<b>Band</b>	WCDMA BAND II
<b>Channels</b>	Middle
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>1880.000000</b>
<b>Relative permittivity (real part)</b>	<b>52.953021</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.622015</b>
<b>Conductivity (S/m)</b>	<b>1.500210</b>
<b>Variation (%)</b>	<b>-0.600000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



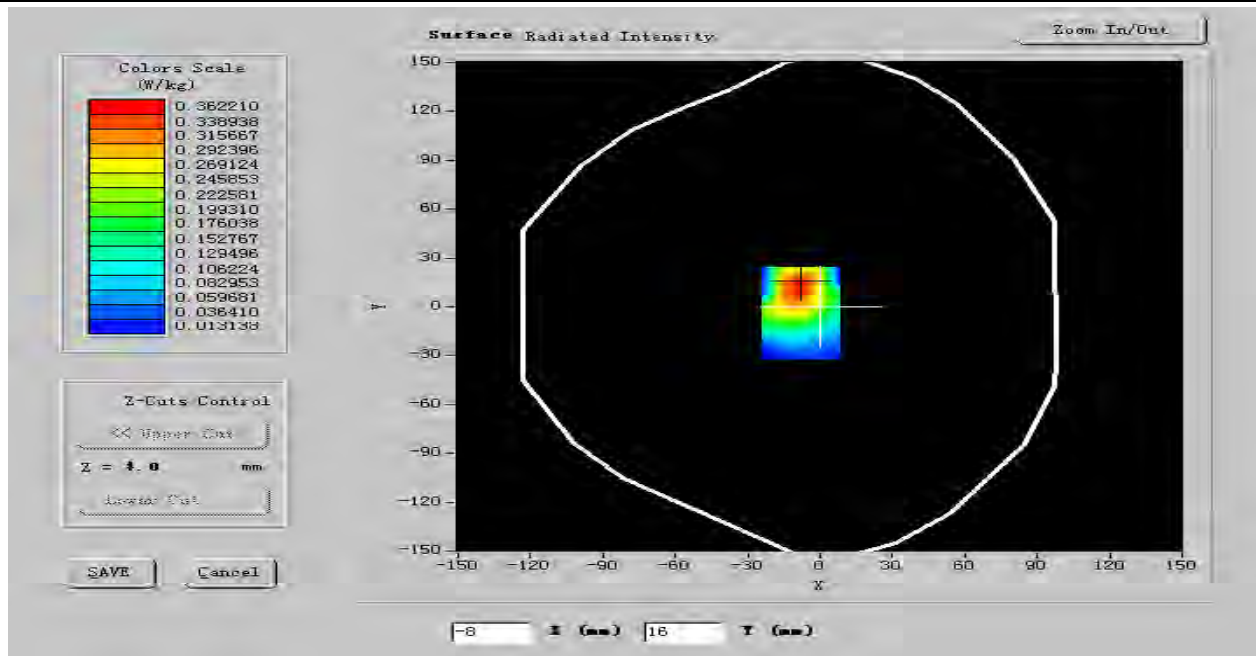
ConvF:

41.01, 42.41, 55.65

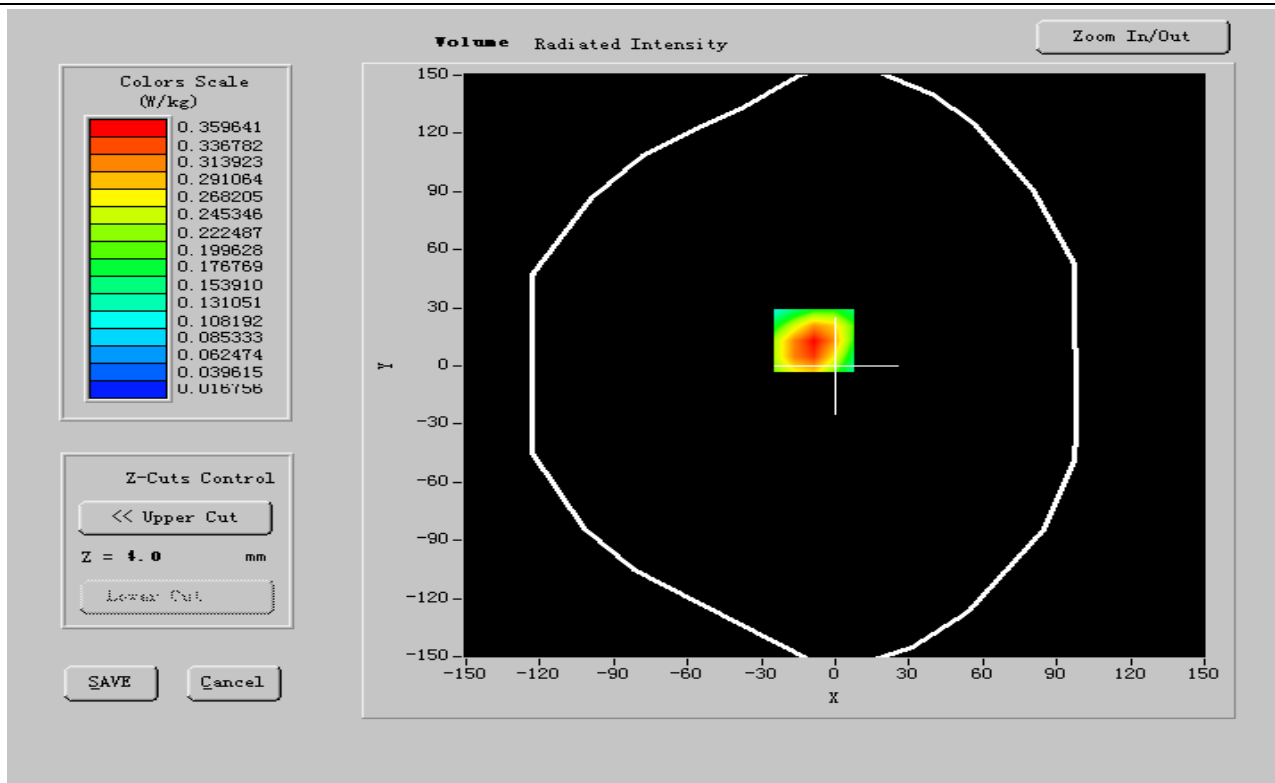
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



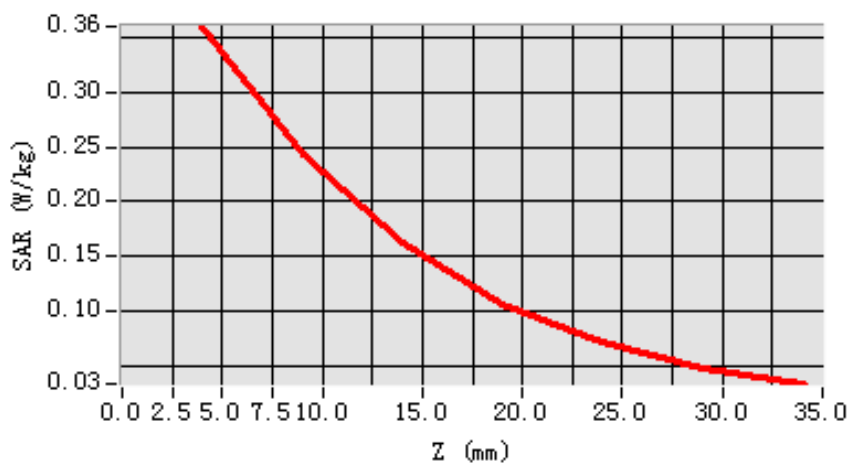


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.130236
SAR 1g (W/Kg)	0.182147

**Z Axis Scan**

**SAR, Z Axis Scan (X = -9, Y = 13)**





## MEASUREMENT 15

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	FrontSide toward phantom
<b>Band</b>	WCDMA BAND II
<b>Channels</b>	High
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>1907.690210</b>
<b>Relative permittivity (real part)</b>	<b>52.980331</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.606316</b>
<b>Conductivity (S/m)</b>	<b>1.500122</b>
<b>Variation (%)</b>	<b>-0.400000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



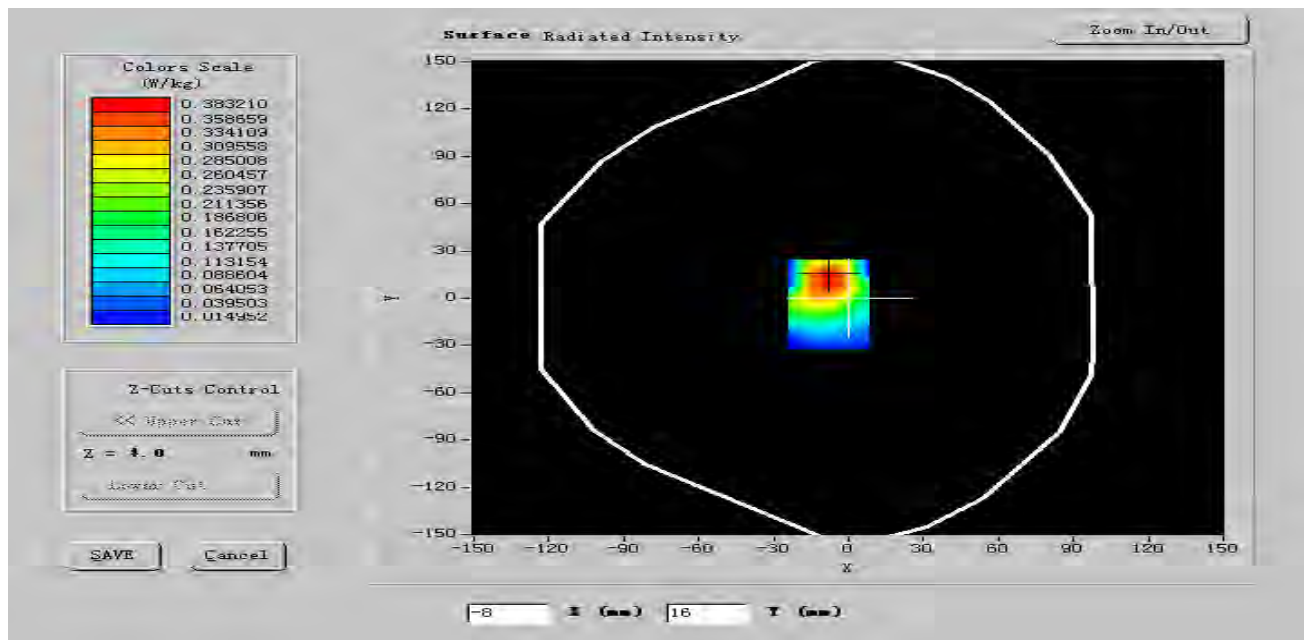
ConvF:

41.01, 42.41, 55.65

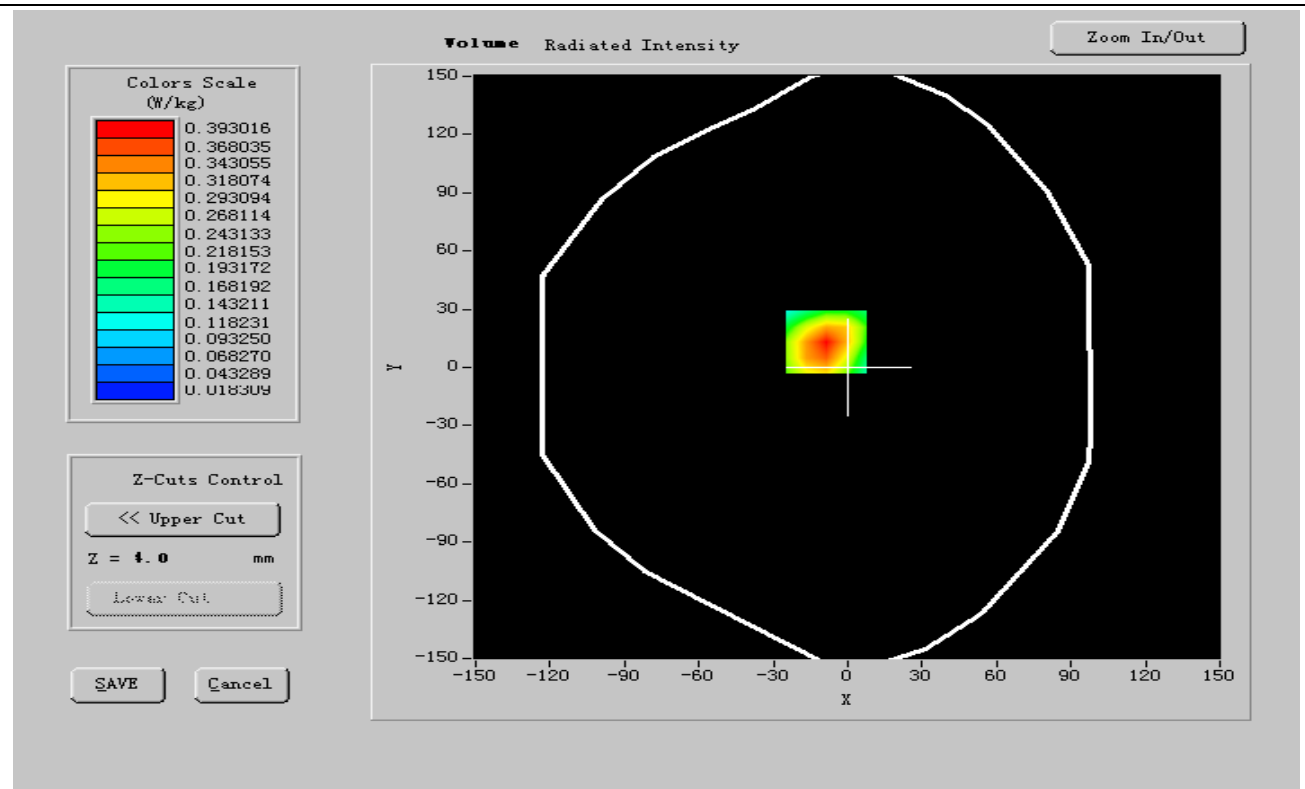
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



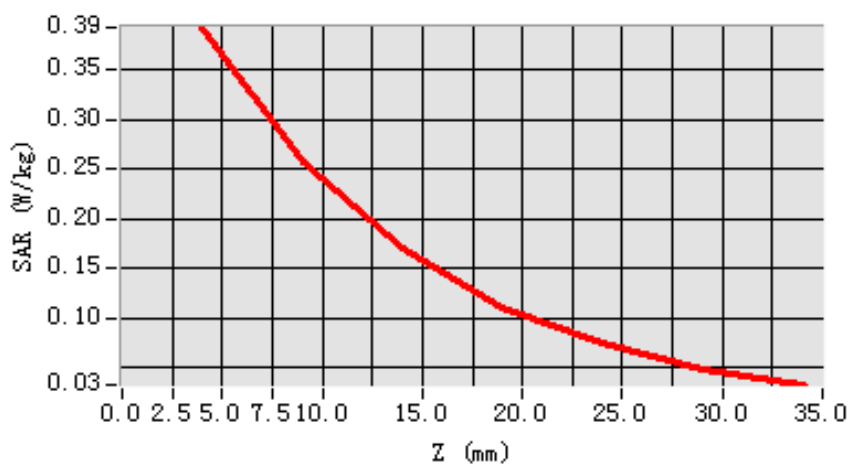


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.101347
SAR 1g (W/Kg)	0.170230

**Z Axis Scan**

**SAR, Z Axis Scan (X = -9, Y = 13)**







## MEASUREMENT 16

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	BackSide toward phantom
<b>Band</b>	WCDMA BAND II
<b>Channels</b>	Low
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

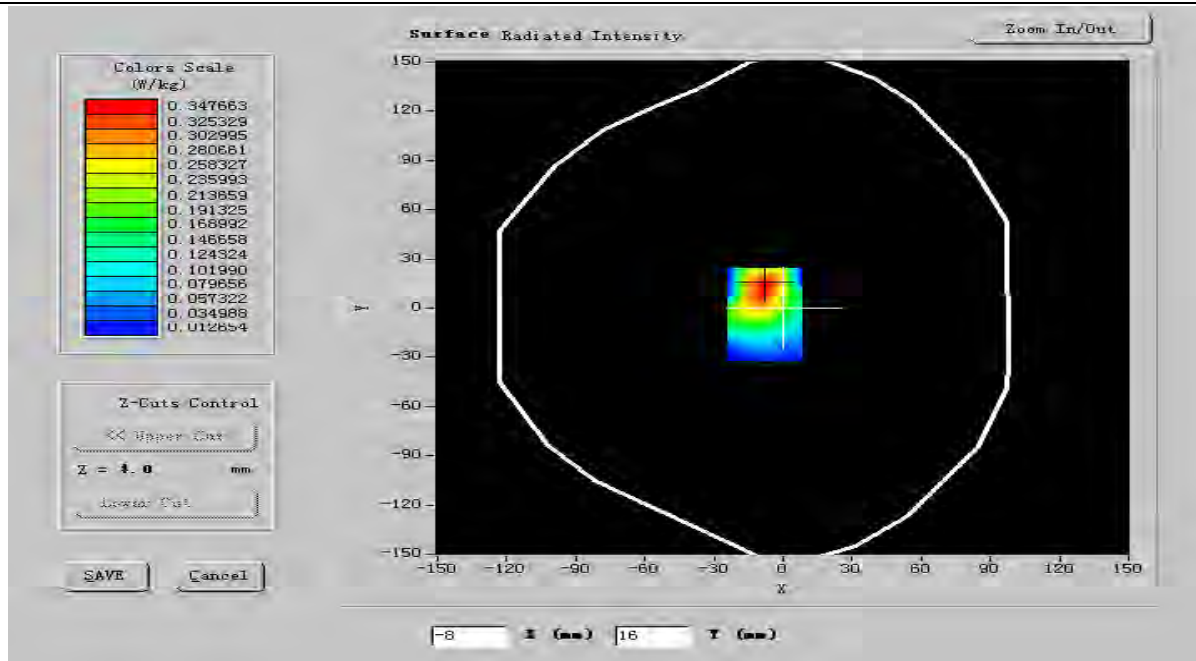
<b>Frequency (MHz)</b>	<b>1852.400004</b>
<b>Relative permittivity (real part)</b>	<b>53.015811</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.569571</b>
<b>Conductivity (S/m)</b>	<b>1.495712</b>
<b>Variation (%)</b>	<b>-0.120000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>
<b>ConvF:</b>	<b>41.01, 42.41, 55.65</b>



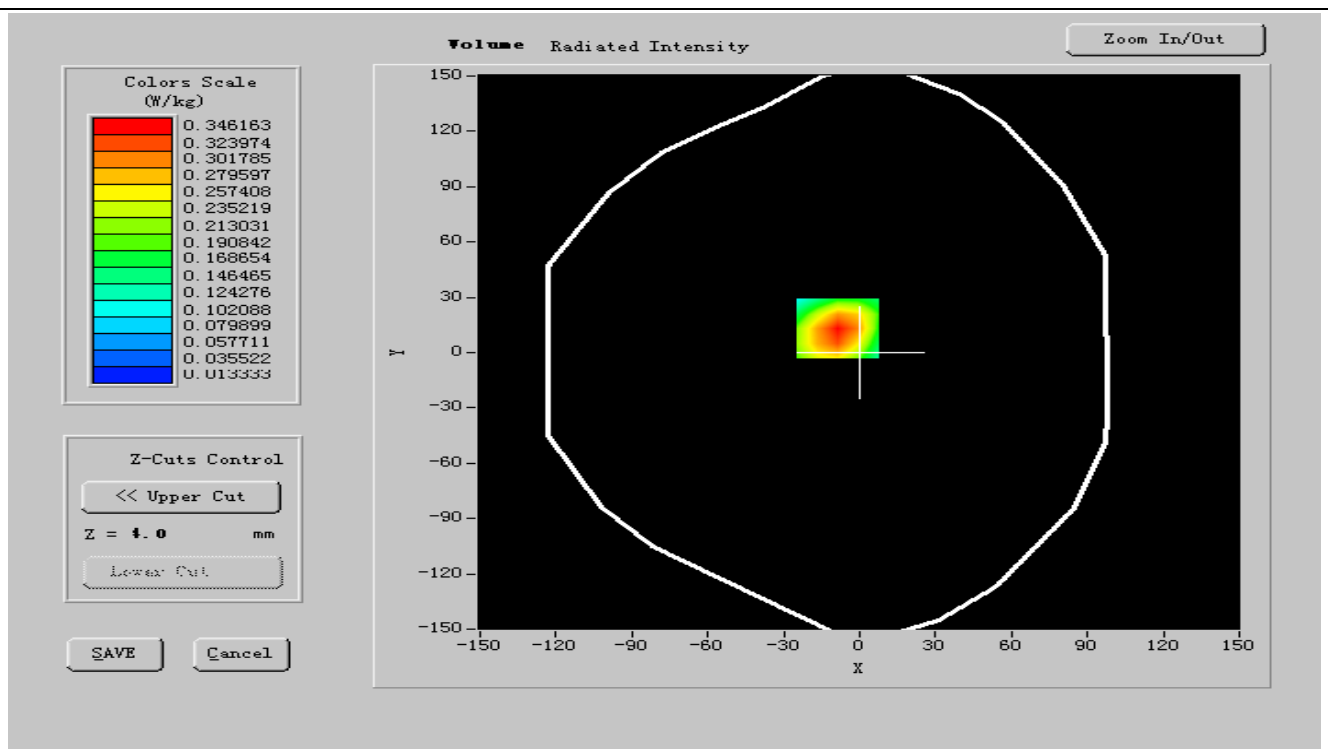
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



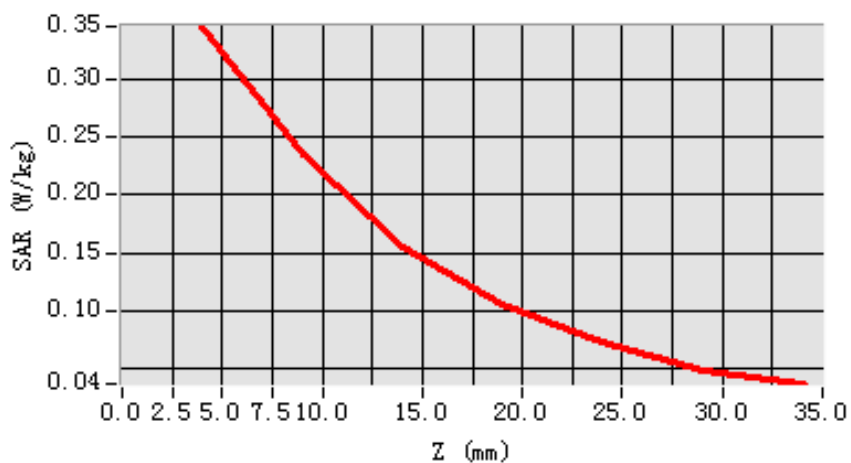


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.094120
SAR 1g (W/Kg)	0.126541

**Z Axis Scan**

**SAR, Z Axis Scan (X = -9, Y = 13)**





## MEASUREMENT 17

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	BackSide toward phantom
<b>Band</b>	WCDMA BAND II
<b>Channels</b>	Middle
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>1880.000000</b>
<b>Relative permittivity (real part)</b>	<b>52.985111</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.621505</b>
<b>Conductivity (S/m)</b>	<b>1.532210</b>
<b>Variation (%)</b>	<b>-0.600000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



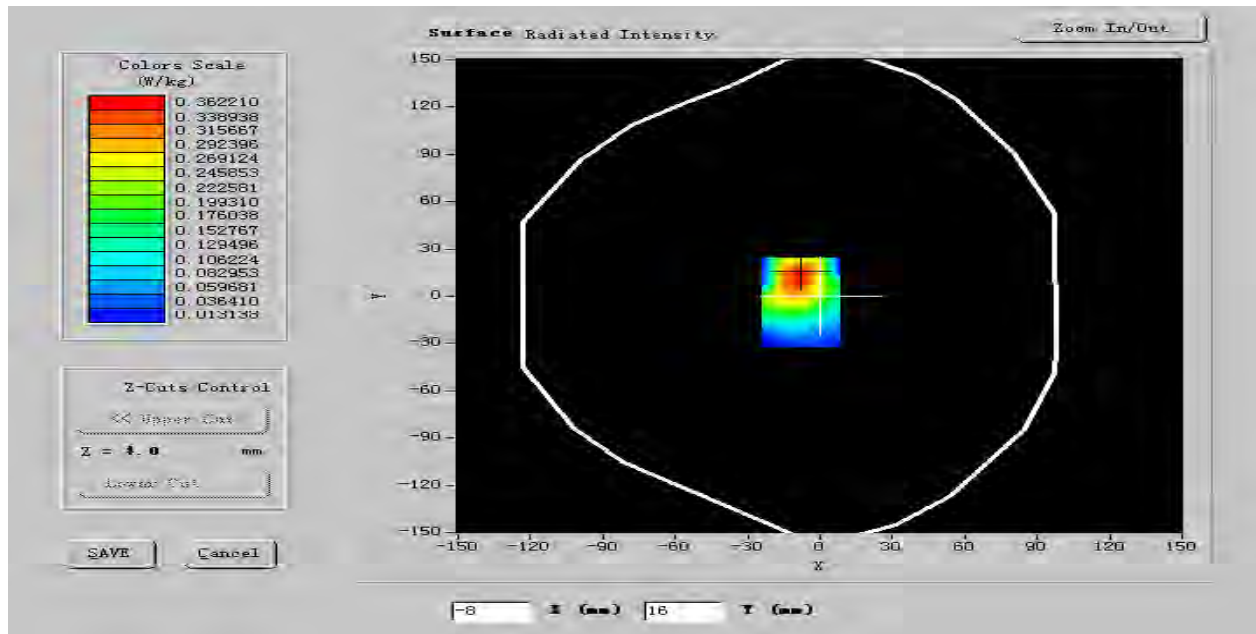
ConvF:

41.01, 42.41, 55.65

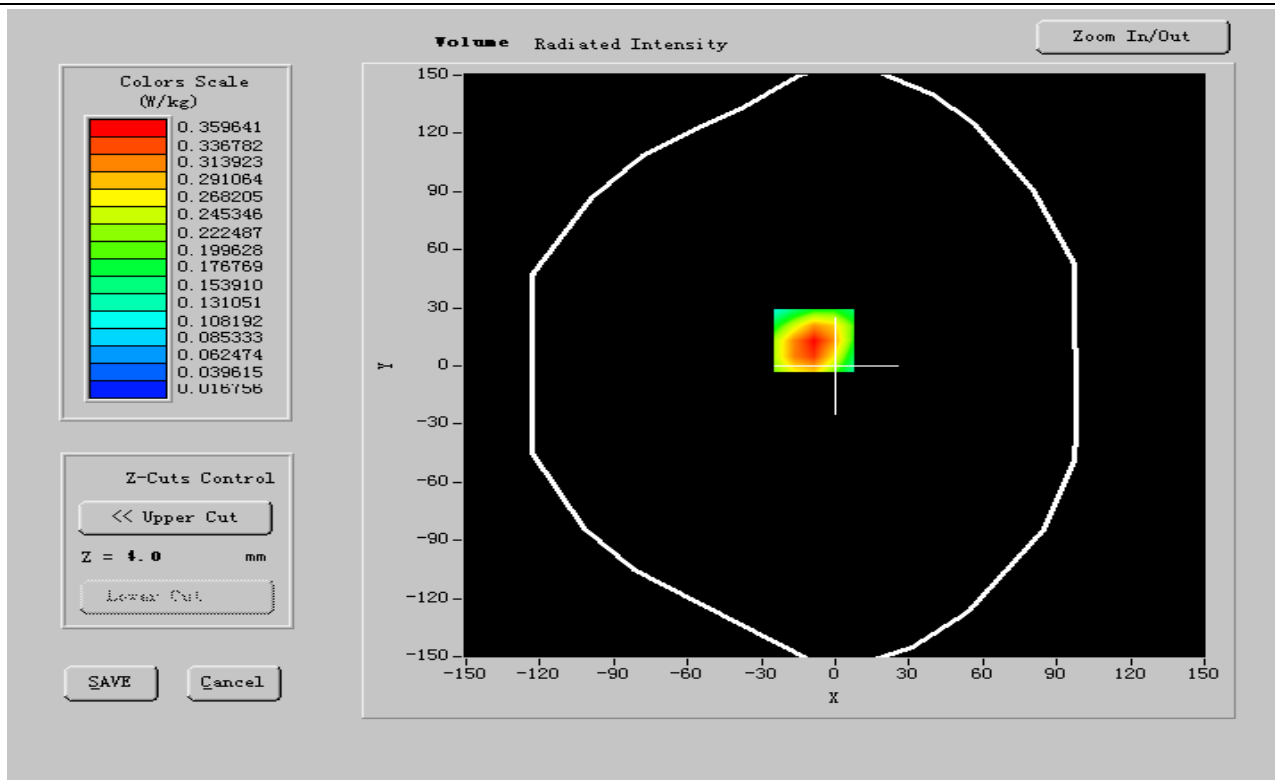
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



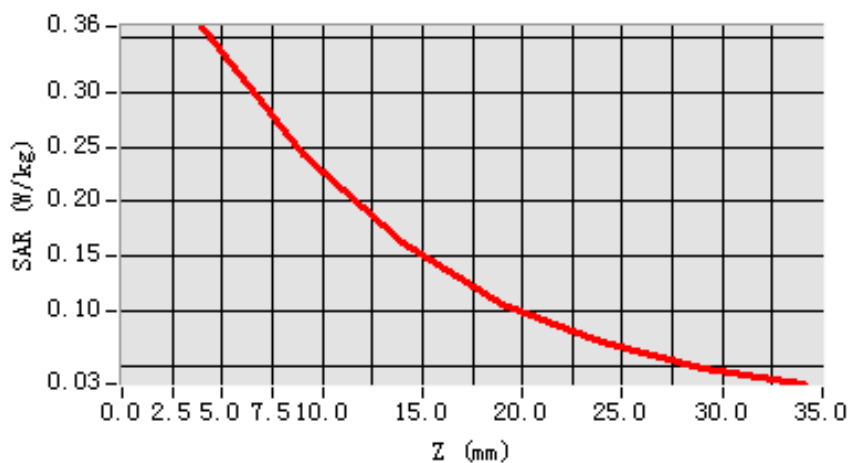


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.121016
SAR 1g (W/Kg)	0.148327

**Z Axis Scan**

**SAR, Z Axis Scan (X = -9, Y = 13)**





## MEASUREMENT 18

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	BackSide toward phantom
<b>Band</b>	WCDMA BAND II
<b>Channels</b>	High
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>1907.690210</b>
<b>Relative permittivity (real part)</b>	<b>52.971521</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.595410</b>
<b>Conductivity (S/m)</b>	<b>1.503212</b>
<b>Variation (%)</b>	<b>-0.200000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



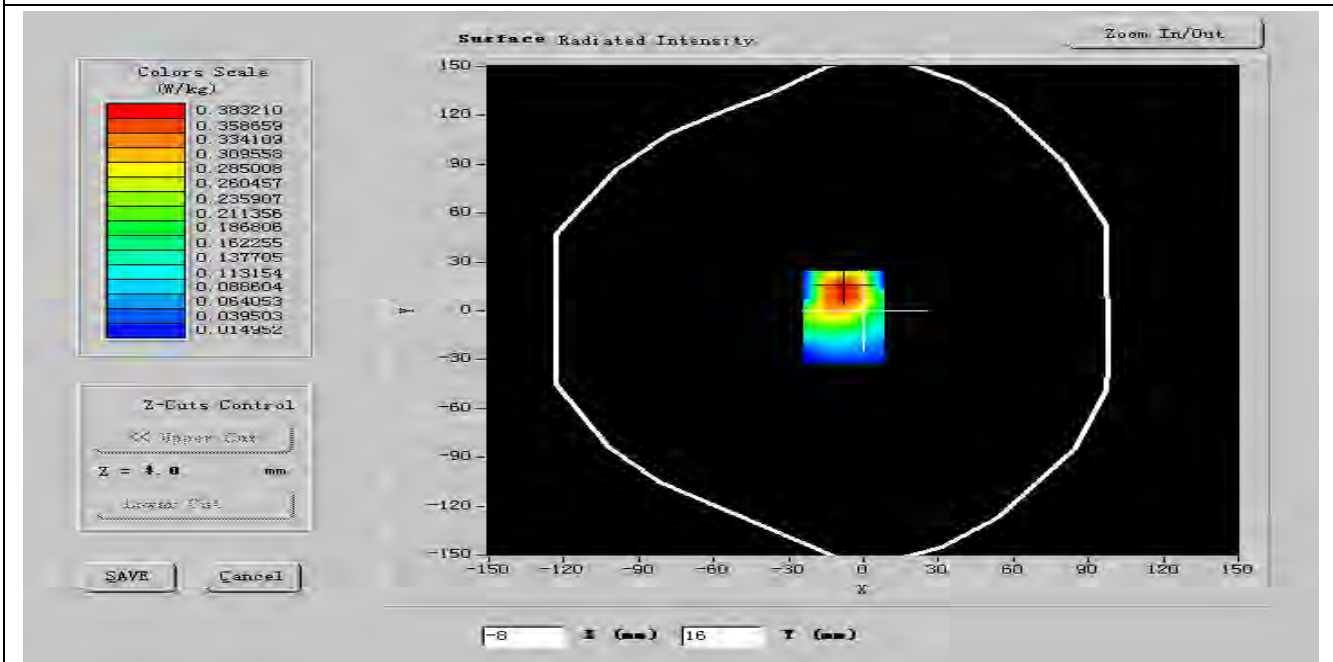
ConvF:

41.01, 42.41, 55.65

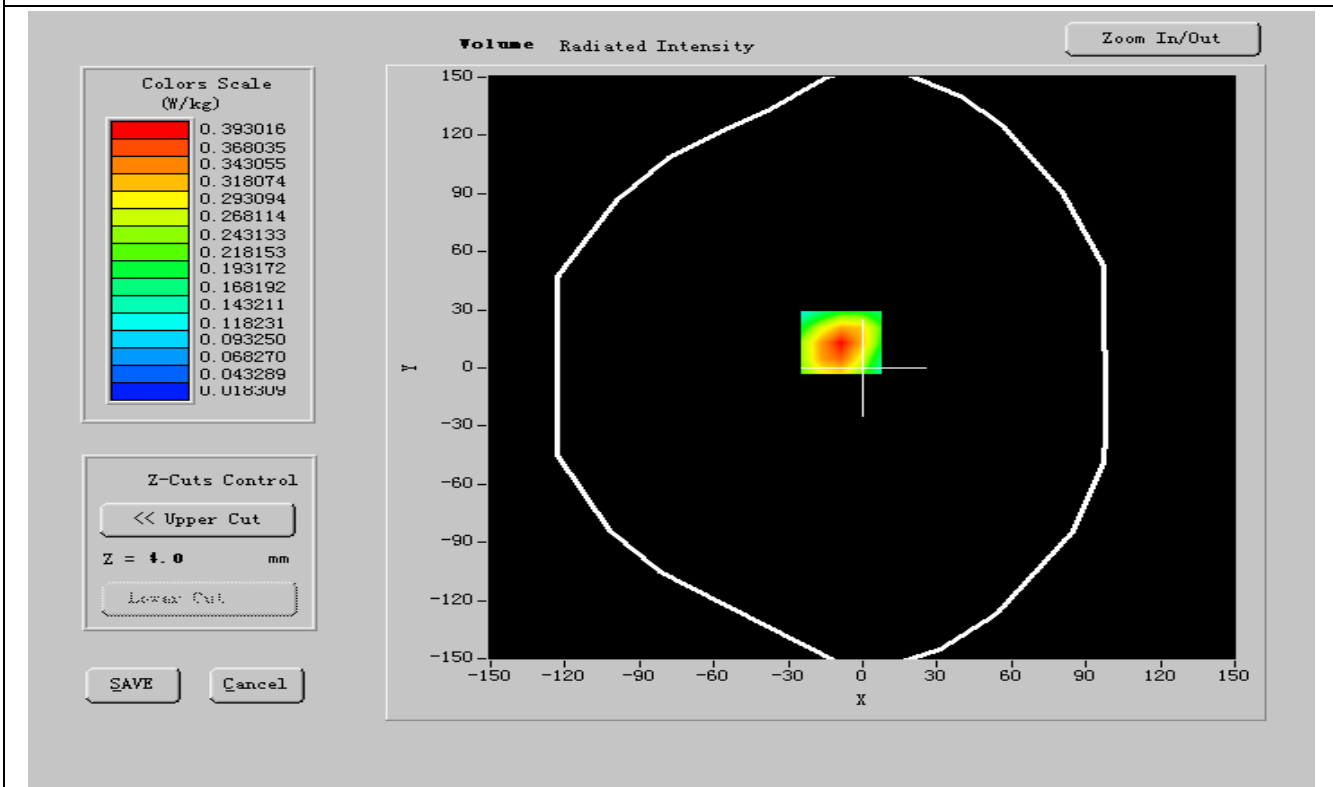
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR





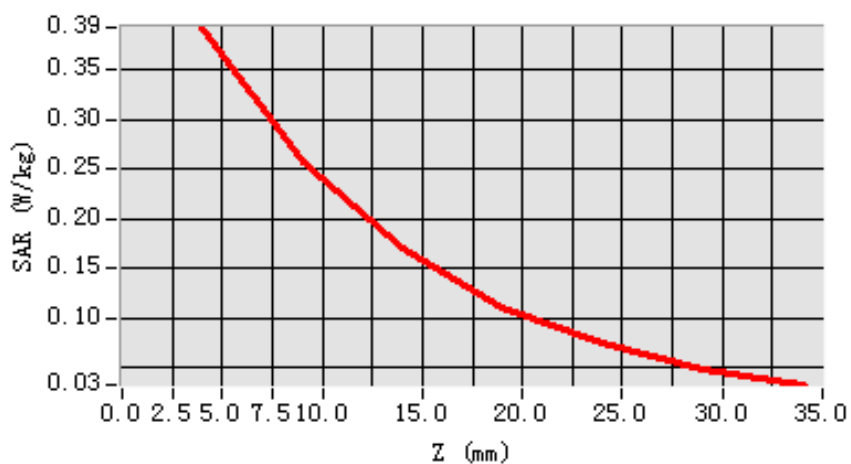


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.112017
SAR 1g (W/Kg)	0.157520

**Z Axis Scan**

**SAR, Z Axis Scan (X = -9, Y = 13)**





## MEASUREMENT 19

**Date of measurement: 02/20/2011**

**Area Scan: 7 x 7 x 1**

**dx=15mm**

**dy=15mm**

**Zoom Scan: 5 x 5 x 7**

**dx=5mm**

**dy=5mm**

**dz=5mm**

**Z Axis Scan: 1 x 1 x 21**

**dx=20mm**

**dy=20mm**

**dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	FrontSide toward phantom
<b>Band</b>	HSDPA BAND II
<b>Channels</b>	Low
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

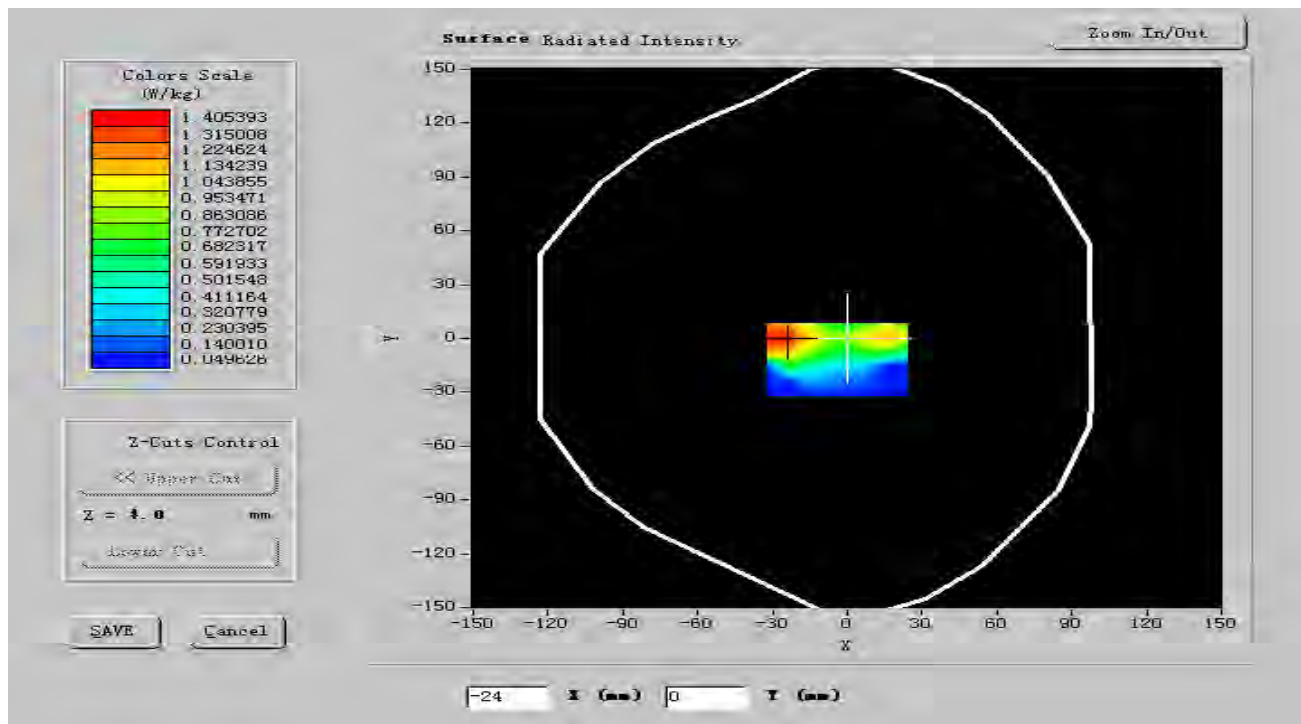
<b>Frequency (MHz)</b>	<b>1852.400004</b>
<b>Relative permittivity (real part)</b>	<b>53.002030</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.572017</b>
<b>Conductivity (S/m)</b>	<b>1.496001</b>
<b>Variation (%)</b>	<b>-0.130000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>
<b>ConvF:</b>	<b>41.01, 42.41, 55.65</b>



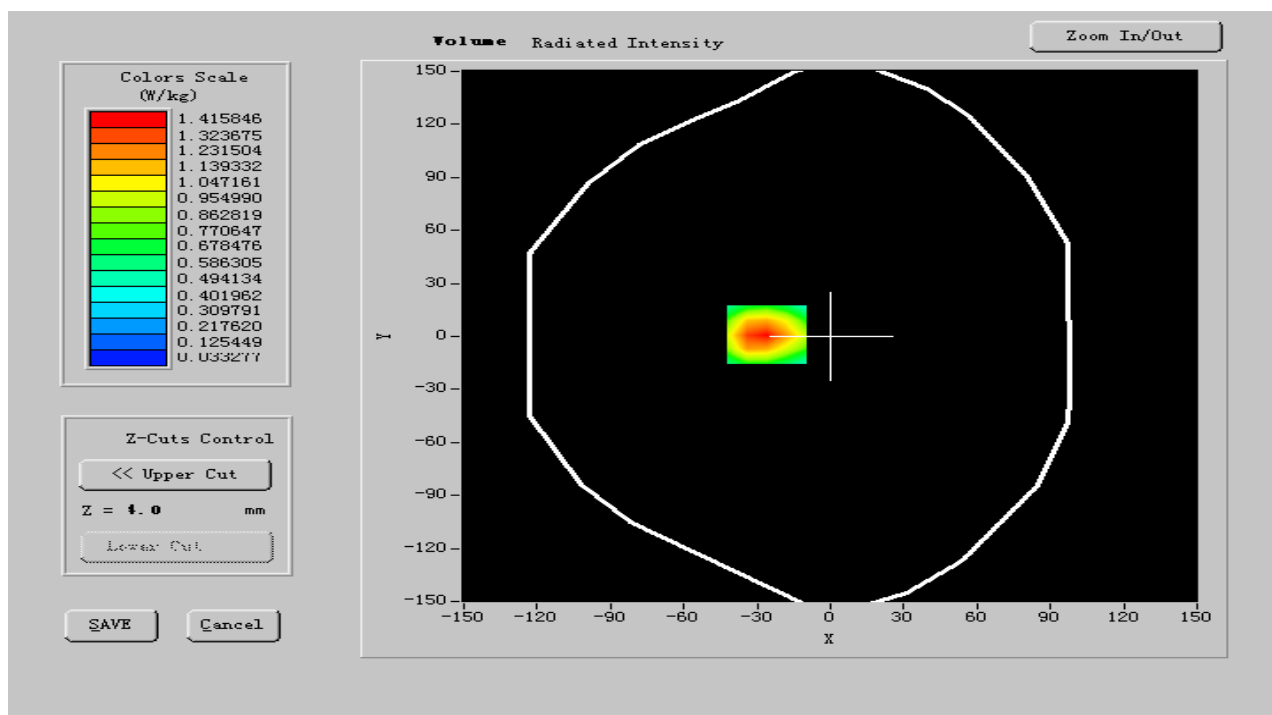
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



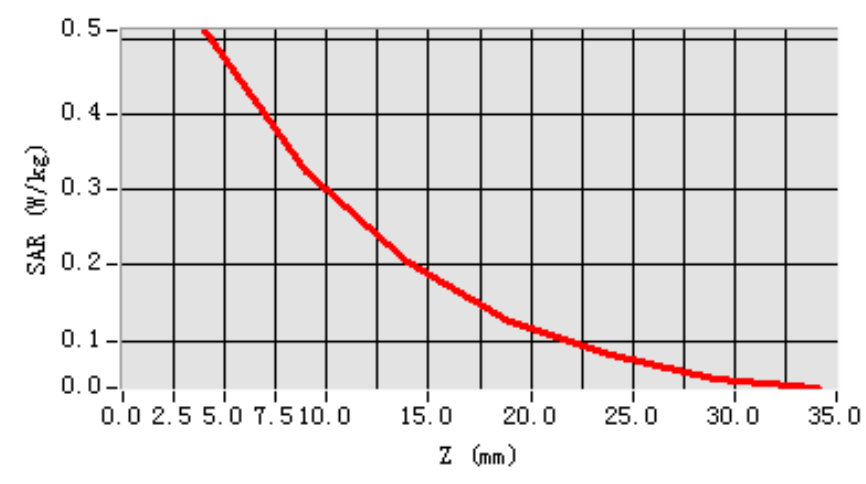


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.120212
SAR 1g (W/Kg)	0.171256

**Z Axis Scan**

**SAR, Z Axis Scan (X = -10, Y = 12)**





## MEASUREMENT 20

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	FrontSide toward phantom
<b>Band</b>	HSDPA BAND II
<b>Channels</b>	Middle
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>1880.000000</b>
<b>Relative permittivity (real part)</b>	<b>52.952056</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.62128</b>
<b>Conductivity (S/m)</b>	<b>1.500234</b>
<b>Variation (%)</b>	<b>-0.600000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



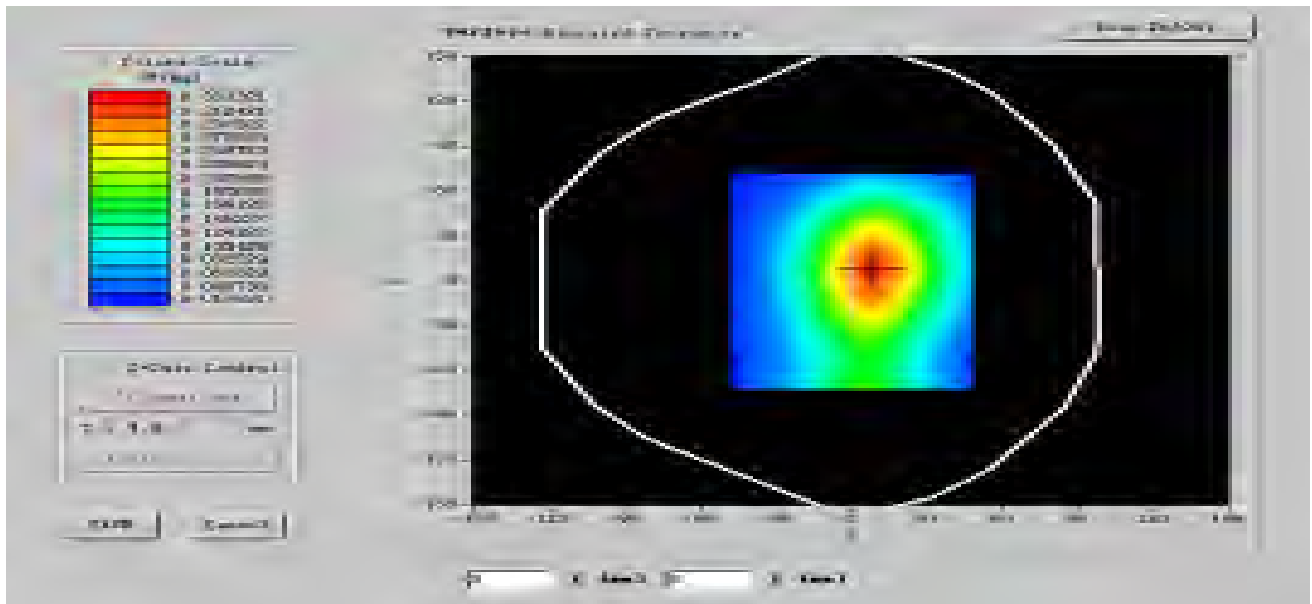
ConvF:

41.01, 42.41, 55.65

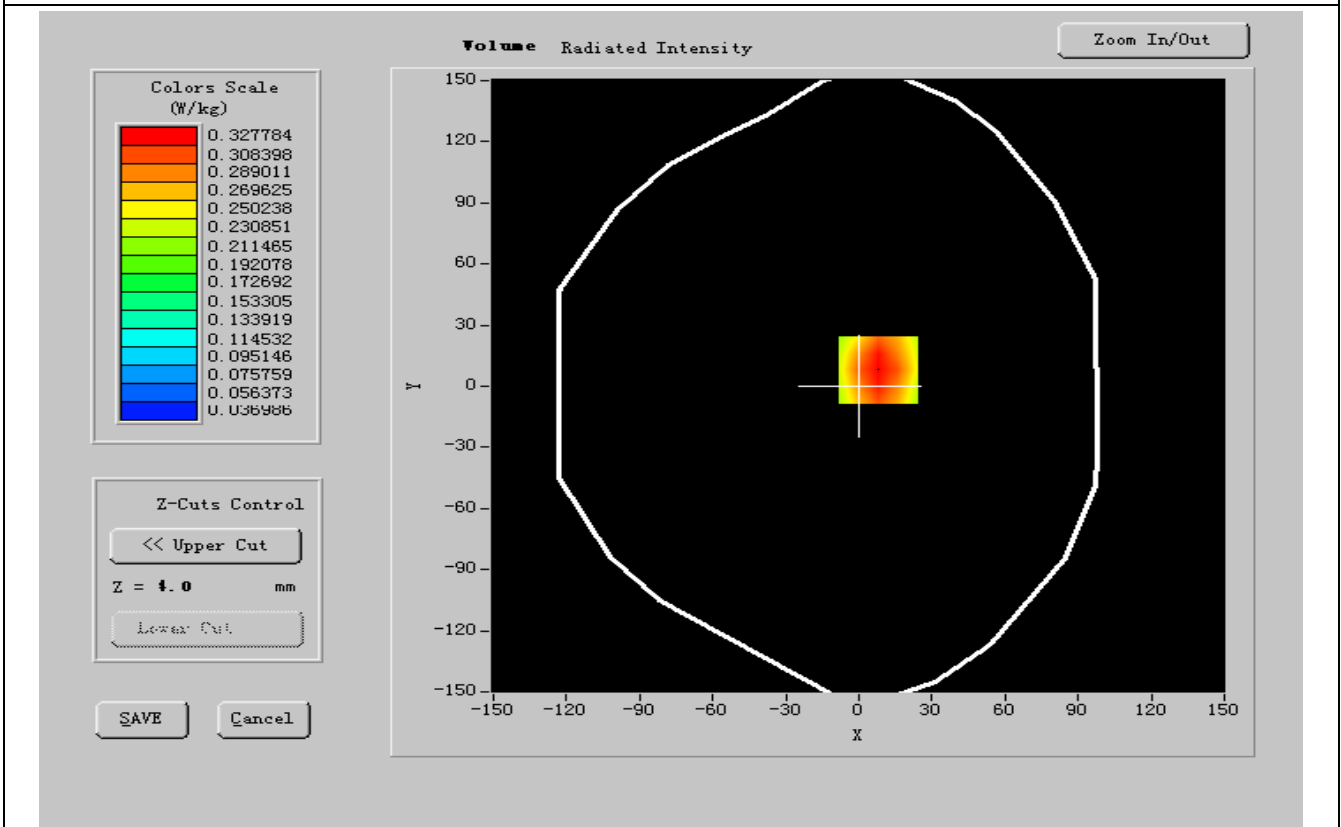
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



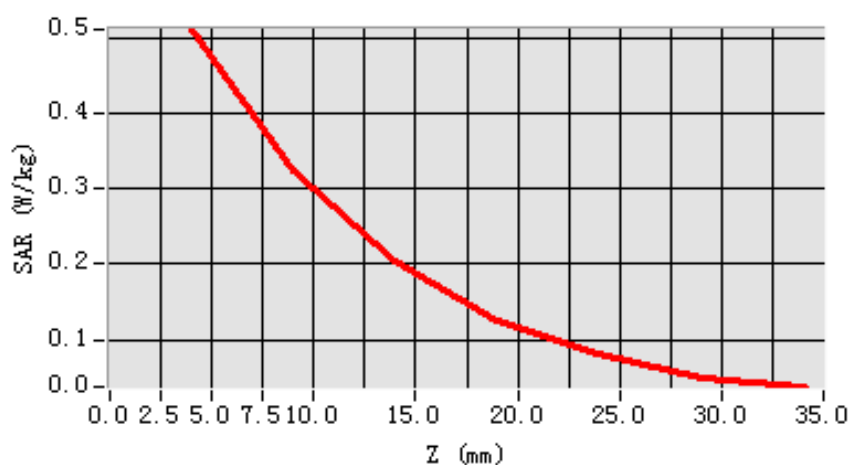


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.110369
SAR 1g (W/Kg)	0.183448

**Z Axis Scan**

**SAR, Z Axis Scan (X = -10, Y = 12)**





## MEASUREMENT 21

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	FrontSide toward phantom
<b>Band</b>	HSDPA BAND II
<b>Channels</b>	High
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>1906.790210</b>
<b>Relative permittivity (real part)</b>	<b>52.980116</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.606329</b>
<b>Conductivity (S/m)</b>	<b>1.500147</b>
<b>Variation (%)</b>	<b>-0.400000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>





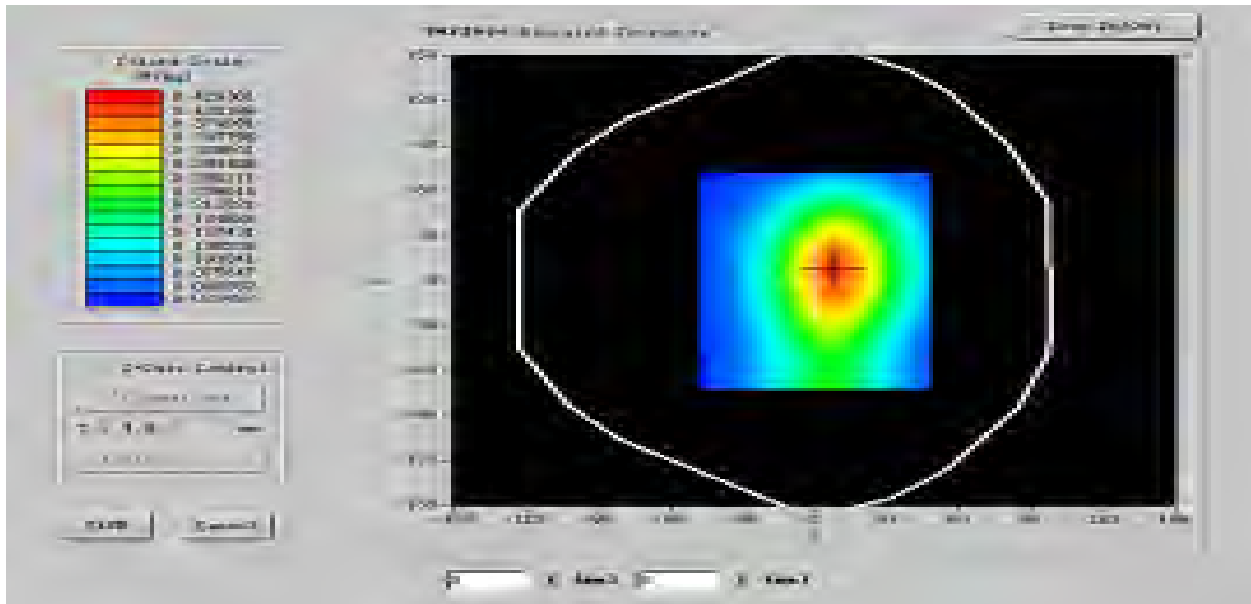
ConvF:

41.01, 42.41, 55.65

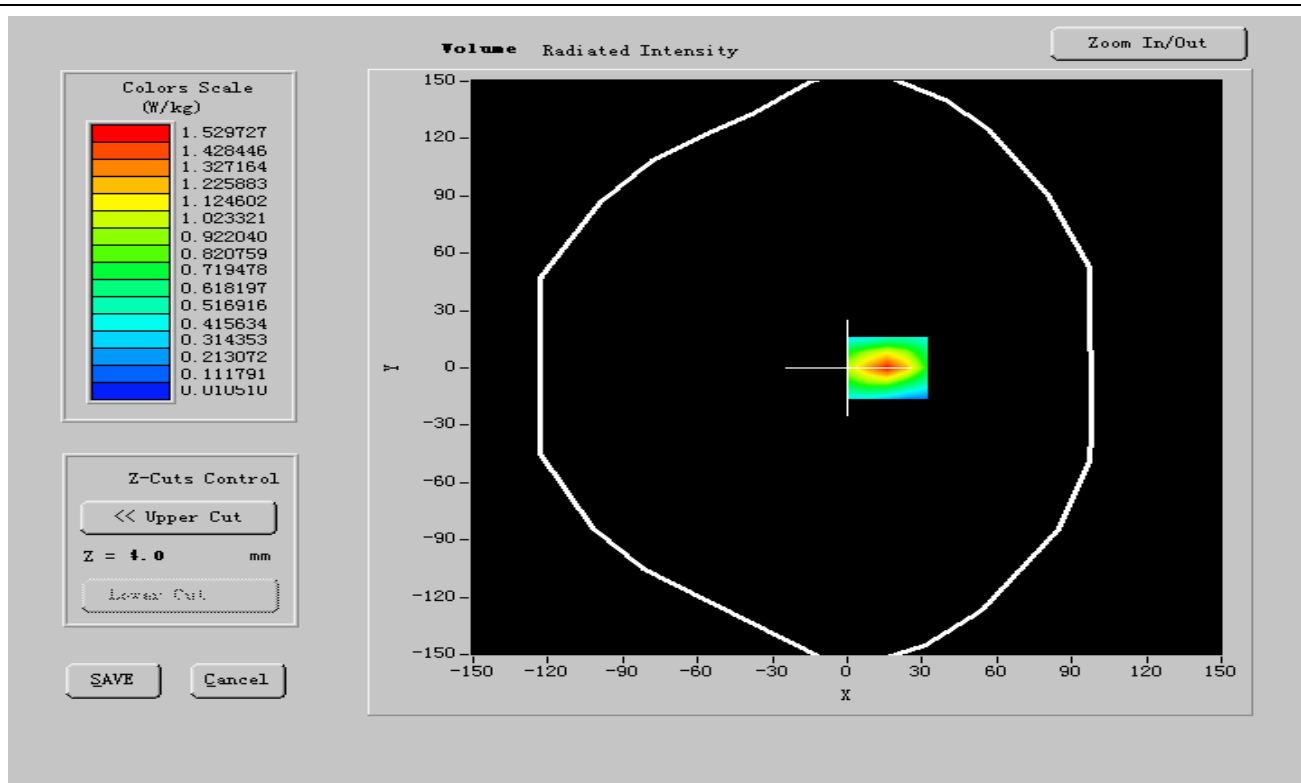
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



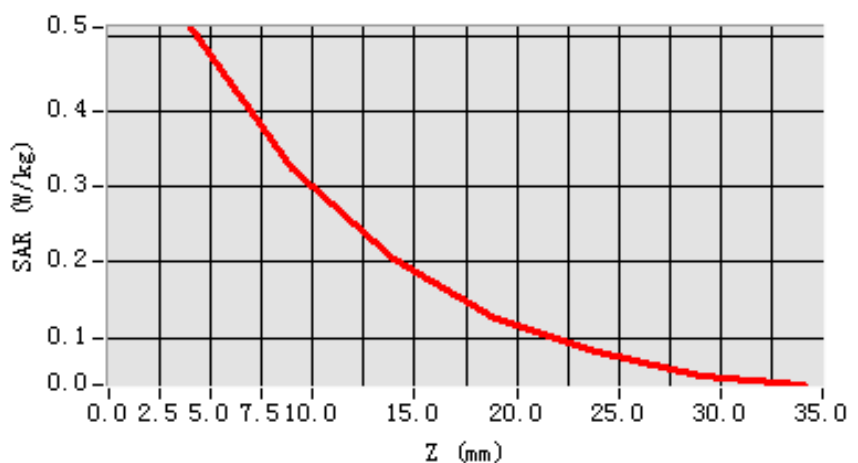


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.091241
SAR 1g (W/Kg)	0.153211

**Z Axis Scan**

**SAR, Z Axis Scan (X = -10, Y = 12)**



**MEASUREMENT 22****Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	BackSide toward phantom
<b>Band</b>	HSDPA BAND II
<b>Channels</b>	Low
<b>Signal</b>	WCDMA

**B. Instrumentations.**

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

**C. SAR Measurement Results**

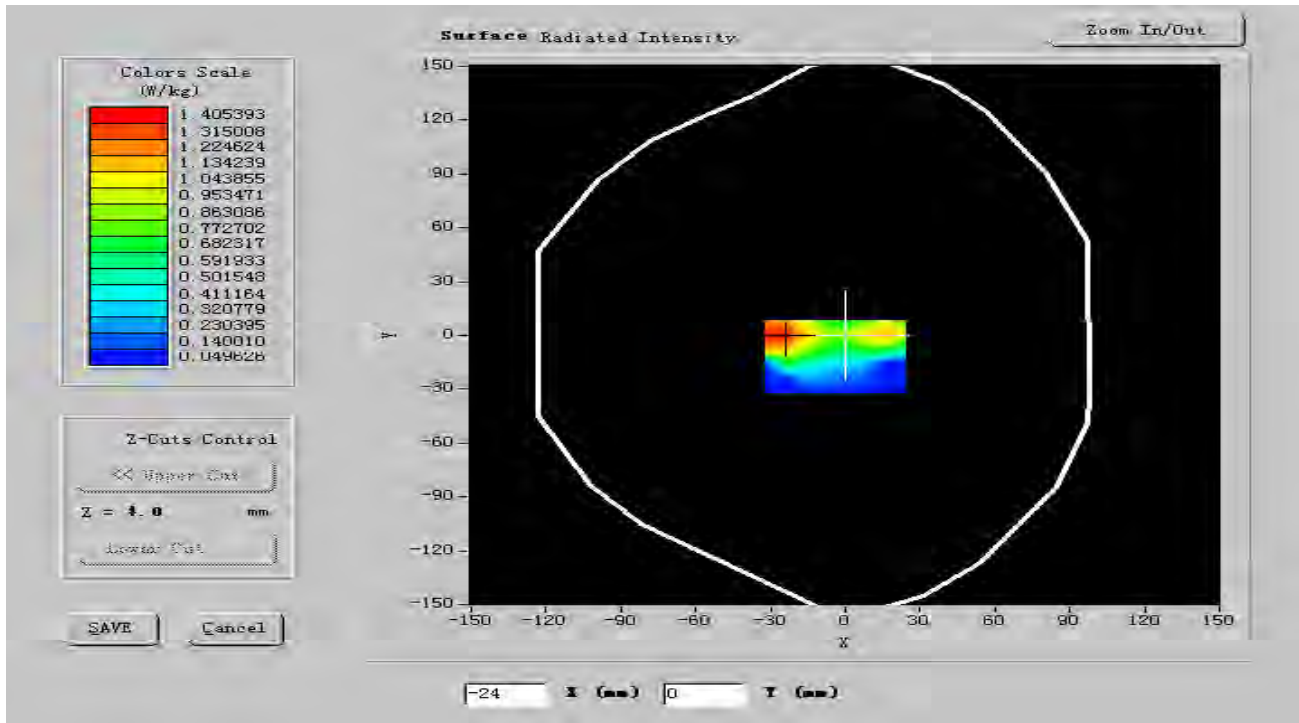
<b>Frequency (MHz)</b>	<b>1852.400004</b>
<b>Relative permittivity (real part)</b>	<b>53.026500</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.572017</b>
<b>Conductivity (S/m)</b>	<b>1.496001</b>
<b>Variation (%)</b>	<b>-0.130000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>
<b>ConvF:</b>	<b>41.01, 42.41, 55.65</b>



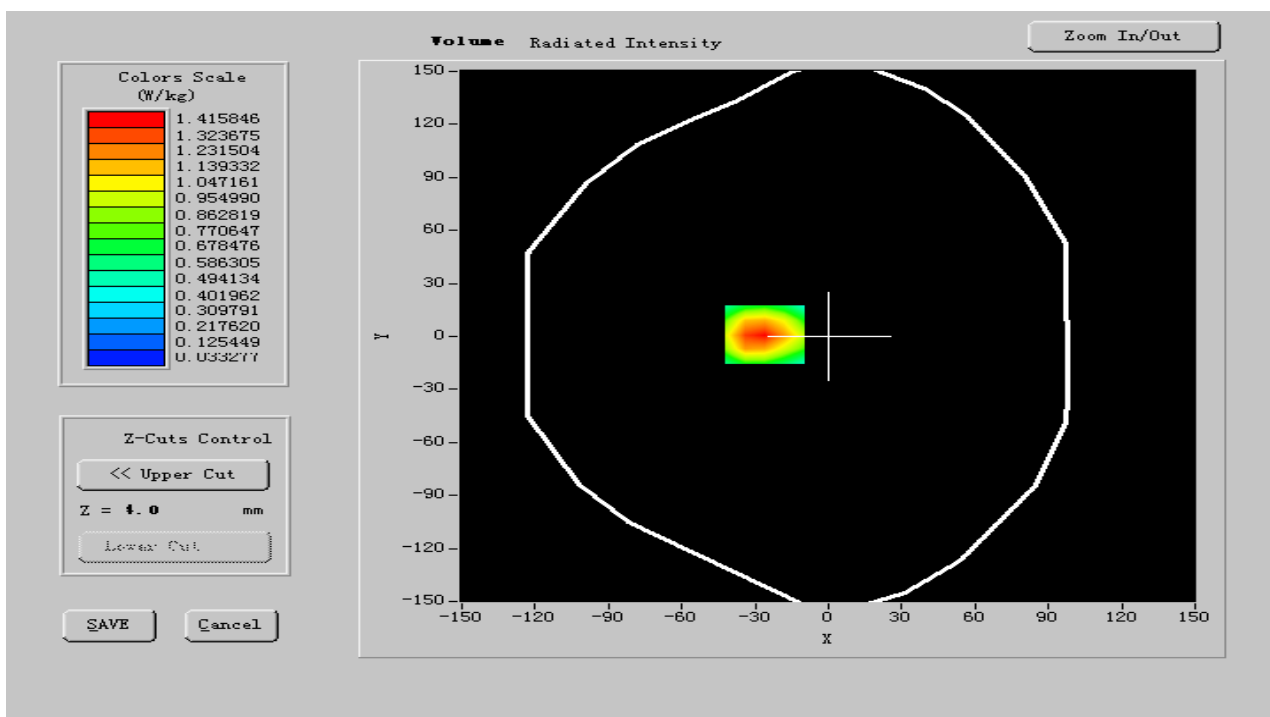
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



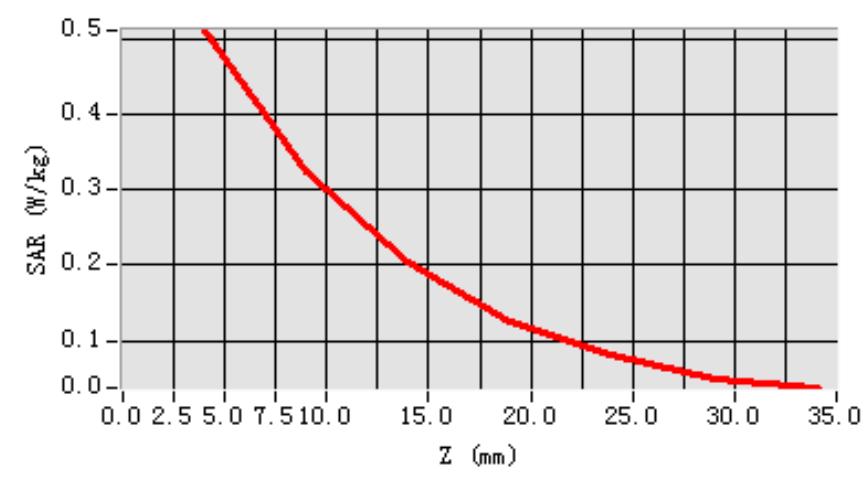


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.121562
SAR 1g (W/Kg)	0.155366

**Z Axis Scan**

**SAR, Z Axis Scan (X = -10, Y = 12)**





## MEASUREMENT 23

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	BackSide toward phantom
<b>Band</b>	HSDPA BAND II
<b>Channels</b>	Middle
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>1880.000000</b>
<b>Relative permittivity (real part)</b>	<b>52.954120</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.623600</b>
<b>Conductivity (S/m)</b>	<b>1.521254</b>
<b>Variation (%)</b>	<b>-0.600000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



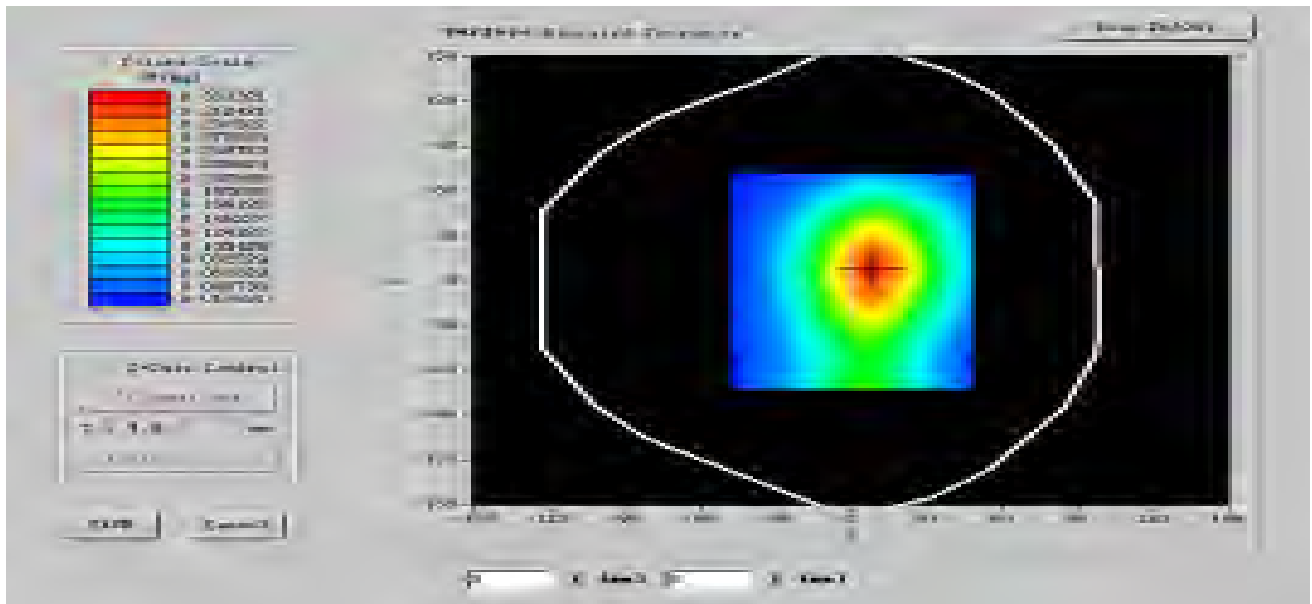
ConvF:

41.01, 42.41, 55.65

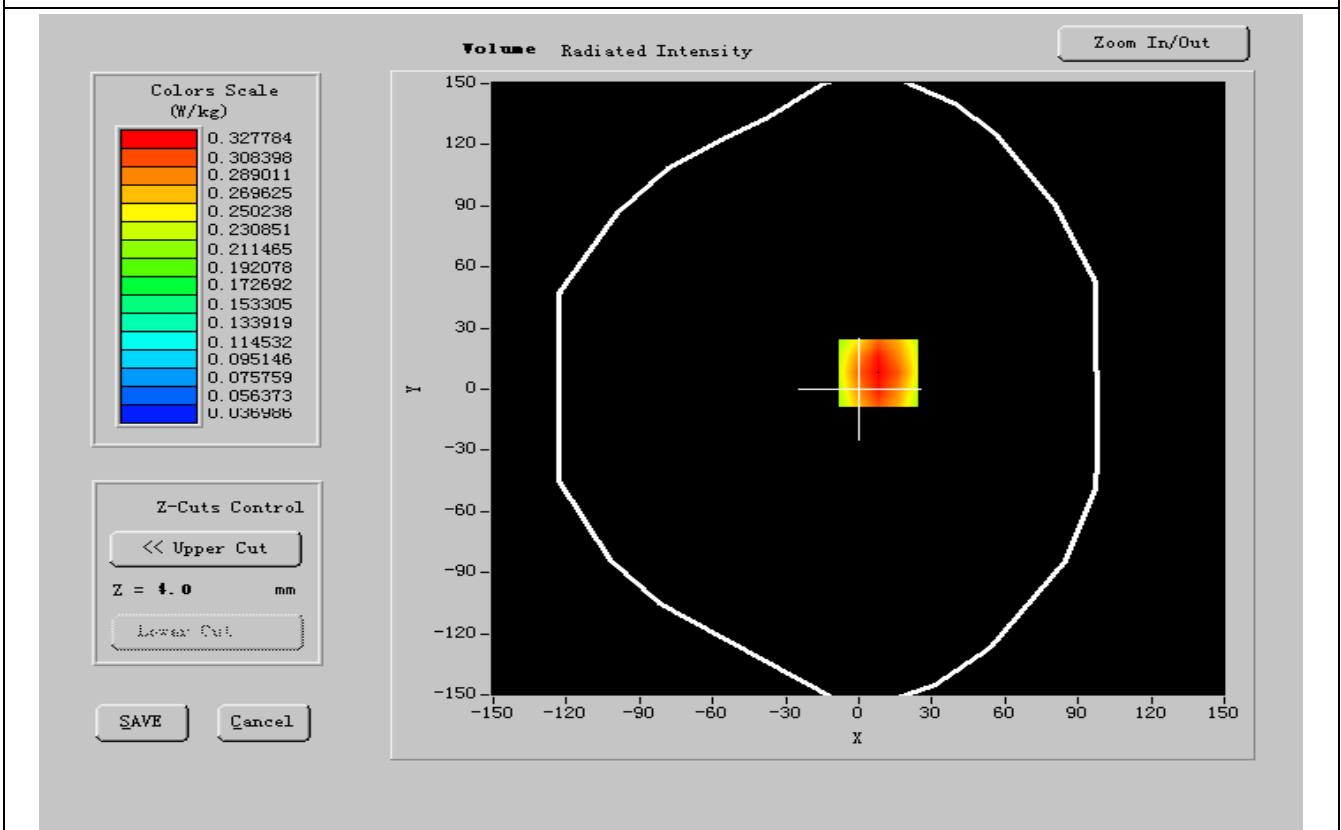
Crest factor:

1:1

### SURFACE SAR



### VOLUME SAR



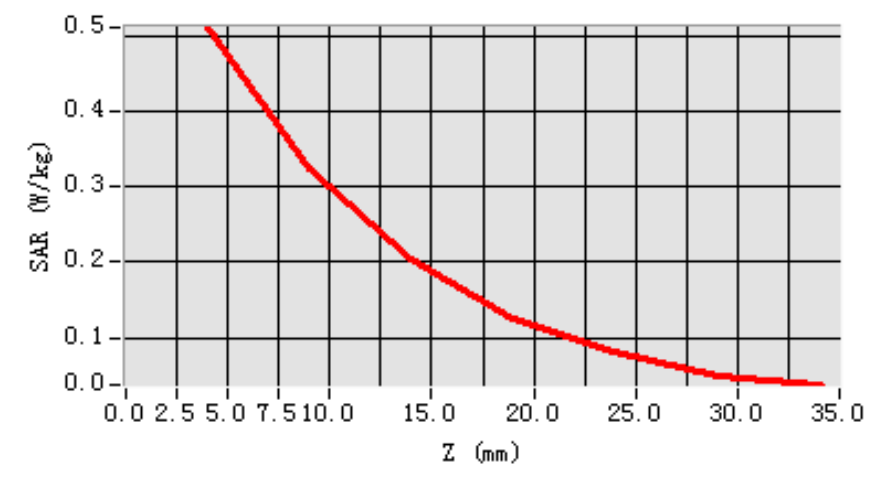


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.112669
SAR 1g (W/Kg)	0.165344

**Z Axis Scan**

**SAR, Z Axis Scan (X = -10, Y = 12)**







## MEASUREMENT 24

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	BackSide toward phantom
<b>Band</b>	HSDPA BAND II
<b>Channels</b>	High
<b>Signal</b>	WCDMA

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 1900</b>	<b>Antennessa (DIPI36, SN 48/05)</b>	<b>Calibration Due: 02/09/2012</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>1906.790210</b>
<b>Relative permittivity (real part)</b>	<b>52.965210</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.615420</b>
<b>Conductivity (S/m)</b>	<b>1.512517</b>
<b>Variation (%)</b>	<b>-0.400000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



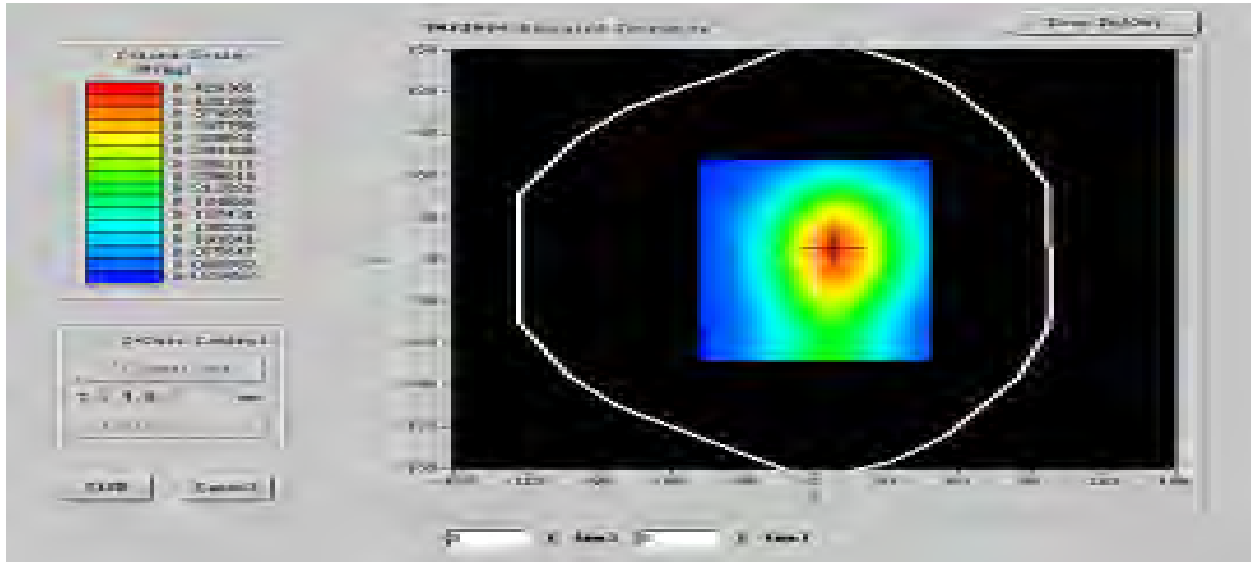
ConvF:

41.01, 42.41, 55.65

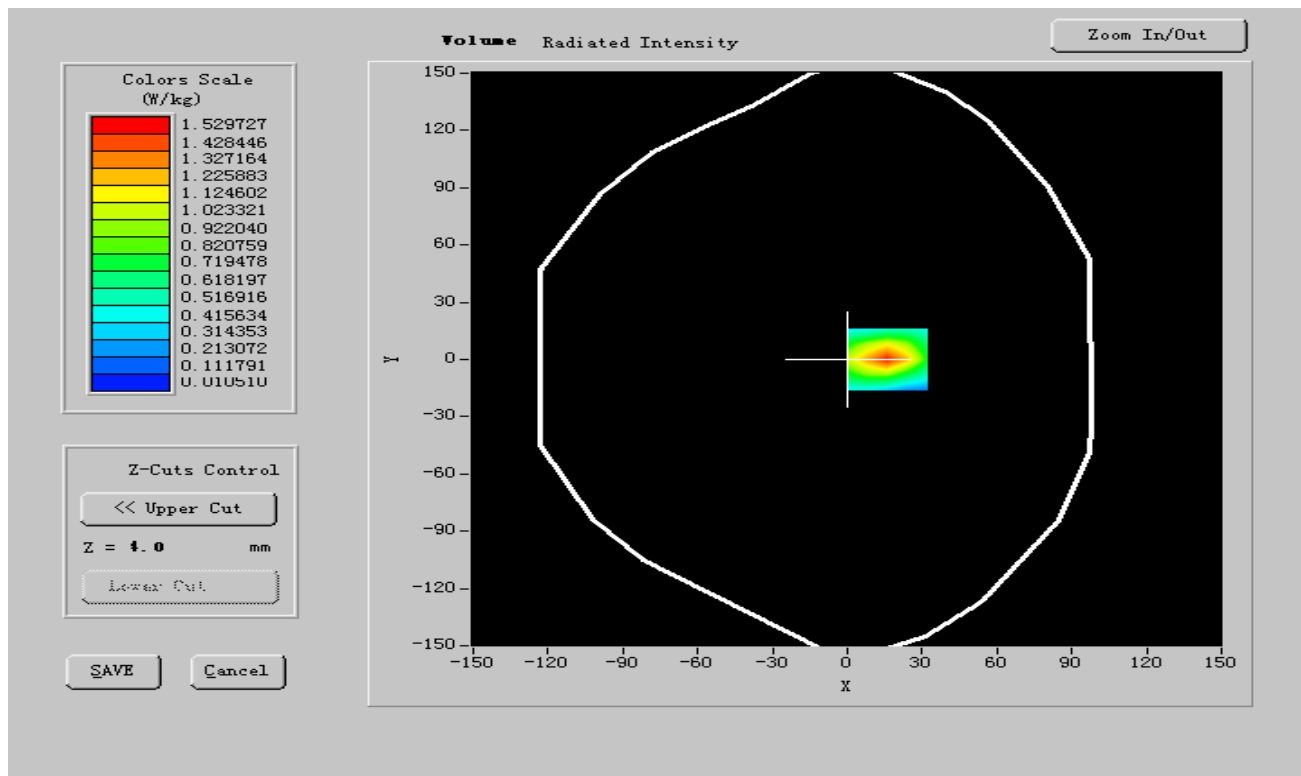
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



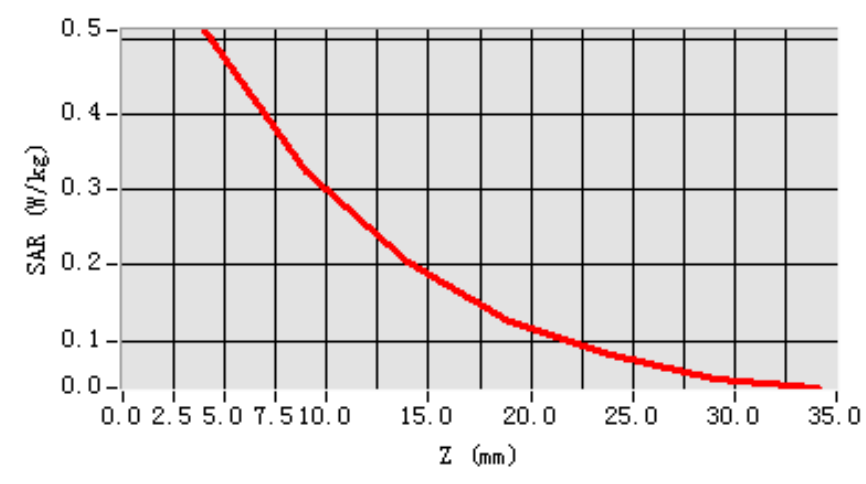


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.098741
SAR 1g (W/Kg)	0.157321

**Z Axis Scan**

**SAR, Z Axis Scan (X = -10, Y = 12)**





### IIII. 802.11 B RESULTS

<u>TYPE</u>	<u>PARAMETERS</u>
<u>Phone</u>	<u>Measurement 1:</u> Right Head with Cheek device position on Low Channel in 802.11b mode <u>Measurement 2:</u> Right Head with Cheek device position on Middle Channel in 802.11b mode <u>Measurement 3:</u> Right Head with Cheek device position on High Channel in 802.11b mode <u>Measurement 4:</u> Right Head with Tilt device position on Low Channel in 802.11b mode <u>Measurement 5:</u> Right Head with Tilt device position on Middle Channel in 802.11b mode <u>Measurement 6:</u> Right Head with Tilt device position on High Channel in 802.11b mode <u>Measurement 7:</u> Left Head with Cheek device position on Low Channel in 802.11b mode <u>Measurement 8:</u> Left Head with Cheek device position on Middle Channel in 802.11b mode <u>Measurement 9:</u> Left Head with Cheek device position on High Channel in 802.11b mode <u>Measurement 10:</u> Left Head with Tilt device position on Low Channel in 802.11b mode <u>Measurement 11:</u> Left Head with Tilt device position on Middle Channel in 802.11b mode <u>Measurement 12:</u> Left Head with Tilt device position on High Channel in 802.11b mode <u>Measurement 13:</u> FrontSide toward phantom 15mm on Low Channel in 802.11b mode <u>Measurement 14:</u> FrontSide toward phantom 15mm on Middle Channel in 802.11b mode <u>Measurement 15:</u> FrontSide toward phantom 15mm on High Channel in 802.11b mode <u>Measurement 16:</u> BackSide toward phantom 15mm on Low Channel in 802.11b mode <u>Measurement 17:</u> BackSide toward phantom 15mm on Middle Channel in 802.11b mode <u>Measurement 18:</u> BackSide toward phantom 15mm on High Channel in 802.11b mode



## MEASUREMENT 1

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	802.11b
<b>Channels</b>	Low
<b>Signal</b>	wireless

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 2450</b>	<b>Antennessa (DIPJ37,SN 48/05)</b>	<b>Calibration Due: 10/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

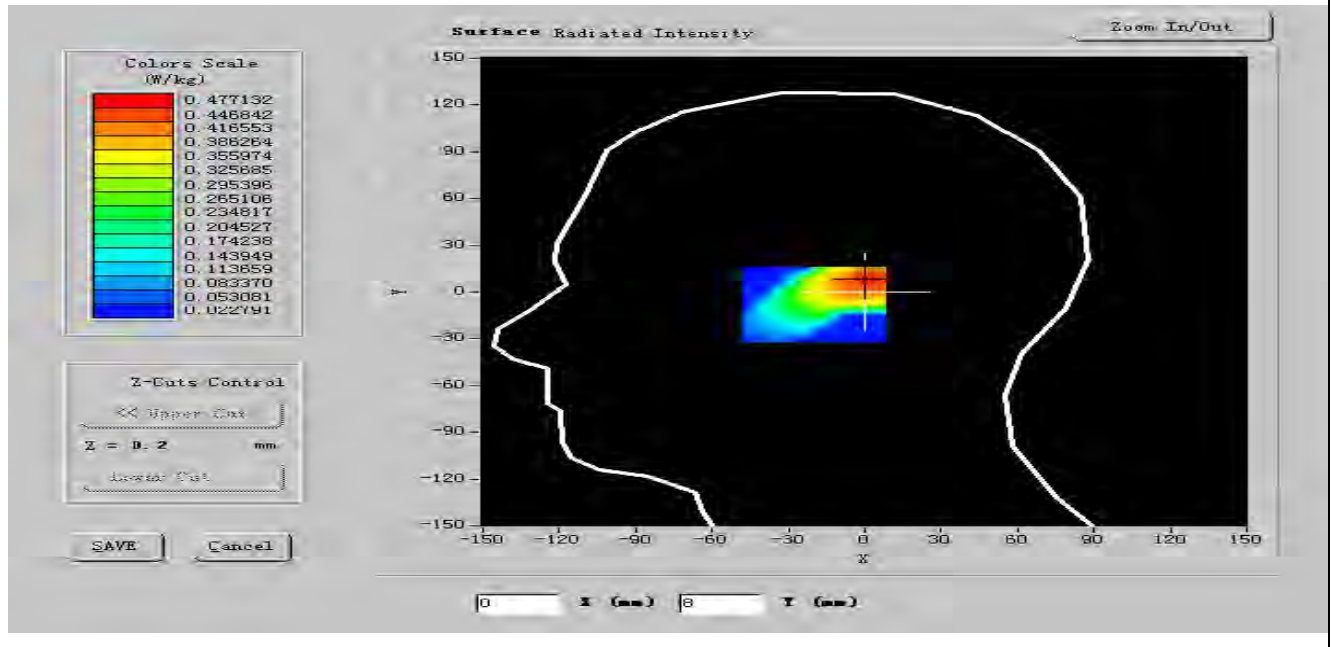
<b>Frequency (MHz)</b>	<b>2412.0000</b>
<b>Relative permittivity (real part)</b>	<b>40.405521</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.349850</b>
<b>Conductivity (S/m)</b>	<b>1.862061</b>
<b>Variation (%)</b>	<b>-1.200000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>
<b>ConvF:</b>	<b>51.18,53.87,70.48</b>



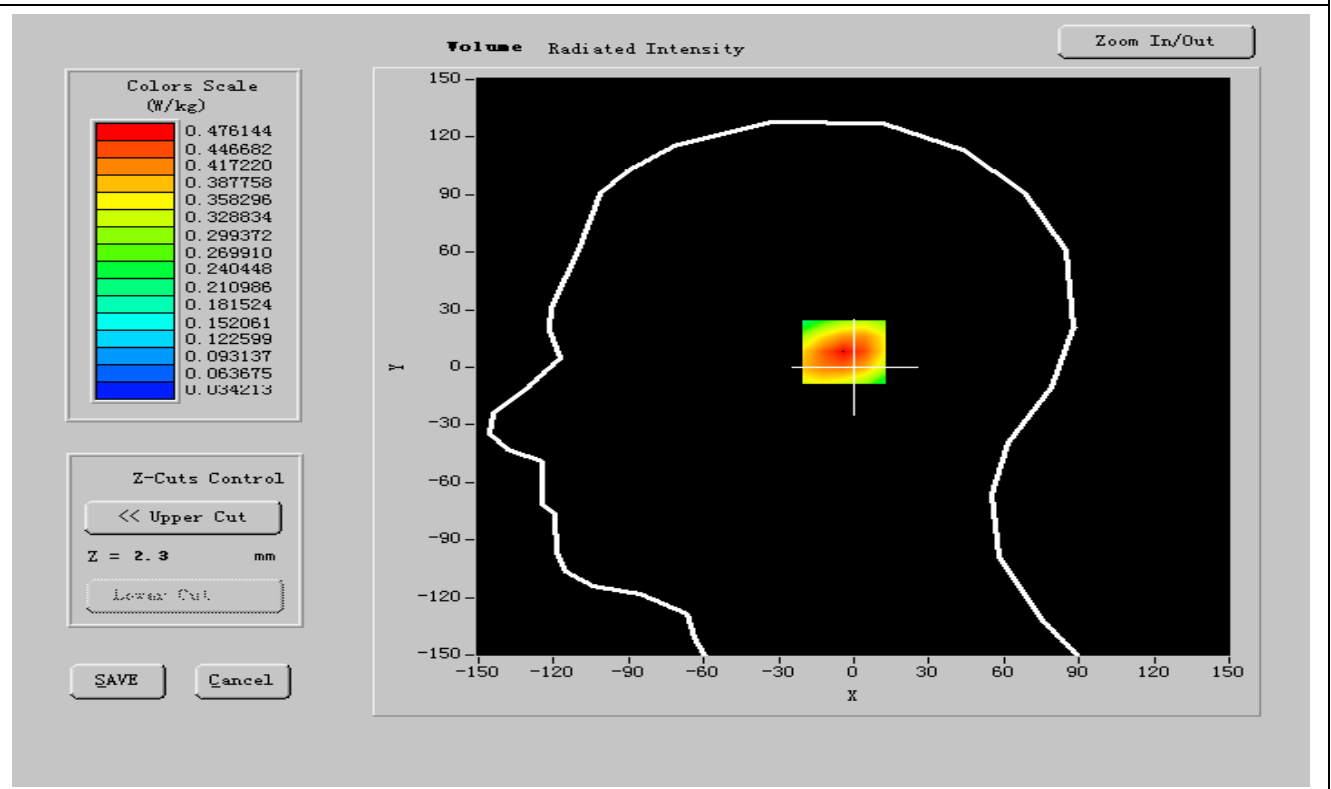
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



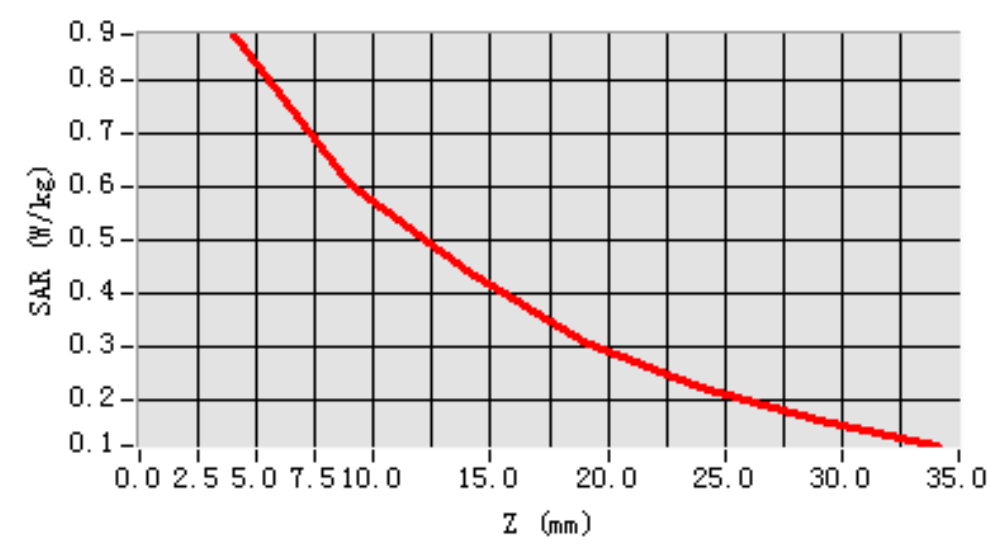


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.092240
SAR 1g (W/Kg)	0.182410

**Z Axis Scan**

**SAR, Z Axis Scan (X = -13, Y = -3)**





## MEASUREMENT 2

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	802.11b
<b>Channels</b>	Middle
<b>Signal</b>	wireless

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 2450</b>	<b>Antennessa (DIPJ37,SN 48/05)</b>	<b>Calibration Due: 10/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>2437.000000</b>
<b>Relative permittivity (real part)</b>	<b>40.411368</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.348910</b>
<b>Conductivity (S/m)</b>	<b>1.856671</b>
<b>Variation (%)</b>	<b>-0.300000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>





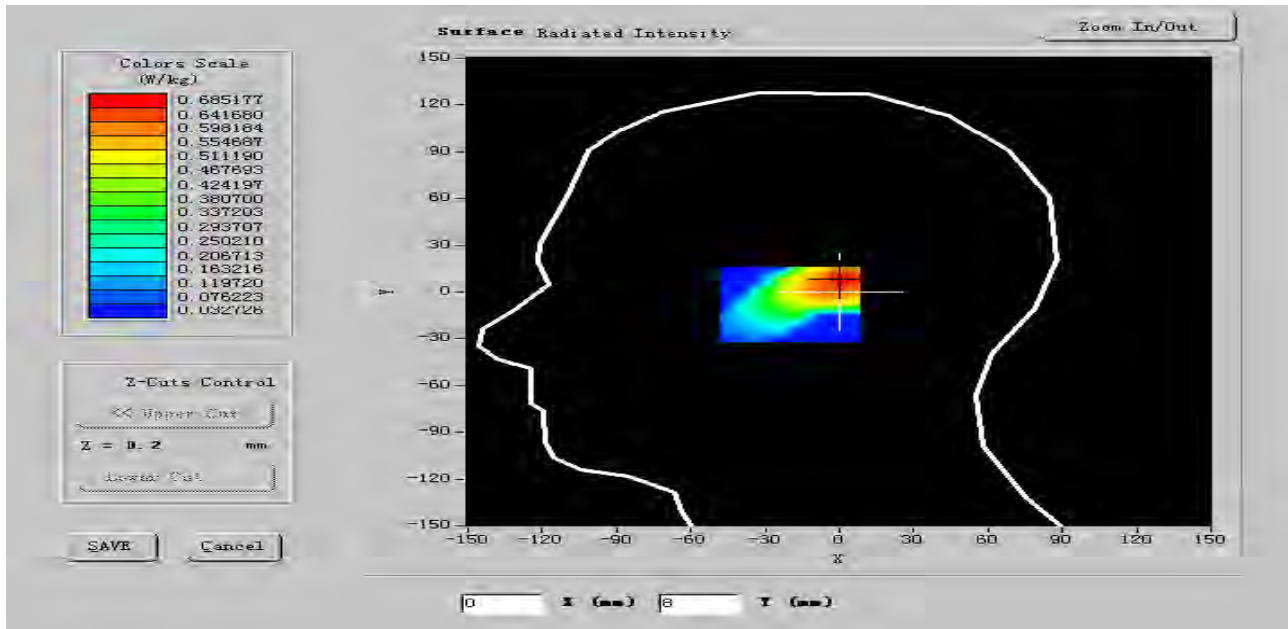
ConvF:

51.18,53.87,70.48

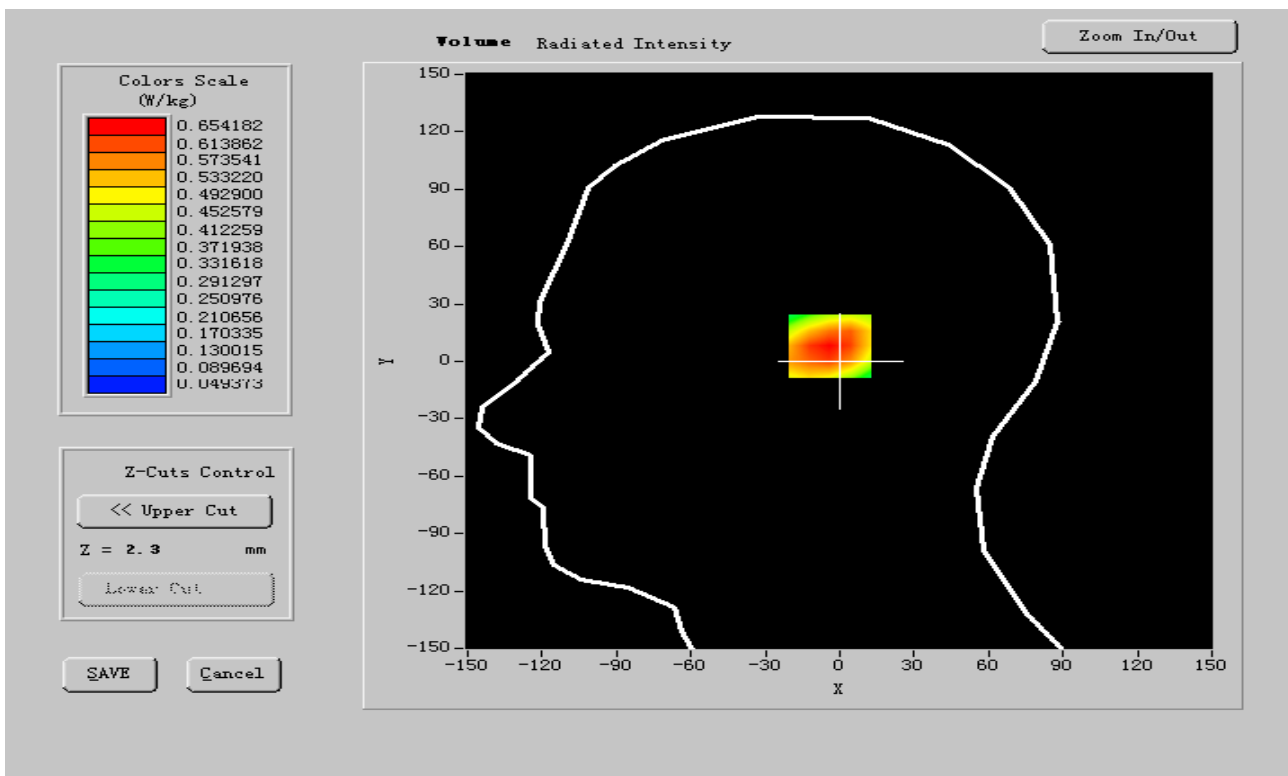
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



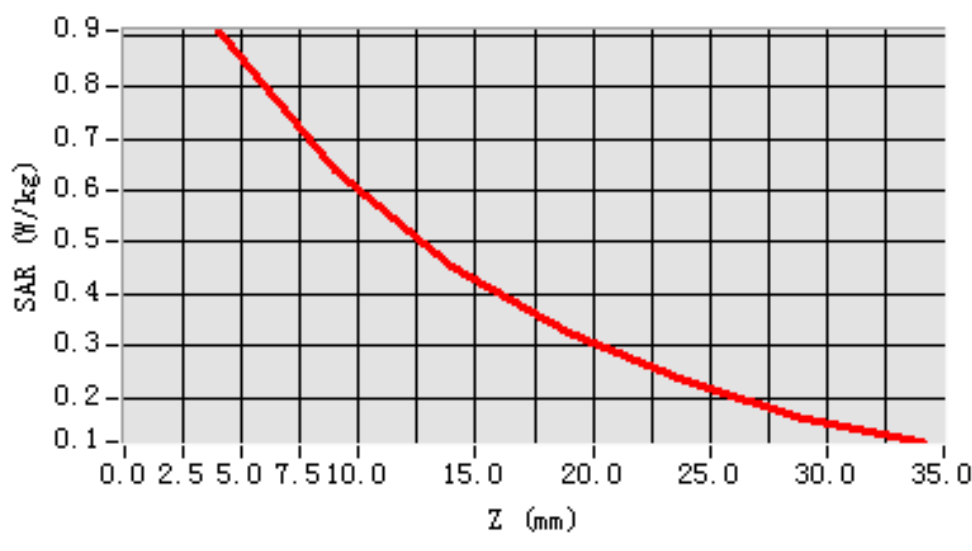


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.062140
SAR 1g (W/Kg)	0.102366

**Z Axis Scan**

**SAR, Z Axis Scan (X = -13, Y = -3)**





## MEASUREMENT 3

**Date of measurement: 02/20/2011**

**Area Scan: 7 x 7 x 1**

**dx=15mm**

**dy=15mm**

**Zoom Scan: 5 x 5 x 7**

**dx=5mm**

**dy=5mm**

**dz=5mm**

**Z Axis Scan: 1 x 1 x 21**

**dx=20mm**

**dy=20mm**

**dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	802.11b
<b>Channels</b>	High
<b>Signal</b>	wireless

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 2450</b>	<b>Antennessa (DIPJ37,SN 48/05)</b>	<b>Calibration Due: 10/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

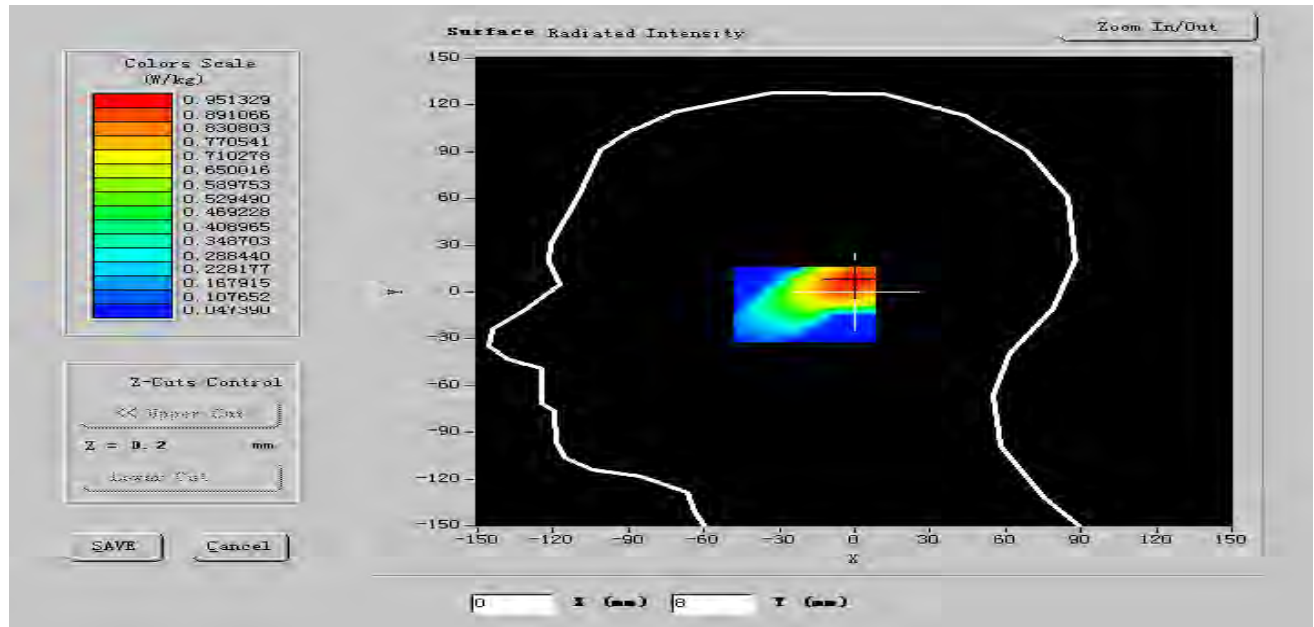
<b>Frequency (MHz)</b>	<b>2462.000000</b>
<b>Relative permittivity (real part)</b>	<b>40.413362</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.350612</b>
<b>Conductivity (S/m)</b>	<b>1.858677</b>
<b>Variation (%)</b>	<b>-0.300000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>
<b>ConvF:</b>	<b>51.18,53.87,70.48</b>



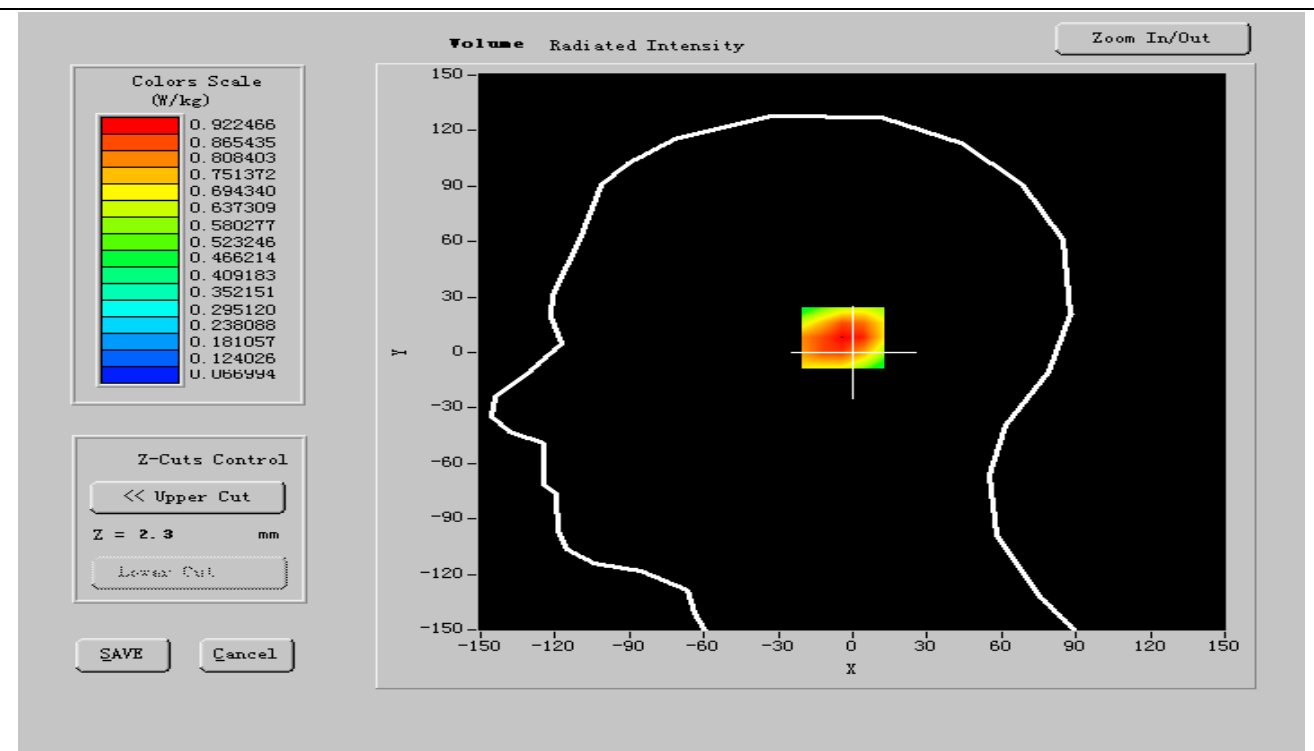
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



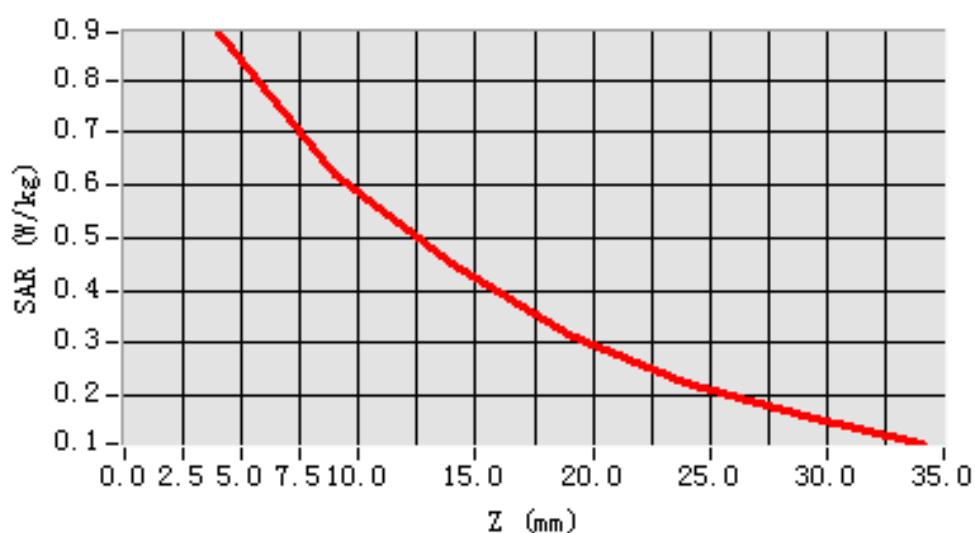


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.072355
SAR 1g (W/Kg)	0.112001

**Z Axis Scan**

**SAR, Z Axis Scan (X = -13, Y = -3)**





## MEASUREMENT 4

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Right head
<b>Device Position</b>	Tilt
<b>Band</b>	802.11b
<b>Channels</b>	Low
<b>Signal</b>	wireless

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 2450</b>	<b>Antennessa (DIPJ37,SN 48/05)</b>	<b>Calibration Due: 10/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>2412.000000</b>
<b>Relative permittivity (real part)</b>	<b>40.413006</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.299880</b>
<b>Conductivity (S/m)</b>	<b>1.86024</b>
<b>Variation (%)</b>	<b>-1.400000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



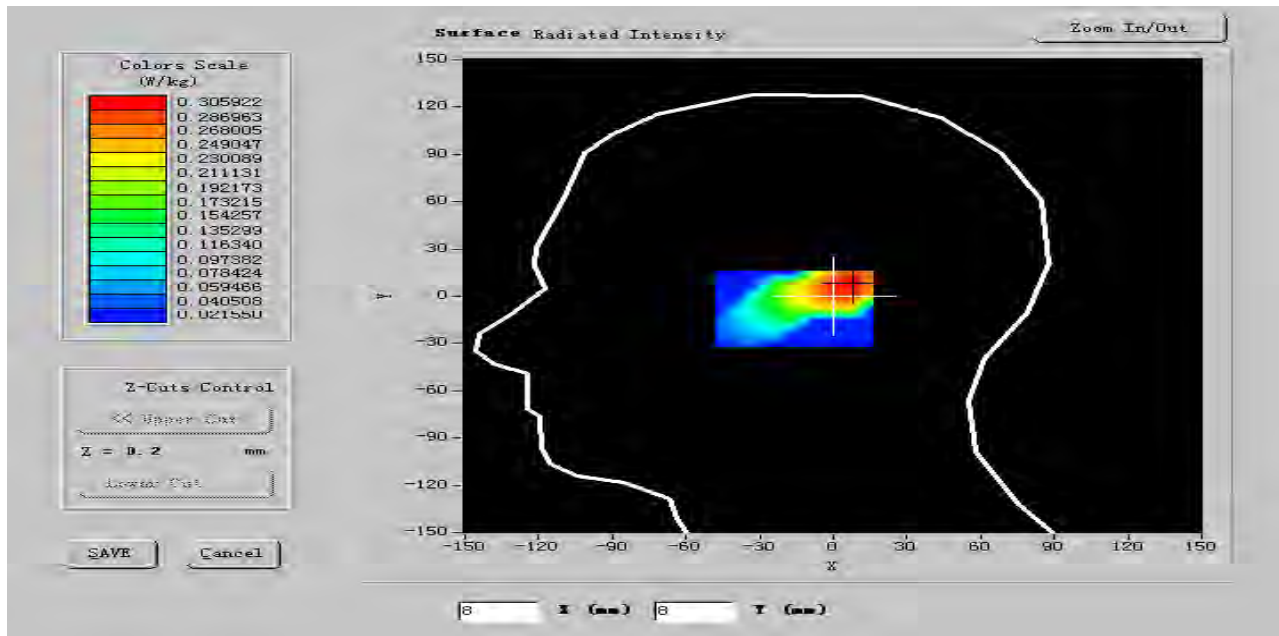
ConvF:

51.18,53.87,70.48

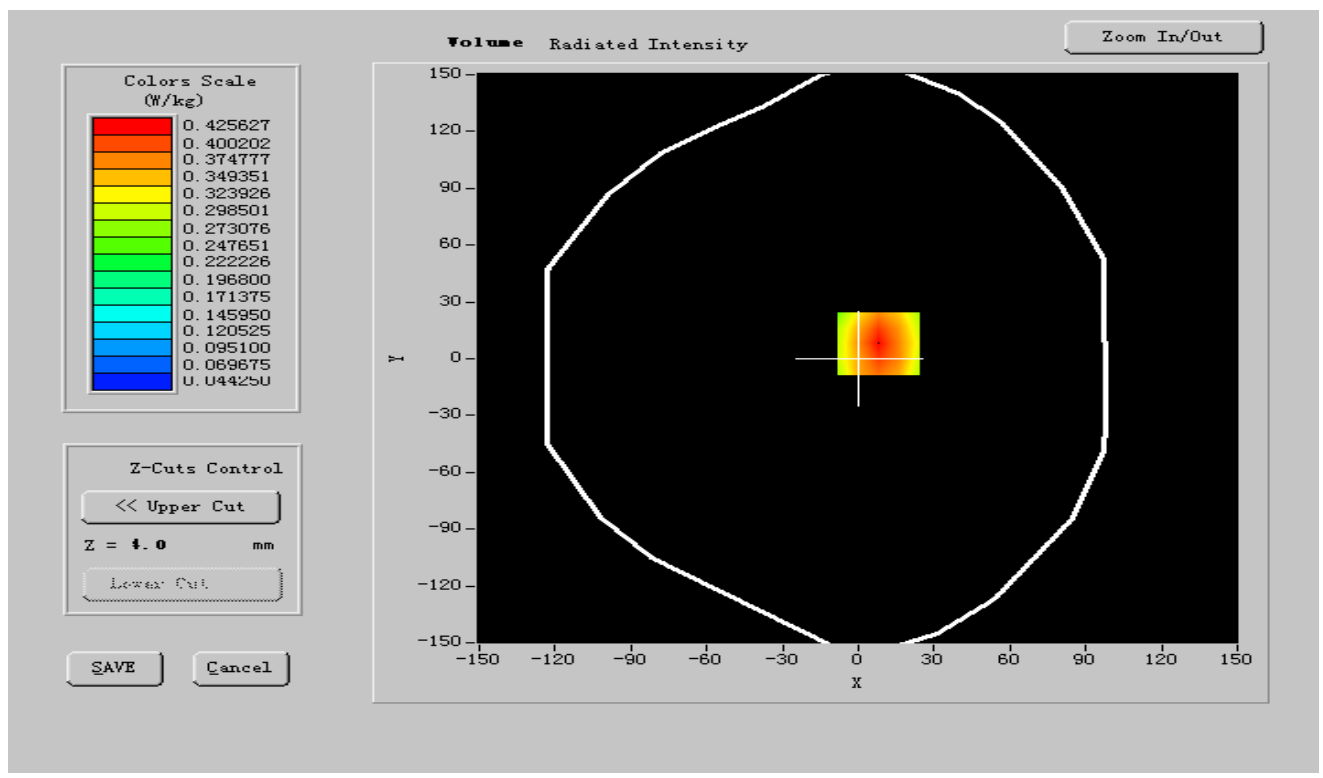
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



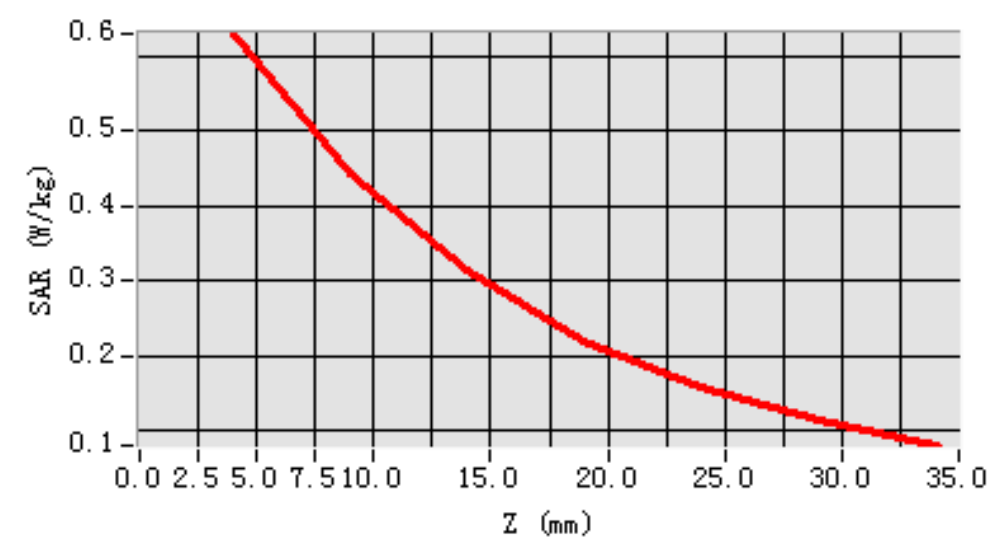


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.081333
SAR 1g (W/Kg)	0.121208

**Z Axis Scan**

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







## MEASUREMENT 5

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Right head
<b>Device Position</b>	Tilt
<b>Band</b>	802.11b
<b>Channels</b>	Middle
<b>Signal</b>	wireless

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 2450</b>	<b>Antennessa (DIPJ37,SN 48/05)</b>	<b>Calibration Due: 10/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>2437.000000</b>
<b>Relative permittivity (real part)</b>	<b>40.412031</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.346801</b>
<b>Conductivity (S/m)</b>	<b>1.860344</b>
<b>Variation (%)</b>	<b>-0.450000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



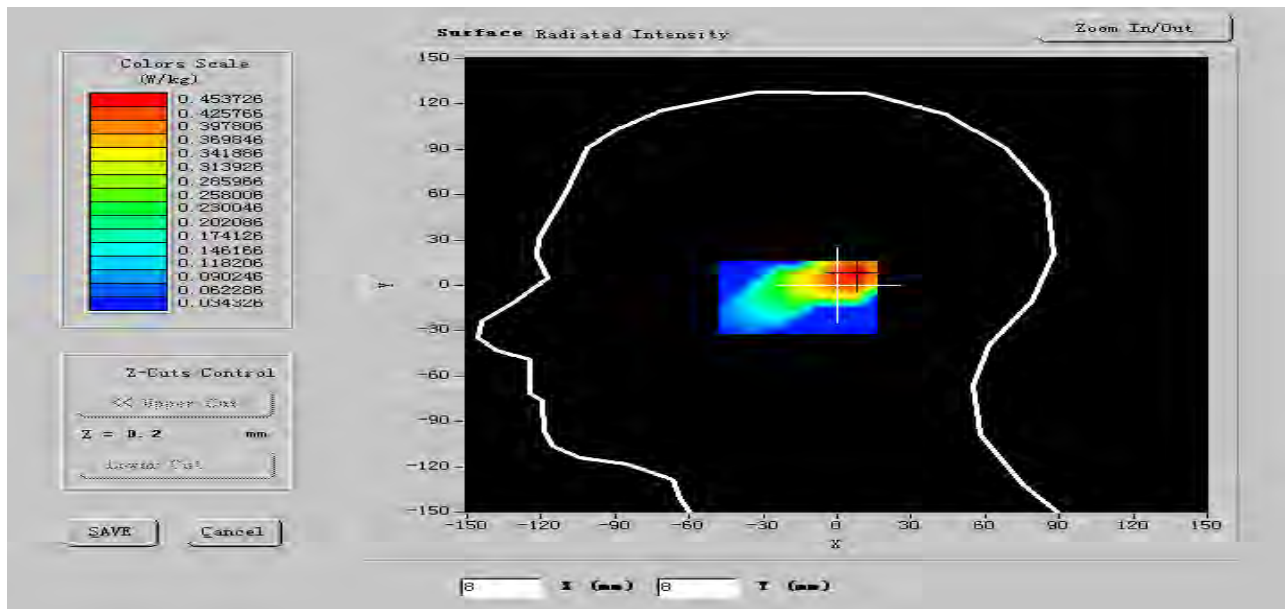
ConvF:

51.18,53.87,70.48

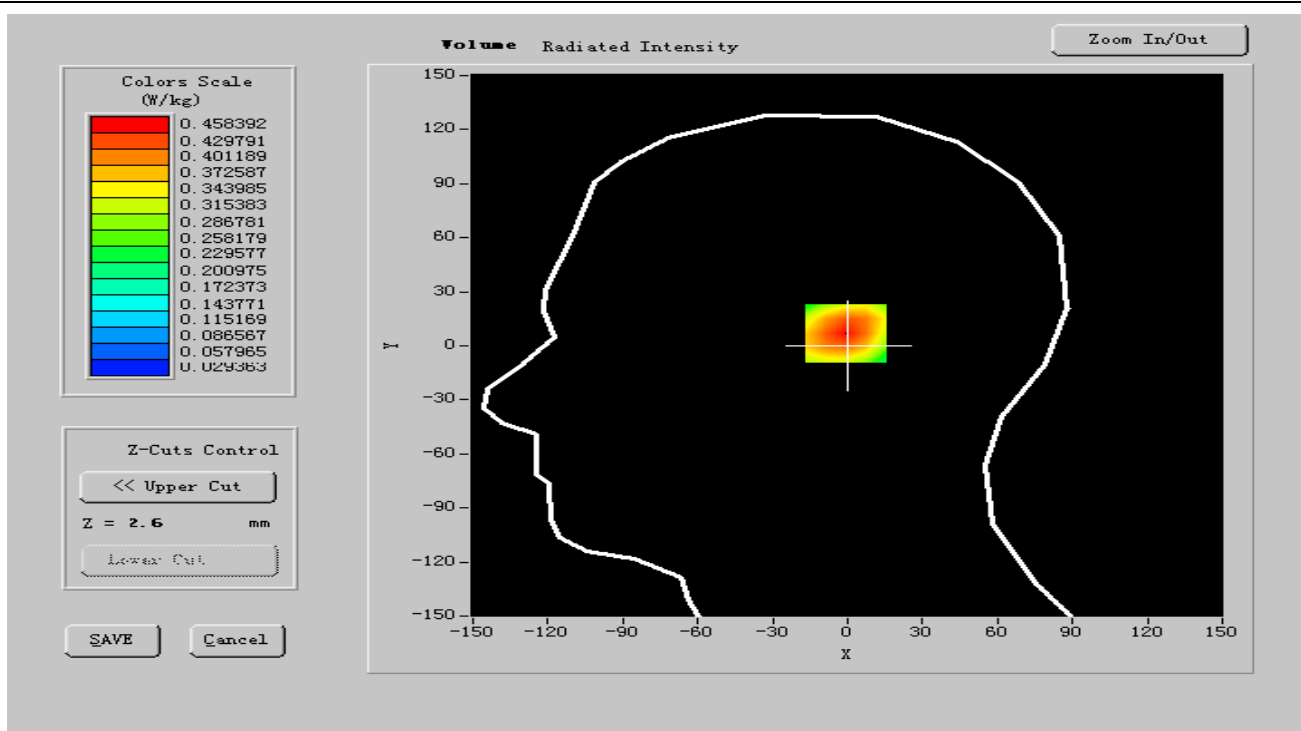
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



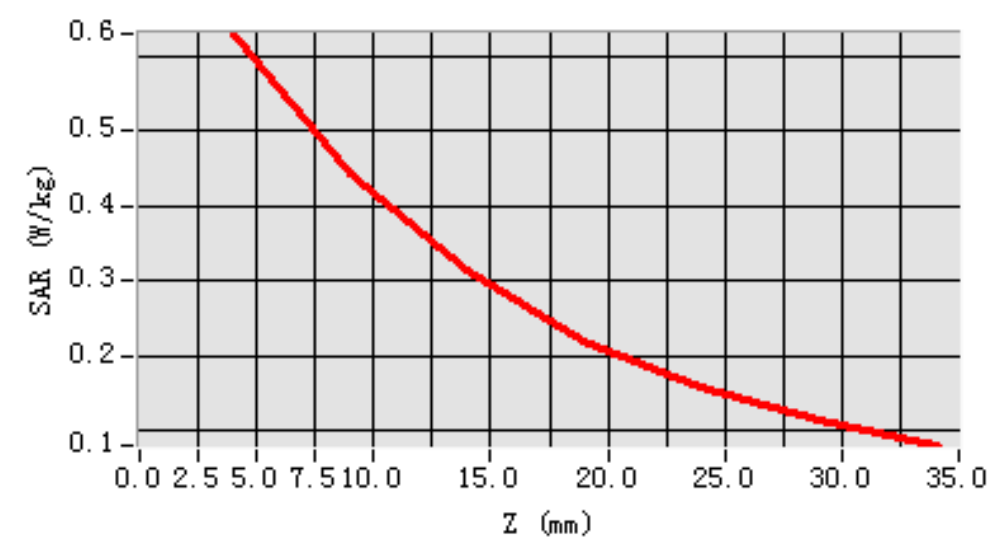


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.093211
SAR 1g (W/Kg)	0.102164

**Z Axis Scan**

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





## MEASUREMENT 6

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Right head
<b>Device Position</b>	Tilt
<b>Band</b>	802.11b
<b>Channels</b>	High
<b>Signal</b>	wireless

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 2450</b>	<b>Antennessa (DIPJ37,SN 48/05)</b>	<b>Calibration Due: 10/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>2462.000000</b>
<b>Relative permittivity (real part)</b>	<b>40.413000</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.353144</b>
<b>Conductivity (S/m)</b>	<b>1.860050</b>
<b>Variation (%)</b>	<b>-1.500000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



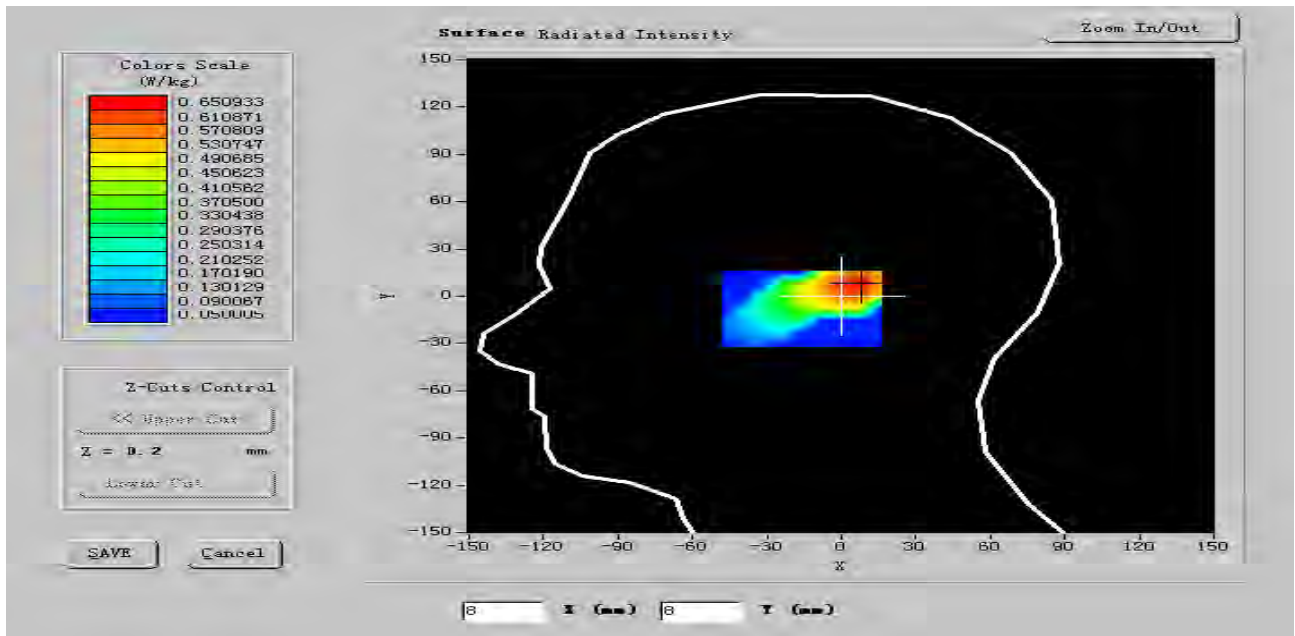
ConvF:

51.18,53.87,70.48

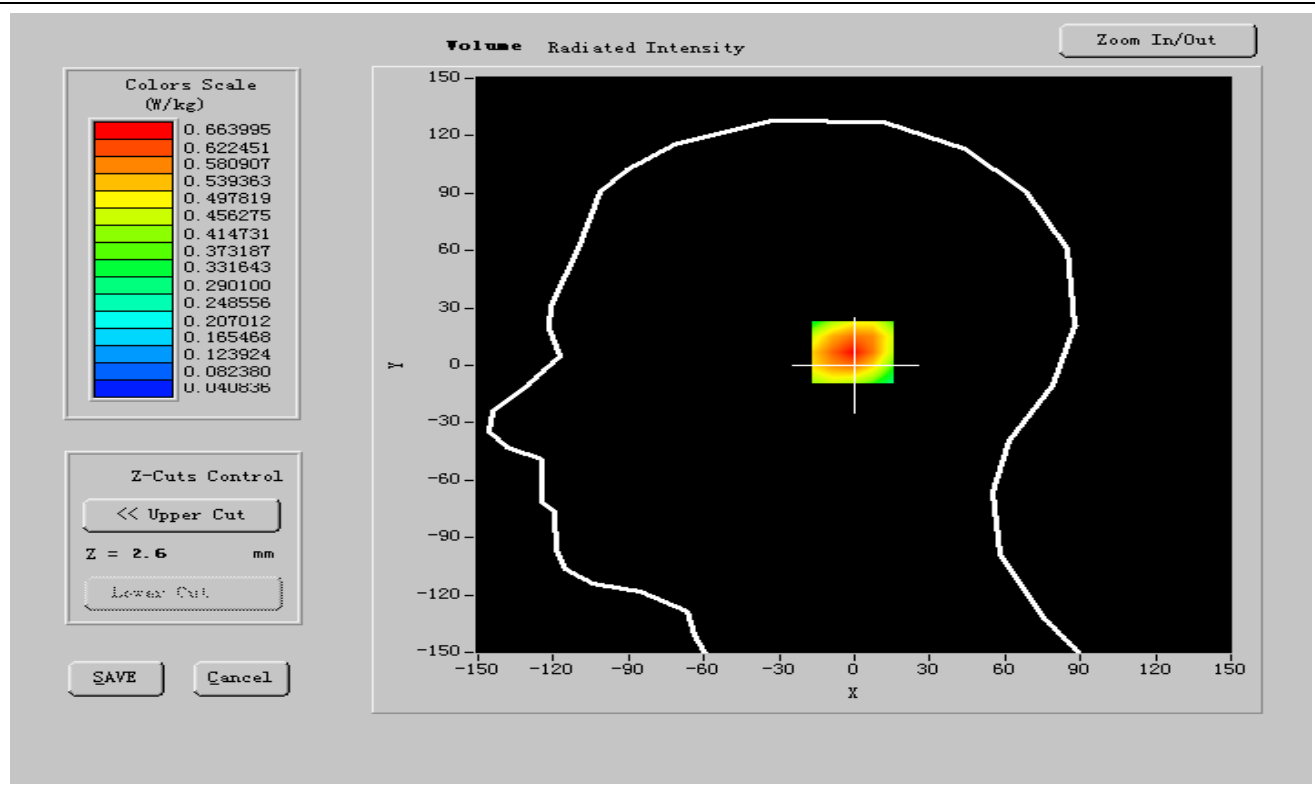
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



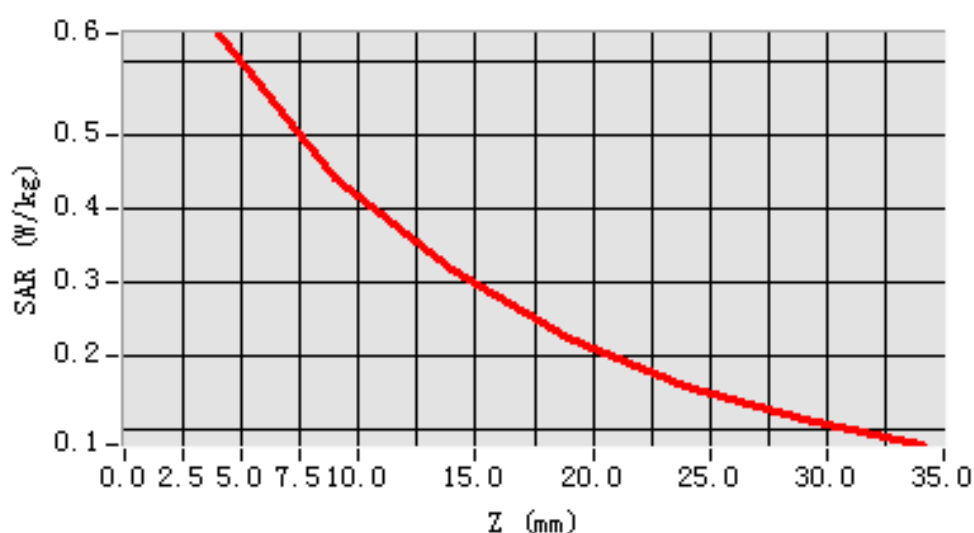


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.063212
SAR 1g (W/Kg)	0.132100

**Z Axis Scan**

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





## MEASUREMENT 7

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	802.11b
<b>Channels</b>	Low
<b>Signal</b>	wireless

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 2450</b>	<b>Antennessa (DIPJ37,SN 48/05)</b>	<b>Calibration Due: 10/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>2412.000000</b>
<b>Relative permittivity (real part)</b>	<b>40.411885</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.360125</b>
<b>Conductivity (S/m)</b>	<b>1.870004</b>
<b>Variation (%)</b>	<b>0.300000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



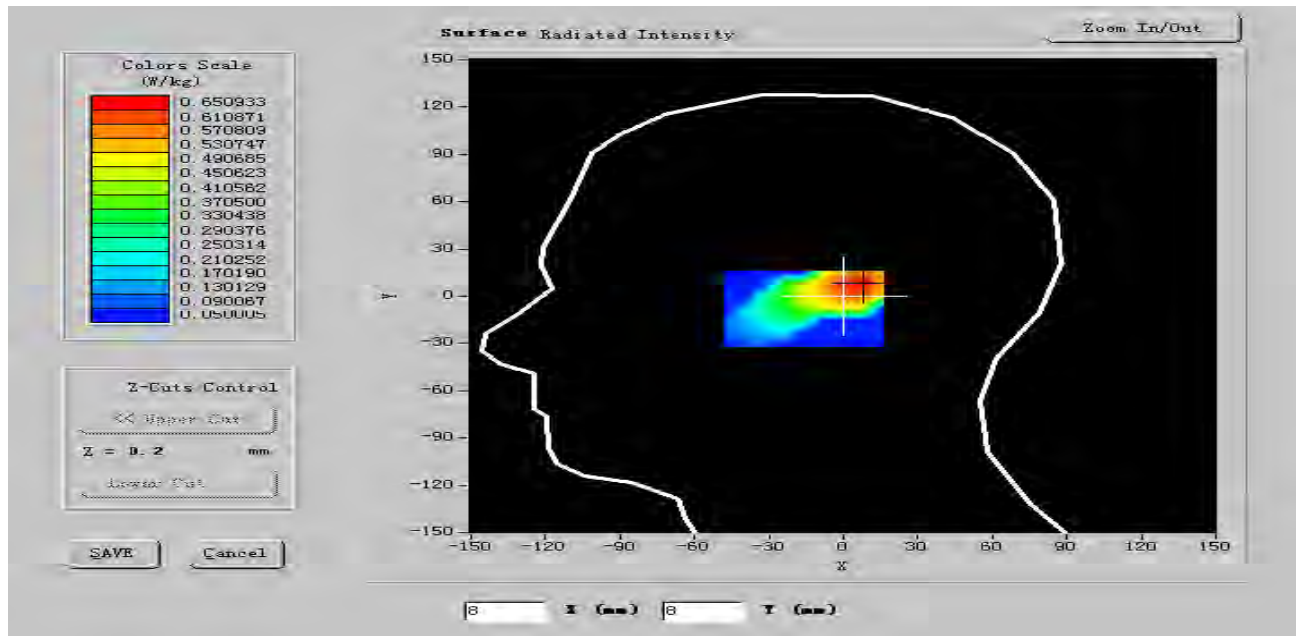
ConvF:

51.18,53.87,70.48

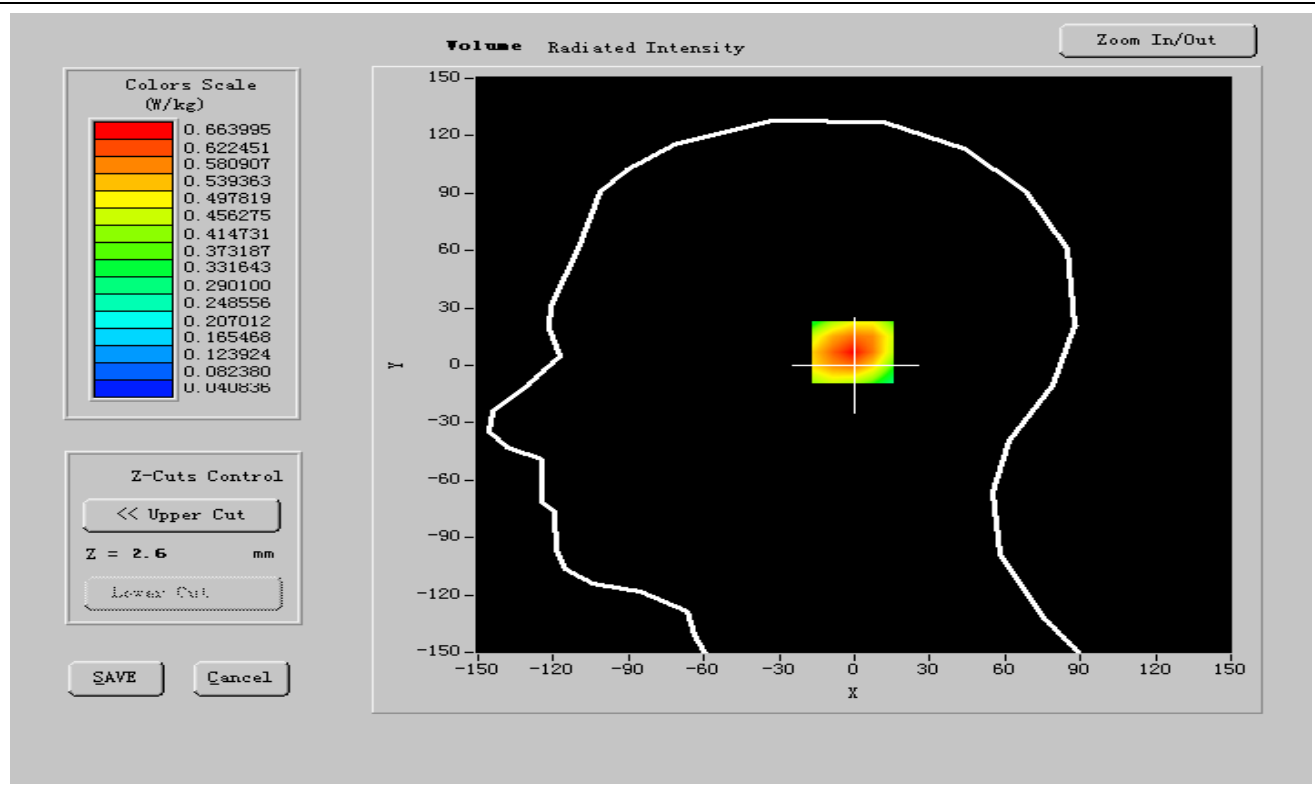
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR





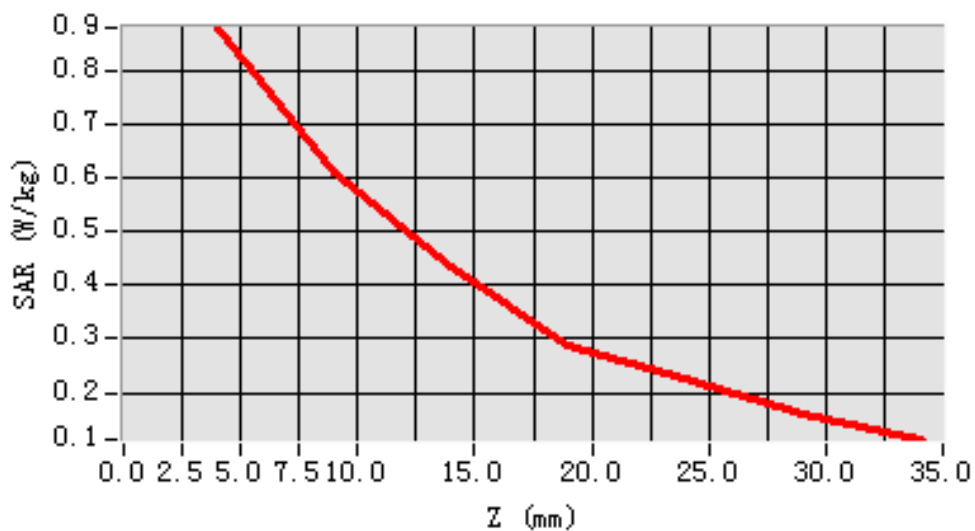


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.082414
SAR 1g (W/Kg)	0.142100

**Z Axis Scan**

**SAR, Z Axis Scan (X = -25, Y = -11)**





## MEASUREMENT 8

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	802.11b
<b>Channels</b>	Middle
<b>Signal</b>	wireless

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 2450</b>	<b>Antennessa (DIPJ37,SN 48/05)</b>	<b>Calibration Due: 10/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>2437.000000</b>
<b>Relative permittivity (real part)</b>	<b>40.423570</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.361181</b>
<b>Conductivity (S/m)</b>	<b>1.853301</b>
<b>Variation (%)</b>	<b>1.400000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



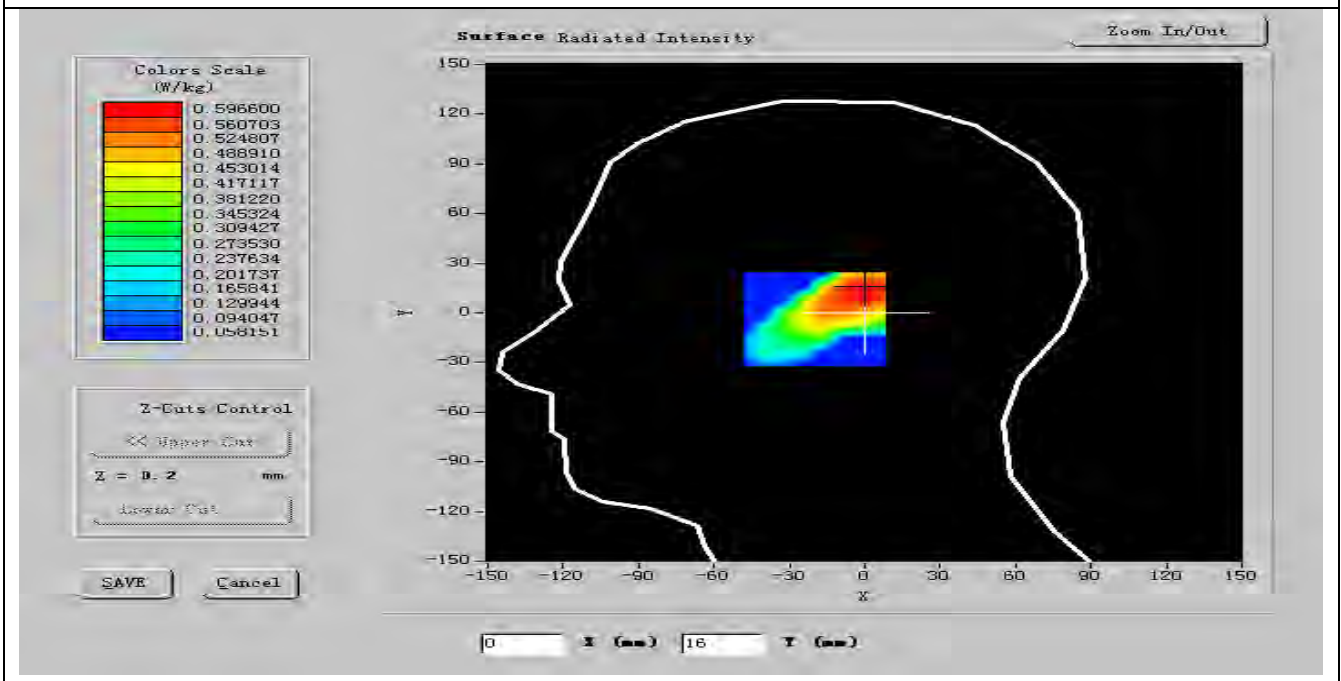
ConvF:

51.18,53.87,70.48

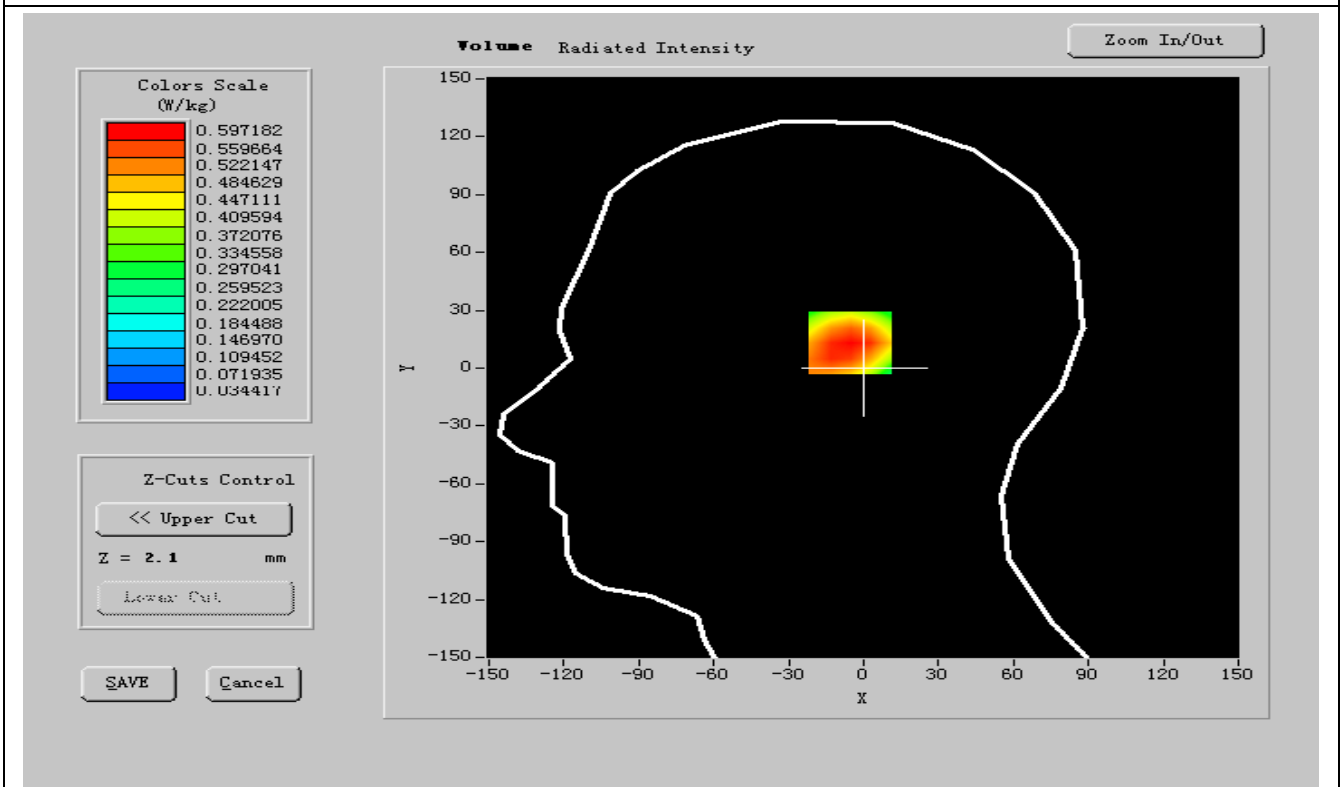
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



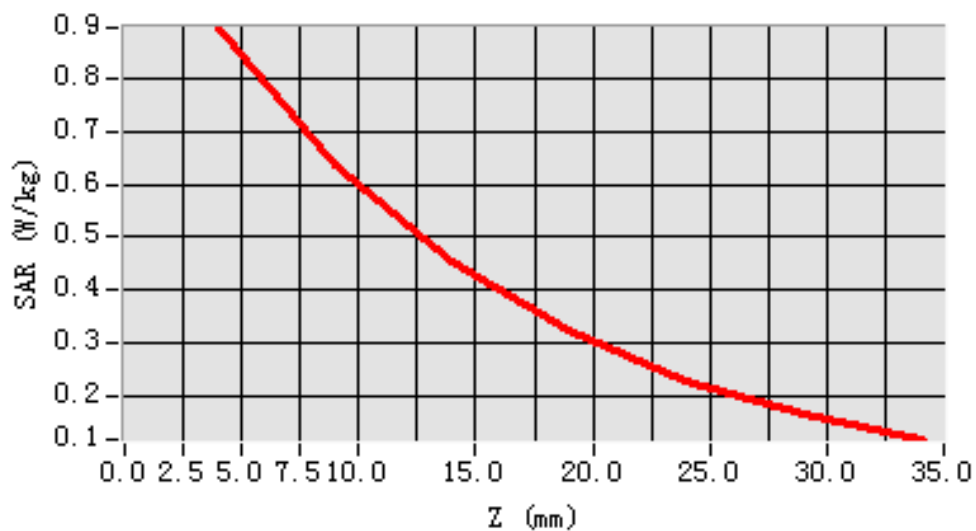


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.110214
SAR 1g (W/Kg)	0.192024

**Z Axis Scan**

**SAR, Z Axis Scan (X = -25, Y = -11)**





## MEASUREMENT 9

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	802.11b
<b>Channels</b>	High
<b>Signal</b>	wireless

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 2450</b>	<b>Antennessa (DIPJ37,SN 48/05)</b>	<b>Calibration Due: 10/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>2462.000000</b>
<b>Relative permittivity (real part)</b>	<b>40.216348</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.369120</b>
<b>Conductivity (S/m)</b>	<b>1.856720</b>
<b>Variation (%)</b>	<b>0.500000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



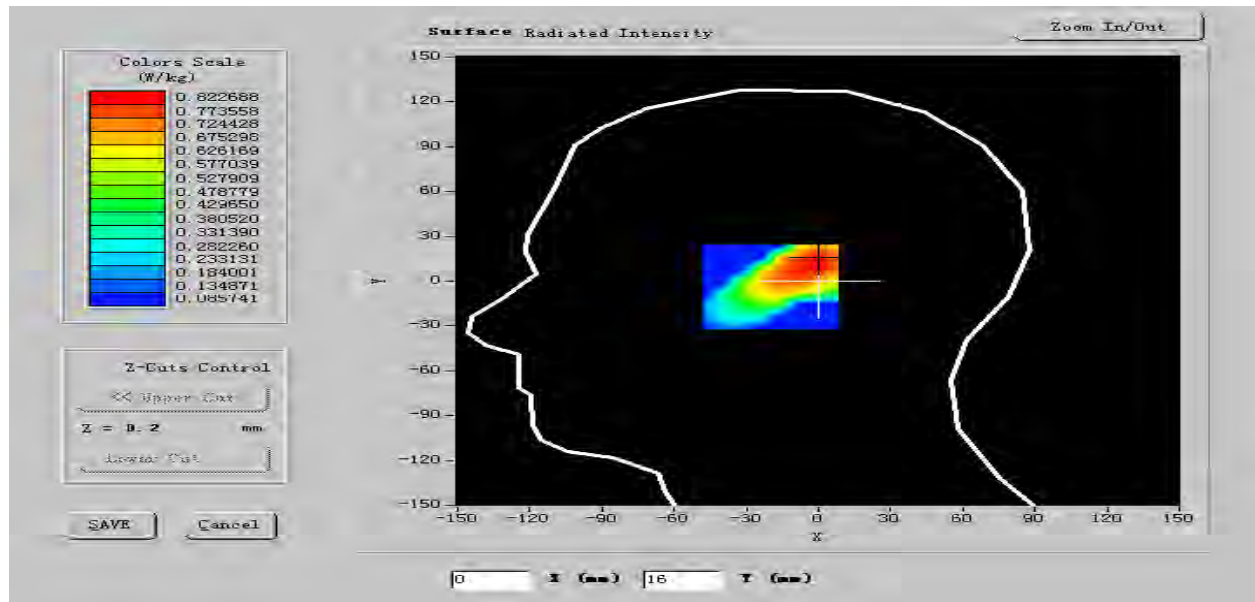
ConvF:

51.18,53.87,70.48

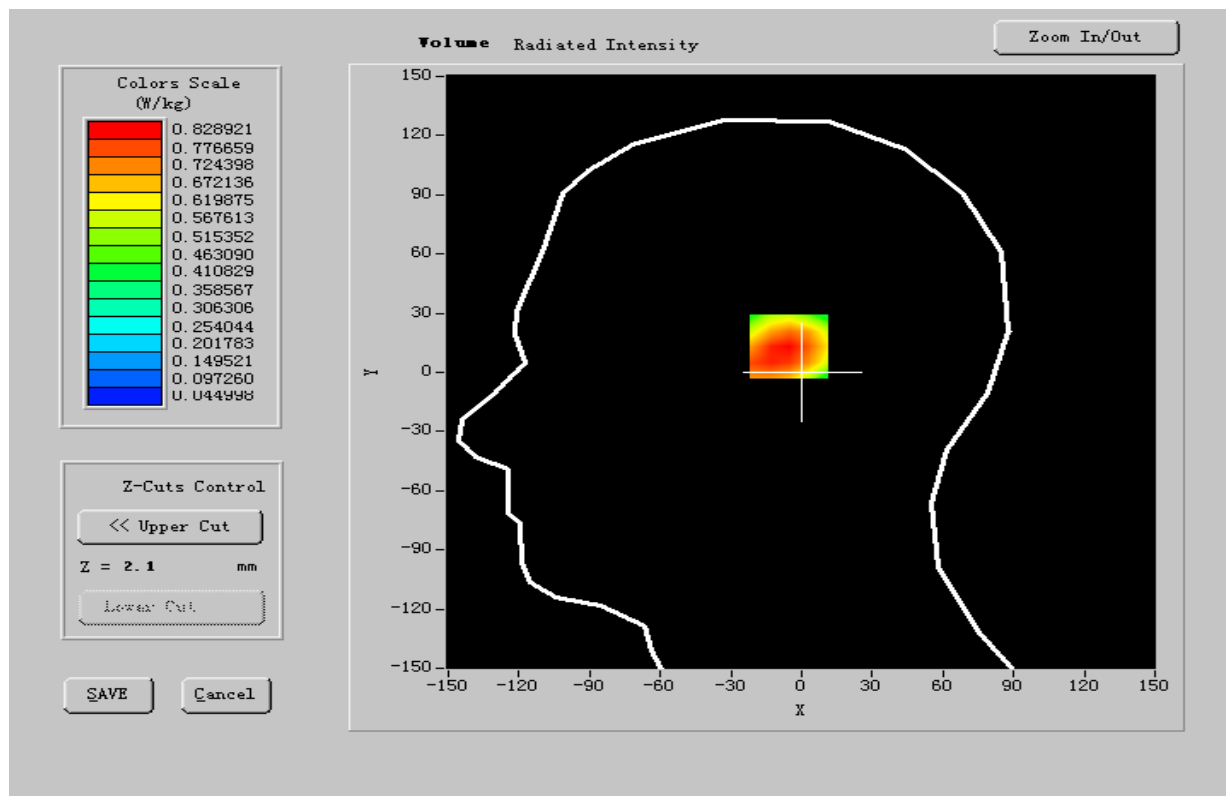
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



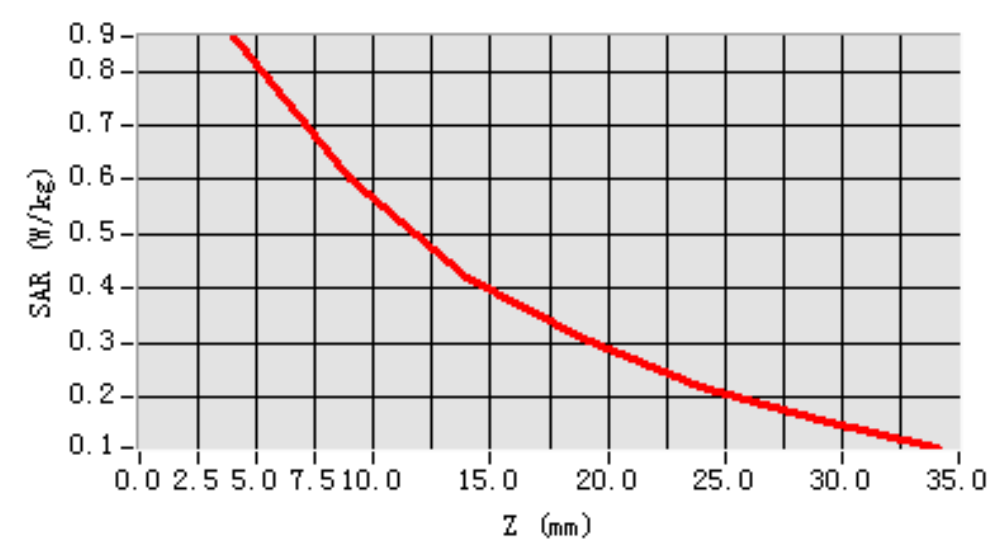


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.132100
SAR 1g (W/Kg)	0.162140

**Z Axis Scan**

**SAR, Z Axis Scan (X = -25, Y = -11)**





## MEASUREMENT 10

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	802.11b
<b>Channels</b>	Low
<b>Signal</b>	wireless

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 2450</b>	<b>Antennessa (DIPJ37,SN 48/05)</b>	<b>Calibration Due: 10/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

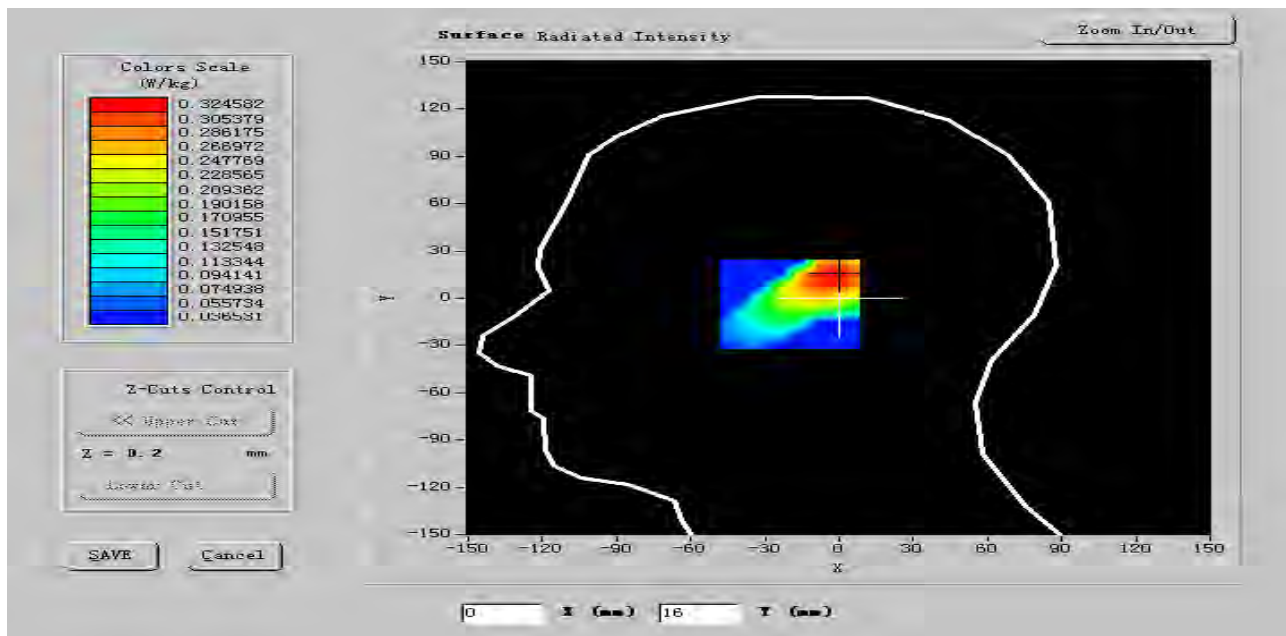
<b>Frequency (MHz)</b>	<b>2412.000000</b>
<b>Relative permittivity (real part)</b>	<b>40.411584</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.360591</b>
<b>Conductivity (S/m)</b>	<b>1.858466</b>
<b>Variation (%)</b>	<b>-0.600000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



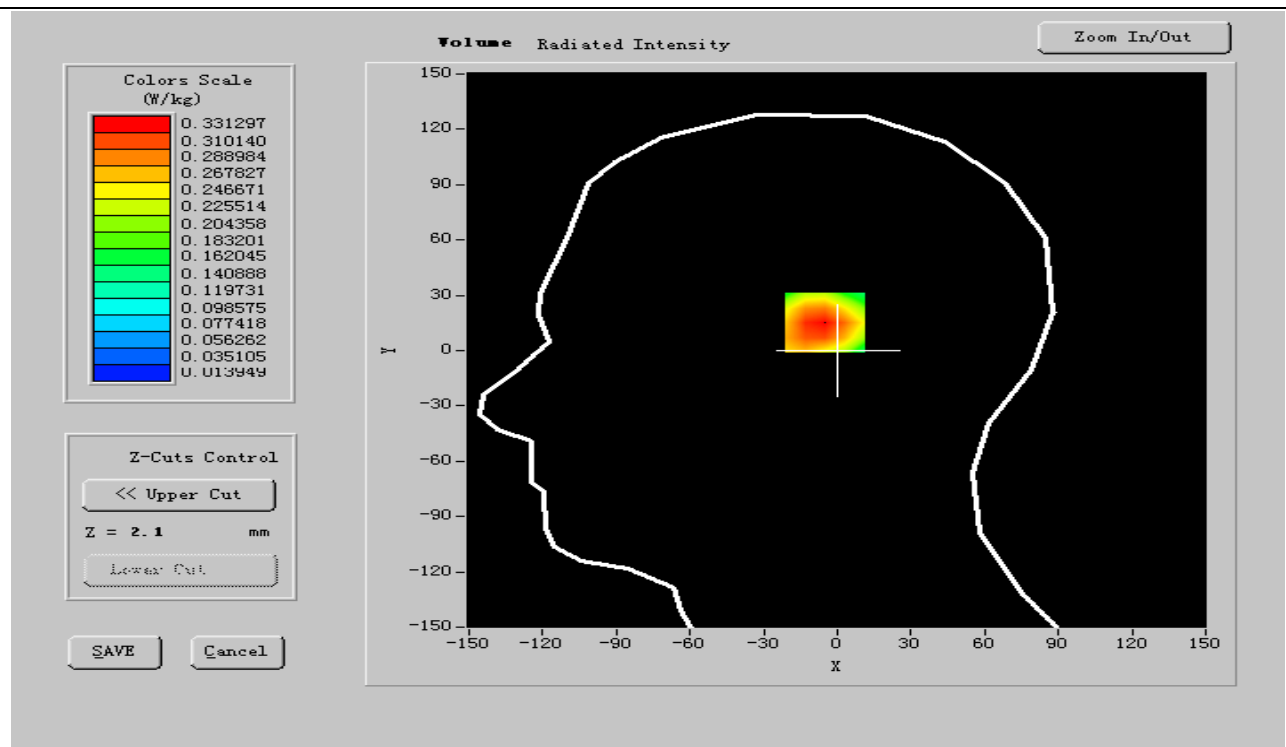


ConvF:	51.18,53.87,70.48
Crest factor:	1:1

## SURFACE SAR



## VOLUME SAR



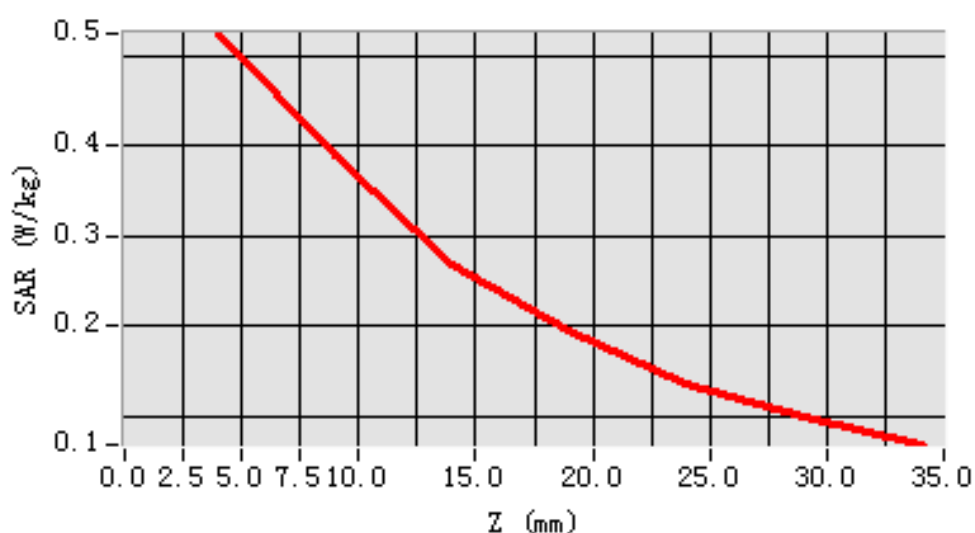


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.133213
SAR 1g (W/Kg)	0.203156

**Z Axis Scan**

**SAR, Z Axis Scan (X = -22, Y = -6)**





## MEASUREMENT 11

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	802.11b
<b>Channels</b>	Middle
<b>Signal</b>	wireless

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 2450</b>	<b>Antennessa (DIPJ37,SN 48/05)</b>	<b>Calibration Due: 10/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>2437.000000</b>
<b>Relative permittivity (real part)</b>	<b>40.410335</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.299614</b>
<b>Conductivity (S/m)</b>	<b>1.856470</b>
<b>Variation (%)</b>	<b>-1.200000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



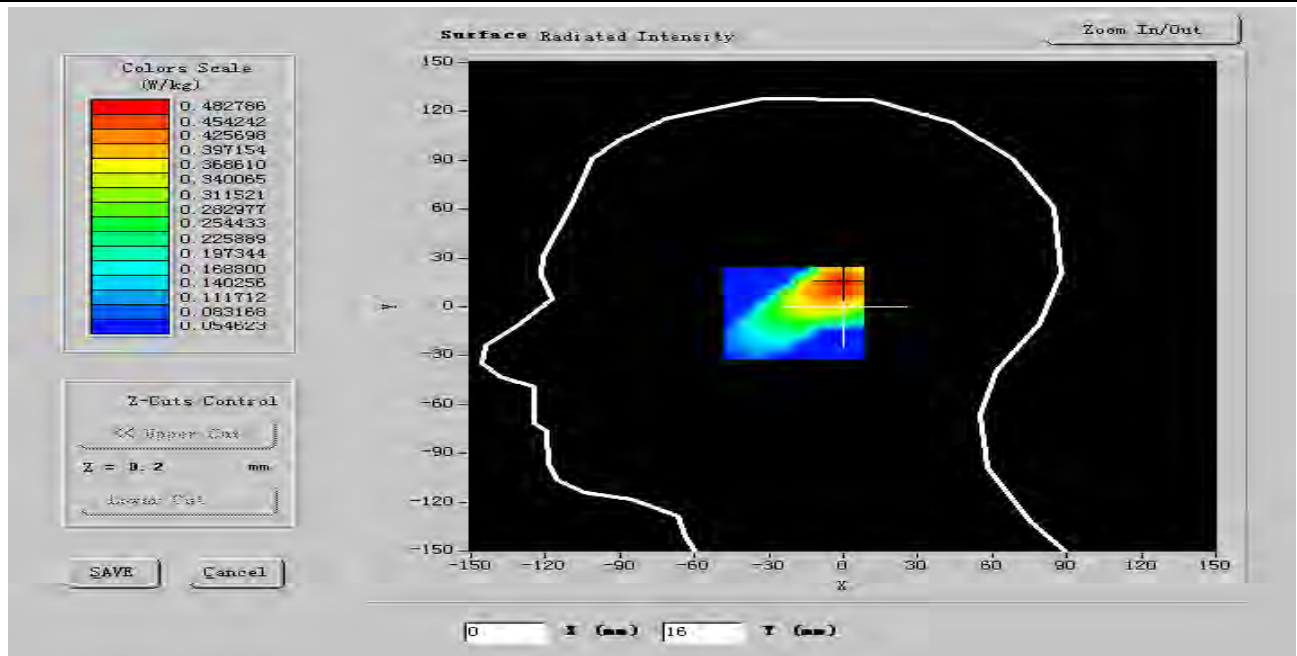
ConvF:

51.18,53.87,70.48

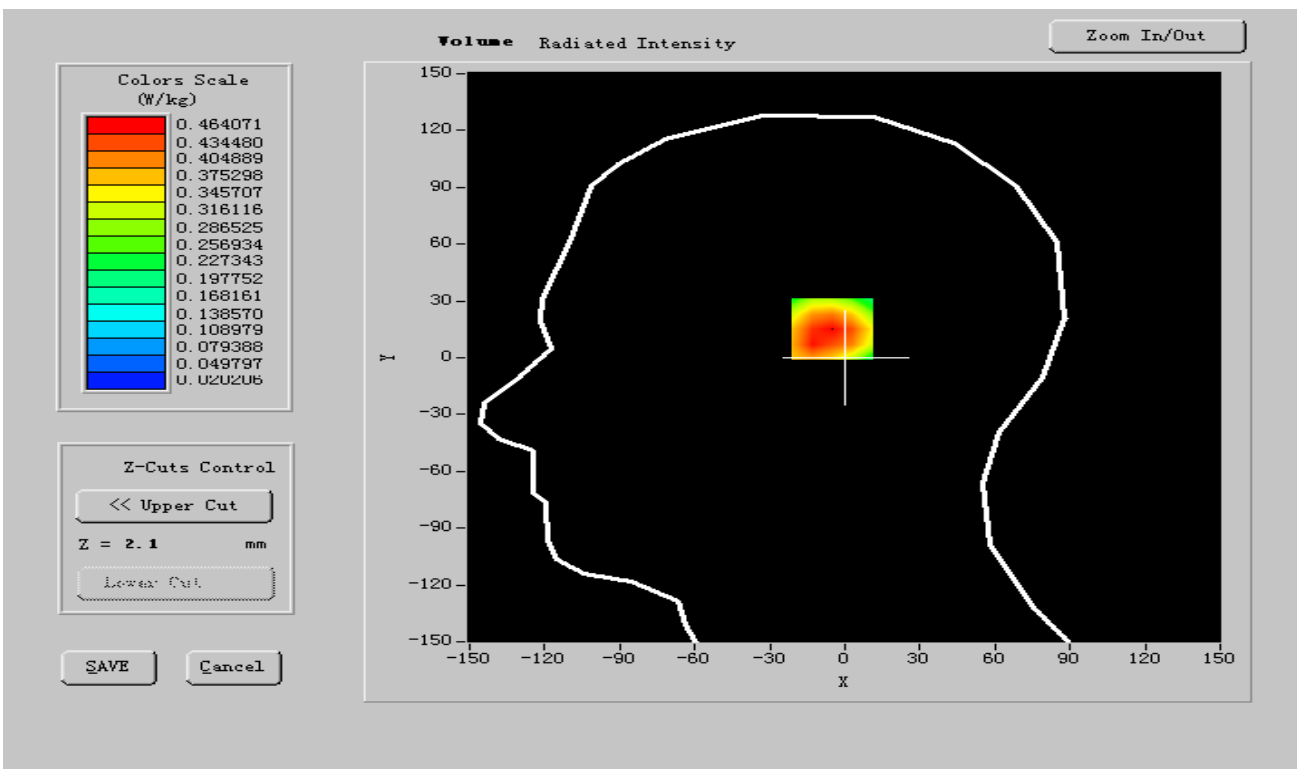
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



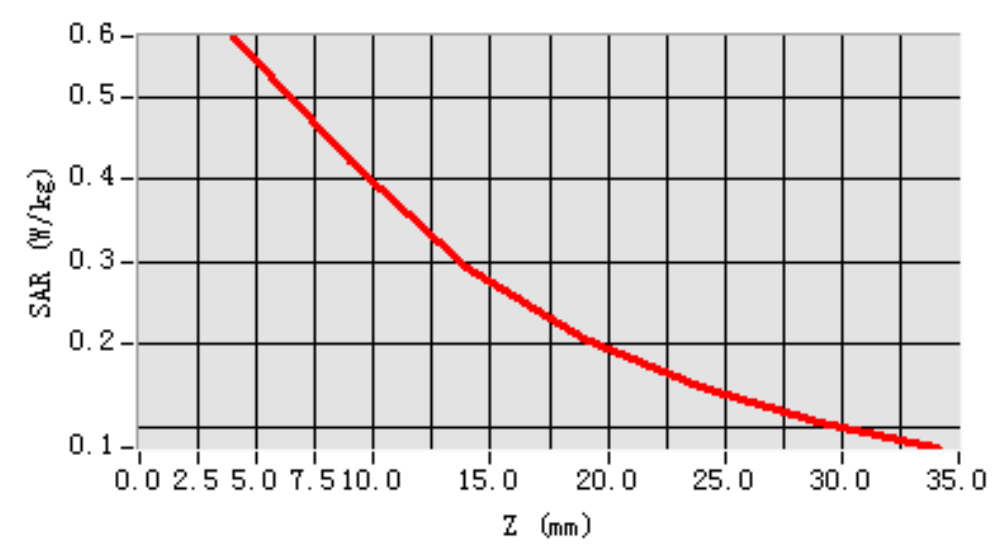


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.120147
SAR 1g (W/Kg)	0.223043

**Z Axis Scan**

**SAR, Z Axis Scan (X = -22, Y = -6)**





## MEASUREMENT 12

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	802.11b
<b>Channels</b>	High
<b>Signal</b>	wireless

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 2450</b>	<b>Antennessa (DIPJ37,SN 48/05)</b>	<b>Calibration Due: 10/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>2462.000000</b>
<b>Relative permittivity (real part)</b>	<b>40.425301</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.368611</b>
<b>Conductivity (S/m)</b>	<b>1.854470</b>
<b>Variation (%)</b>	<b>-1.140000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



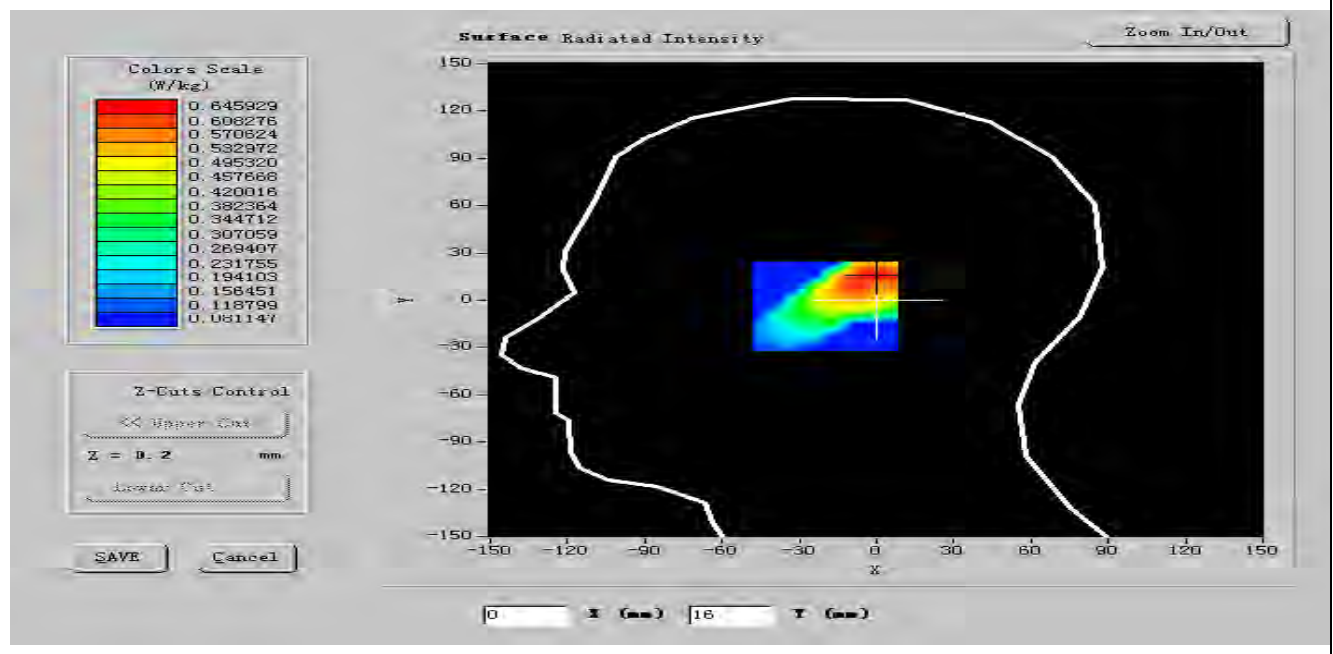
ConvF:

51.18,53.87,70.48

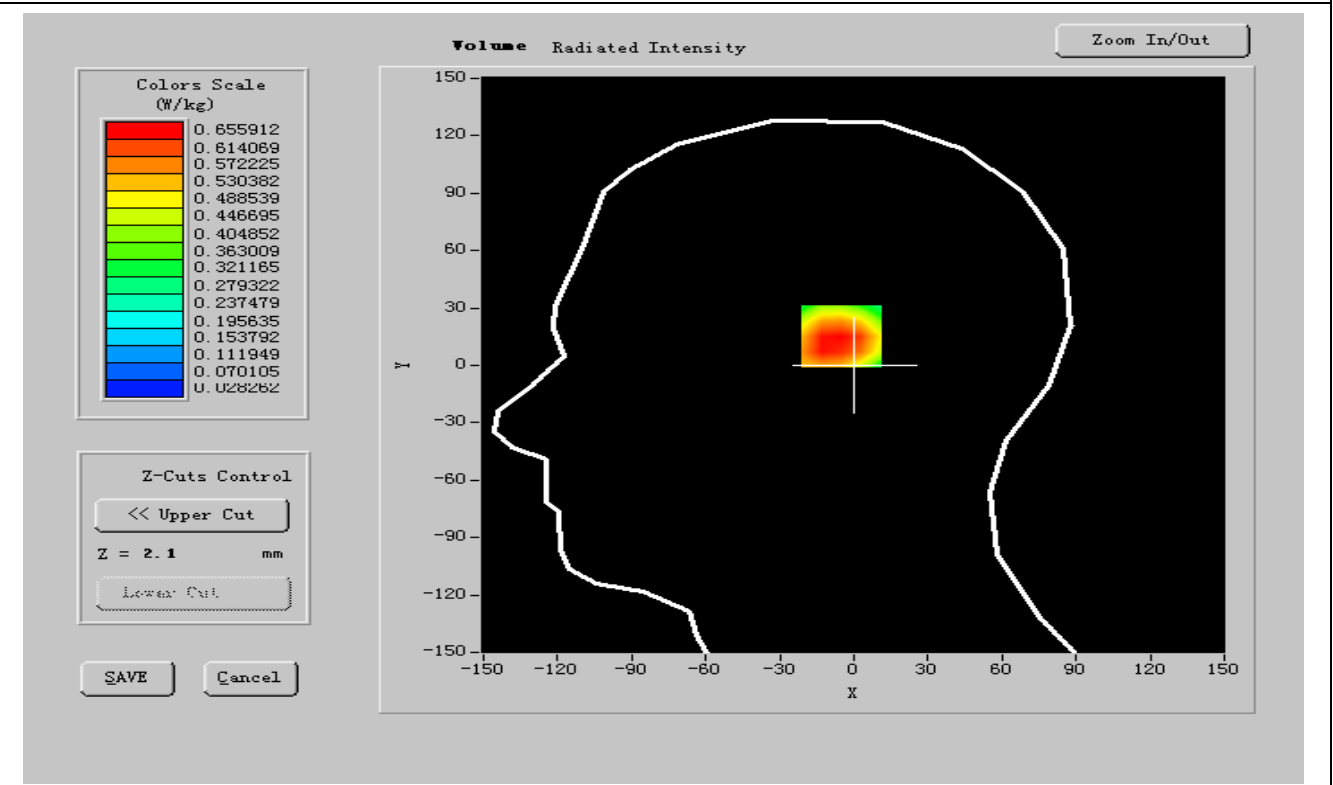
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



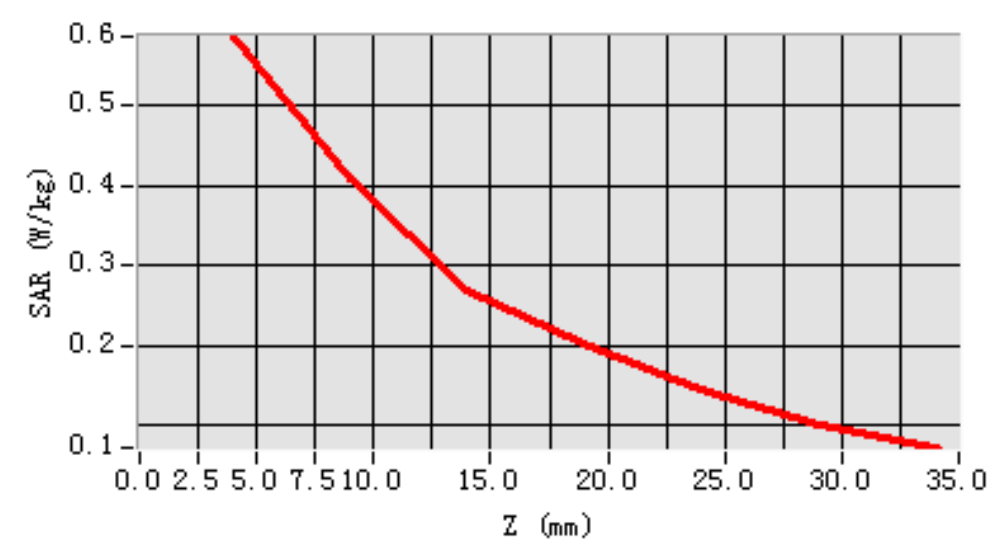


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.142112
SAR 1g (W/Kg)	0.242302

**Z Axis Scan**

**SAR, Z Axis Scan (X = -22, Y = -6)**







## MEASUREMENT 13

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	FrontSide toward phantom
<b>Band</b>	802.11b
<b>Channels</b>	Low
<b>Signal</b>	wireless

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 2450</b>	<b>Antennessa (DIPJ37,SN 48/05)</b>	<b>Calibration Due: 10/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>2412.000000</b>
<b>Relative permittivity (real part)</b>	<b>51.520064</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.370061</b>
<b>Conductivity (S/m)</b>	<b>1.965014</b>
<b>Variation (%)</b>	<b>-0.130000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



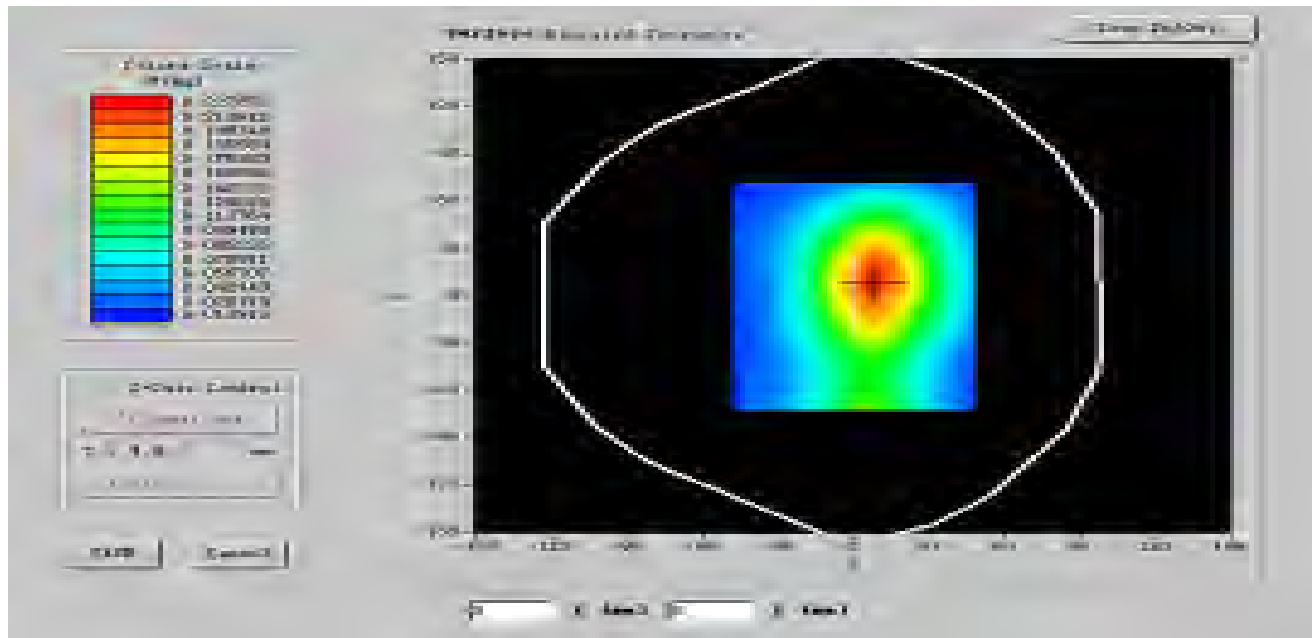
ConvF:

50.35,52.98,69.78

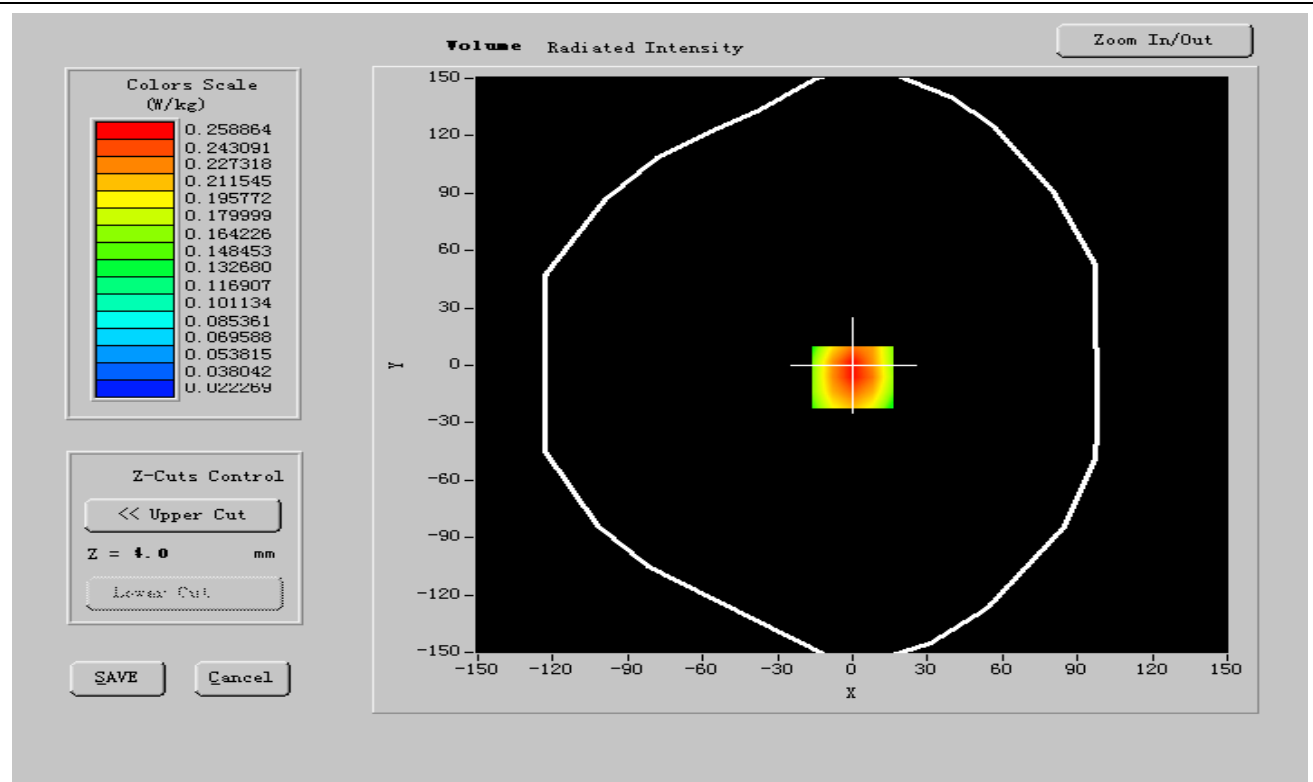
Crest factor:

1:1

### SURFACE SAR



### VOLUME SAR



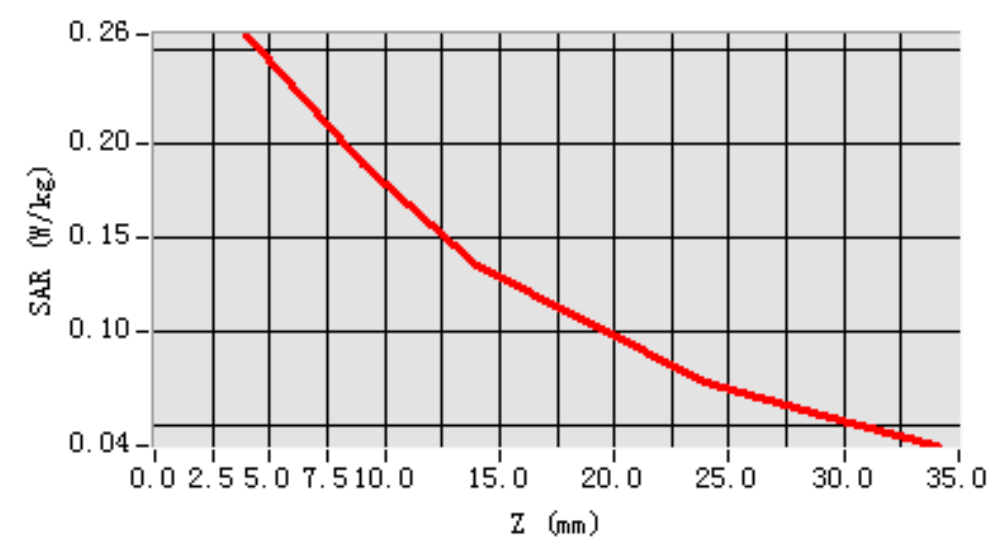


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.043100
SAR 1g (W/Kg)	0.090214

**Z Axis Scan**

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





## MEASUREMENT 14

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	FrontSide toward phantom
<b>Band</b>	802.11b
<b>Channels</b>	Middle
<b>Signal</b>	wireless

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 2450</b>	<b>Antennessa (DIPJ37,SN 48/05)</b>	<b>Calibration Due: 10/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>2437.000000</b>
<b>Relative permittivity (real part)</b>	<b>51.530000</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.400011</b>
<b>Conductivity (S/m)</b>	<b>1.960210</b>
<b>Variation (%)</b>	<b>-0.600000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



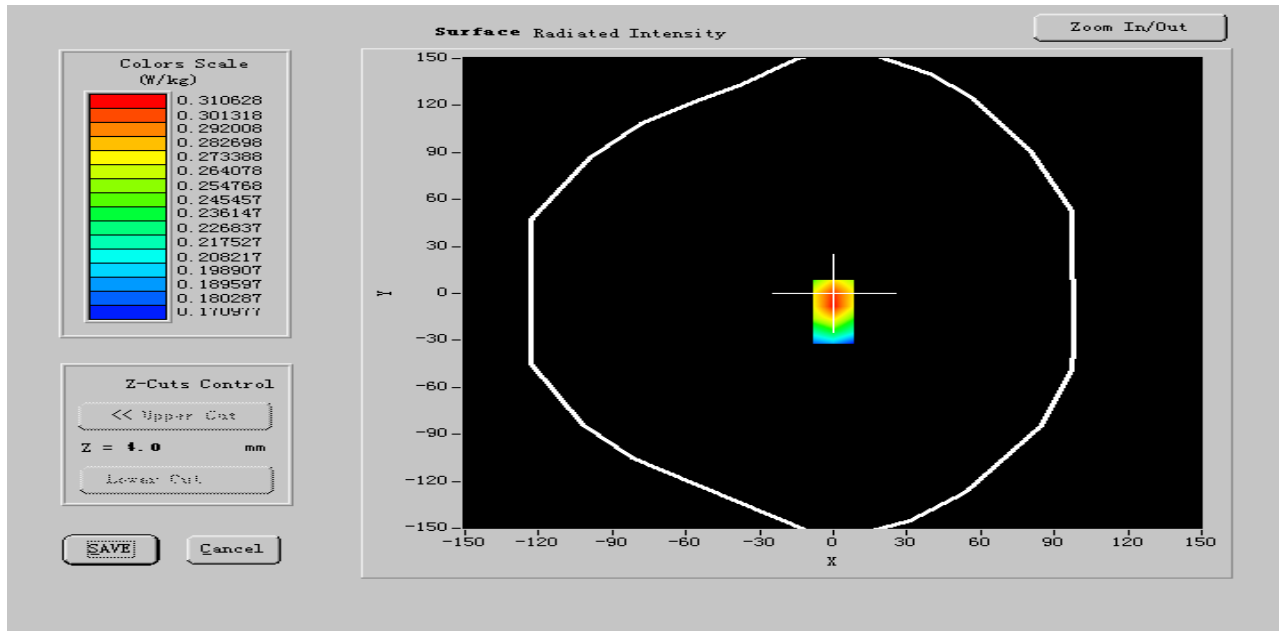
ConvF:

50.35,52.98,69.78

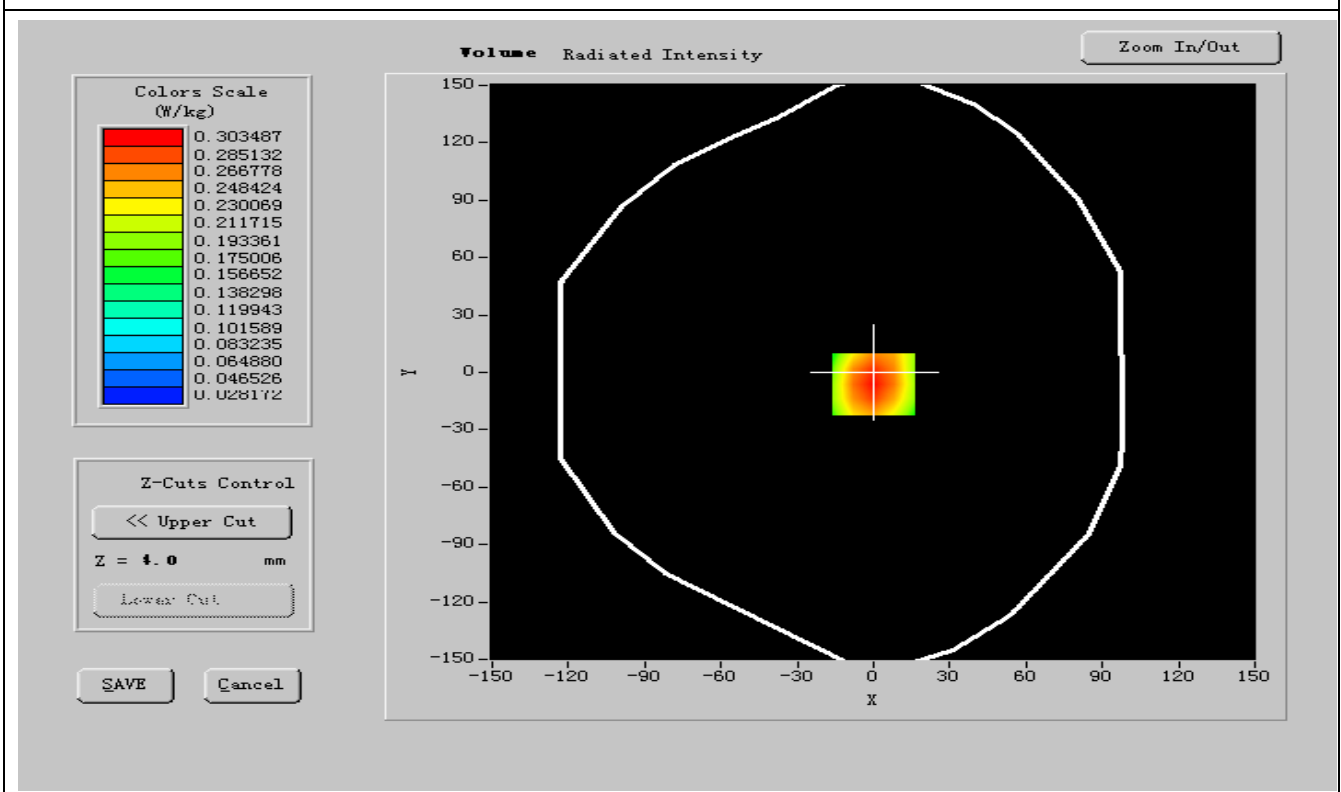
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



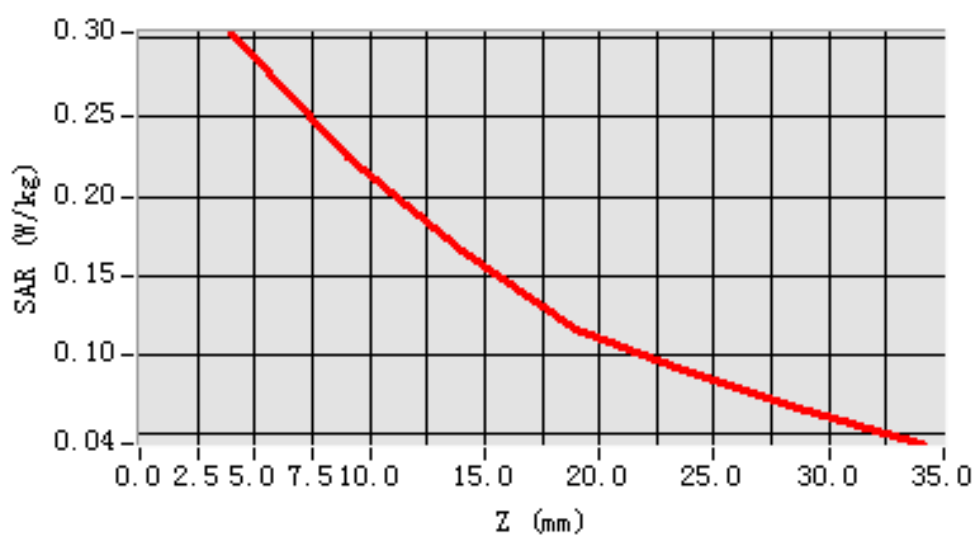


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.061428
SAR 1g (W/Kg)	0.102377

**Z Axis Scan**

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





## MEASUREMENT 15

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	FrontSide toward phantom
<b>Band</b>	802.11b
<b>Channels</b>	High
<b>Signal</b>	wireless

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 2450</b>	<b>Antennessa (DIPJ37,SN 48/05)</b>	<b>Calibration Due: 10/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>2462.000000</b>
<b>Relative permittivity (real part)</b>	<b>51.536640</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.380026</b>
<b>Conductivity (S/m)</b>	<b>1.959641</b>
<b>Variation (%)</b>	<b>-0.400000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



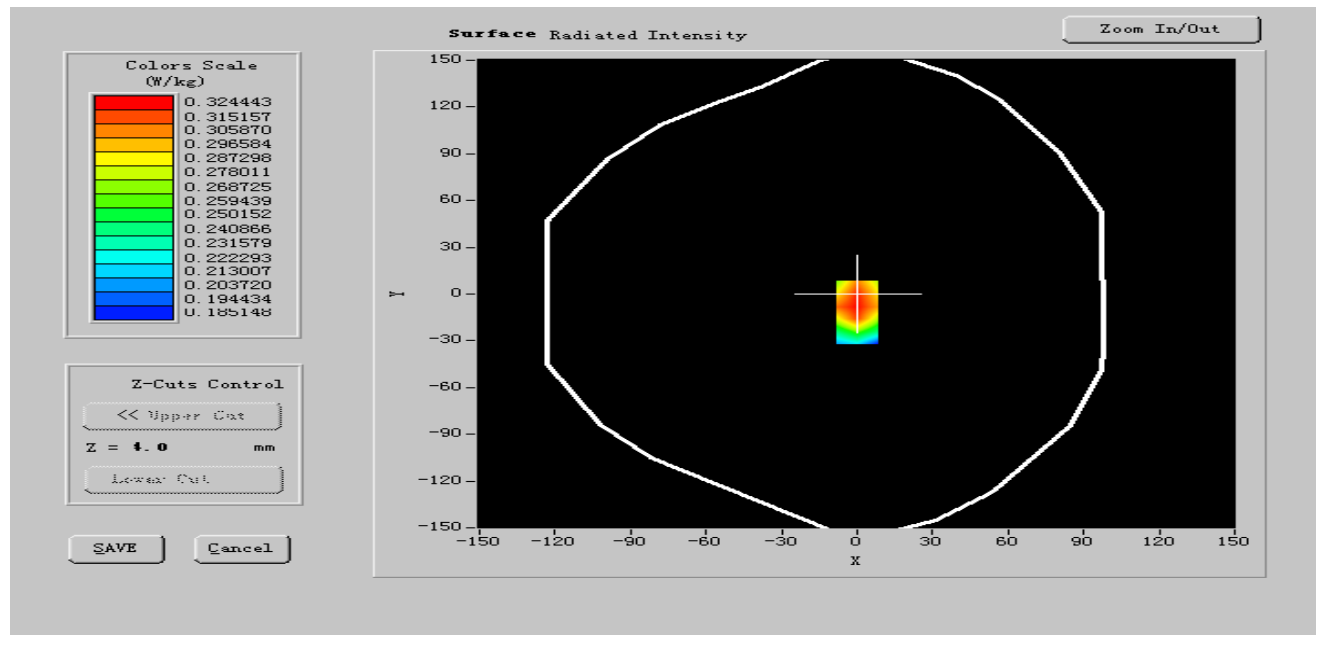
ConvF:

50.35,52.98,69.78

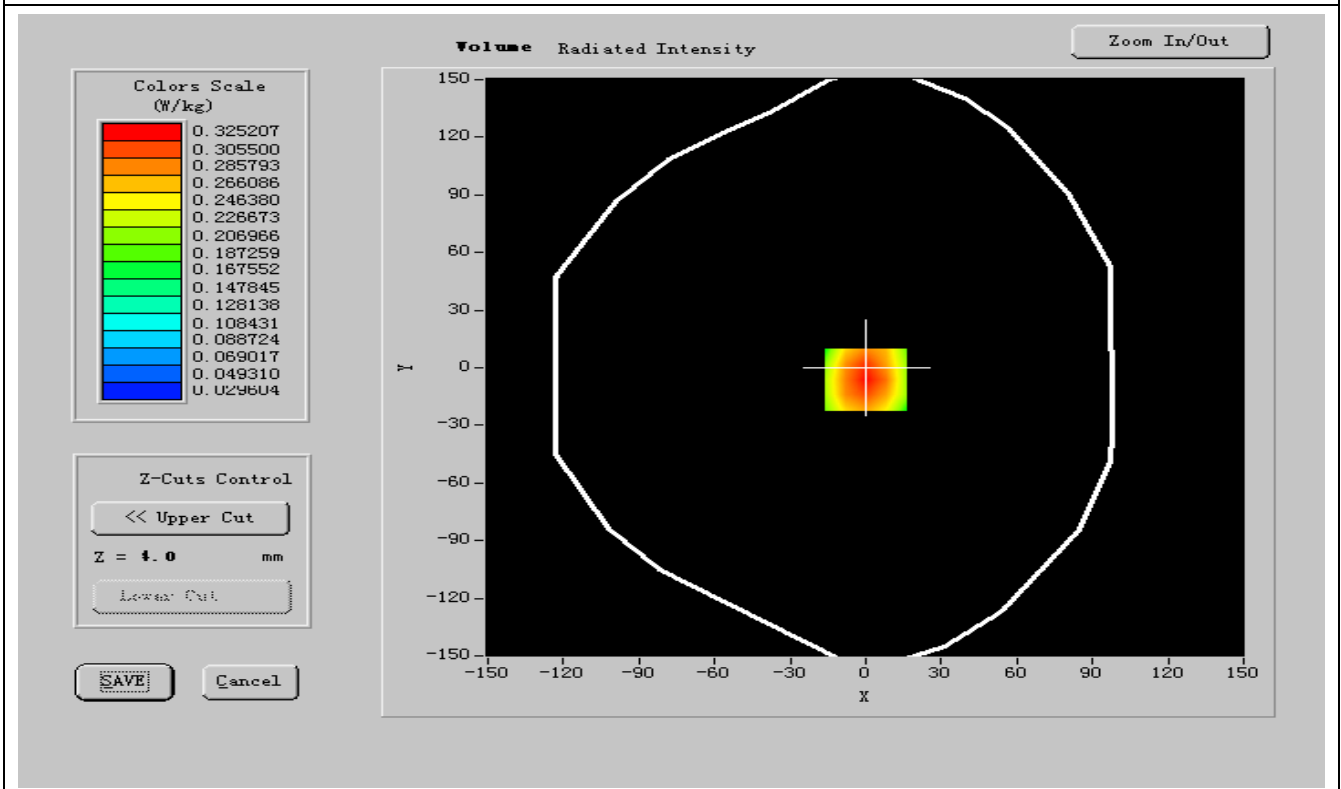
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR





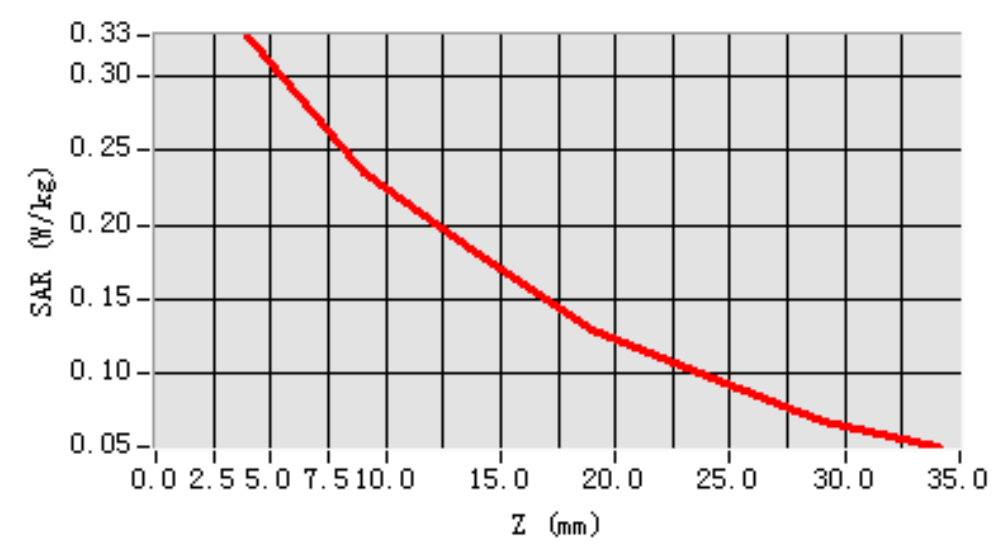


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.073258
SAR 1g (W/Kg)	0.112077

**Z Axis Scan**

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





## MEASUREMENT 16

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	BackSide toward phantom
<b>Band</b>	802.11b
<b>Channels</b>	Low
<b>Signal</b>	wireless

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 2450</b>	<b>Antennessa (DIPJ37,SN 48/05)</b>	<b>Calibration Due: 10/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

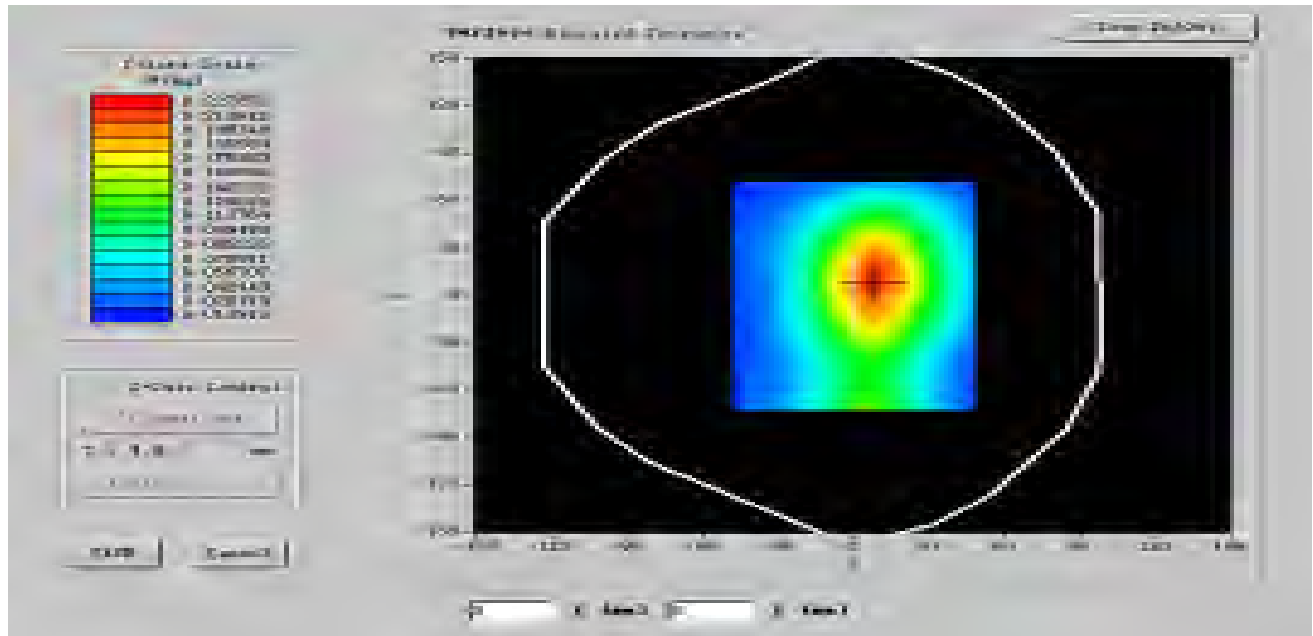
<b>Frequency (MHz)</b>	<b>2412.000000</b>
<b>Relative permittivity (real part)</b>	<b>51.535514</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.385161</b>
<b>Conductivity (S/m)</b>	<b>1.964114</b>
<b>Variation (%)</b>	<b>-0.130000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>
<b>ConvF:</b>	<b>50.35,52.98,69.78</b>



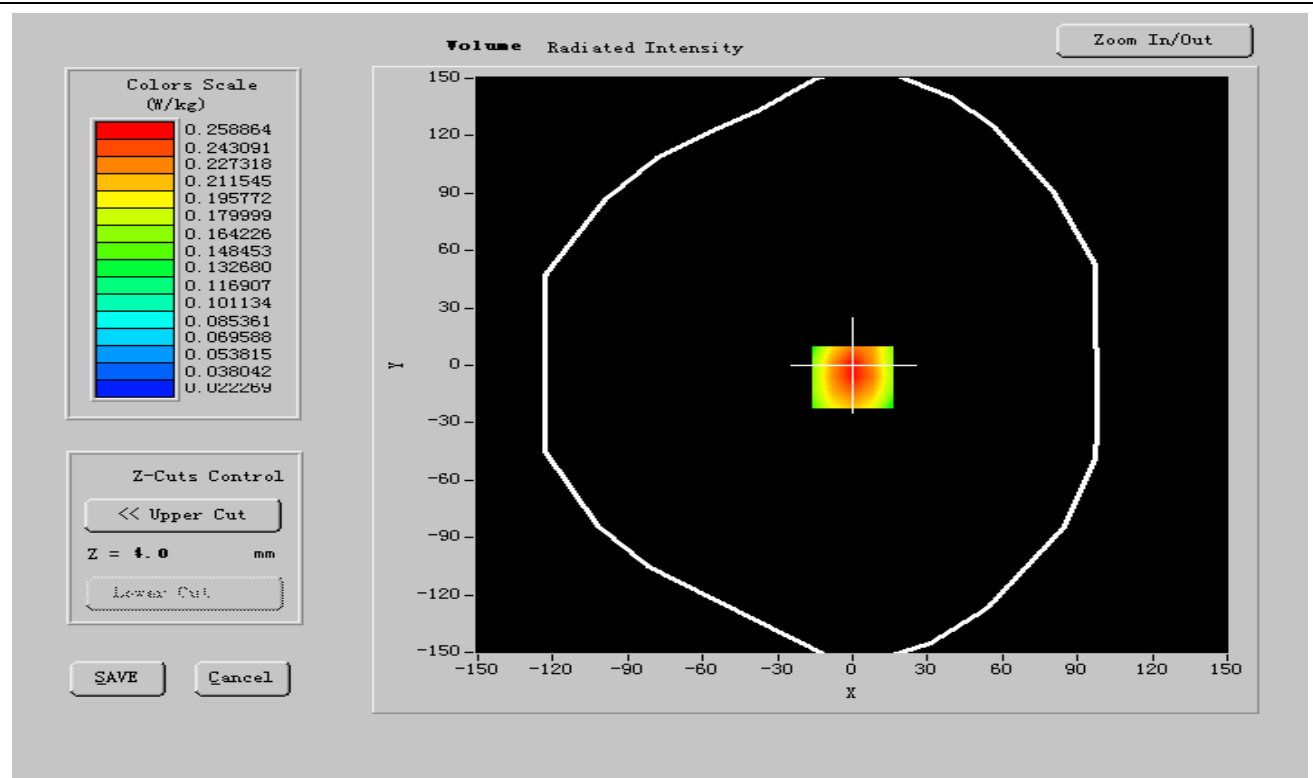
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



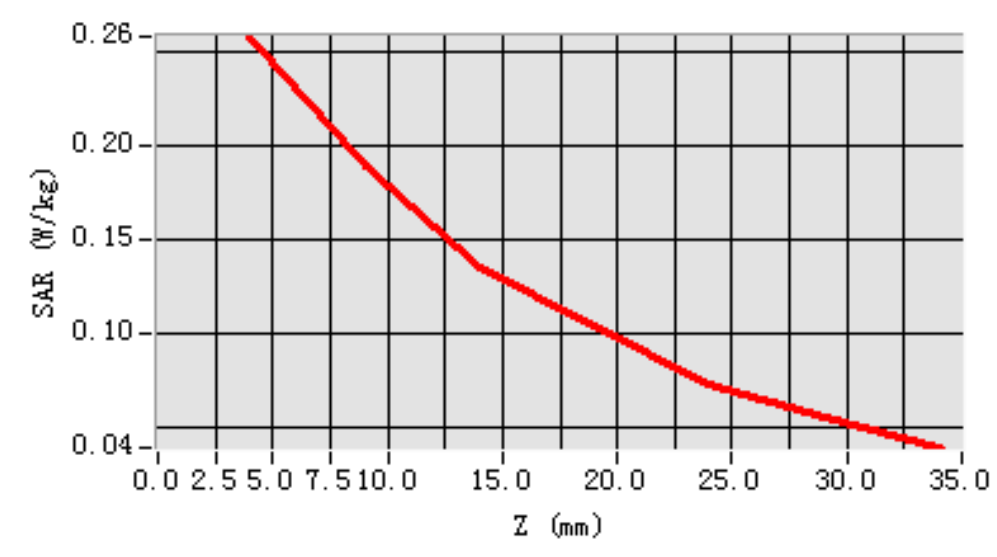


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.039870
SAR 1g (W/Kg)	0.079854

**Z Axis Scan**

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





## MEASUREMENT 17

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	BackSide toward phantom
<b>Band</b>	802.11b
<b>Channels</b>	Middle
<b>Signal</b>	wireless

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 2450</b>	<b>Antennessa (DIPJ37,SN 48/05)</b>	<b>Calibration Due: 10/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>2437.000000</b>
<b>Relative permittivity (real part)</b>	<b>51.530000</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.400011</b>
<b>Conductivity (S/m)</b>	<b>1.960210</b>
<b>Variation (%)</b>	<b>-0.600000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>



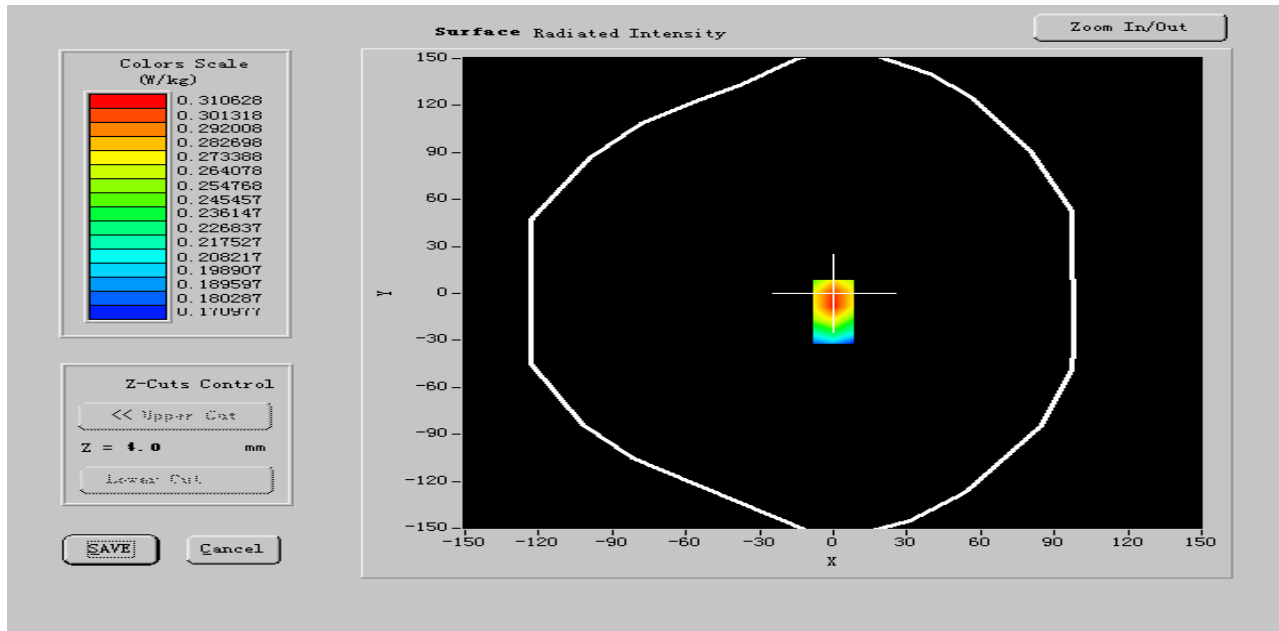
ConvF:

50.35,52.98,69.78

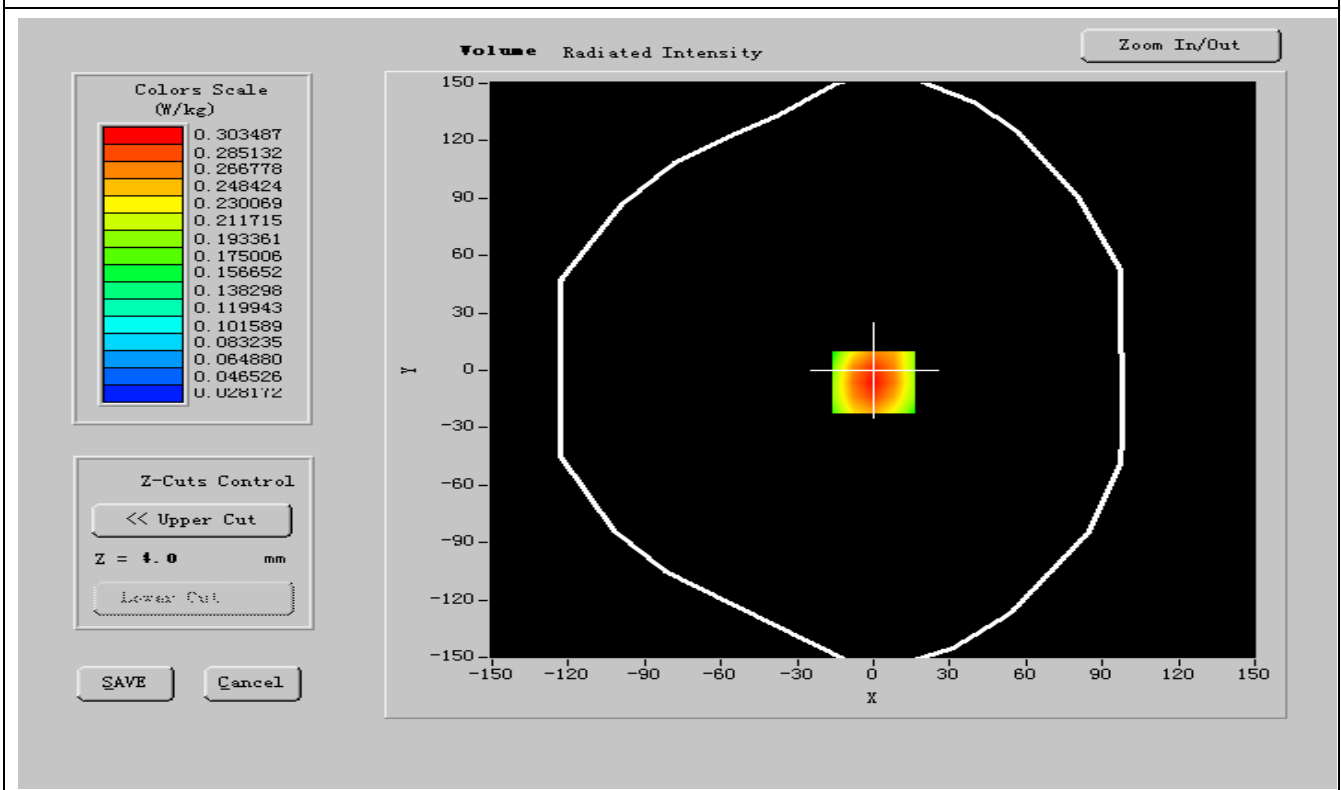
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR



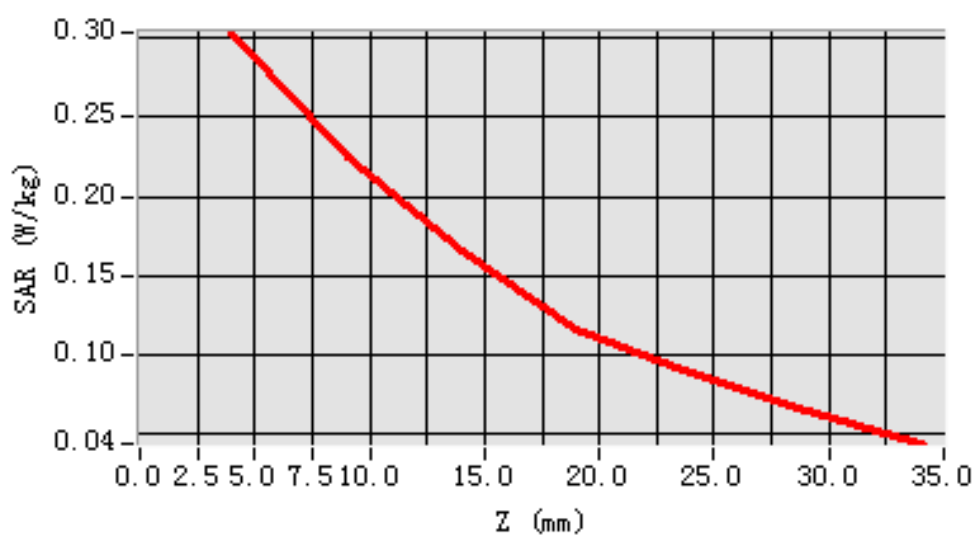


**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.062681
SAR 1g (W/Kg)	0.109871

**Z Axis Scan**

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





## MEASUREMENT 18

**Date of measurement: 02/20/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm**

### A. Experimental conditions.

<b>Phantom File</b>	zinf15.txt, Adaptive 2 max
<b>Phantom</b>	Body
<b>Device Position</b>	BackSide toward phantom
<b>Band</b>	802.11b
<b>Channels</b>	High
<b>Signal</b>	wireless

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibrated: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</b>	<b>Keithley (2000, SN:1015843)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Signal Generator</b>	<b>Agilent (E8257C, SN:MY43321570)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Amplifier</b>	<b>Mini-Circuits (ZHL-42, SN:110405)</b>	<b>Calibration Due: 07/29/2011</b>
<b>Power Meter</b>	<b>Agilent (E4416A, SN:QB41292714)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Probe</b>	<b>Antennessa (SN:SN_1109_EP_100)</b>	<b>Calibration Due: 05/04/2011</b>
<b>DIPOLE 2450</b>	<b>Antennessa (DIPJ37,SN 48/05)</b>	<b>Calibration Due: 10/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibrated: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibrated: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibrated: N/A</b>

### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>2462.000000</b>
<b>Relative permittivity (real part)</b>	<b>51.549840</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.389326</b>
<b>Conductivity (S/m)</b>	<b>1.958413</b>
<b>Variation (%)</b>	<b>-0.400000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20 °C</b>





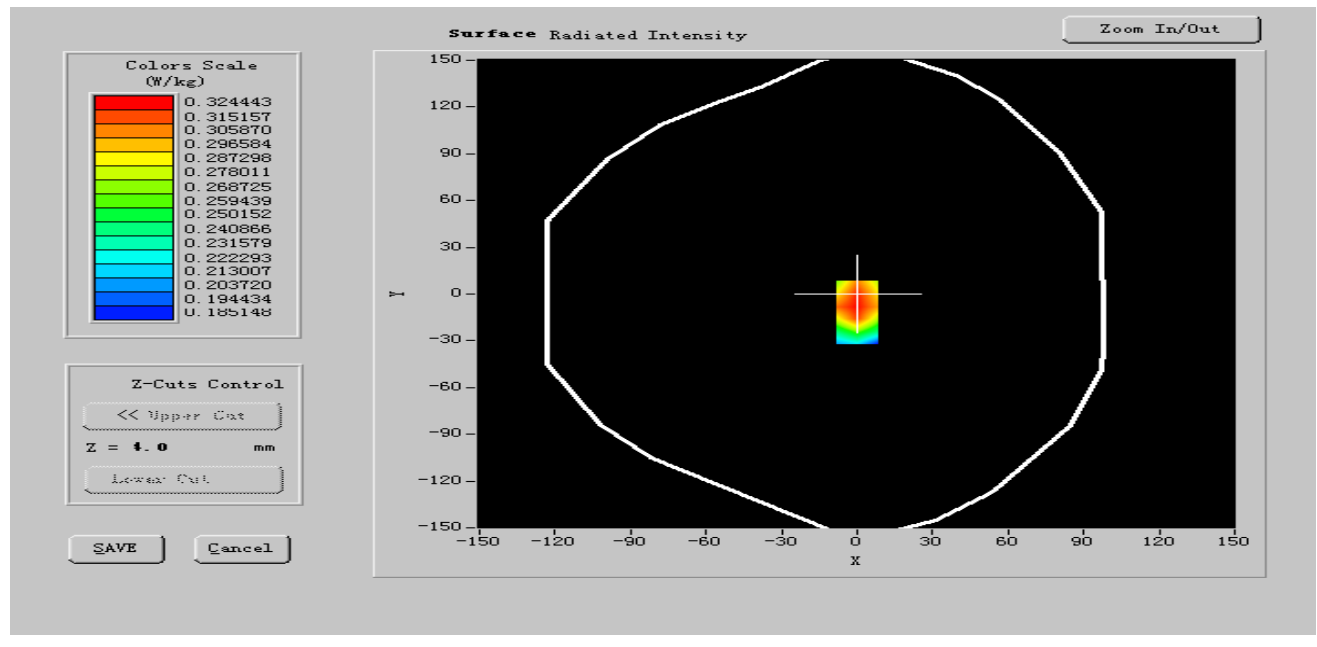
ConvF:

50.35,52.98,69.78

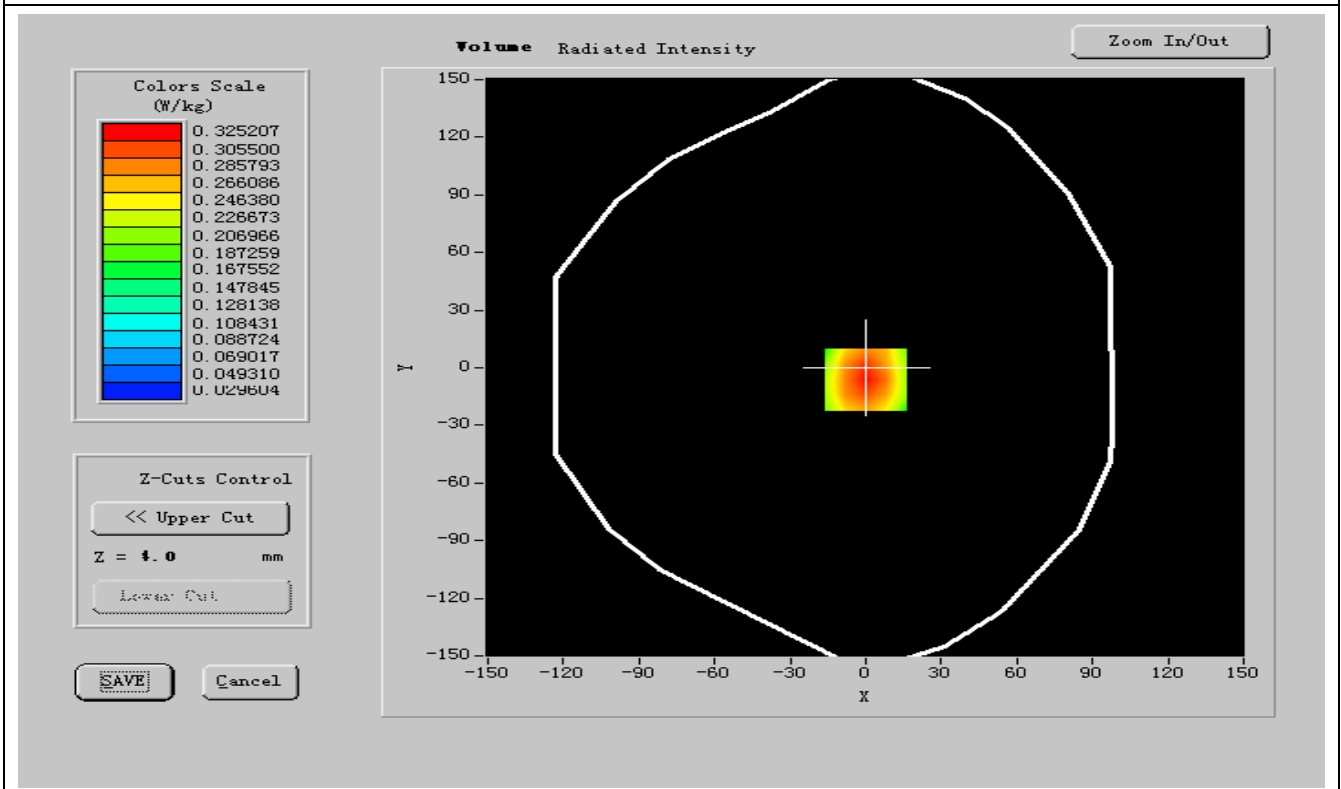
Crest factor:

1:1

## SURFACE SAR



## VOLUME SAR





**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.074871
SAR 1g (W/Kg)	0.096875

**Z Axis Scan**

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

