



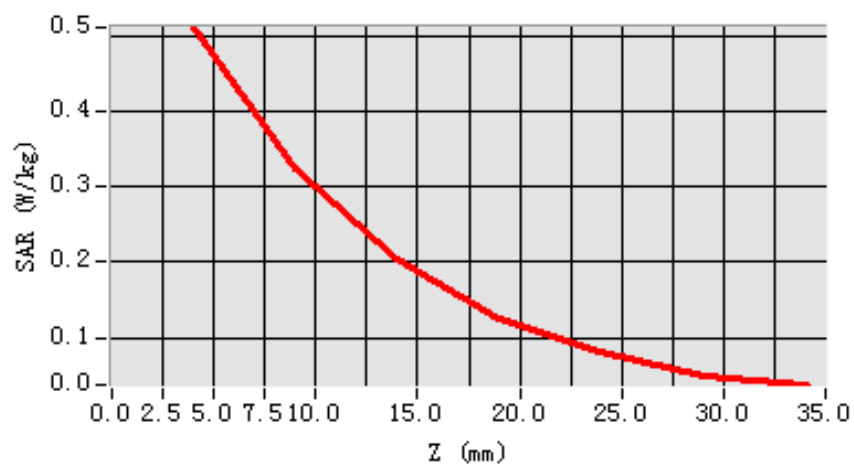
**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.603206
SAR 1g (W/Kg)	0.289505

## Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.4188	0.2834	0.1920	0.1523	0.0854	0.0072

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



**MEASUREMENT 17****Date of measurement: 12/7/2010****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>	GPRS1900
<b>Channels</b>	Middle
<b>Signal</b>	GPRS

**B. Instrumentations.**

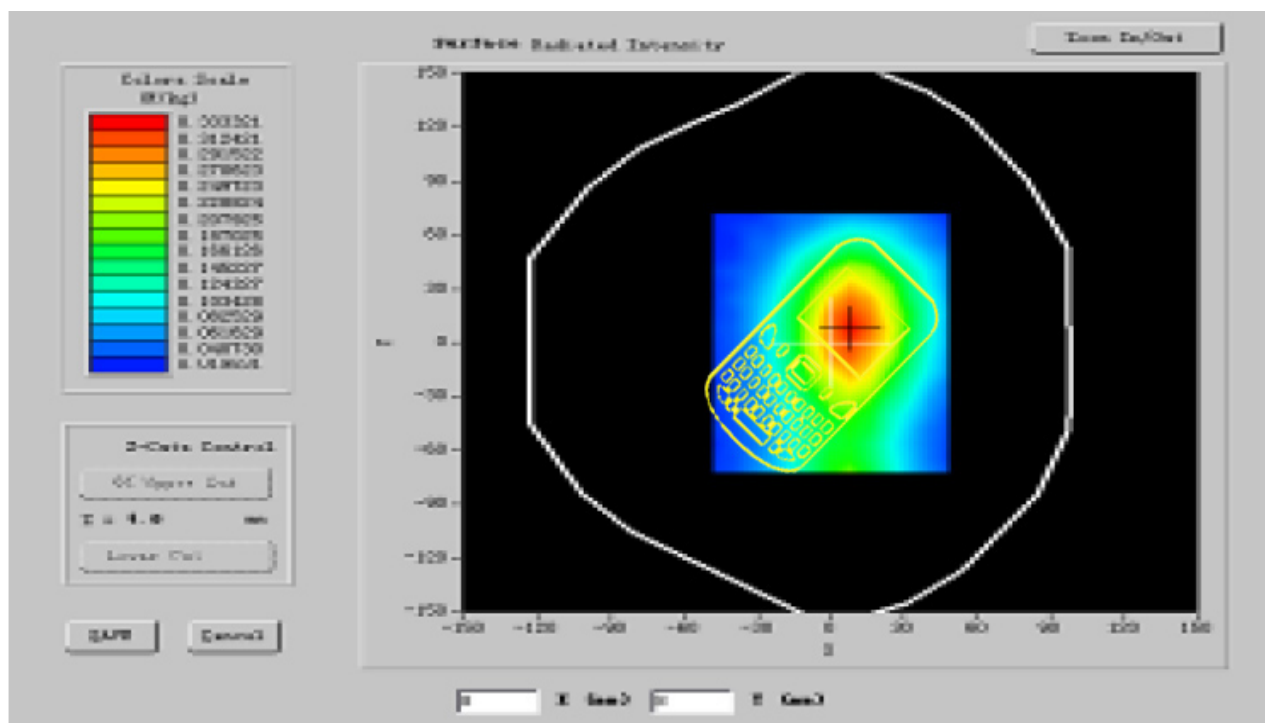
<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibration Due: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</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 (DIPG35,SN 48/05)</b>	<b>Calibration Due: 02/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibration Due: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibration Due: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibration Due: N/A</b>

**C. SAR Measurement Results**

<b>Frequency (MHz)</b>	<b>1880.000000</b>
<b>Relative permittivity (real part)</b>	<b>51.417028</b>
<b>Relative permittivity (imaginary part)</b>	<b>14.293556</b>
<b>Conductivity (S/m)</b>	<b>1.514286</b>
<b>Variation (%)</b>	<b>-1.010000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20.3°C</b>
<b>ConvF:</b>	<b>40.42, 41.12, 54.75</b>
<b>Crest factor:</b>	<b>1:2</b>



## SURFACE SAR





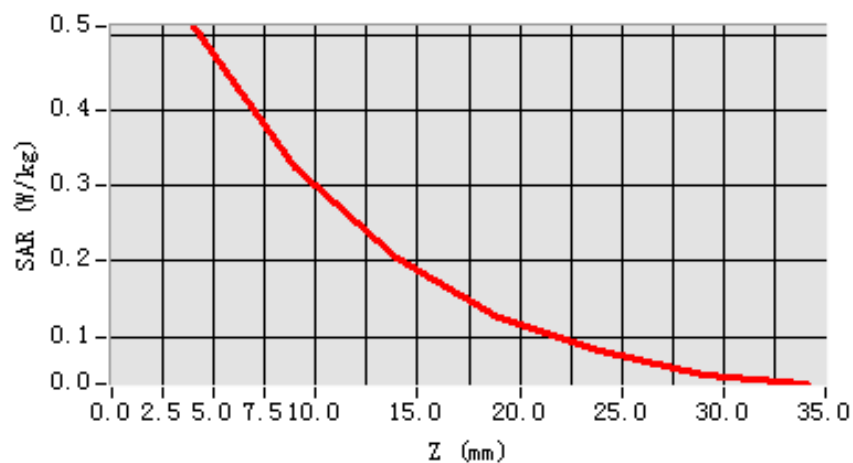
**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.520143
SAR 1g (W/Kg)	0.302105

### Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.4242	0.3034	0.1820	0.1323	0.0954	0.0062

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



**MEASUREMENT 18****Date of measurement: 12/7/2010****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>	GPRS1900
<b>Channels</b>	High
<b>Signal</b>	GPRS

**B. Instrumentations.**

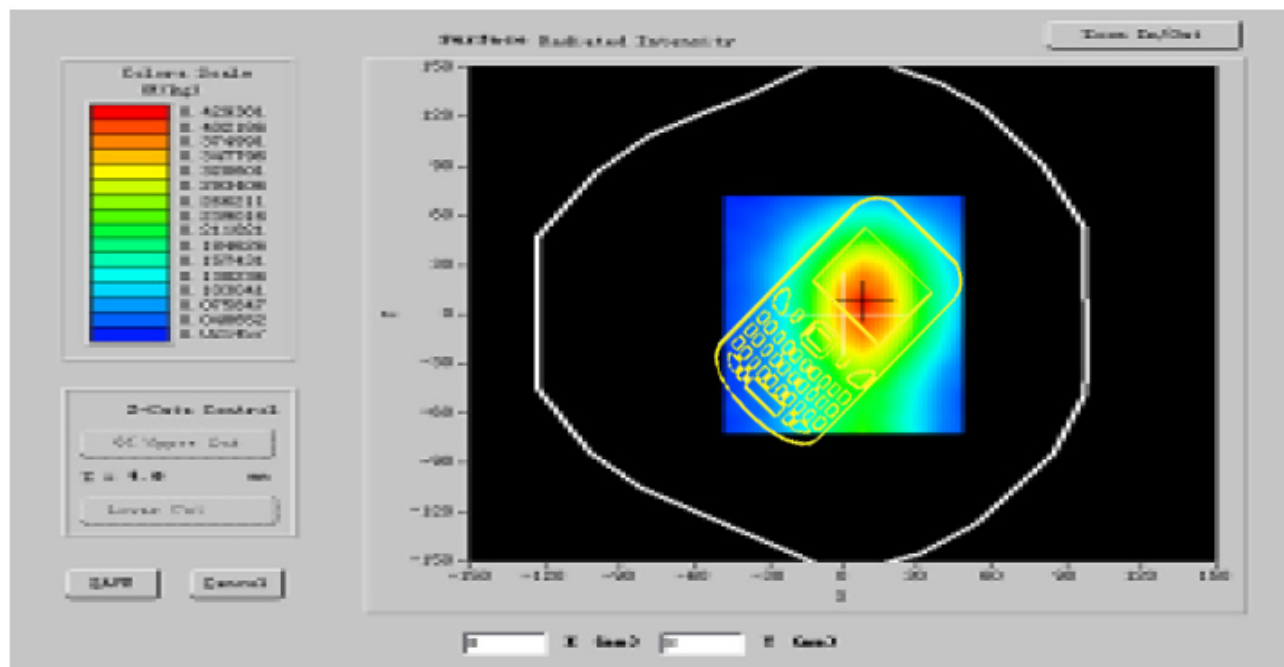
<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibration Due: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</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 (DIPG35,SN 48/05)</b>	<b>Calibration Due: 02/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibration Due: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibration Due: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibration Due: N/A</b>

**C. SAR Measurement Results**

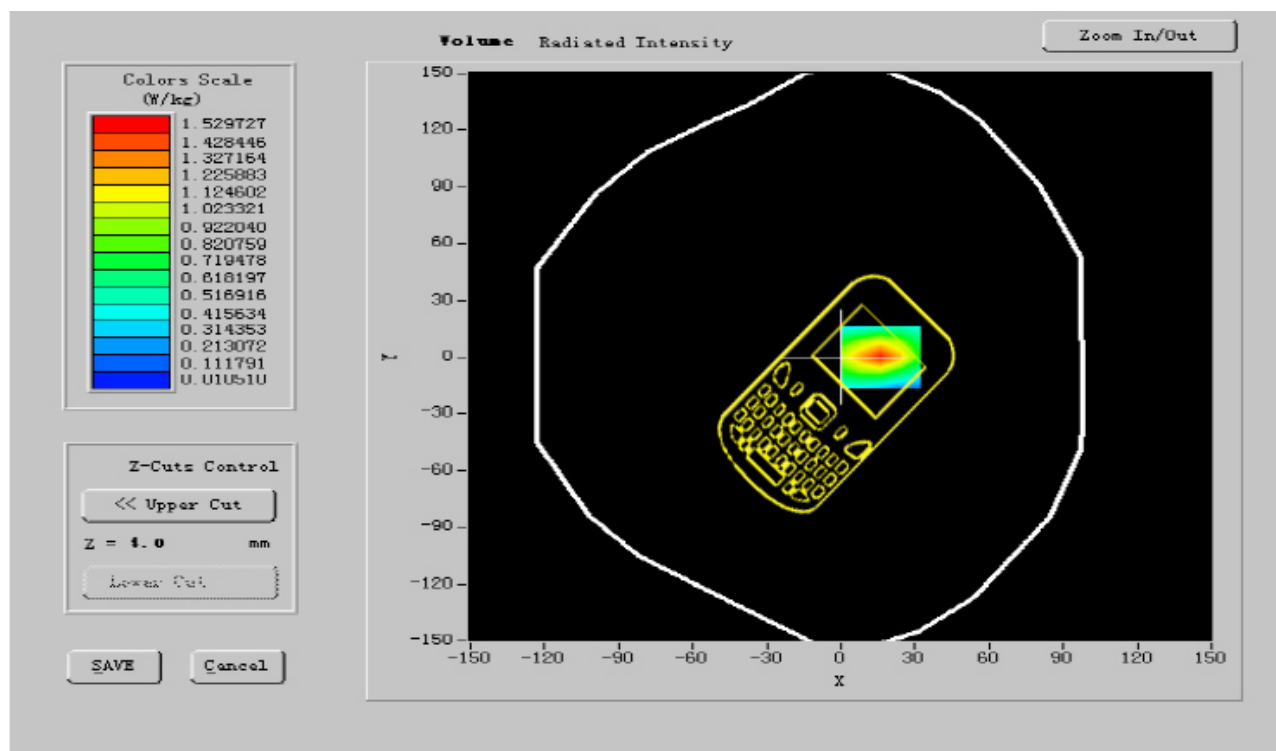
<b>Frequency (MHz)</b>	<b>1909.800000</b>
<b>Relative permittivity (real part)</b>	<b>51.813332</b>
<b>Relative permittivity (imaginary part)</b>	<b>14.319230</b>
<b>Conductivity (S/m)</b>	<b>1.513224</b>
<b>Variation (%)</b>	<b>-0.130000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20.3 °C</b>
<b>ConvF:</b>	<b>40.42, 41.12, 54.75</b>
<b>Crest factor:</b>	<b>1:2</b>



## SURFACE SAR



## VOLUME SAR





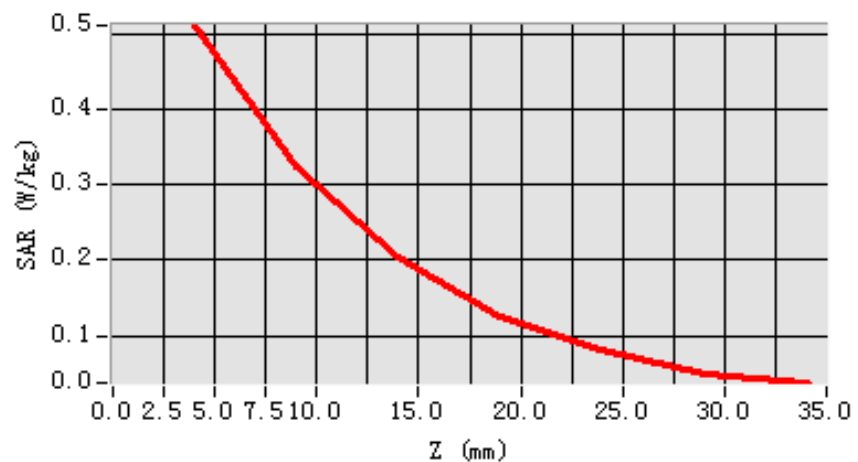
**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.601015
SAR 1g (W/Kg)	0.302136

### Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.4467	0.3054	0.1865	0.1234	0.0754	0.0032

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





## MEASUREMENT 19

**Date of measurement: 12/7/2010****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>	GSM1900
<b>Channels</b>	Low
<b>Signal</b>	GSM

### B. Instrumentations.

<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibration Due: 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 (DIPG35,SN 48/05)</b>	<b>Calibration Due: 02/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibration Due: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibration Due: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibration Due: N/A</b>

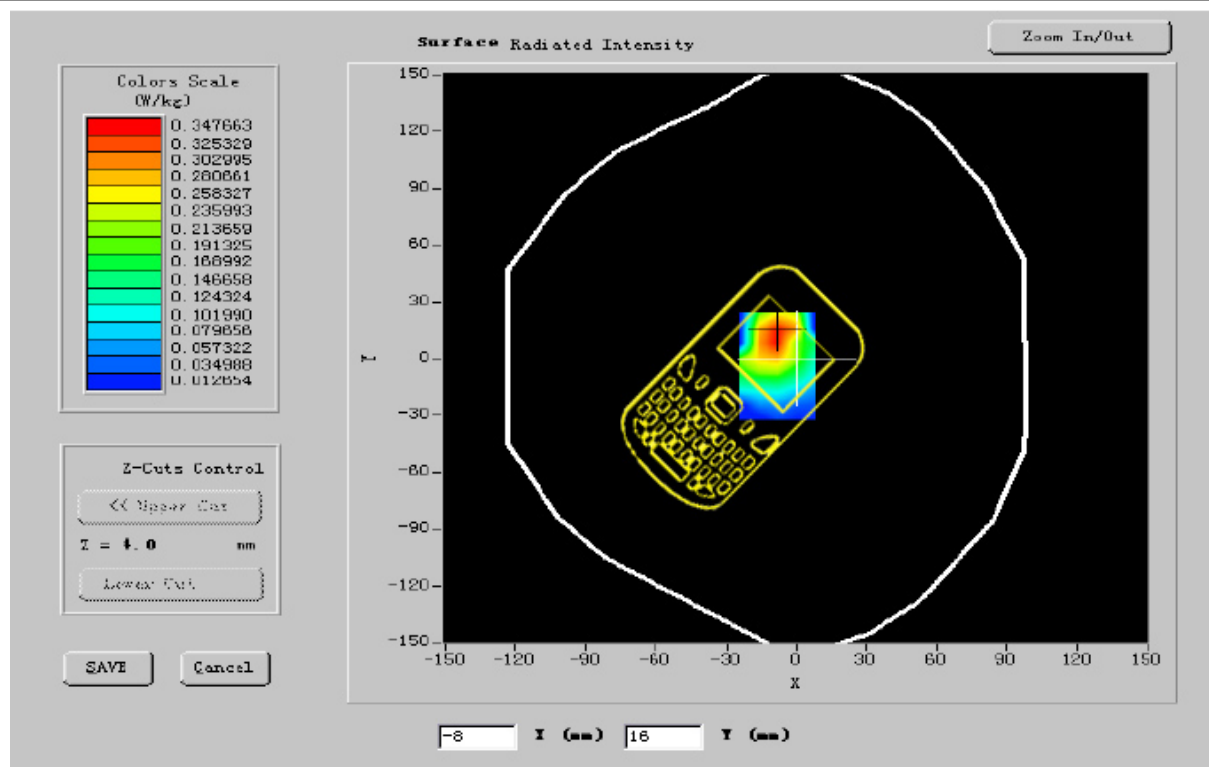
### C. SAR Measurement Results

<b>Frequency (MHz)</b>	<b>1850.200000</b>
<b>Relative permittivity (real part)</b>	<b>52.313000</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.584900</b>
<b>Conductivity (S/m)</b>	<b>1.416522</b>
<b>Variation (%)</b>	<b>-0.130000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20.3 °C</b>
<b>ConvF:</b>	<b>40.42, 41.12, 54.75</b>
<b>Crest factor:</b>	<b>1:8</b>

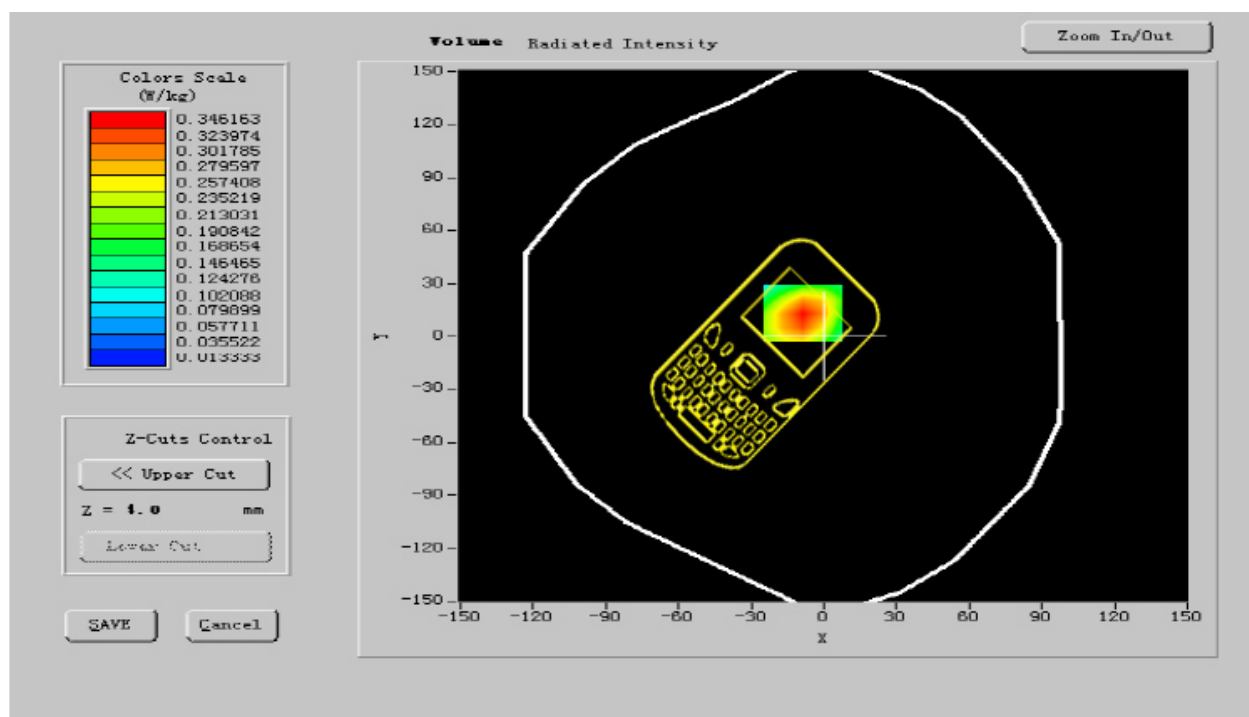




## SURFACE SAR



## VOLUME SAR





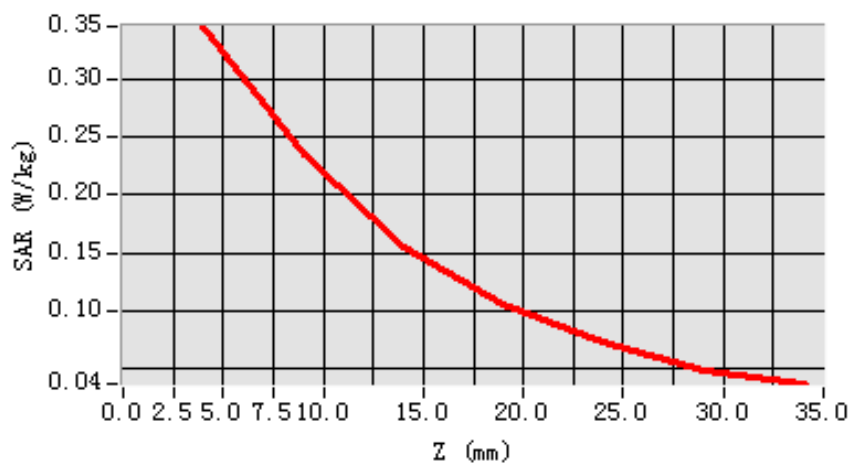
**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.552106
SAR 1g (W/Kg)	0.332015

### Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.3133	0.2873	0.1934	0.1464	0.1264	0.0089

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





## MEASUREMENT 20

**Date of measurement: 12/7/2010****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>	GSM1900
<b>Channels</b>	Middle
<b>Signal</b>	GSM

### B. Instrumentations.

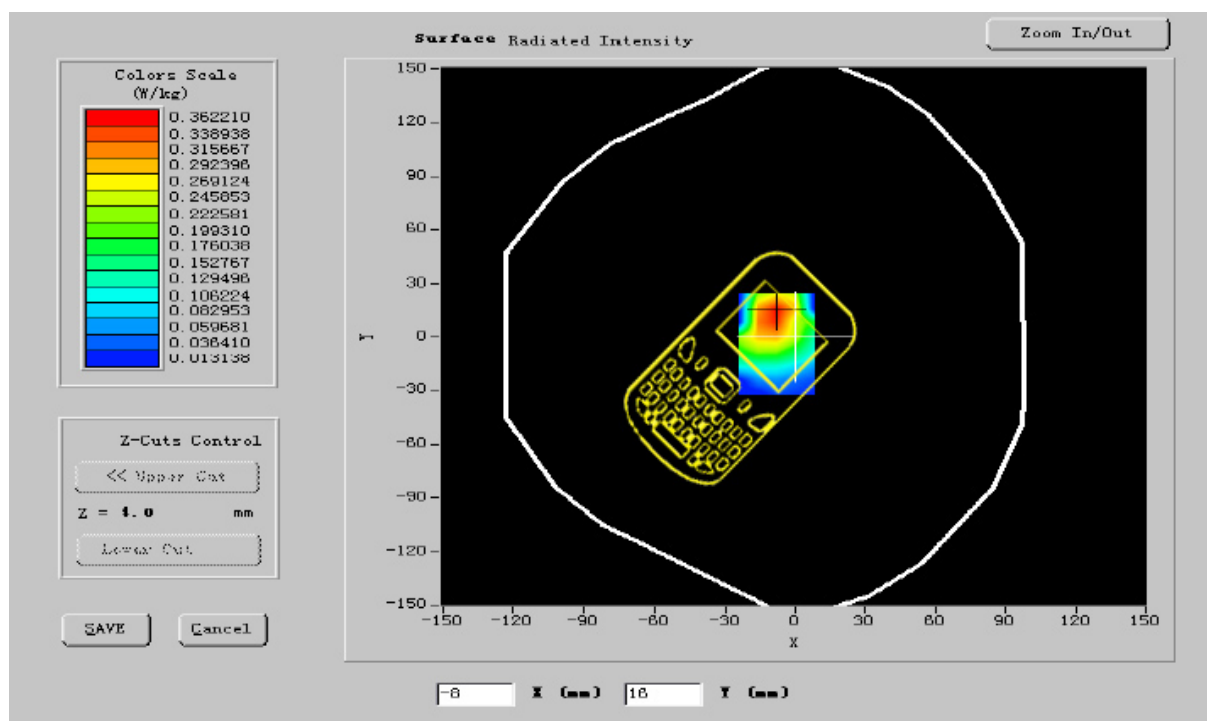
<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibration Due: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</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 (DIPG35,SN 48/05)</b>	<b>Calibration Due: 02/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibration Due: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibration Due: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibration Due: N/A</b>

### C. SAR Measurement Results

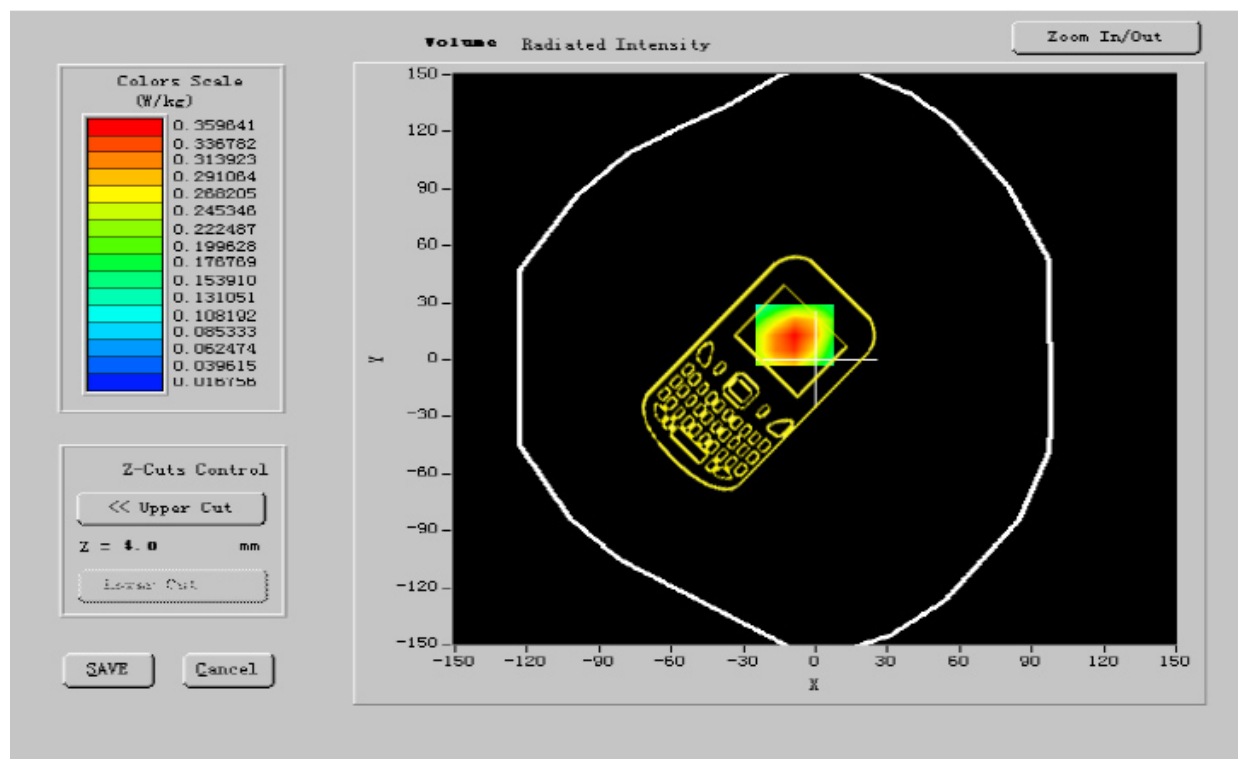
<b>Frequency (MHz)</b>	<b>1880.000000</b>
<b>Relative permittivity (real part)</b>	<b>52.893001</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.813800</b>
<b>Conductivity (S/m)</b>	<b>1.512775</b>
<b>Variation (%)</b>	<b>-0.700000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20.3 °C</b>
<b>ConvF:</b>	<b>40.42, 41.12, 54.75</b>
<b>Crest factor:</b>	<b>1:8</b>



## SURFACE SAR



## VOLUME SAR





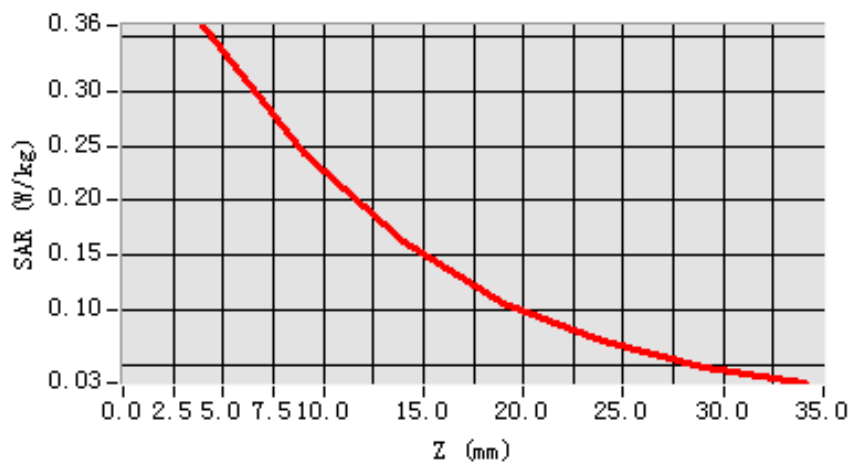
**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.582104
SAR 1g (W/Kg)	0.350156

## Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.3152	0.2832	0.1923	0.1423	0.0932	0.0309

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



**MEASUREMENT 21****Date of measurement: 12/7/2010****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>	GSM1900
<b>Channels</b>	High
<b>Signal</b>	GSM

**B. Instrumentations.**

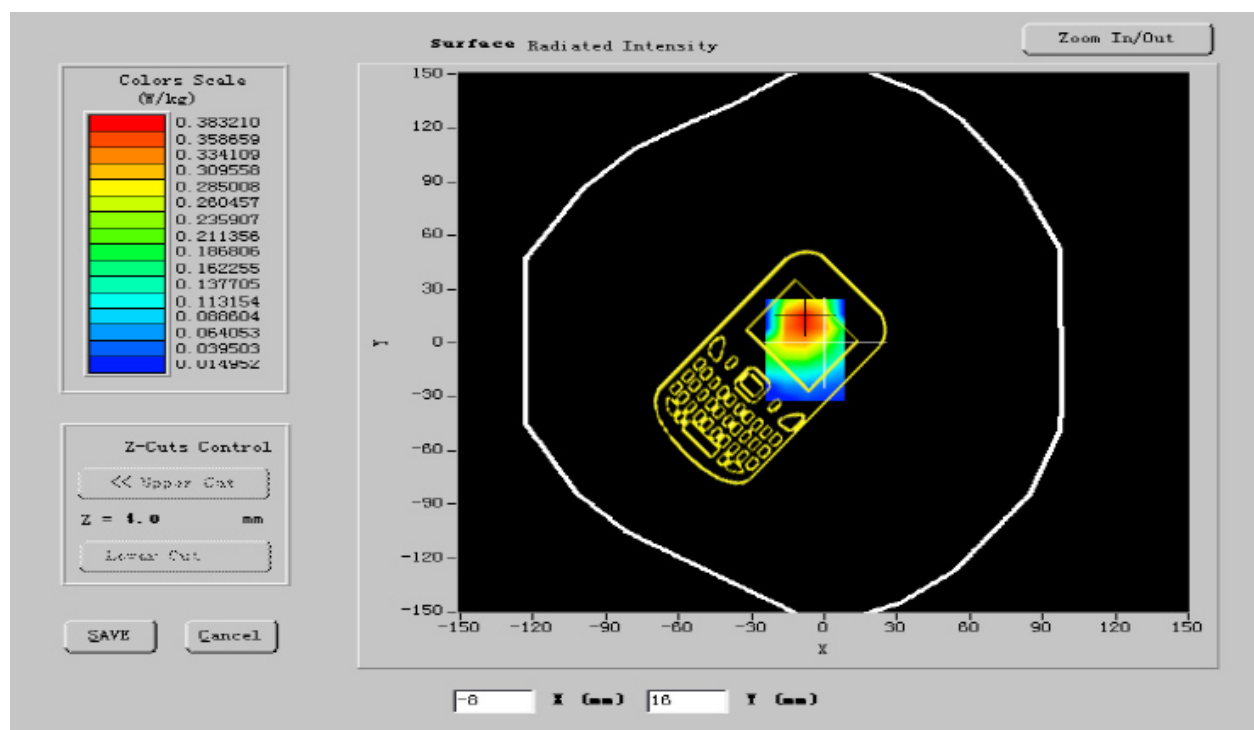
<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibration Due: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</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 (DIPG35,SN 48/05)</b>	<b>Calibration Due: 02/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibration Due: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibration Due: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibration Due: N/A</b>

**C. SAR Measurement Results**

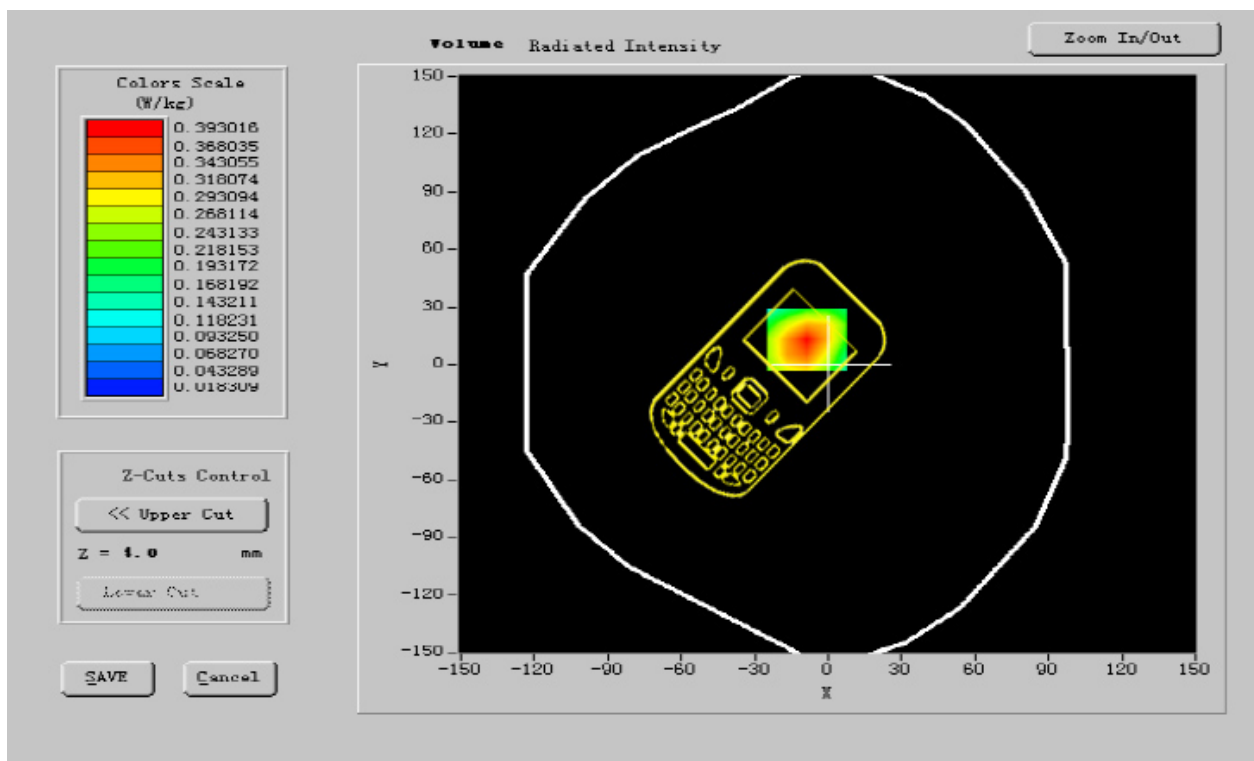
<b>Frequency (MHz)</b>	<b>1909.800000</b>
<b>Relative permittivity (real part)</b>	<b>52.885999</b>
<b>Relative permittivity (imaginary part)</b>	<b>13.669900</b>
<b>Conductivity (S/m)</b>	<b>1.510225</b>
<b>Variation (%)</b>	<b>-0.600000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20.3 °C</b>
<b>ConvF:</b>	<b>40.42, 41.12, 54.75</b>
<b>Crest factor:</b>	<b>1:8</b>



## SURFACE SAR



## VOLUME SAR





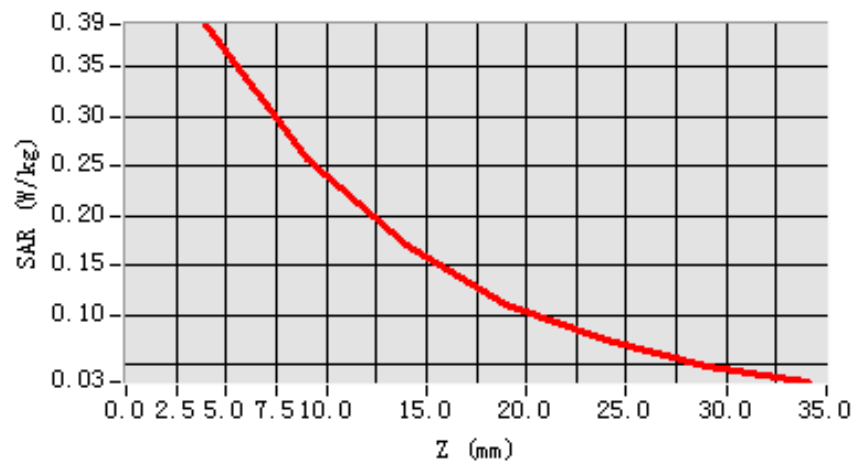
**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.265247
SAR 1g (W/Kg)	0.303211

## Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.3571	0.2832	0.1823	0.1423	0.0923	0.0322

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





**MEASUREMENT 22****Date of measurement: 12/7/2010****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>	GPRS1900
<b>Channels</b>	Low
<b>Signal</b>	GPRS

**B. Instrumentations.**

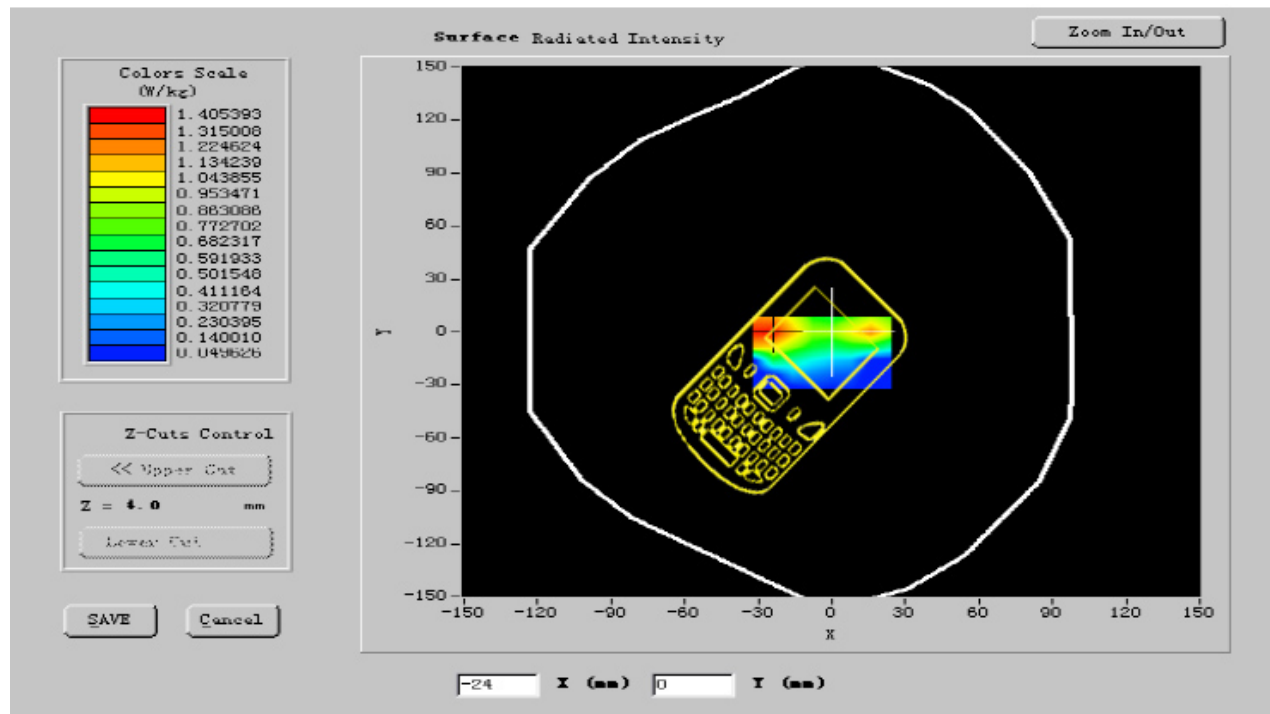
<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibration Due: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</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 (DIPG35,SN 48/05)</b>	<b>Calibration Due: 02/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibration Due: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibration Due: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibration Due: N/A</b>

**C. SAR Measurement Results**

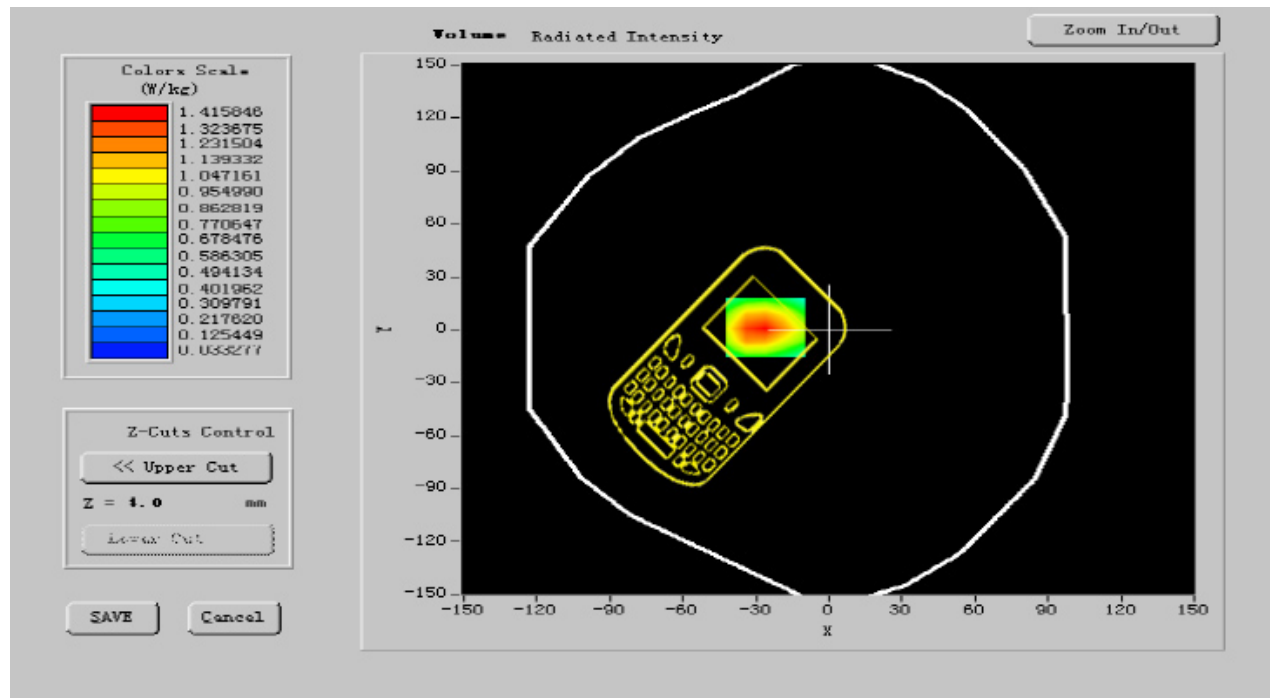
<b>Frequency (MHz)</b>	<b>1850.200000</b>
<b>Relative permittivity (real part)</b>	<b>52.347400</b>
<b>Relative permittivity (imaginary part)</b>	<b>14.450693</b>
<b>Conductivity (S/m)</b>	<b>1.533698</b>
<b>Variation (%)</b>	<b>-0.400000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20.3 °C</b>
<b>ConvF:</b>	<b>40.42, 41.12, 54.75</b>
<b>Crest factor:</b>	<b>1:2</b>



## SURFACE SAR



## VOLUME SAR





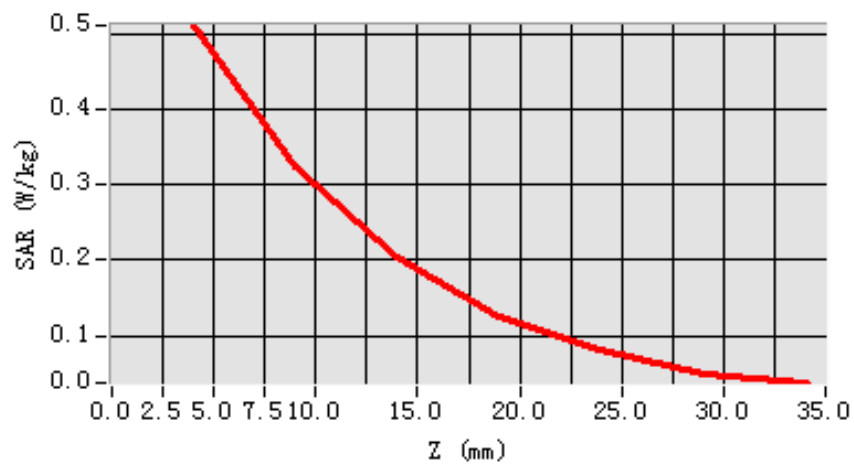
**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.480215
SAR 1g (W/Kg)	0.285421

### Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.4188	0.2834	0.1920	0.1523	0.0854	0.0072

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



**MEASUREMENT 23****Date of measurement: 12/7/2010****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>	GPRS1900
<b>Channels</b>	Middle
<b>Signal</b>	GPRS

**B. Instrumentations.**

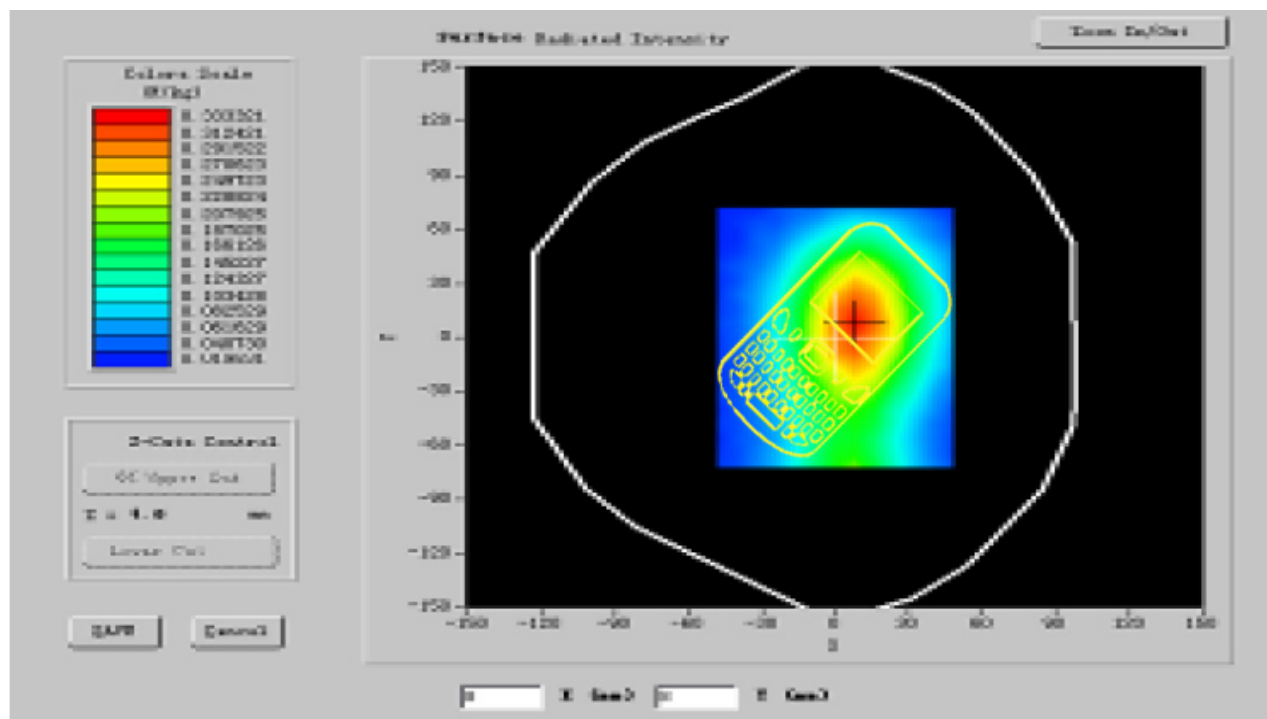
<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibration Due: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</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 (DIPG35,SN 48/05)</b>	<b>Calibration Due: 02/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibration Due: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibration Due: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibration Due: N/A</b>

**C. SAR Measurement Results**

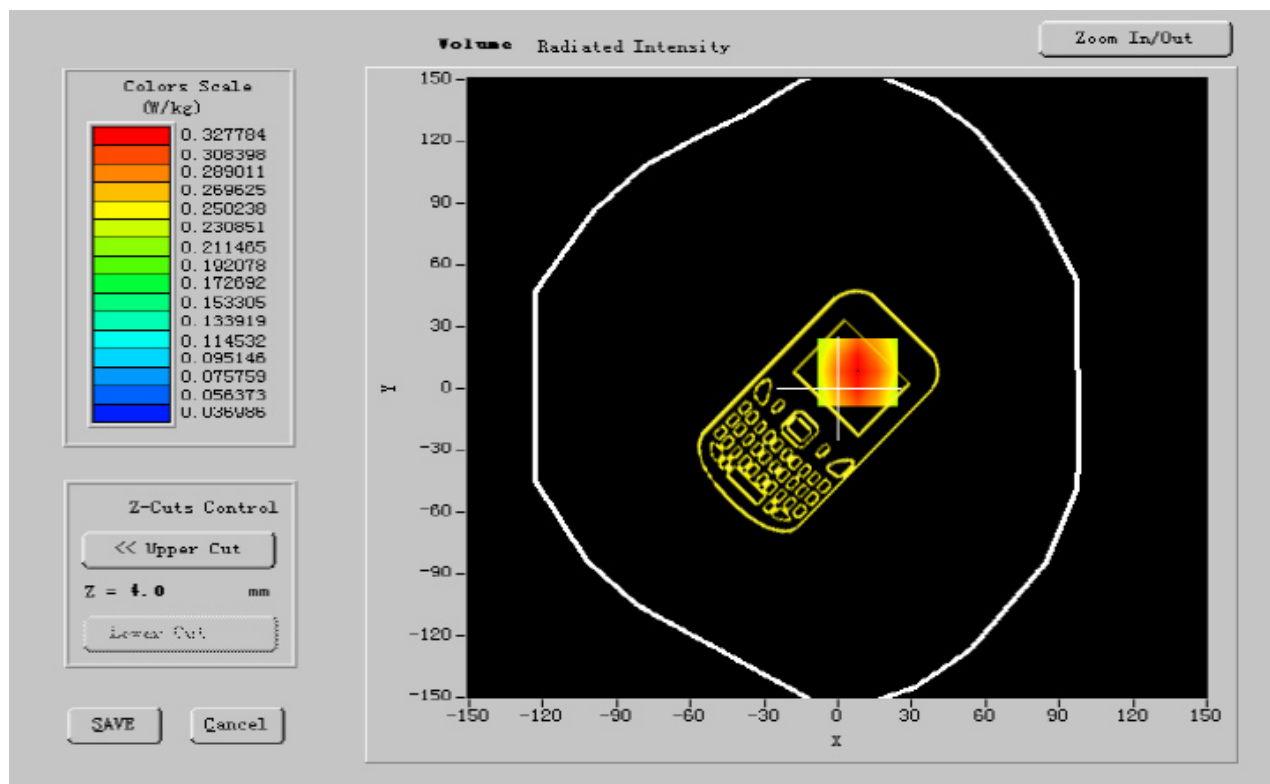
<b>Frequency (MHz)</b>	<b>1880.000000</b>
<b>Relative permittivity (real part)</b>	<b>51.417028</b>
<b>Relative permittivity (imaginary part)</b>	<b>14.293556</b>
<b>Conductivity (S/m)</b>	<b>1.514286</b>
<b>Variation (%)</b>	<b>-1.010000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20.3 °C</b>
<b>ConvF:</b>	<b>40.42, 41.12, 54.75</b>
<b>Crest factor:</b>	<b>1:2</b>



## SURFACE SAR



## VOLUME SAR





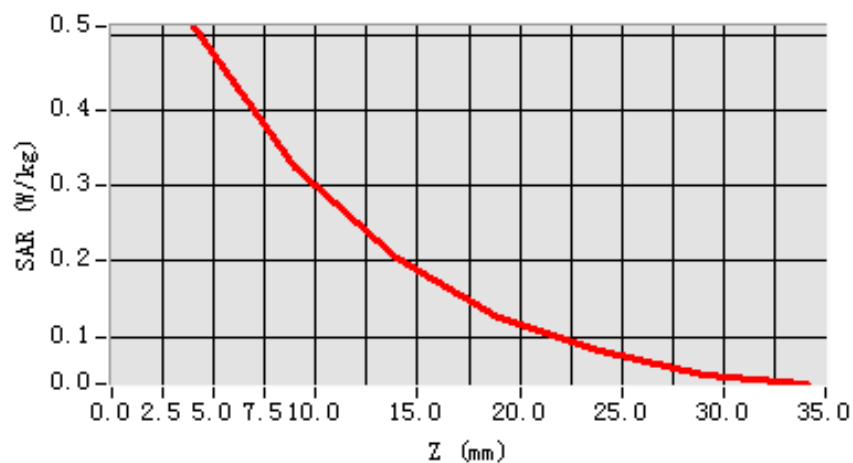
**Maximum location: X=-13.00, Y=-3.00**

SAR 10g (W/Kg)	0.585424
SAR 1g (W/Kg)	0.301265

### Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.4242	0.3034	0.1820	0.1323	0.0954	0.0062

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



**MEASUREMENT 24****Date of measurement: 12/7/2010****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>	GPRS1900
<b>Channels</b>	High
<b>Signal</b>	GPRS

**B. Instrumentations.**

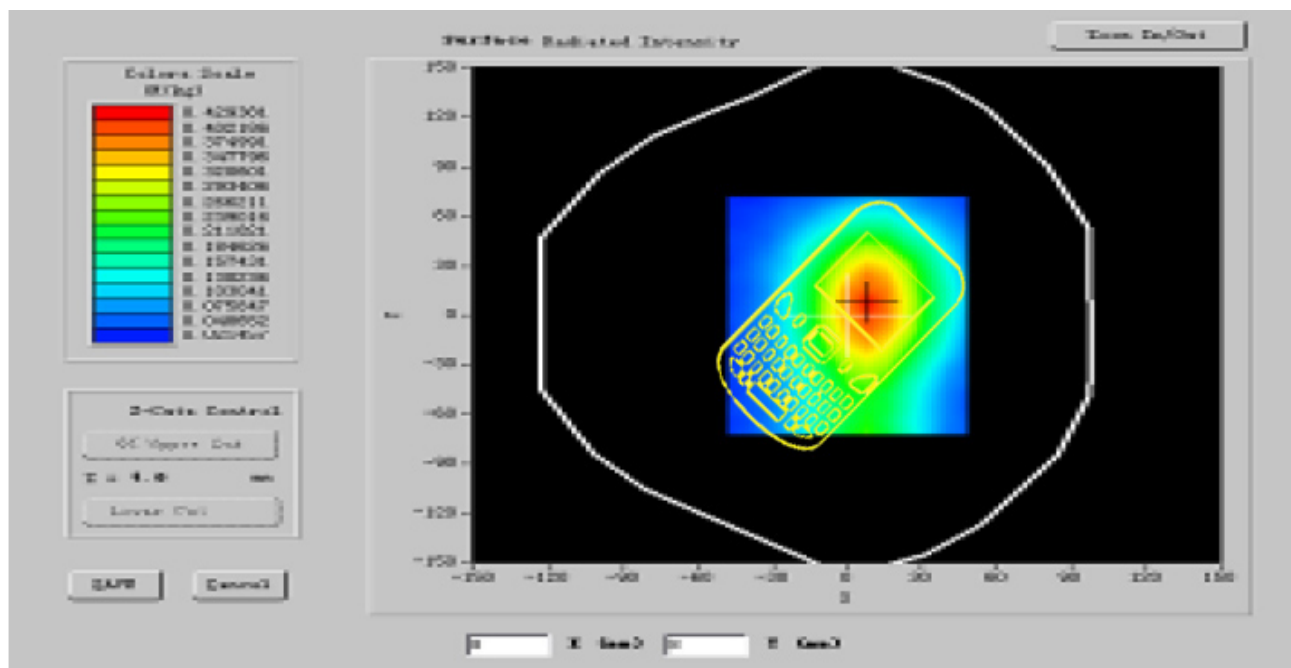
<b>PC</b>	<b>HP (Pentium(R) V3.06GHz, SN:375052-AA1)</b>	<b>Calibration Due: N/A</b>
<b>Wireless Communication Test Set</b>	<b>R&amp;S (CMU200, SN:B23-03291)</b>	<b>Calibration Due: 05/25/2011</b>
<b>Network Analyzer</b>	<b>Agilent(E5071B, MY42301382)</b>	<b>Calibration Due: 03/24/2011</b>
<b>Voltmeter</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 (DIPG35,SN 48/05)</b>	<b>Calibration Due: 02/09/2011</b>
<b>Phantom</b>	<b>Antennessa (SN:SN41_05_SAM29)</b>	<b>Calibration Due: N/A</b>
<b>Liquid</b>	<b>Antennessa</b>	<b>Calibration Due: N/A</b>
<b>Measurement SW</b>	<b>OPEN SAR V2.1</b>	<b>Calibration Due: N/A</b>

**C. SAR Measurement Results**

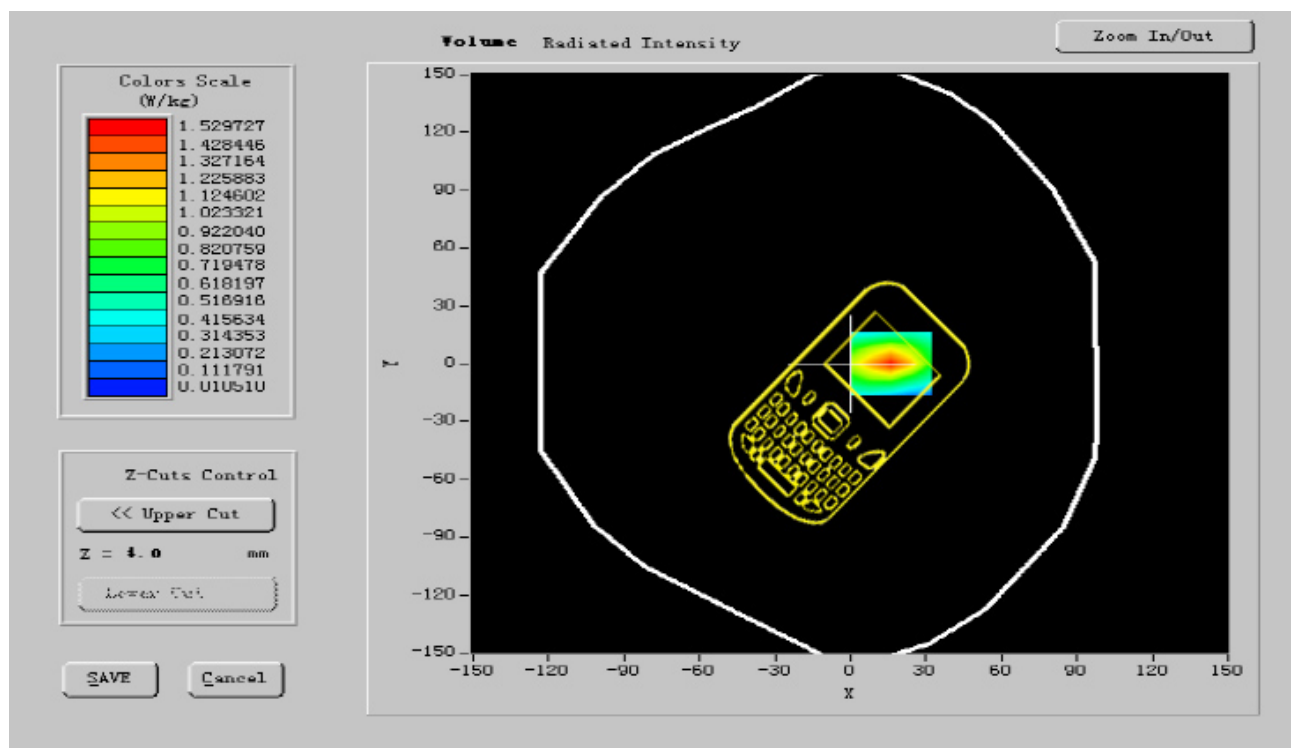
<b>Frequency (MHz)</b>	<b>1909.800000</b>
<b>Relative permittivity (real part)</b>	<b>51.813332</b>
<b>Relative permittivity (imaginary part)</b>	<b>14.319230</b>
<b>Conductivity (S/m)</b>	<b>1.513224</b>
<b>Variation (%)</b>	<b>-0.130000</b>
<b>Ambient Temperature:</b>	<b>21 °C</b>
<b>Liquid Temperature:</b>	<b>20.3 °C</b>
<b>ConvF:</b>	<b>40.42, 41.12, 54.75</b>
<b>Crest factor:</b>	<b>1:2</b>



## SURFACE SAR



## VOLUME SAR







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

SAR 10g (W/Kg)	0.471425
SAR 1g (W/Kg)	0.312016

### Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.4467	0.3054	0.1865	0.1234	0.0754	0.0032

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

