I. 850MHz Band RESULTS

TYPE	PARAMETERS
Phone	Measurement 1: Right Head with Cheek device position on Low Channel in GSM850 mode Measurement 2: Right Head with Cheek device position on Middle Channel in GSM850 mode Measurement 3: Right Head with Cheek device position on High Channel in GSM850 mode Measurement 4: Right Head with Tilt device position on Low Channel in GSM850 mode Measurement 5: Right Head with Tilt device position on Middle Channel in GSM850 mode Measurement 6: Right Head with Tilt device position on High Channel in GSM850 mode Measurement 7: Left Head with Cheek device position on Low Channel in GSM850 mode Measurement 8: Left Head with Cheek device position on Middle Channel in GSM850 mode Measurement 9: Left Head with Cheek device position on High Channel in GSM850 mode Measurement 10: Left Head with Tilt device position on Low Channel in GSM850 mode Measurement 11: Left Head with Tilt device position on Middle Channel in GSM850 mode Measurement 12: Left Head with Tilt device position on High Channel in GSM850 mode Measurement 13: FrontSide toward phantom 15mm, Low Channel in GSM850 mode Measurement 14: FrontSide toward phantom 15mm, Middle Channel in GSM850 mode Measurement 15: FrontSide toward phantom 15mm, High Channel in GSM850 mode Measurement 16: FrontSide toward phantom 15mm, Low Channel in GPRS850 mode Measurement 17: FrontSide toward phantom 15mm, Middle Channel in GPRS850 mode Measurement 18: FrontSide toward phantom 15mm, High Channel in GPRS850 mode

MEASUREMENT 1

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Right head
Device Position	Cheek
Band	GSM850
Channels	Low
Signal	GSM

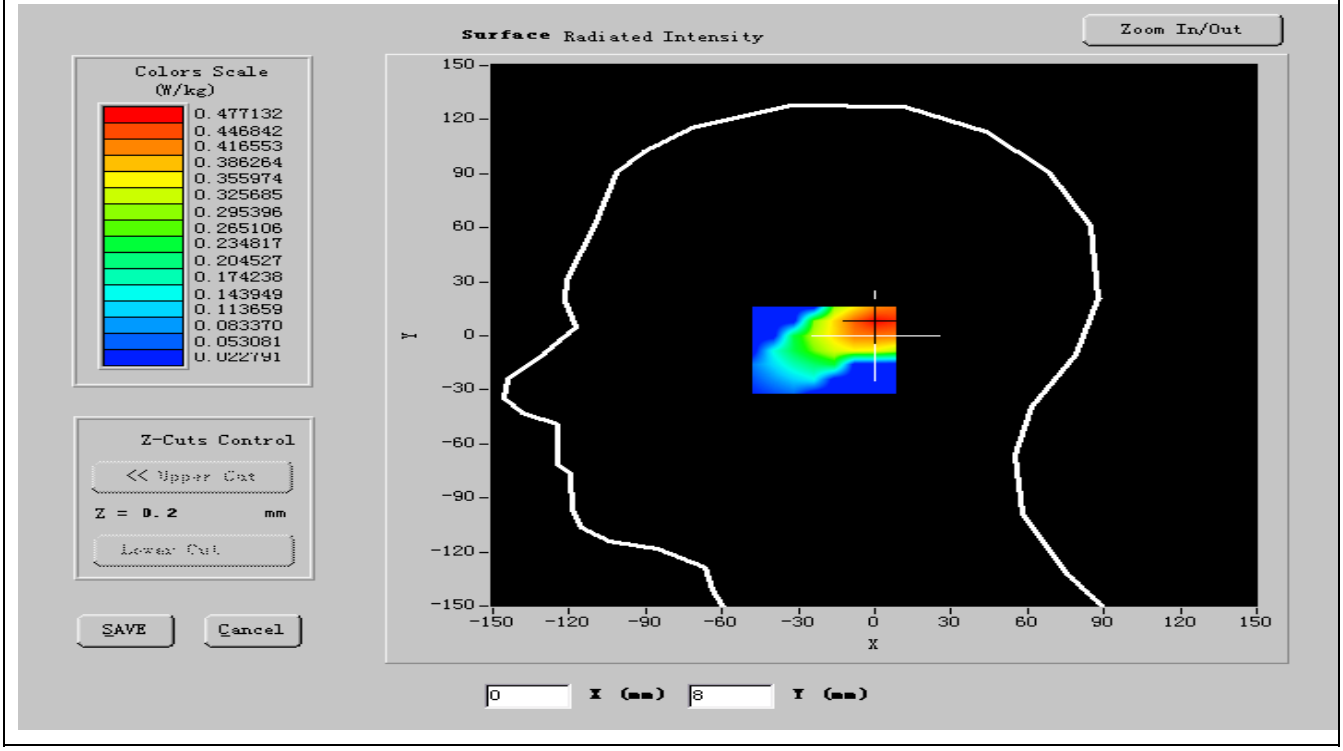
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

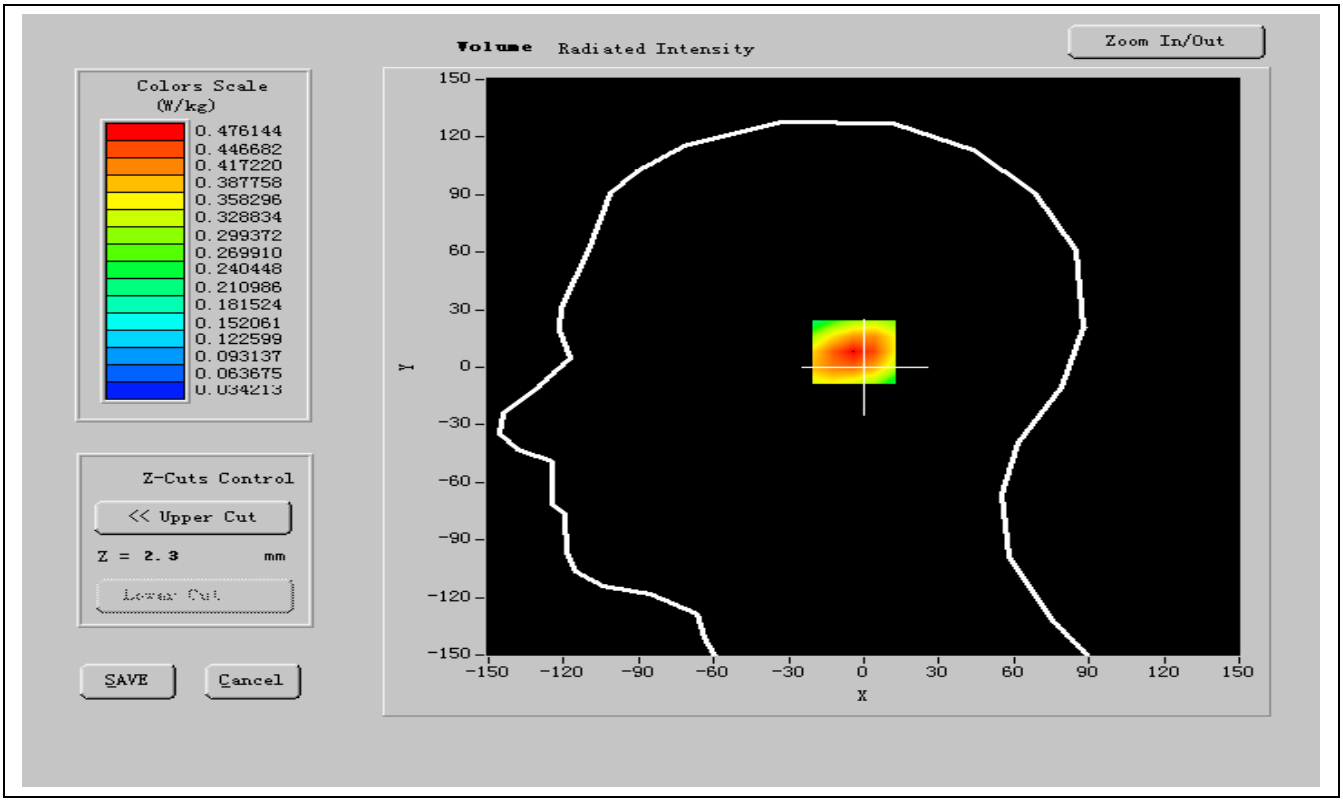
C. SAR Measurement Results

Frequency (MHz)	**824.200012**
Relative permitivity (real part)	**41.466999**
Relative permitivity (imaginary part)	**19.511101**
Conductivity (S/m)	**0.923392**
Variation (%)	**-1.490000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**20.66, 20.51, 28.36**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

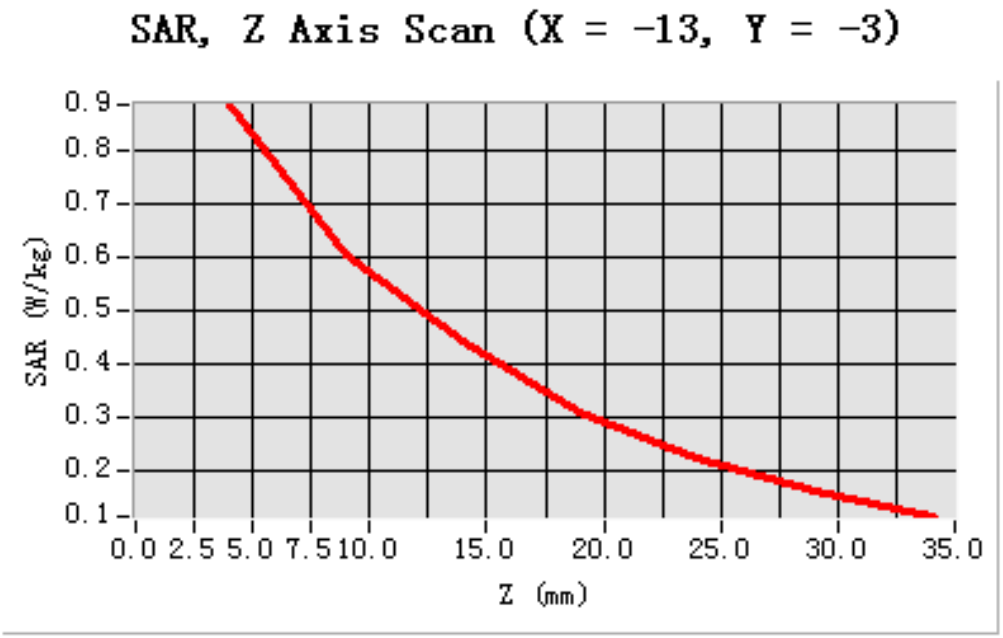


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.533416
SAR 1g (W/Kg)	0.831137

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.8491	0.5876	0.4532	0.2756	0.1985	0.1465


SAR, Z Axis Scan (X = -13, Y = -3)
SAR (W/kg)
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 2

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Right head
Device Position	Cheek
Band	GSM850
Channels	Middle
Signal	GSM

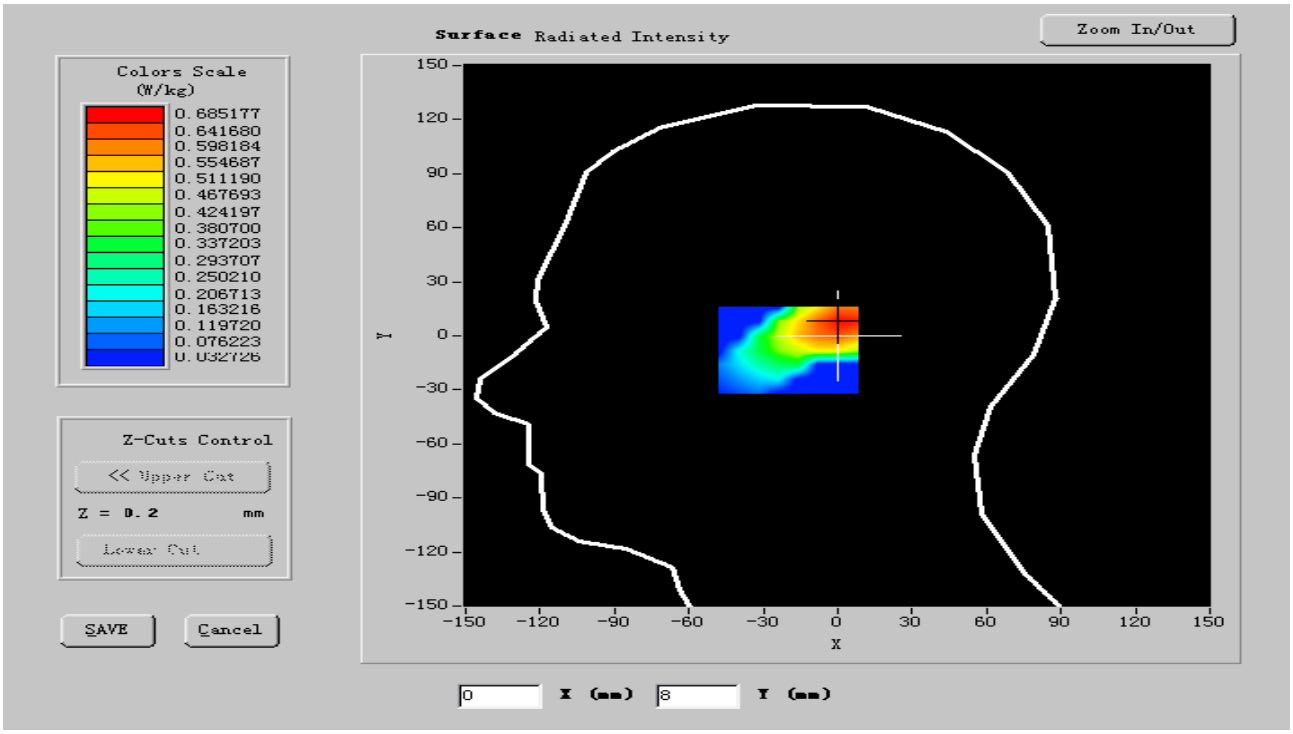
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

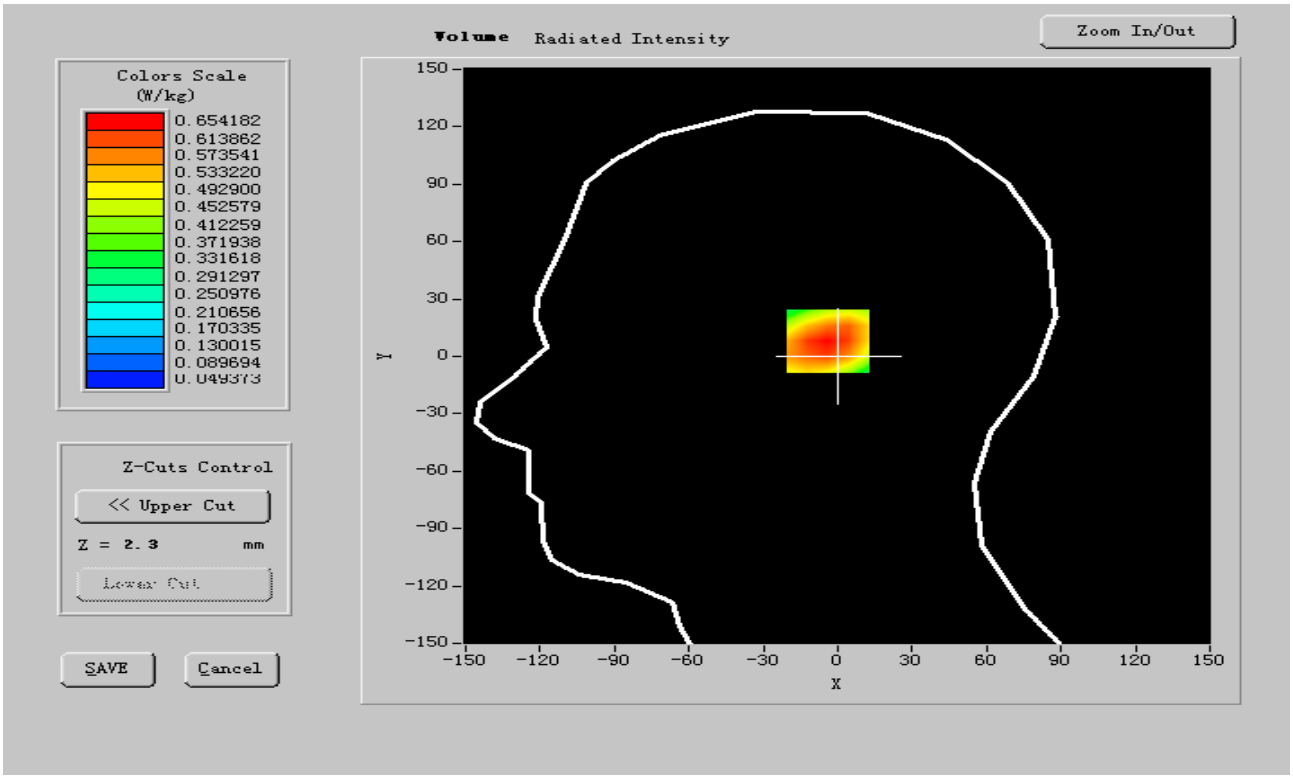
C. SAR Measurement Results

Frequency (MHz)	**836.400024**
Relative permitivity (real part)	**41.466999**
Relative permitivity (imaginary part)	**19.511101**
Conductivity (S/m)	**0.916616**
Variation (%)	**-0.110000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**20.66, 20.51, 28.36**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR



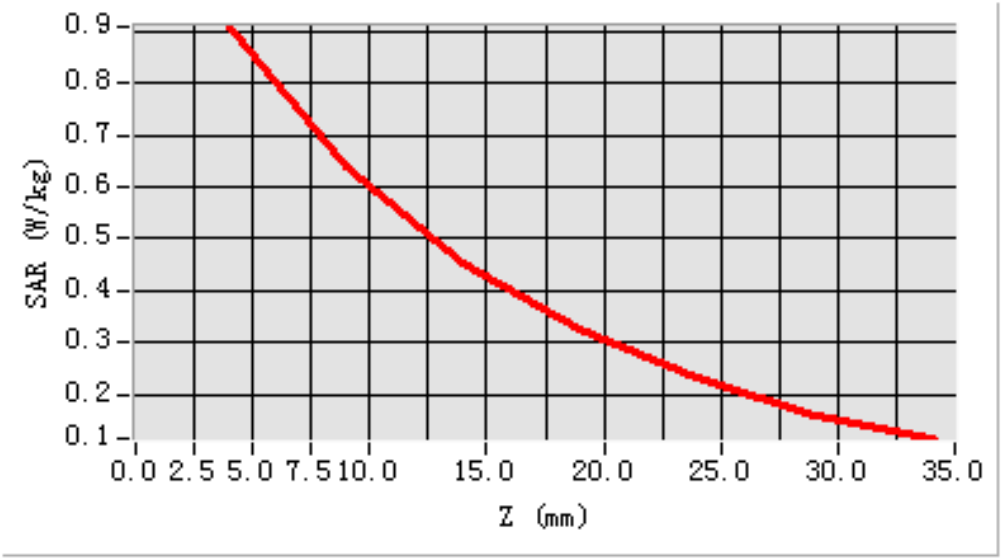
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.552534
SAR 1g (W/Kg)	0.878327

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.8683	0.5987	0.4463	0.4073	0.2345	0.1673

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



MEASUREMENT 3

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Right head
Device Position	Cheek
Band	GSM850
Channels	High
Signal	GSM

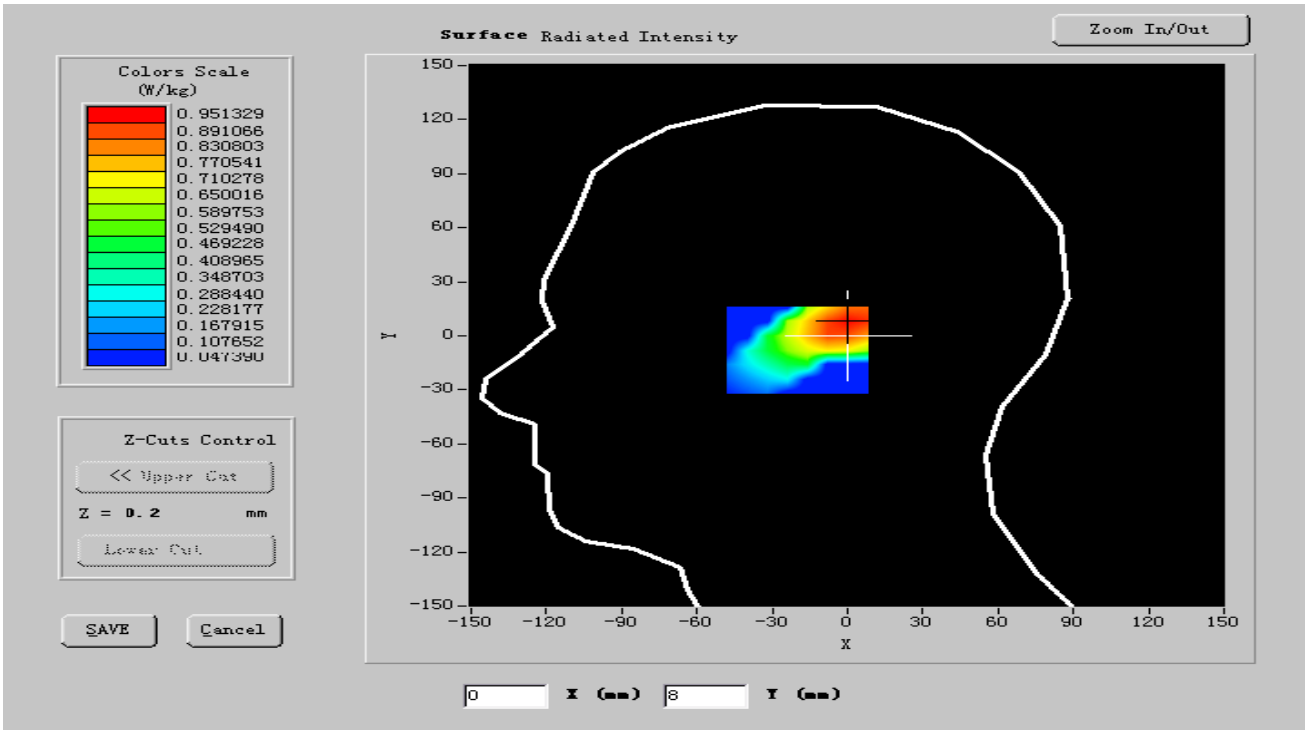
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

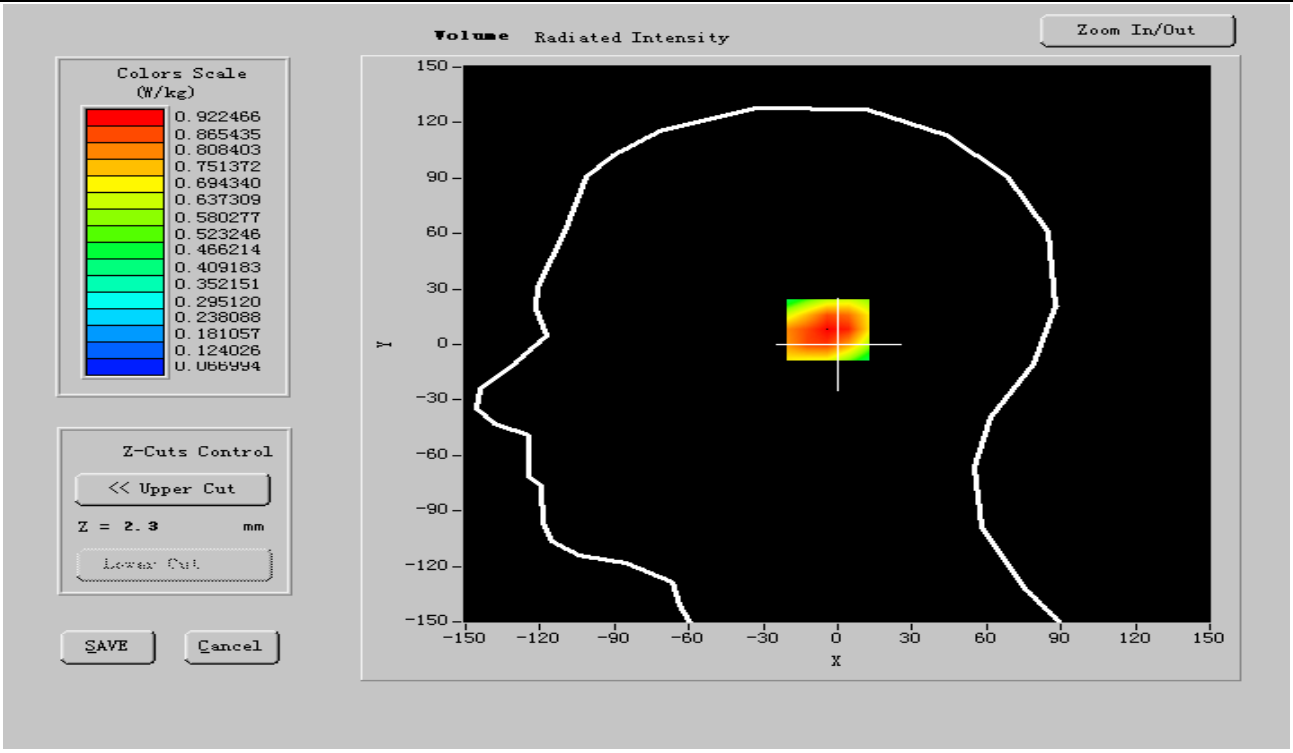
C. SAR Measurement Results

Frequency (MHz)	**848.599976**
Relative permitivity (real part)	**41.262001**
Relative permitivity (imaginary part)	**19.598200**
Conductivity (S/m)	**0.923946**
Variation (%)	**-0.110000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**20.66, 20.51, 28.36**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

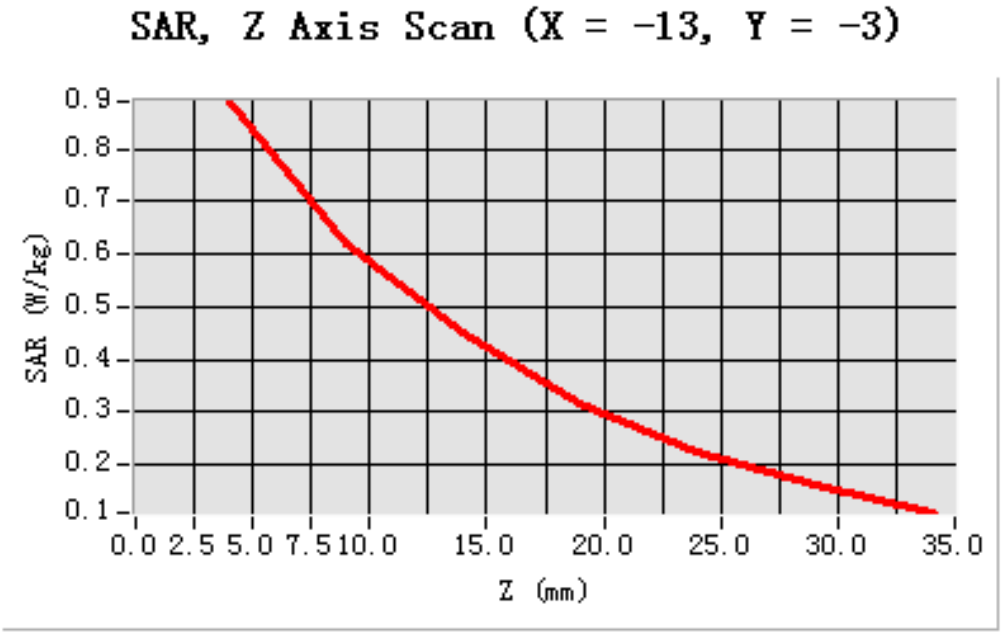


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.565611
SAR 1g (W/Kg)	0.867265

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.84446	0.58763	0.4127	0.2947	0.1987	0.1324


SAR, Z Axis Scan (X = -13, Y = -3)
SAR (W/kg)
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 4

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Right head
Device Position	Tilt
Band	GSM850
Channels	Low
Signal	GSM

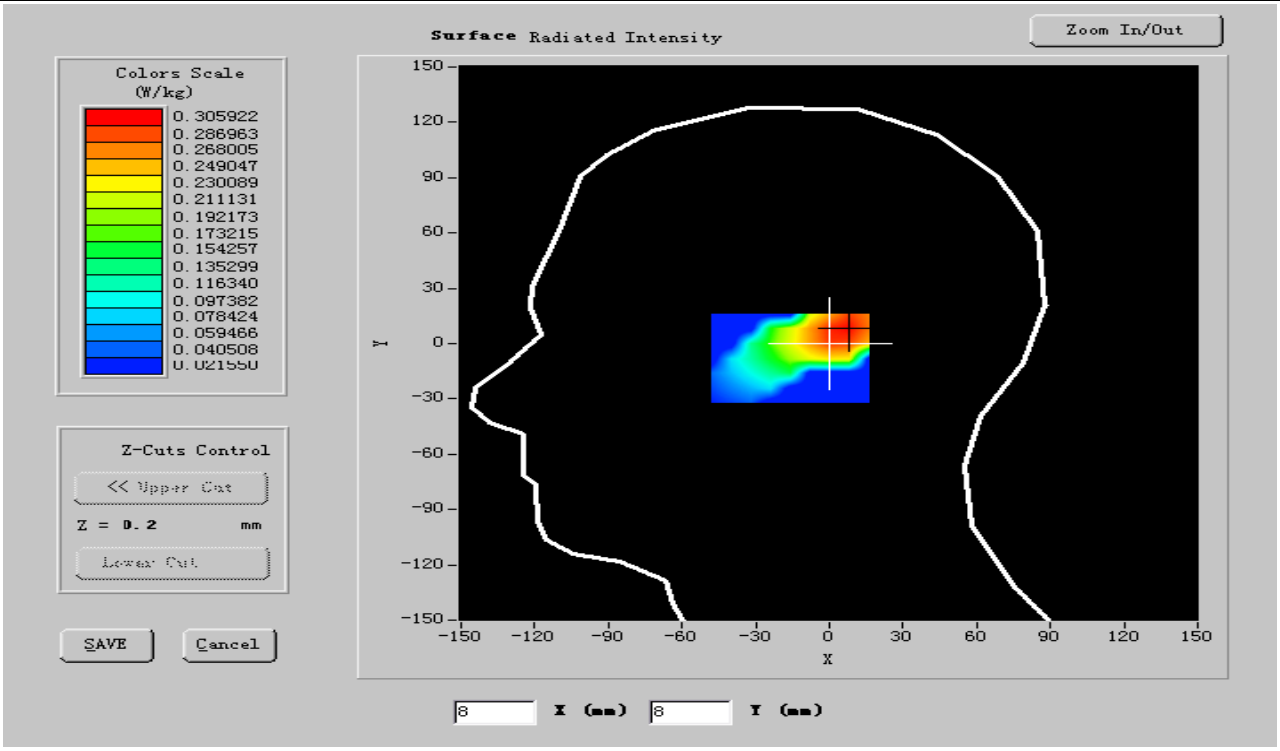
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

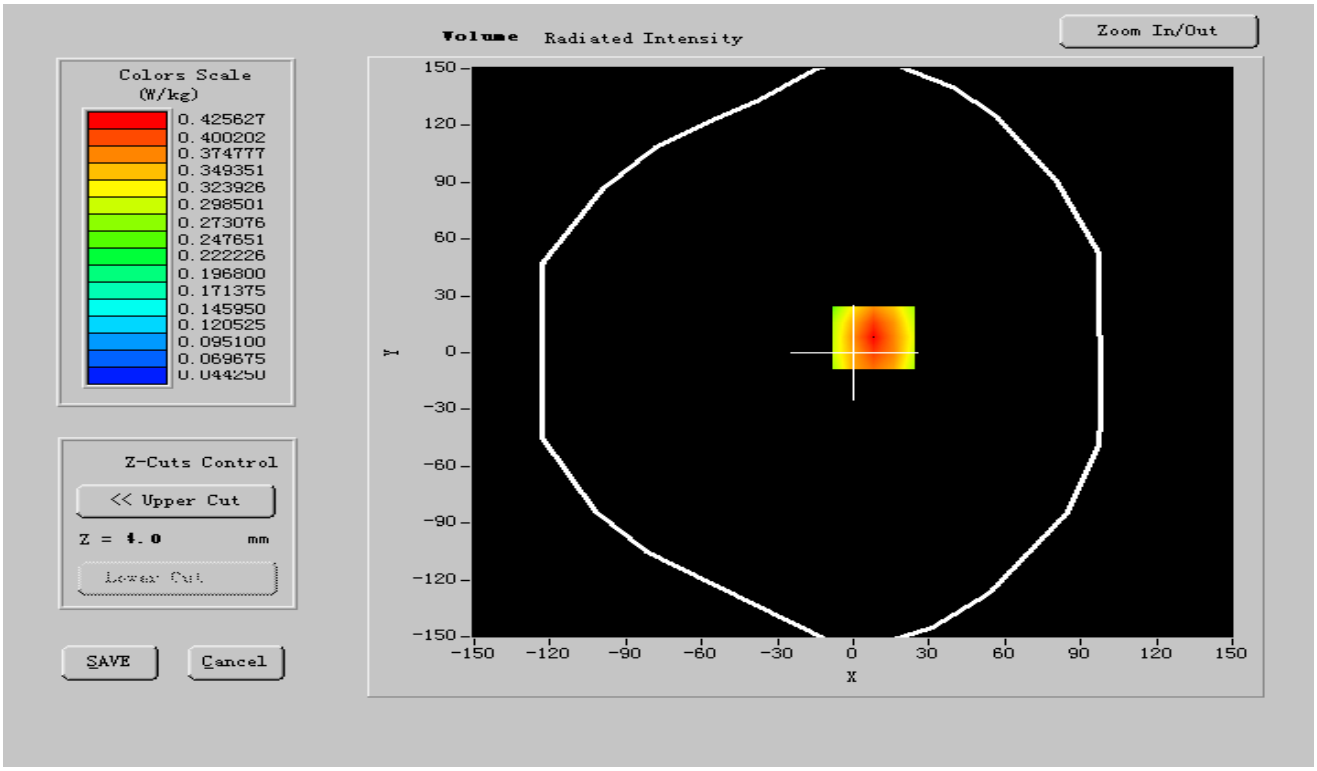
C. SAR Measurement Results

Frequency (MHz)	**824.200012**
Relative permitivity (real part)	**41.466999**
Relative permitivity (imaginary part)	**19.511101**
Conductivity (S/m)	**0.913392**
Variation (%)	**-3.070000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**20.66, 20.51, 28.36**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

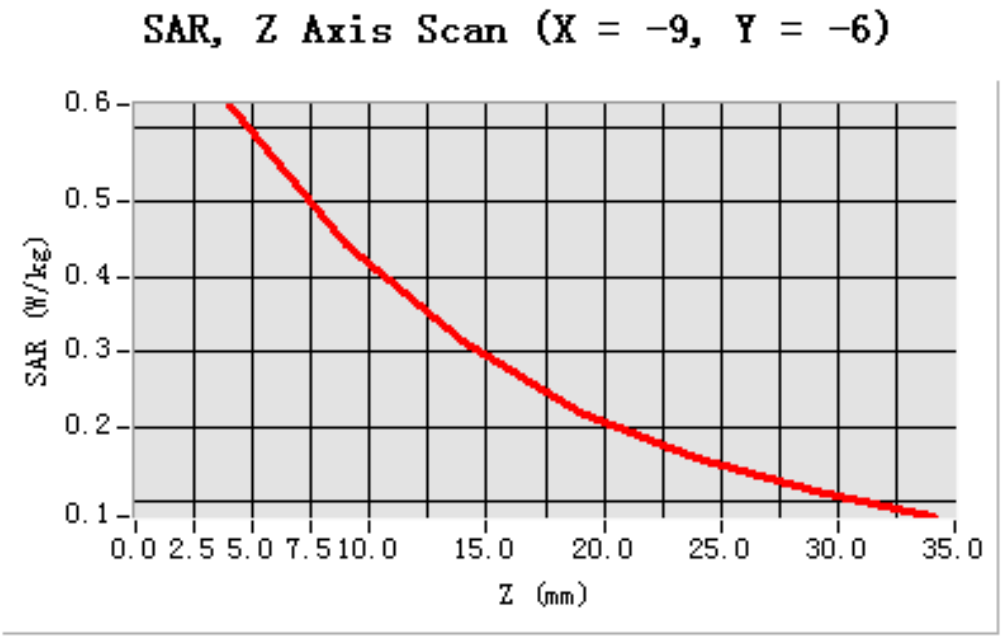


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.365720
SAR 1g (W/Kg)	0.562478

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.5756	0.4854	0.3354	0.2154	0.1911	0.0111


SAR, Z Axis Scan (X = -9, Y = -6)
SAR (W/kg)
0.6
0.5
0.4
0.3
0.2
0.1
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 5

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Right head
Device Position	Tilt
Band	GSM850
Channels	Middle
Signal	GSM

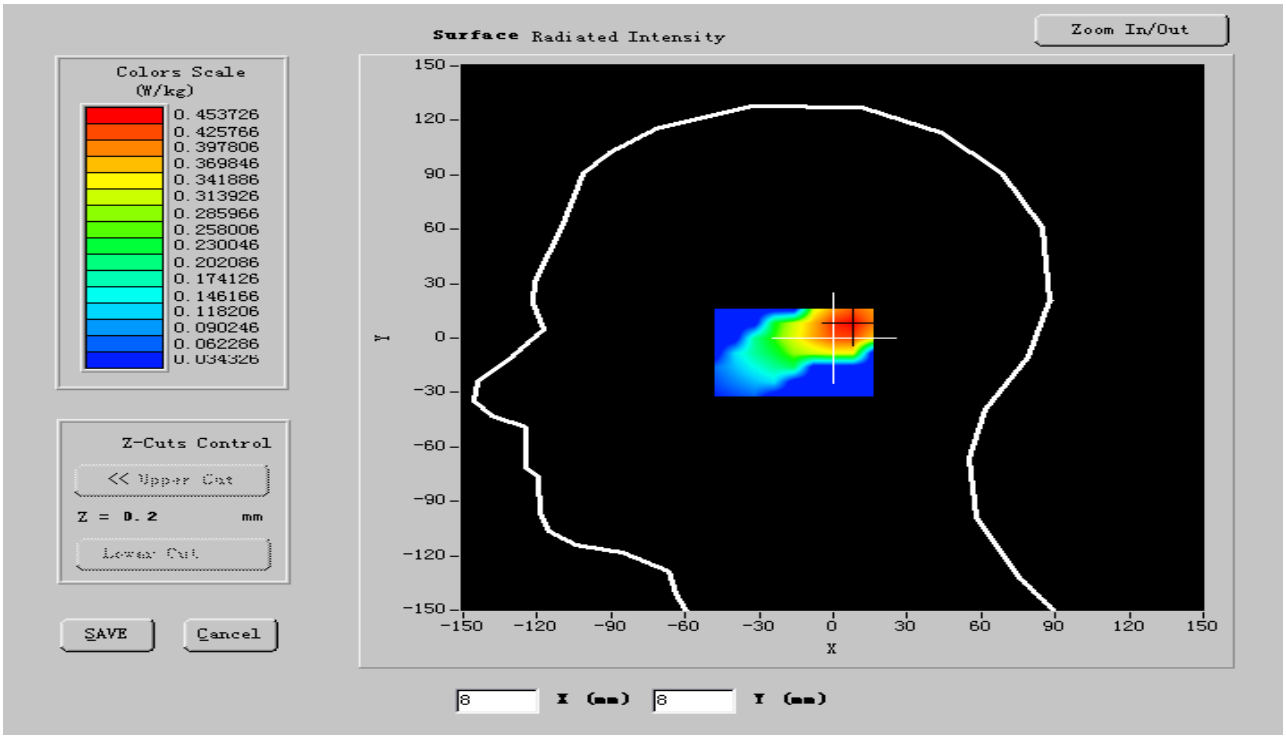
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

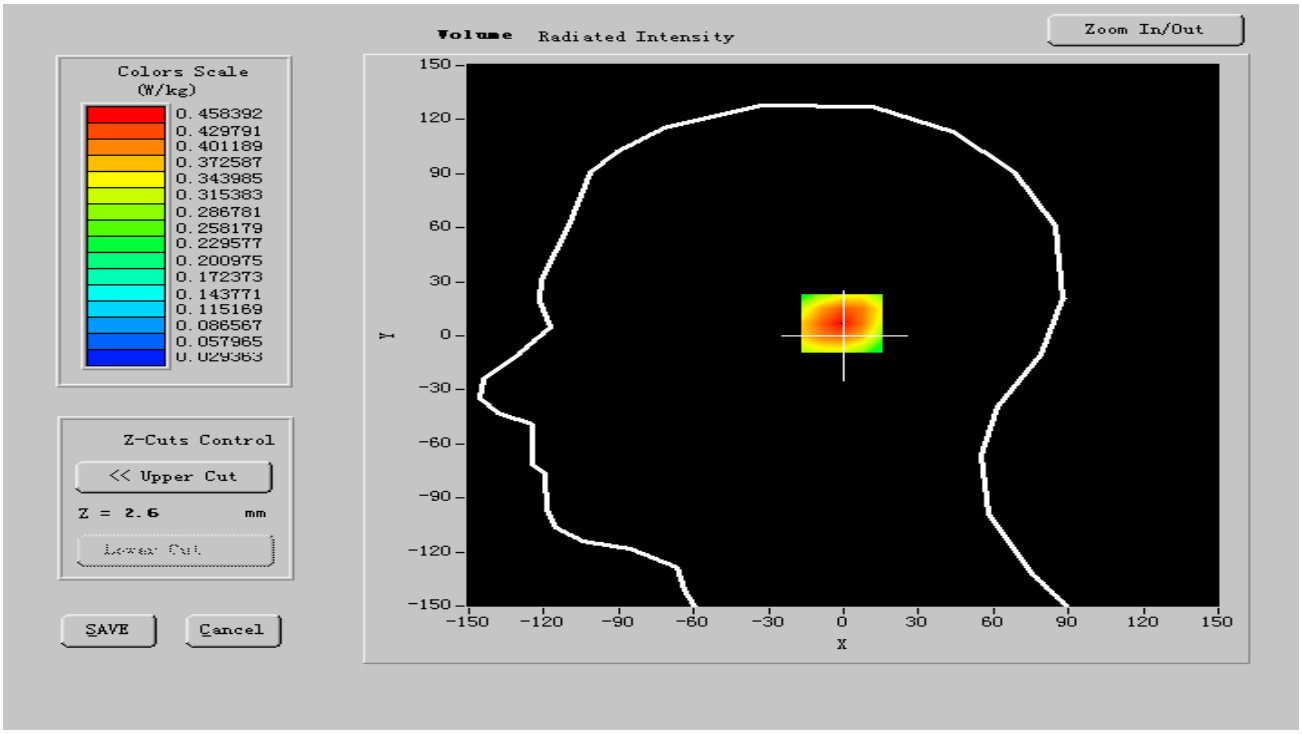
C. SAR Measurement Results

Frequency (MHz)	**836.400024**
Relative permitivity (real part)	**41.466999**
Relative permitivity (imaginary part)	**19.511101**
Conductivity (S/m)	**0.913636**
Variation (%)	**-0.880000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**20.66, 20.51, 28.36**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

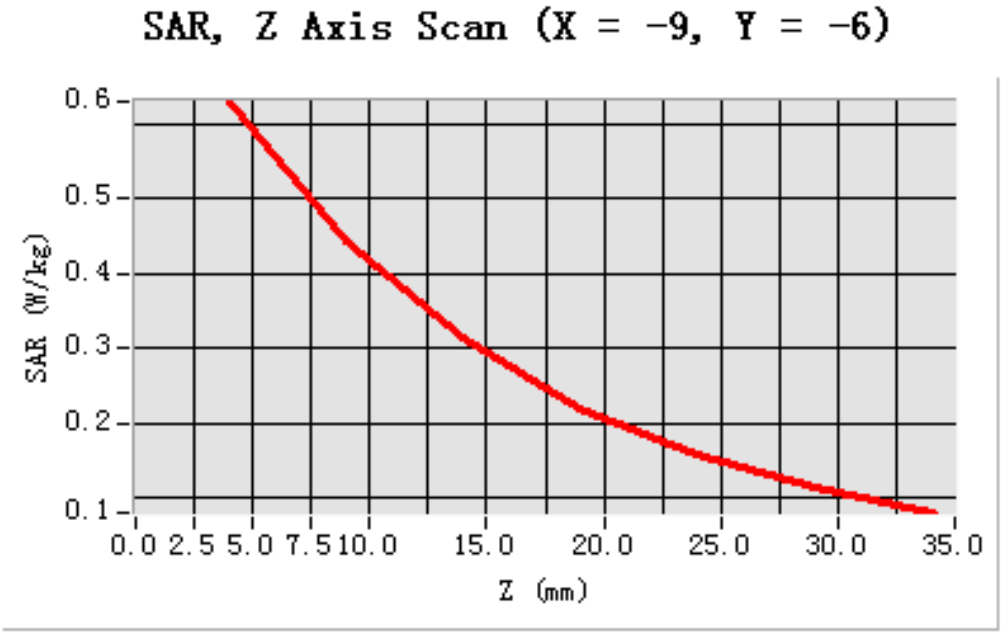


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.422308
SAR 1g (W/Kg)	0.592471

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.5929	0.4354	0.3354	0.2154	0.1611	0.0123


SAR, Z Axis Scan (X = -9, Y = -6)
SAR (W/kg)
0.6
0.5
0.4
0.3
0.2
0.1
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 6

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Right head
Device Position	Tilt
Band	GSM850
Channels	High
Signal	GSM

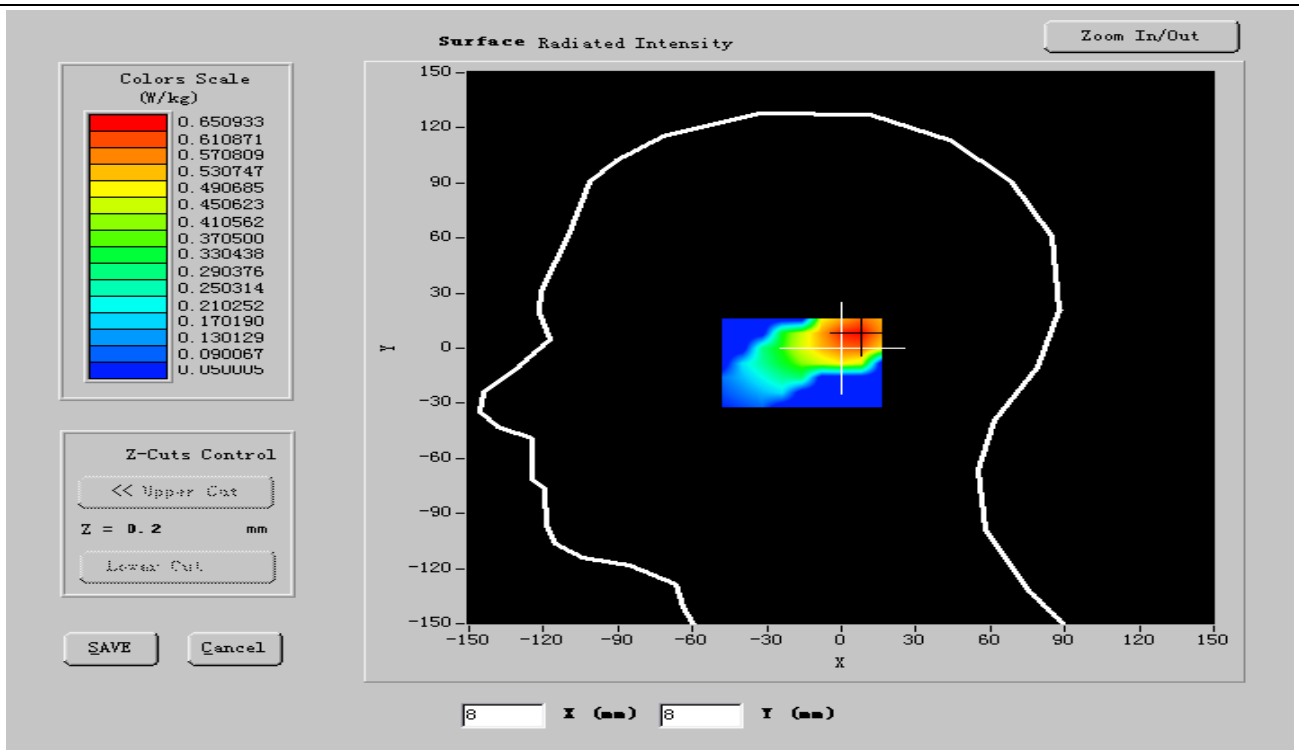
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

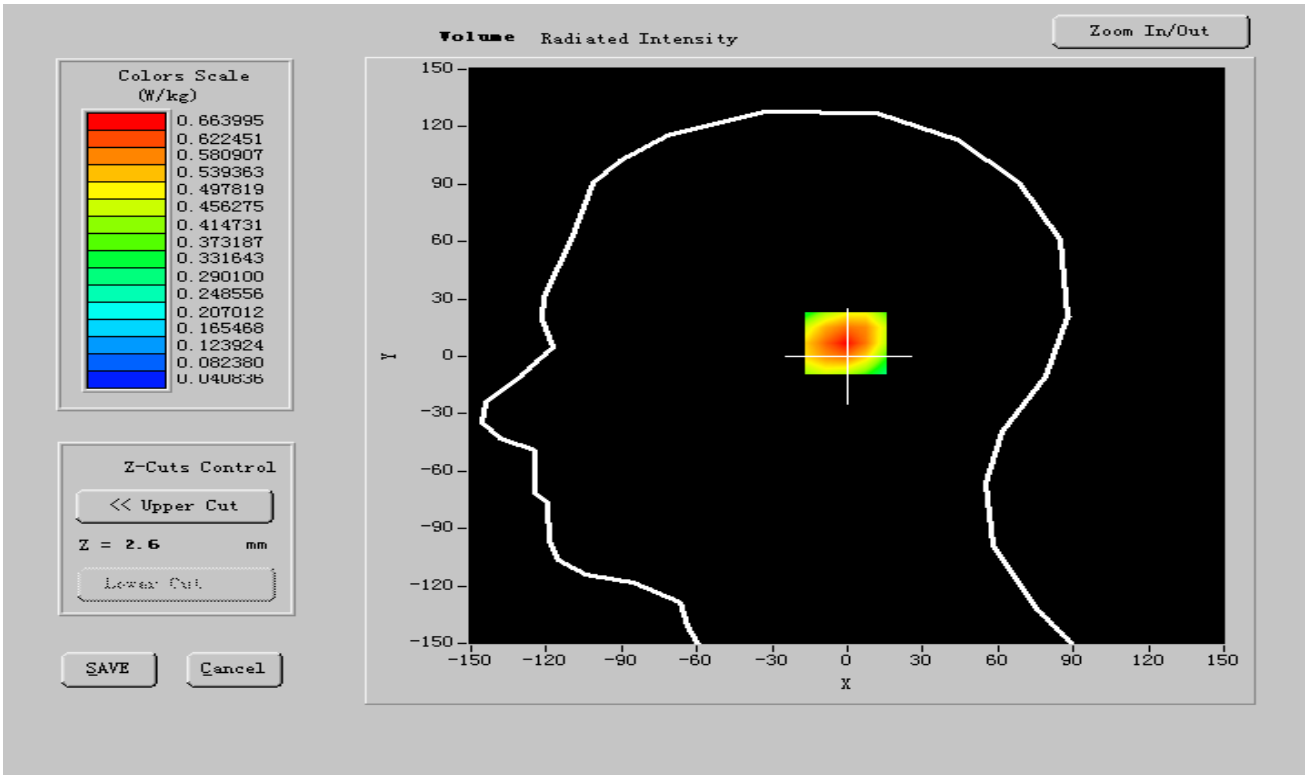
C. SAR Measurement Results

Frequency (MHz)	**848.599976**
Relative permitivity (real part)	**41.262001**
Relative permitivity (imaginary part)	**19.598200**
Conductivity (S/m)	**0.923946**
Variation (%)	**-3.070000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**20.66, 20.51, 28.36**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

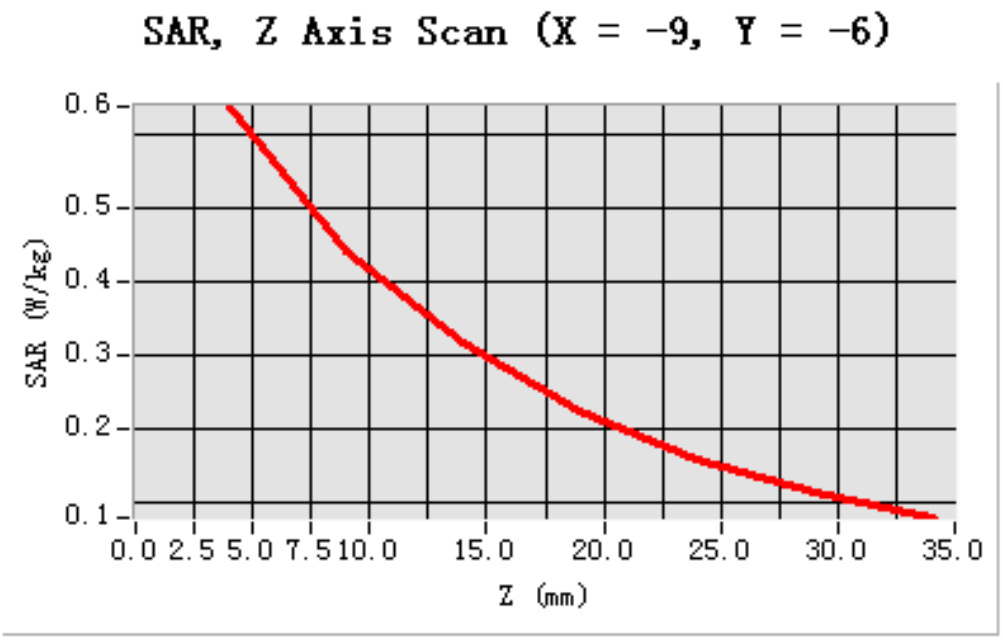


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.428641
SAR 1g (W/Kg)	0.619640

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.5994	0.4354	0.3354	0.2154	0.1611	0.1234


SAR, Z Axis Scan (X = -9, Y = -6)
SAR (W/kg)
0.6
0.5
0.4
0.3
0.2
0.1
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 7

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Left head
Device Position	Cheek
Band	GSM850
Channels	Low
Signal	GSM

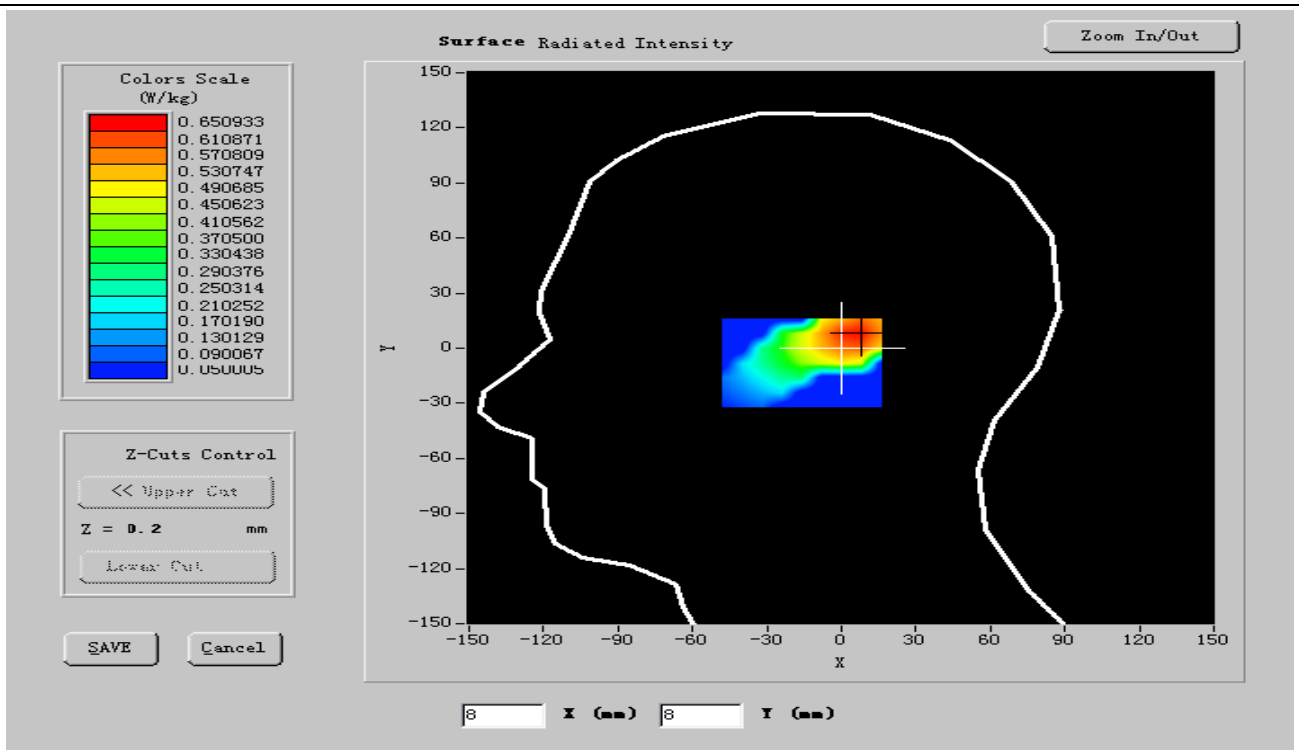
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

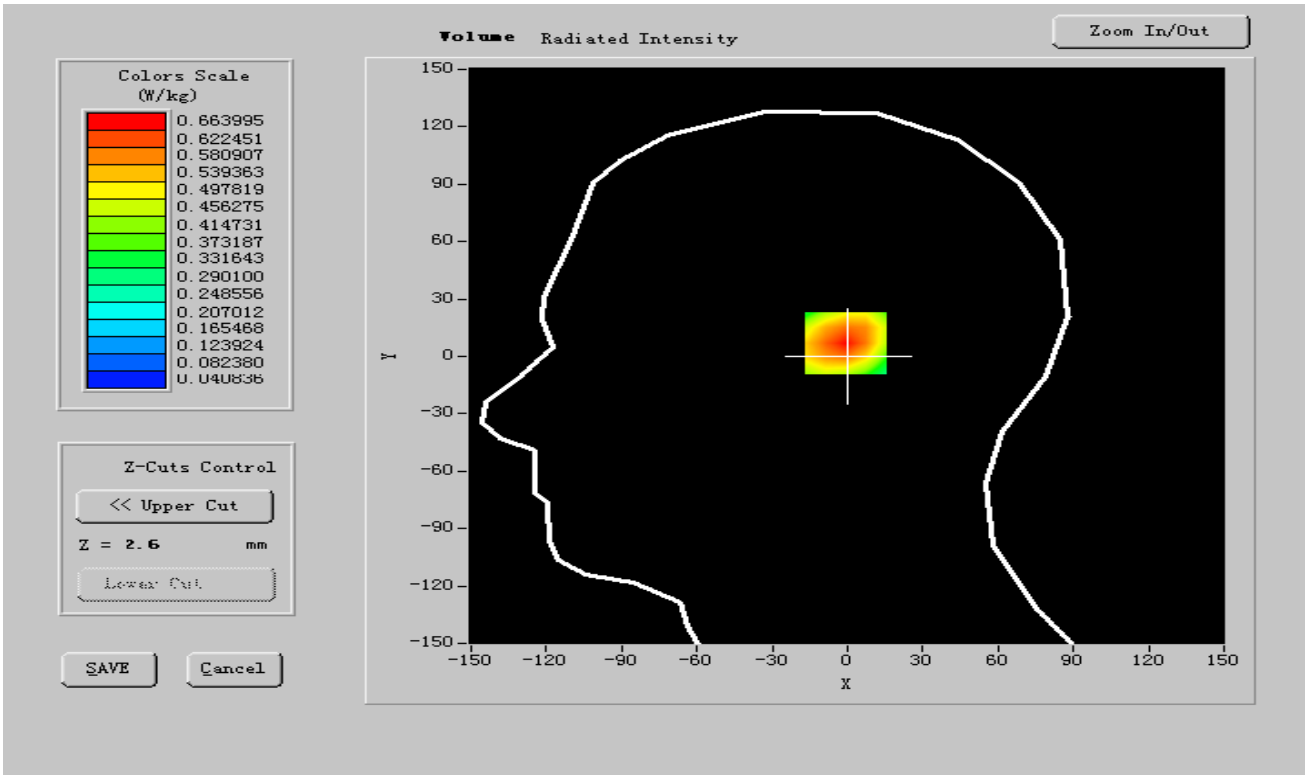
C. SAR Measurement Results

Frequency (MHz)	**824.200012**
Relative permitivity (real part)	**41.466999**
Relative permitivity (imaginary part)	**19.511101**
Conductivity (S/m)	**0.923372**
Variation (%)	**-1.240000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**20.66, 20.51, 28.36**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

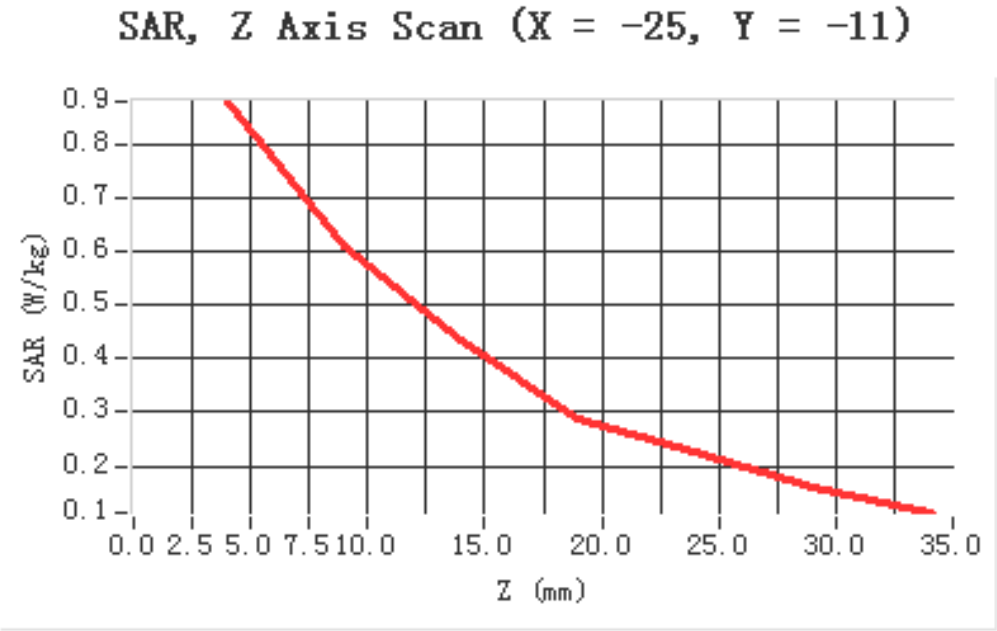


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.532701
SAR 1g (W/Kg)	0.843048

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.8390	0.5354	0.4154	0.2854	0.2111	0.1352


SAR, Z Axis Scan (X = -25, Y = -11)
SAR (W/kg)
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 8

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Left head
Device Position	Cheek
Band	GSM850
Channels	Middle
Signal	GSM

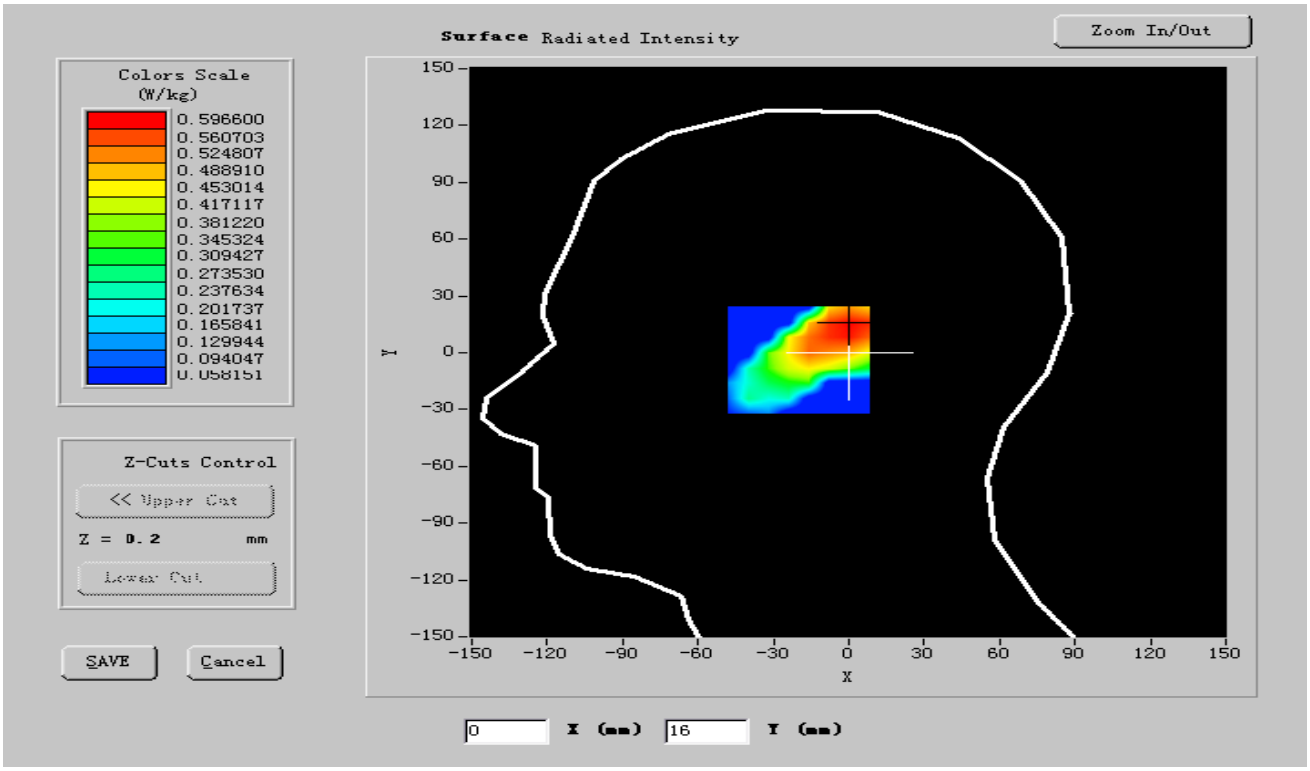
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

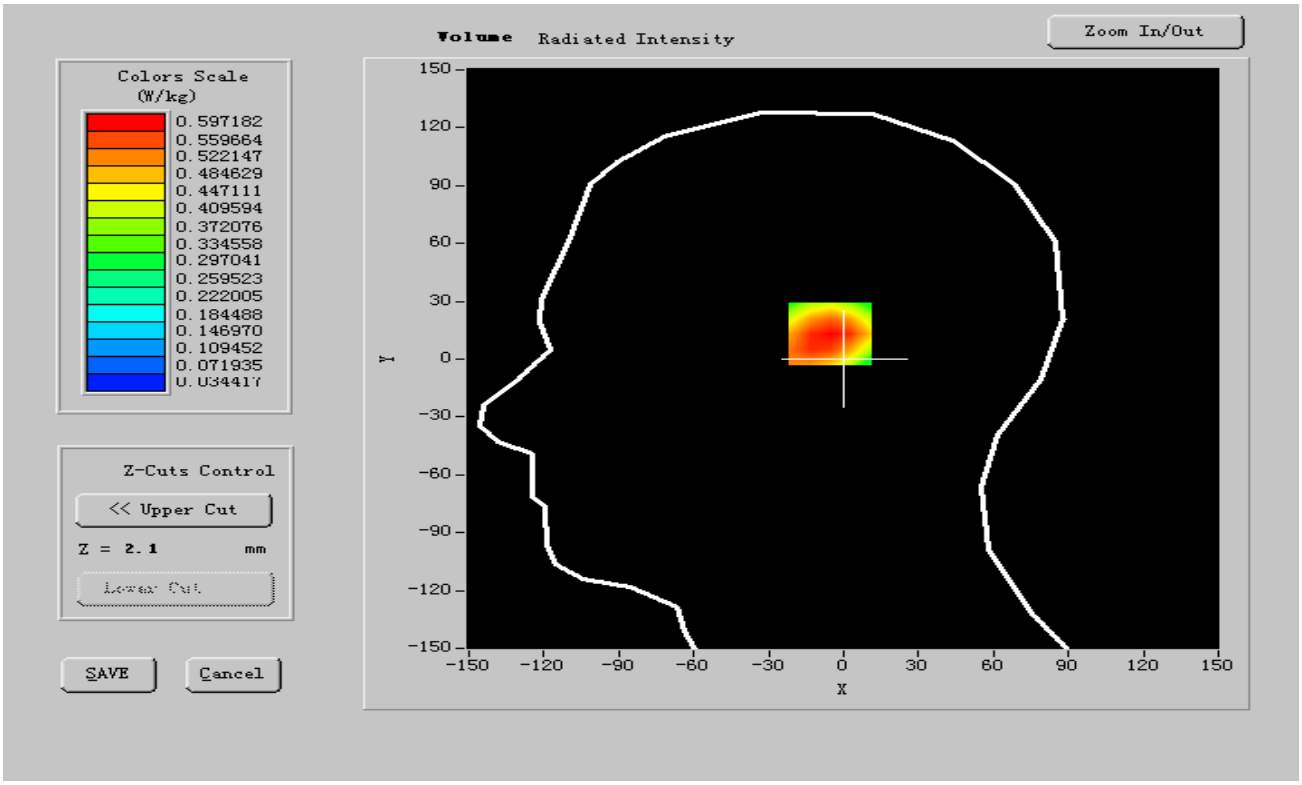
C. SAR Measurement Results

Frequency (MHz)	**836.400024**
Relative permitivity (real part)	**41.466999**
Relative permitivity (imaginary part)	**19.511101**
Conductivity (S/m)	**0.9163242**
Variation (%)	**-1.240000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**20.66, 20.51, 28.36**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

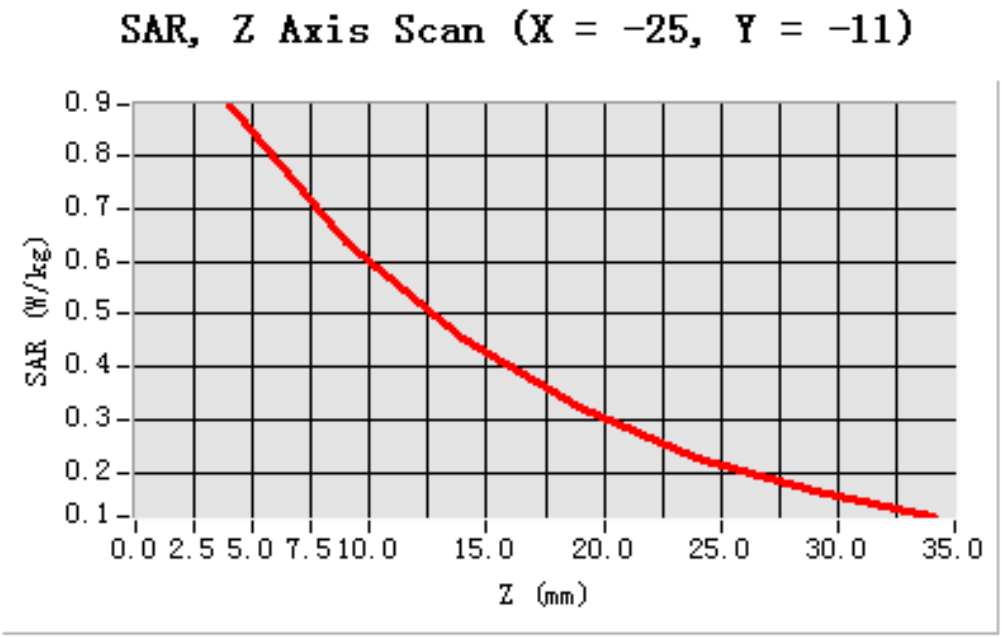


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.549653
SAR 1g (W/Kg)	0.848171

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.8507	0.5334	0.4132	0.2832	0.2132	0.1353


SAR, Z Axis Scan (X = -25, Y = -11)
SAR (W/kg)
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 9

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Left head
Device Position	Cheek
Band	GSM850
Channels	High
Signal	GSM

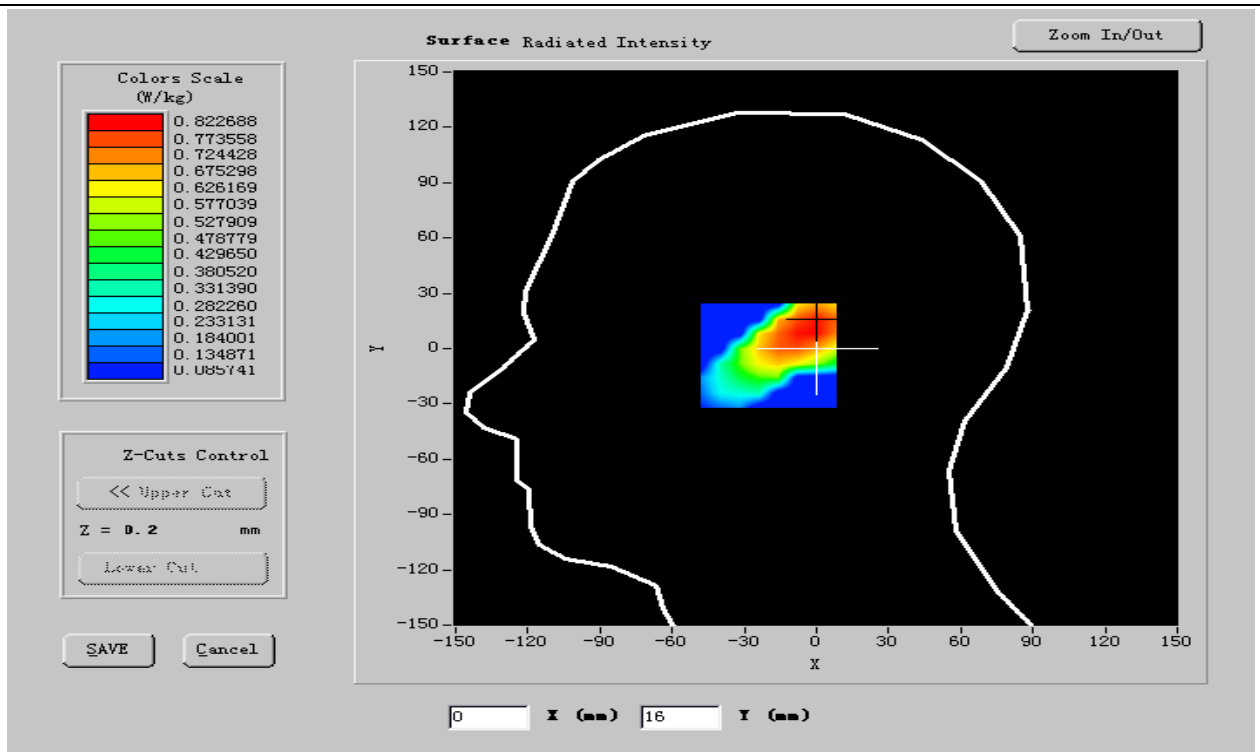
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

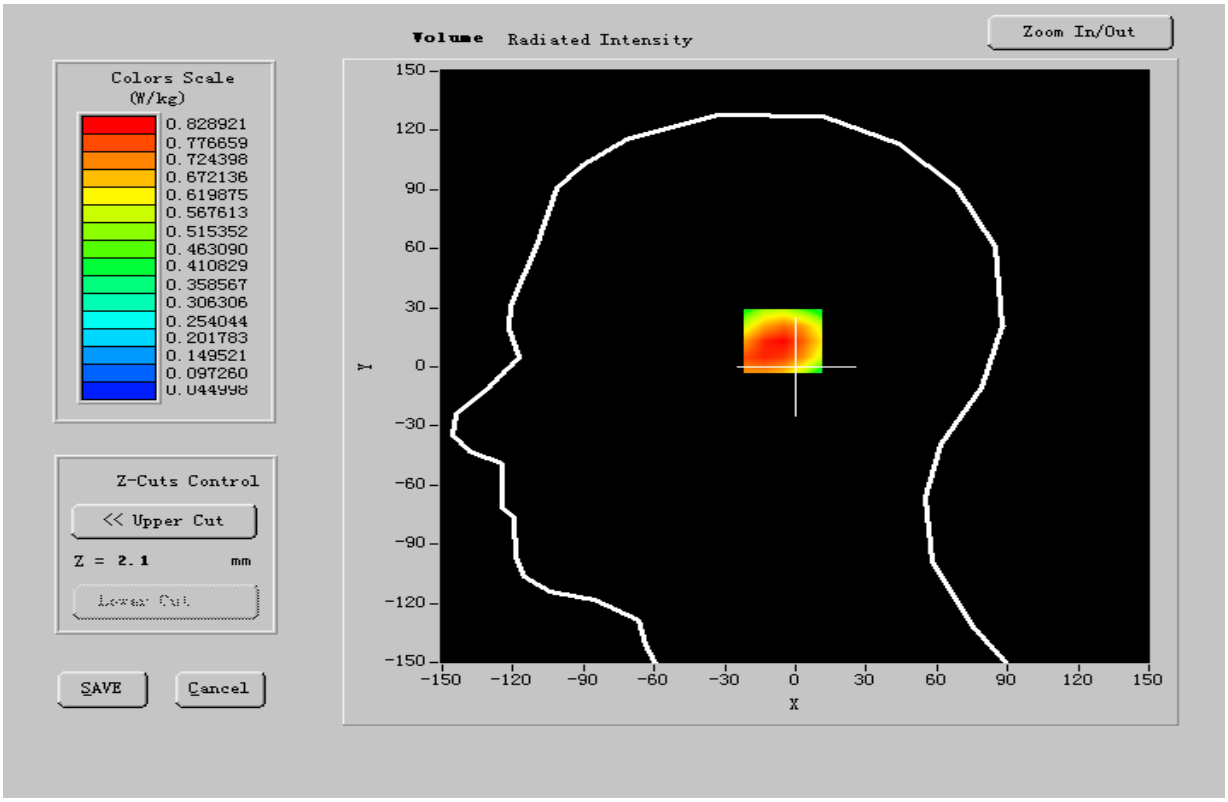
C. SAR Measurement Results

Frequency (MHz)	**848.599976**
Relative permitivity (real part)	**41.278801**
Relative permitivity (imaginary part)	**19.598200**
Conductivity (S/m)	**0.923946**
Variation (%)	**-1.200000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**20.66, 20.51, 28.36**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

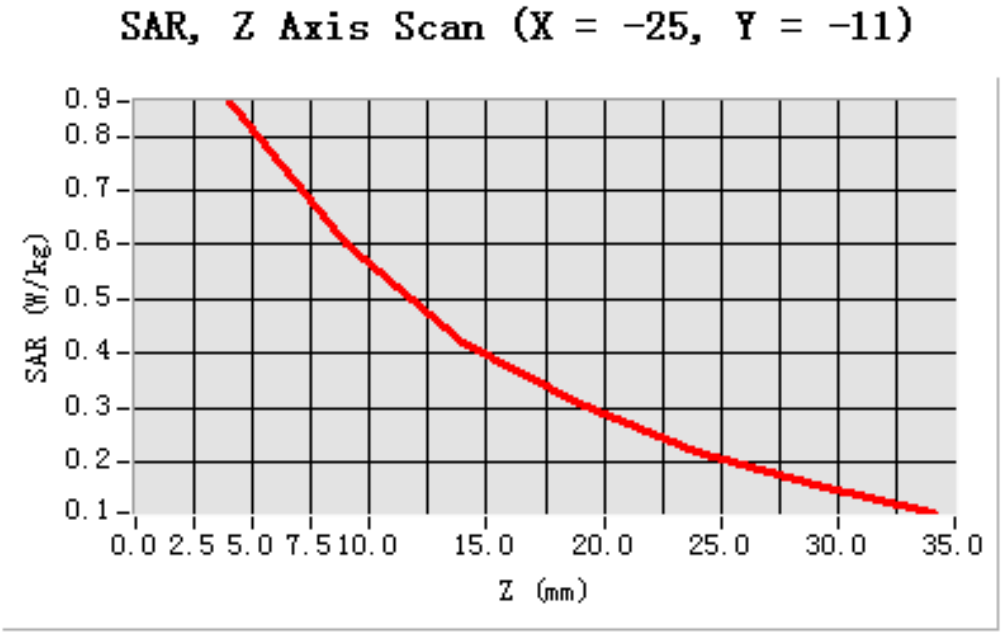


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.542453
SAR 1g (W/Kg)	0.837743

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.8129	0.5323	0.4545	0.2834	0.2132	0.1323


SAR, Z Axis Scan (X = -25, Y = -11)
SAR (W/kg)
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 10

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Left head
Device Position	Tilt
Band	GSM850
Channels	Low
Signal	GSM

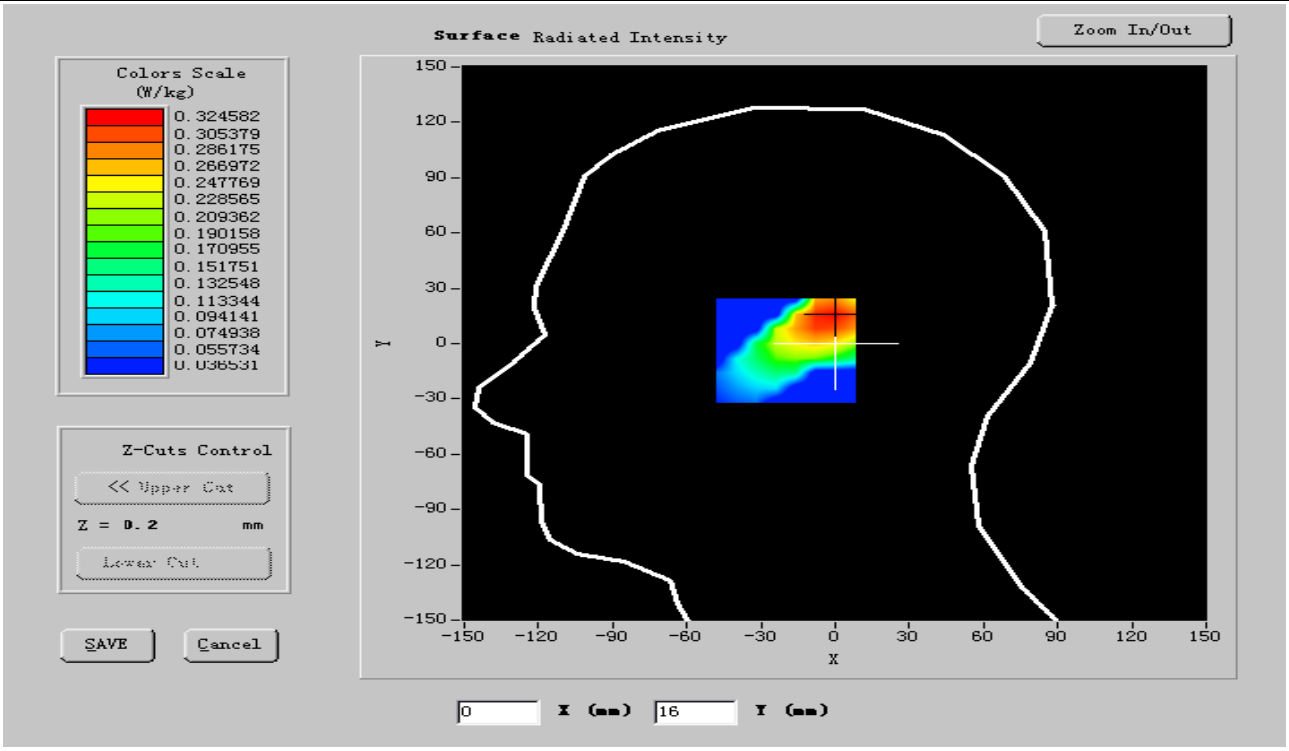
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

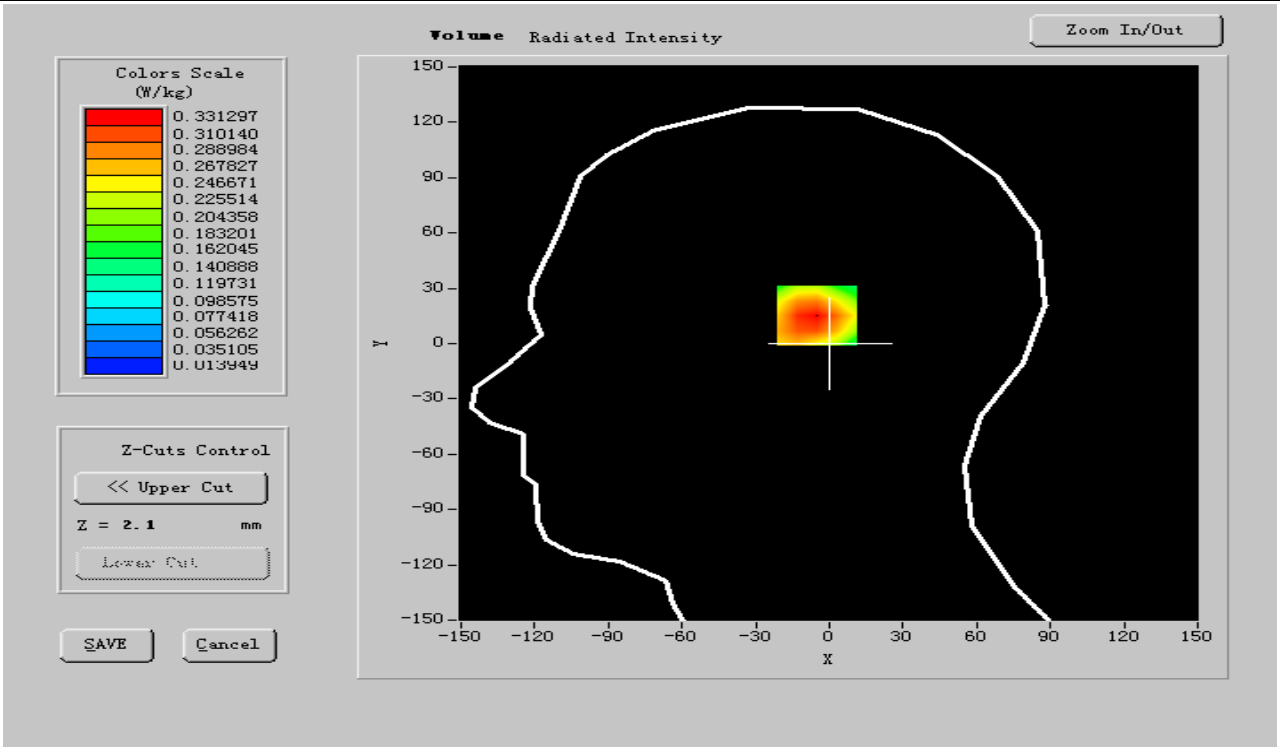
C. SAR Measurement Results

Frequency (MHz)	**824.200012**
Relative permitivity (real part)	**41.466365**
Relative permitivity (imaginary part)	**19.511101**
Conductivity (S/m)	**0.923253**
Variation (%)	**-0.170000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**20.66, 20.51, 28.36**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

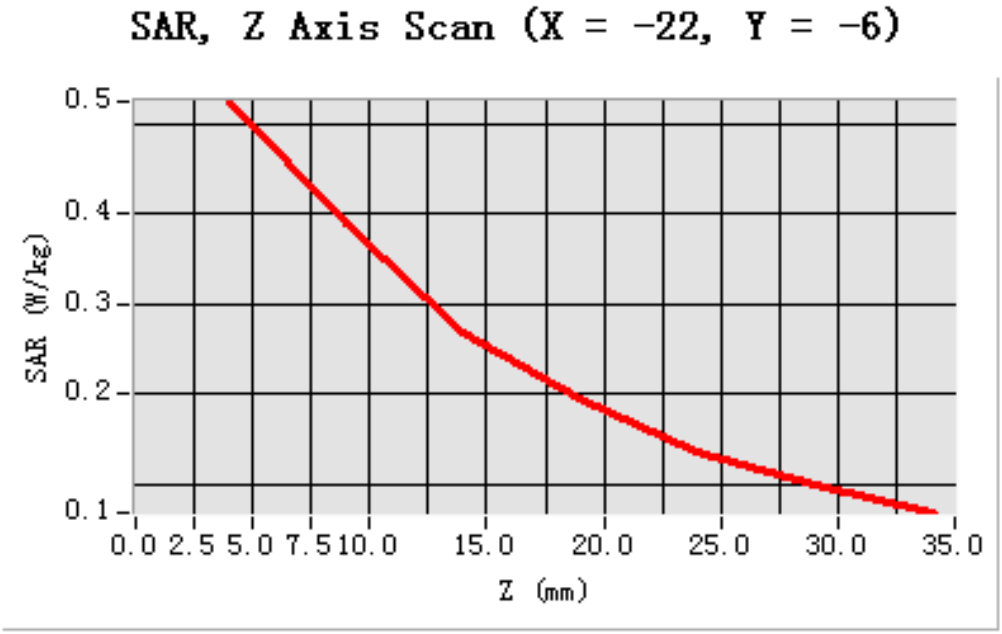


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.331285
SAR 1g (W/Kg)	0.433596

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.4918	0.5332	0.2564	0.1821	0.1443	0.1454


SAR, Z Axis Scan (X = -22, Y = -6)
SAR (W/kg)
0.5
0.4
0.3
0.2
0.1
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 11

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Left head
Device Position	Tilt
Band	GSM850
Channels	Middle
Signal	GSM

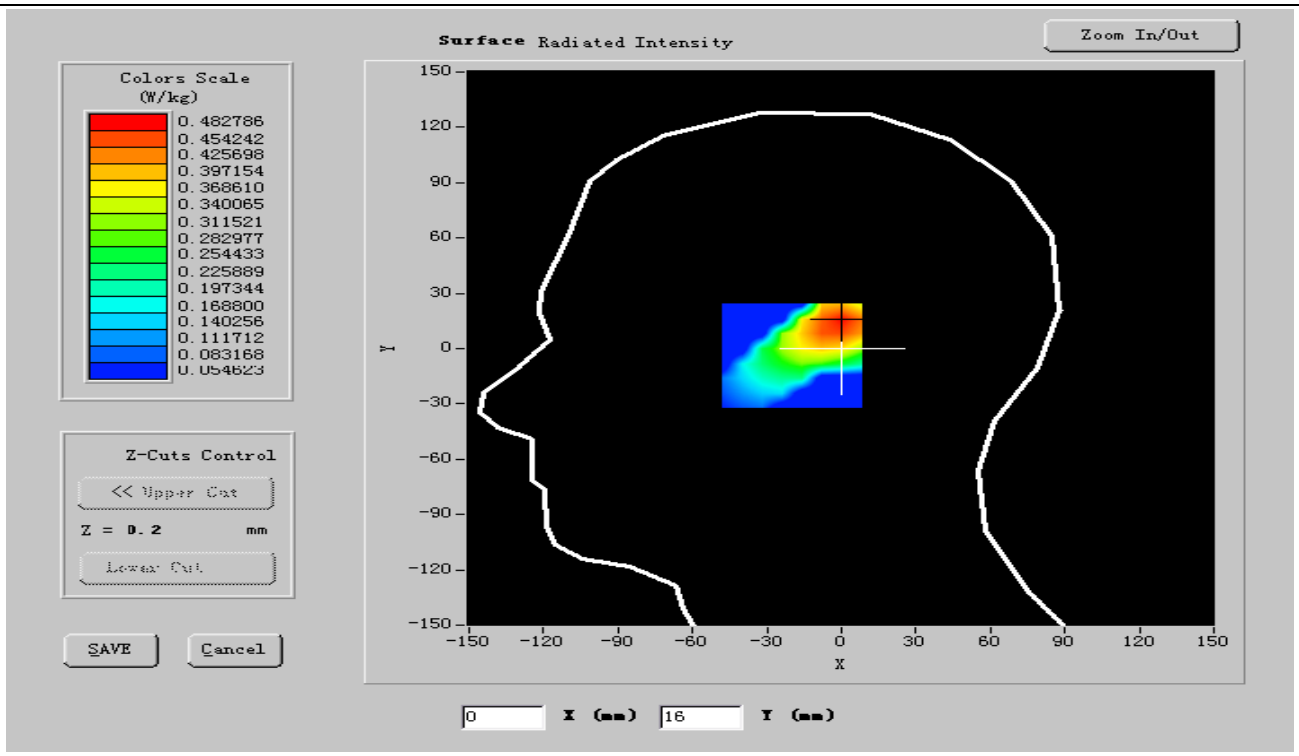
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

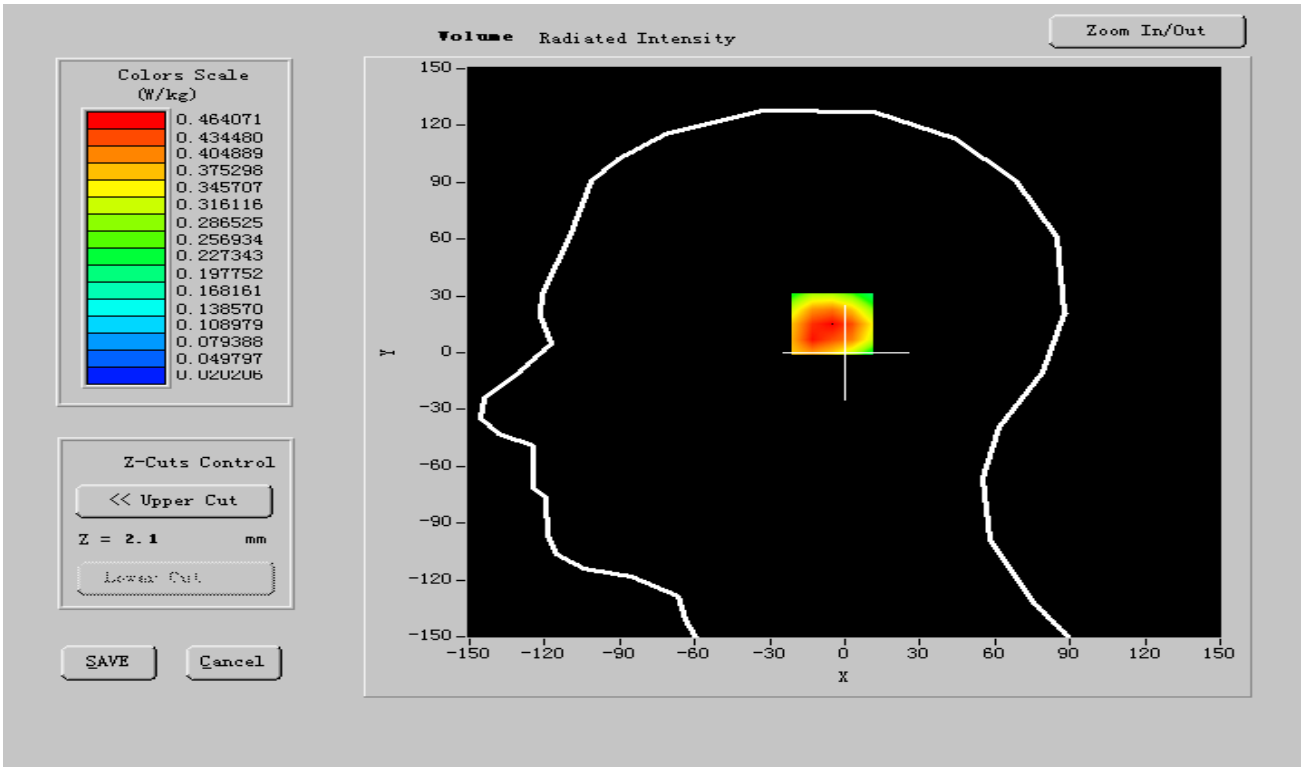
C. SAR Measurement Results

Frequency (MHz)	**836.400024**
Relative permitivity (real part)	**41.467953**
Relative permitivity (imaginary part)	**19.511101**
Conductivity (S/m)	**0.916214**
Variation (%)	**-1.170000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**20.66, 20.51, 28.36**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

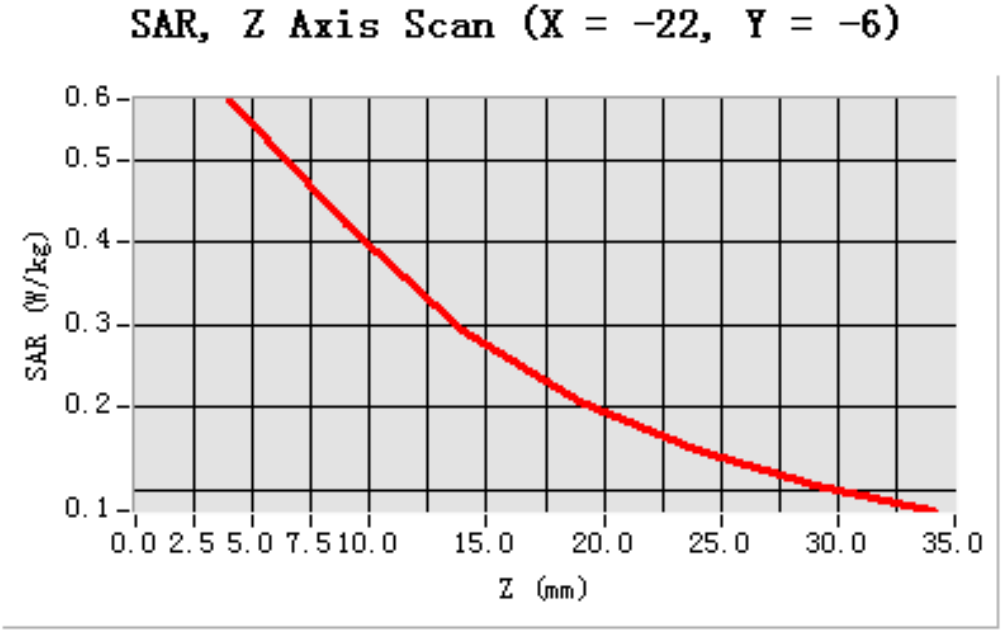


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.373401
SAR 1g (W/Kg)	0.579234

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.5533	0.4132	0.2964	0.2021	0.1643	0.1154


SAR, Z Axis Scan (X = -22, Y = -6)
SAR (W/kg)
0.6
0.5
0.4
0.3
0.2
0.1
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 12

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Left head
Device Position	Tilt
Band	GSM850
Channels	High
Signal	GSM

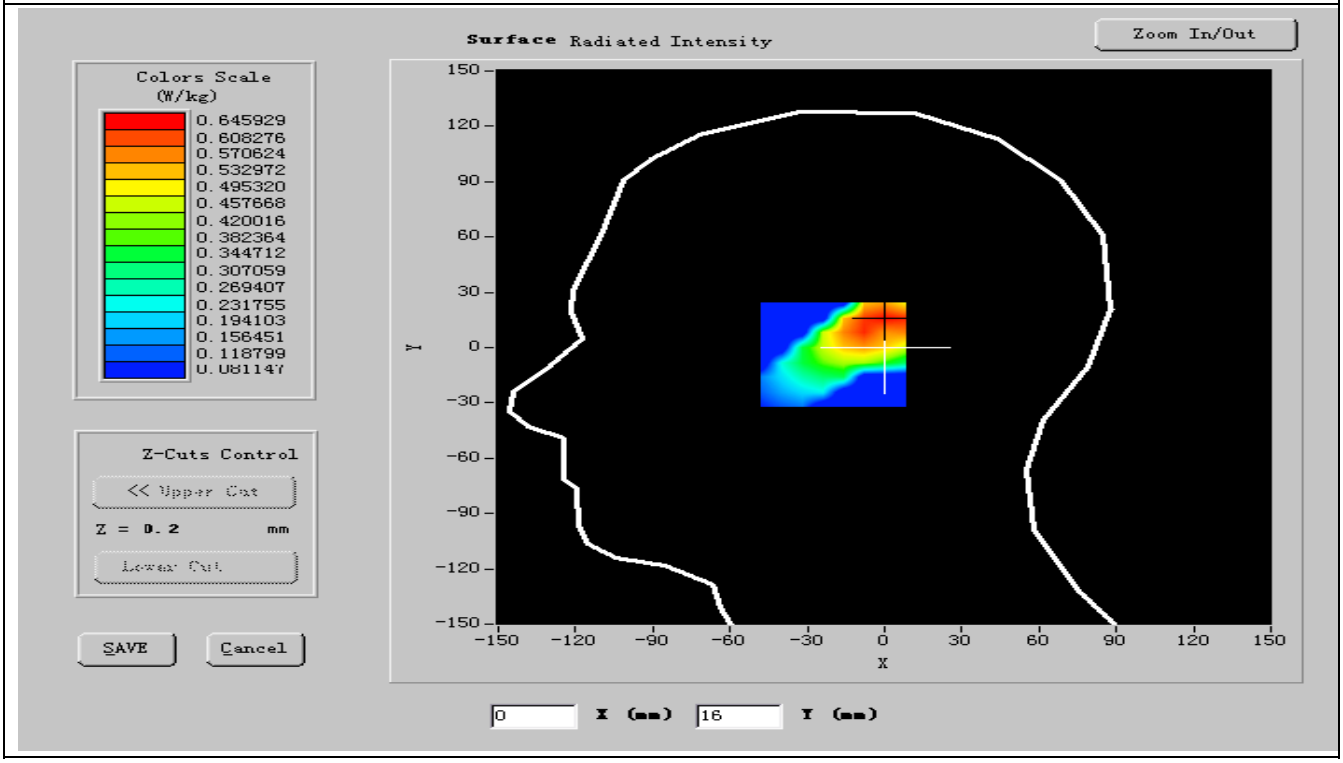
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

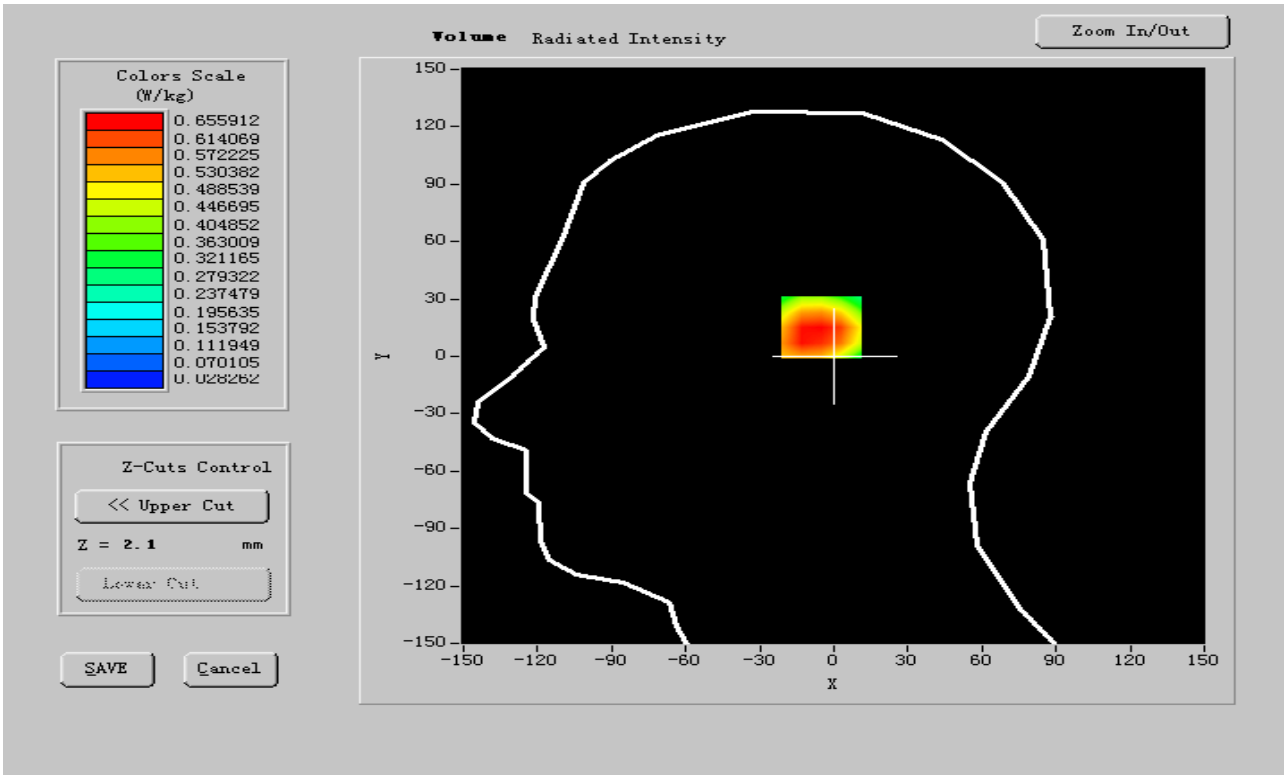
C. SAR Measurement Results

Frequency (MHz)	**848.599976**
Relative permitivity (real part)	**41.262023**
Relative permitivity (imaginary part)	**19.598200**
Conductivity (S/m)	**0.923946**
Variation (%)	**-1.000000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**20.66, 20.51, 28.36**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

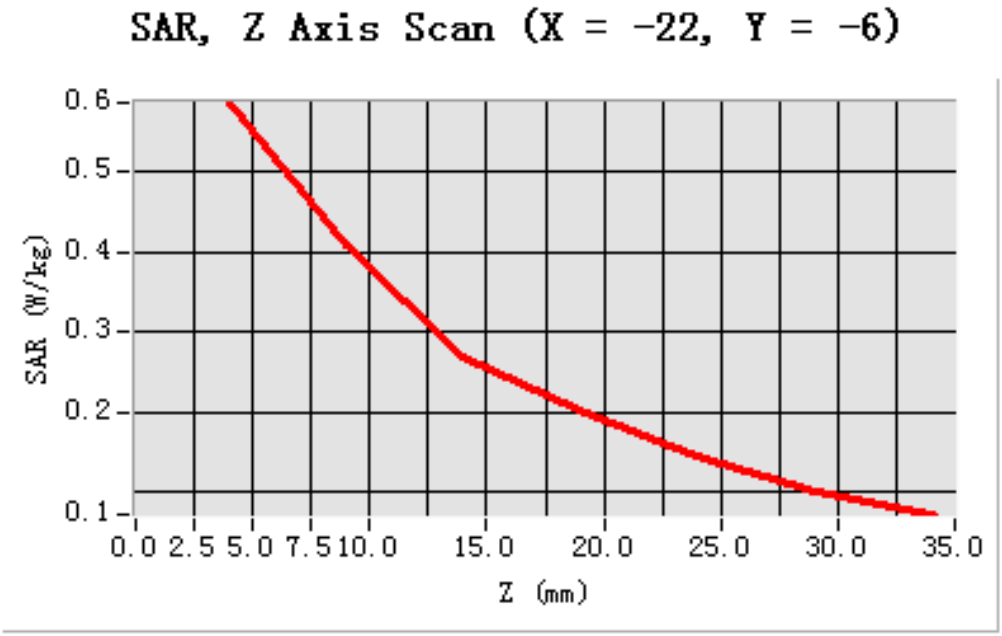


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.362348
SAR 1g (W/Kg)	0.556432

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.5510	0.4142	0.2664	0.2020	0.1543	0.1054


SAR, Z Axis Scan (X = -22, Y = -6)
SAR (W/kg)
0.6
0.5
0.4
0.3
0.2
0.1
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 13

Date of measurement: 13/10/2010

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.

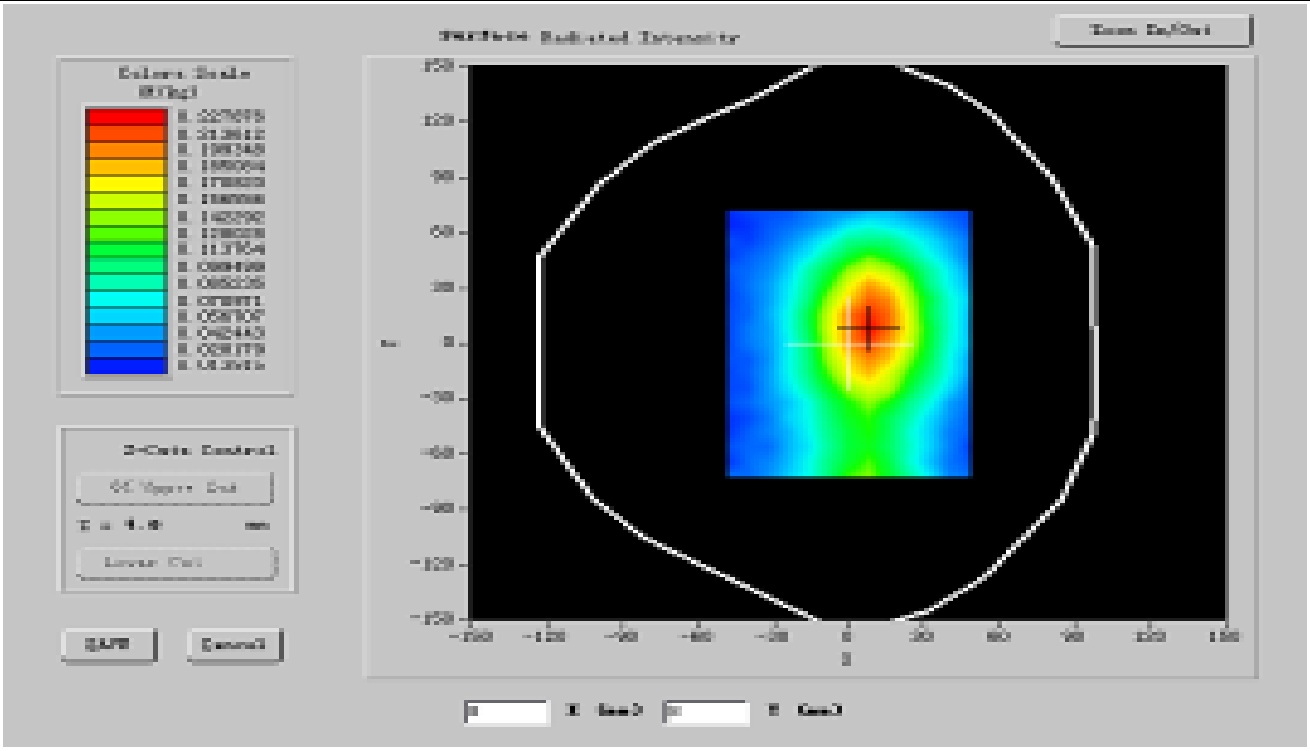
Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Body
Device Position	FrontSide toward phantom
Band	GSM850
Channels	Low
Signal	GSM

B. Instrumentations.

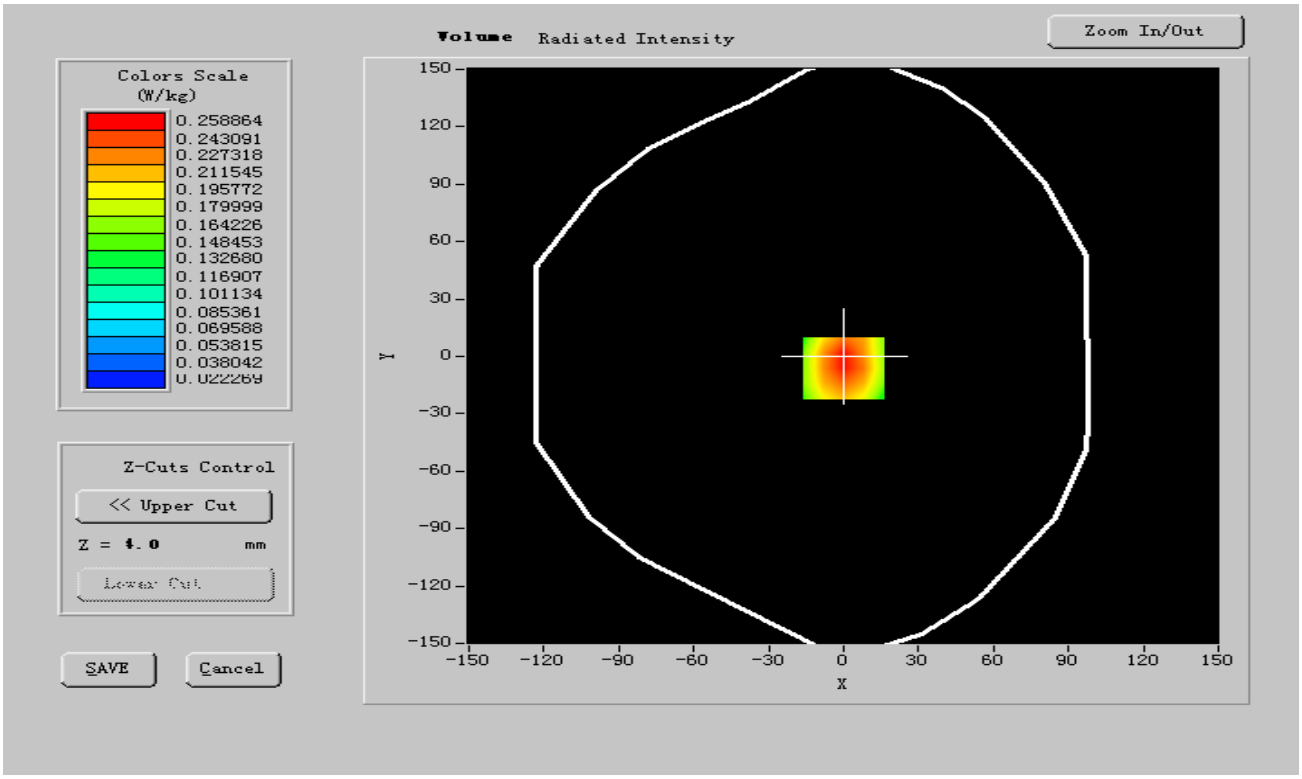
PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

C. SAR Measurement Results

Frequency (MHz)	**824.200012**
Relative permitivity (real part)	**56.514000**
Relative permitivity (imaginary part)	**21.654150**
Conductivity (S/m)	**0.984519**
Variation (%)	**-2.120000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**20.00, 19.88, 27.77**
Crest factor：	**1:8**
SURFACE SAR	



VOLUME SAR

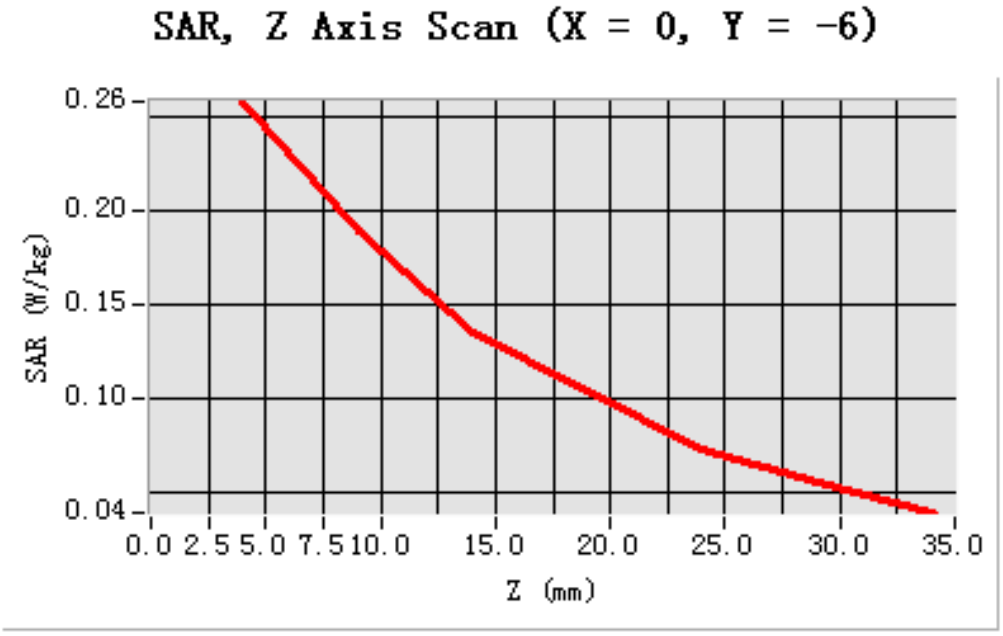


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.169431
SAR 1g (W/Kg)	0.259721

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.2512	0.1242	0.1464	0.1020	0.0631	0.0454


SAR, Z Axis Scan (X = 0, Y = -6)
SAR (W/kg)
0.26
0.20
0.15
0.10
0.04
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 14

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Body
Device Position	FrontSide toward phantom
Band	GSM850
Channels	Middle
Signal	GSM

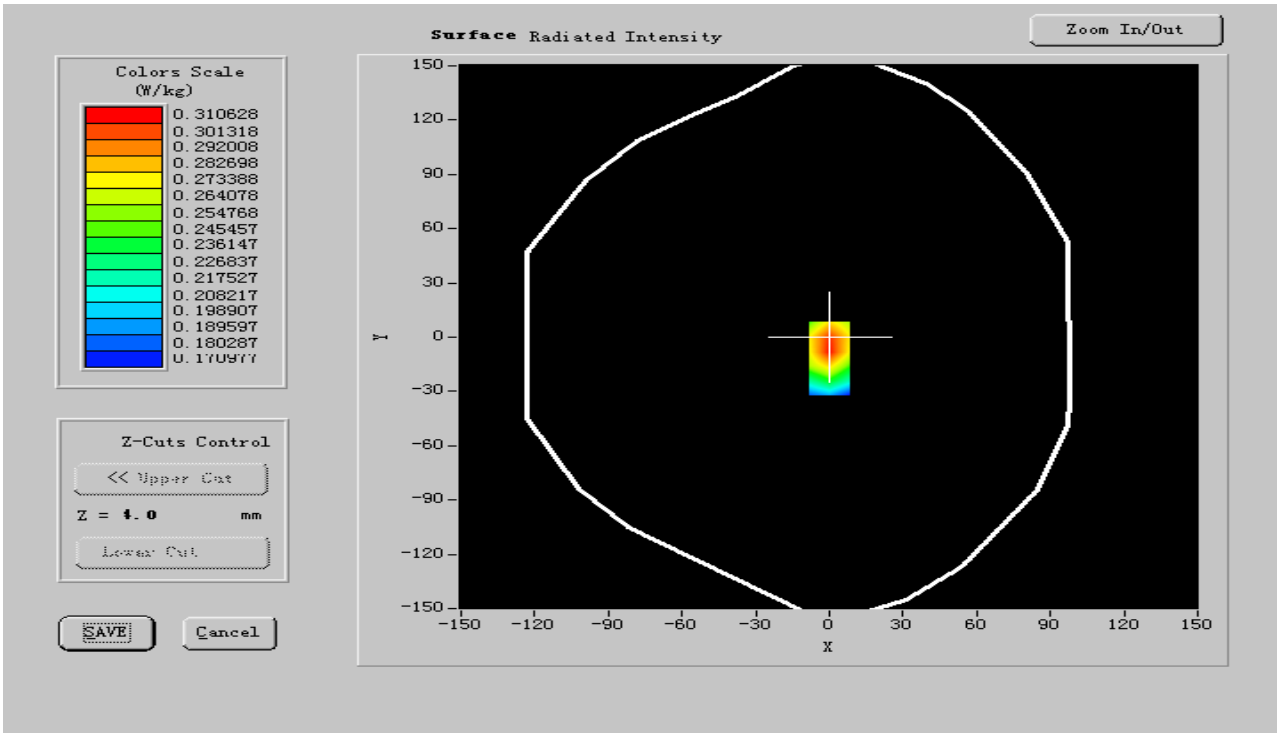
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

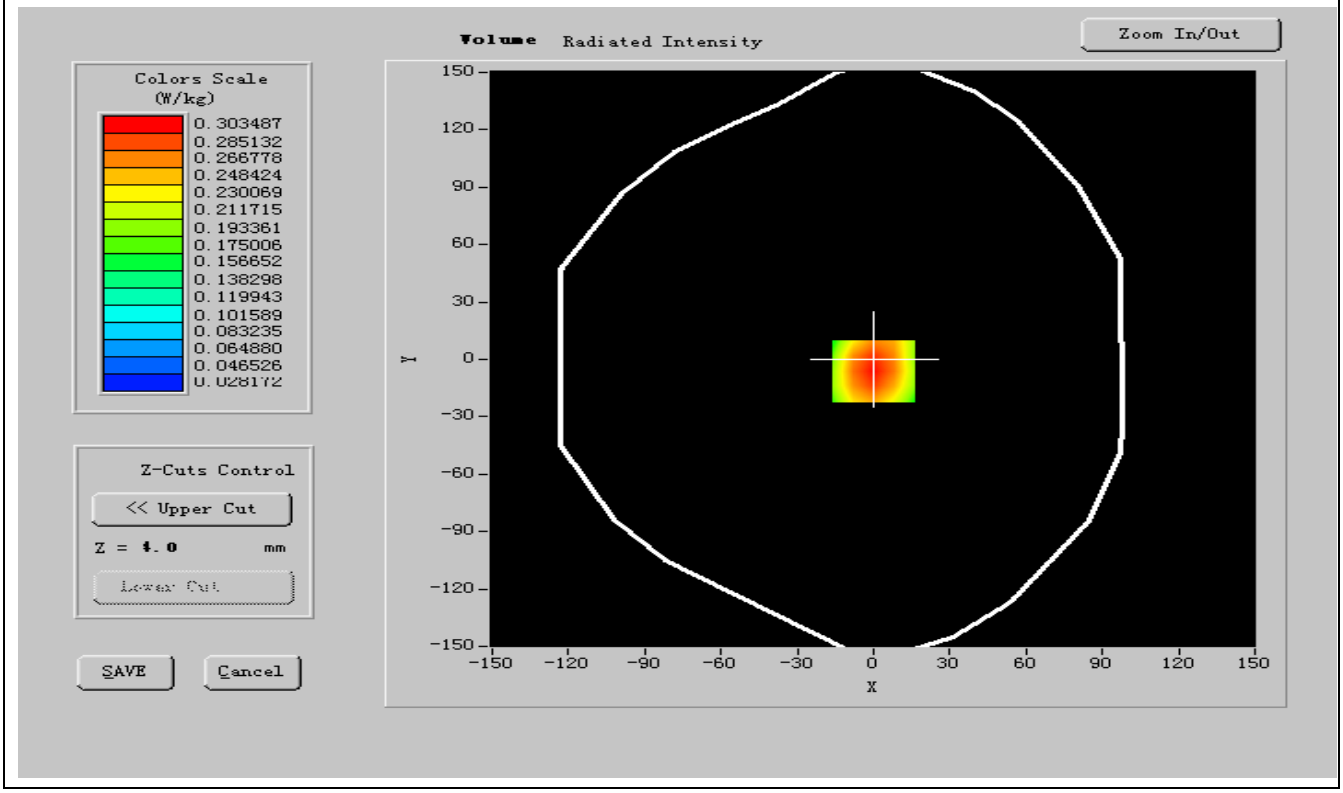
C. SAR Measurement Results

Frequency (MHz)	**836.400024**
Relative permitivity (real part)	**56.501935**
Relative permitivity (imaginary part)	**21.866249**
Conductivity (S/m)	**0.986052**
Variation (%)	**-2.120000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**20.00, 19.88, 27.77**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

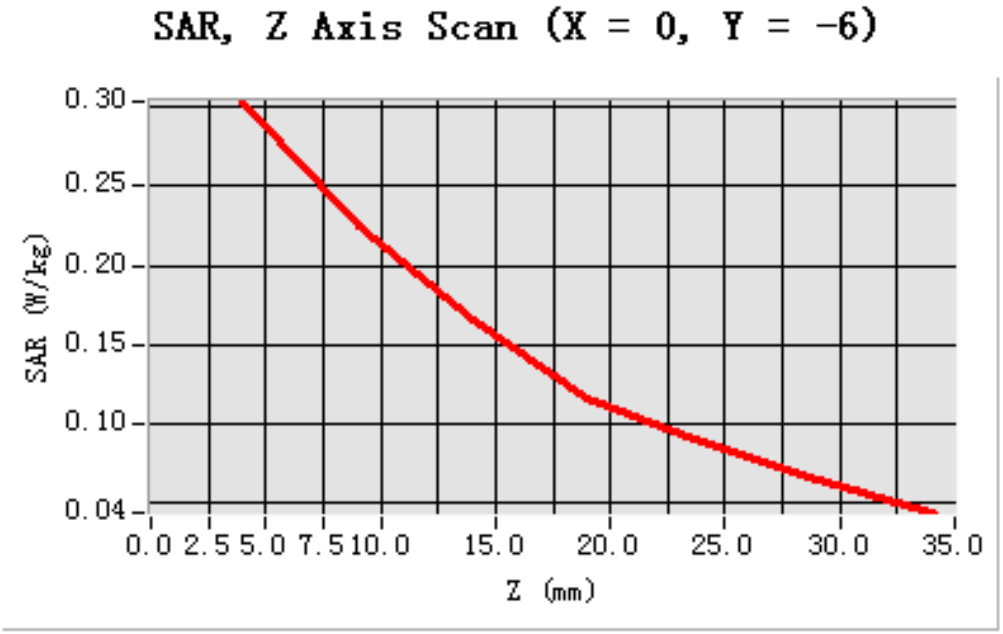


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.223480
SAR 1g (W/Kg)	0.298148

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.2890	0.2342	0.1664	0.1120	0.0887	0.0422


SAR, Z Axis Scan (X = 0, Y = -6)
SAR (W/kg)
0.30
0.25
0.20
0.15
0.10
0.04
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 15

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Body
Device Position	FrontSide toward phantom
Band	GSM850
Channels	High
Signal	GSM

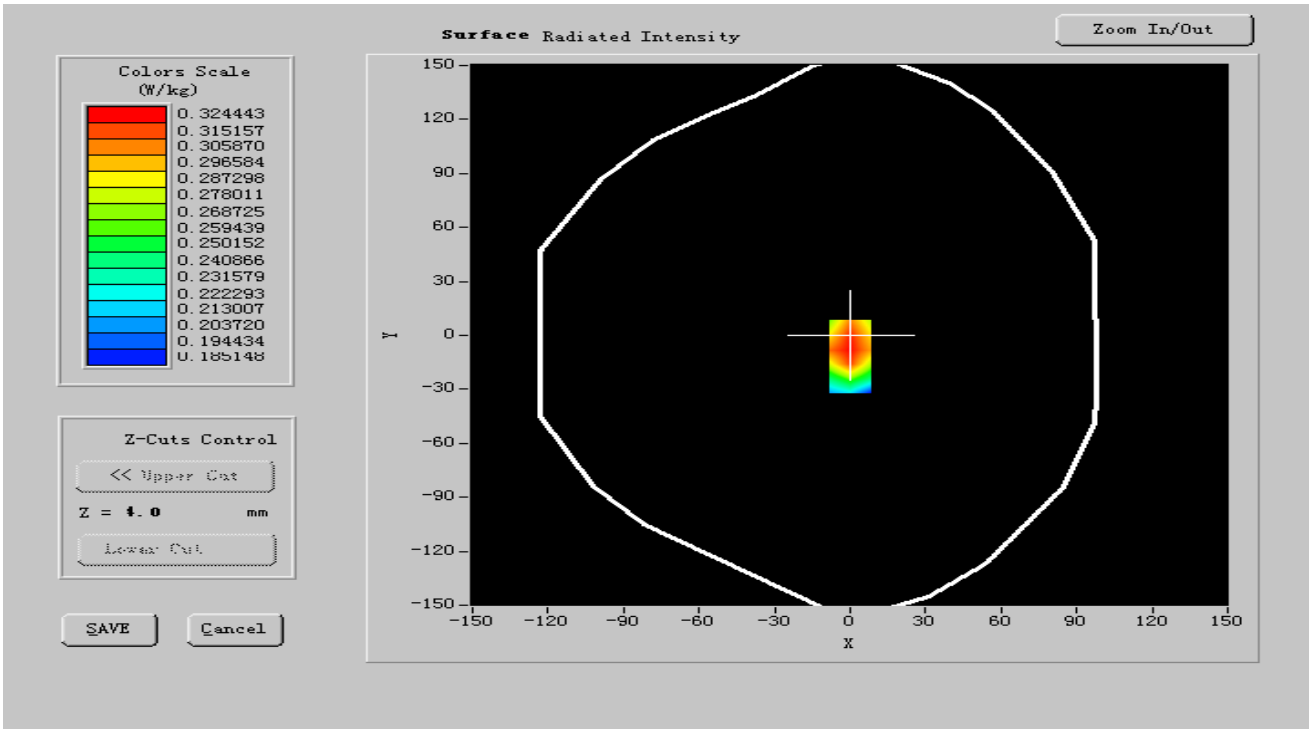
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

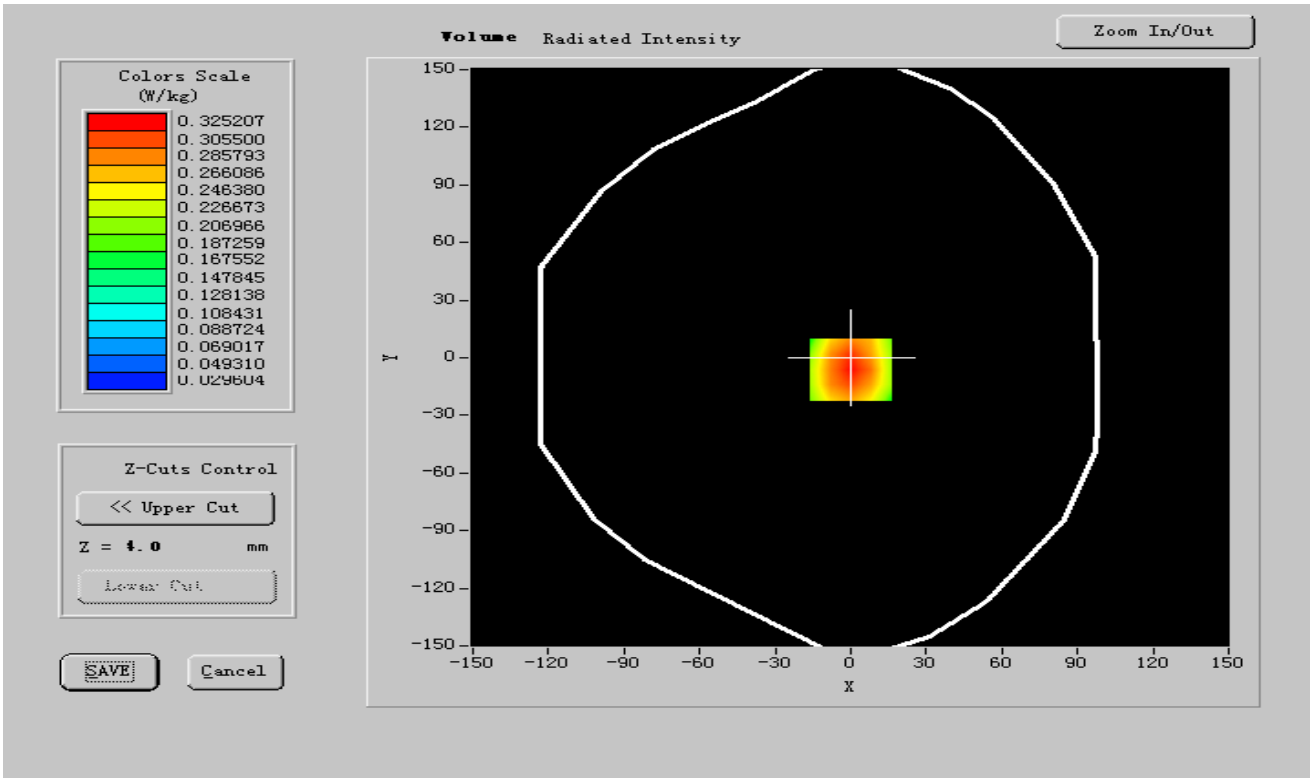
C. SAR Measurement Results

Frequency (MHz)	**848.599976**
Relative permitivity (real part)	**56.508121**
Relative permitivity (imaginary part)	**21.726601**
Conductivity (S/m)	**0.983288**
Variation (%)	**-1.120000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**20.00, 19.88, 27.77**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

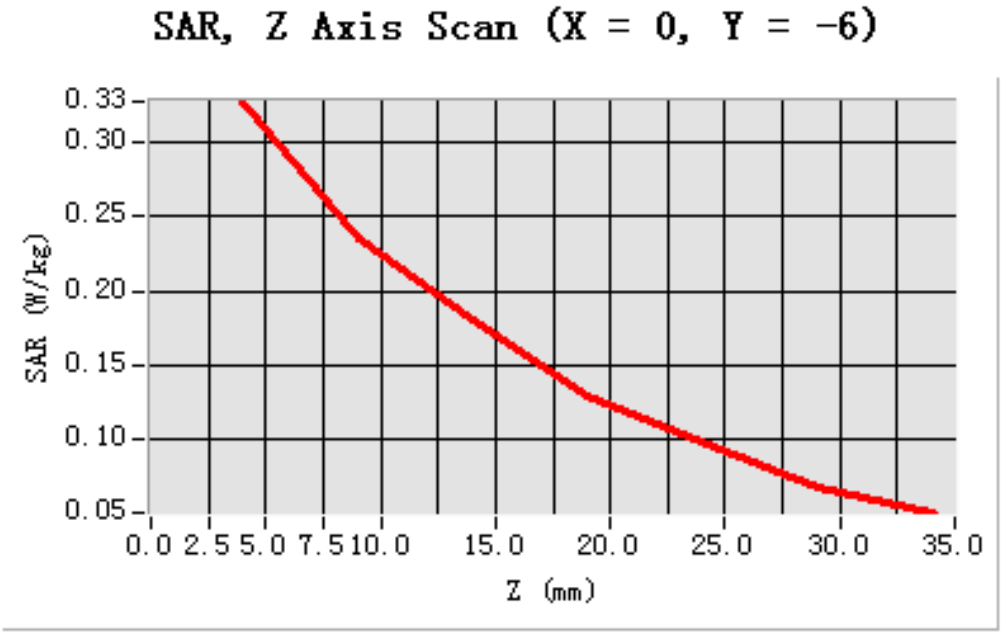


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.223497
SAR 1g (W/Kg)	0.315610

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.3063	0.2322	0.1674	0.1420	0.1800	0.0573


SAR, Z Axis Scan (X = 0, Y = -6)
SAR (W/kg)
0.33
0.30
0.25
0.20
0.15
0.10
0.05
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 16

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Body
Device Position	FrontSide toward phantom
Band	GPRS850
Channels	Low
Signal	GPRS

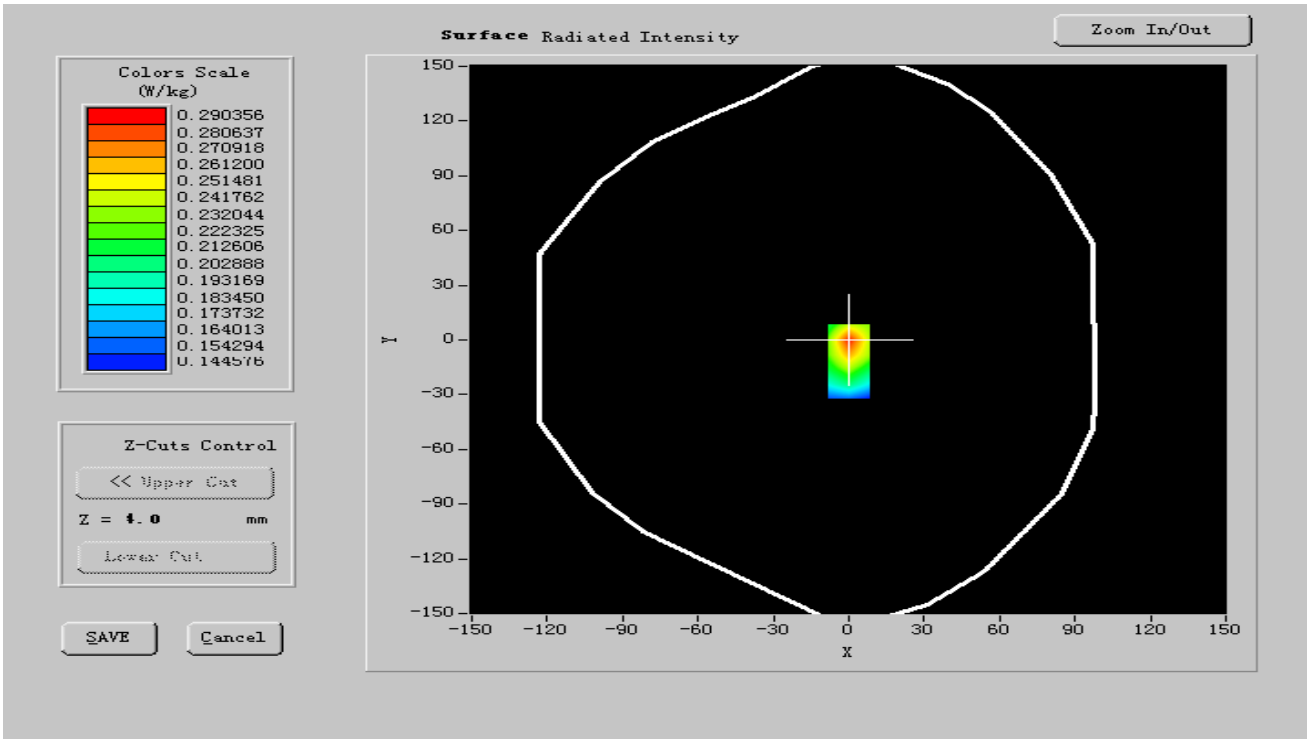
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

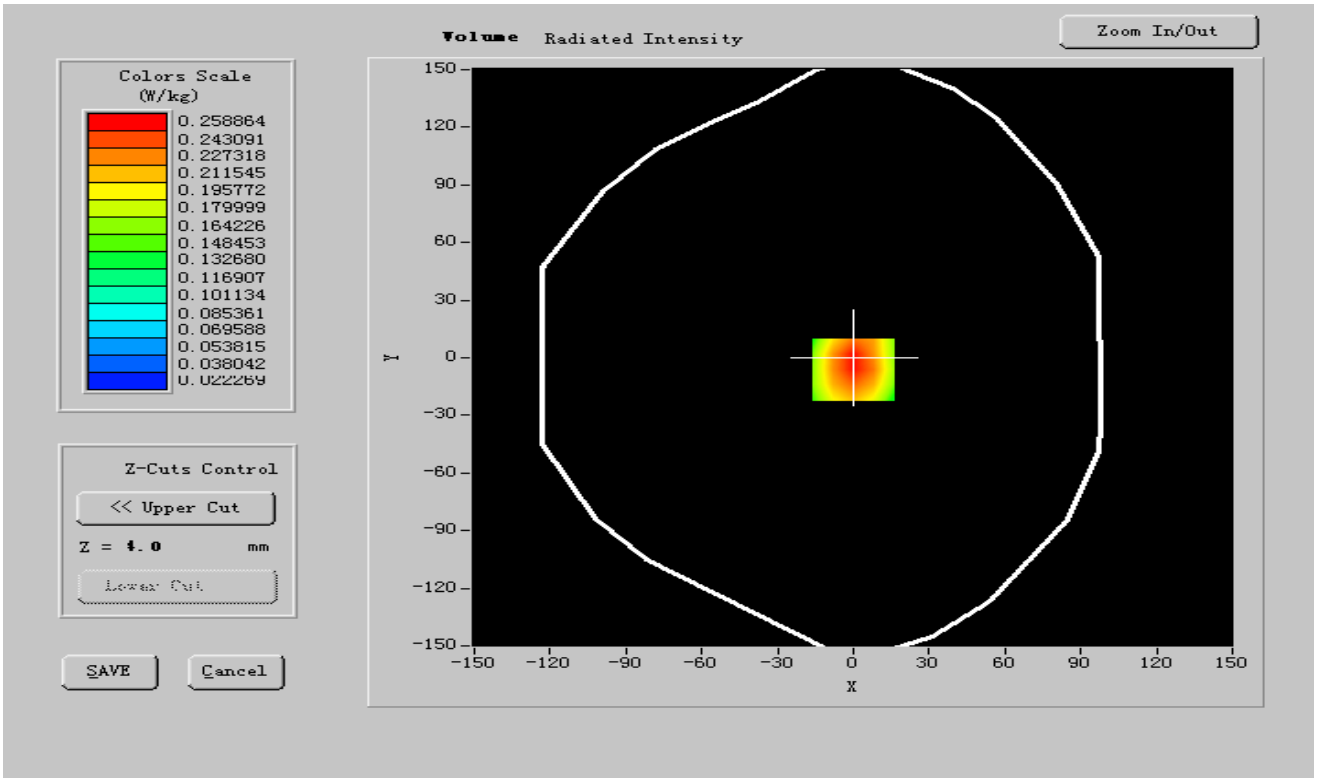
C. SAR Measurement Results

Frequency (MHz)	**824.200012**
Relative permitivity (real part)	**56.584000**
Relative permitivity (imaginary part)	**21.654150**
Conductivity (S/m)	**0.971519**
Variation (%)	**-1.120000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**20.00, 19.88, 27.77**
Crest factor：	**1:4**

SURFACE SAR



VOLUME SAR

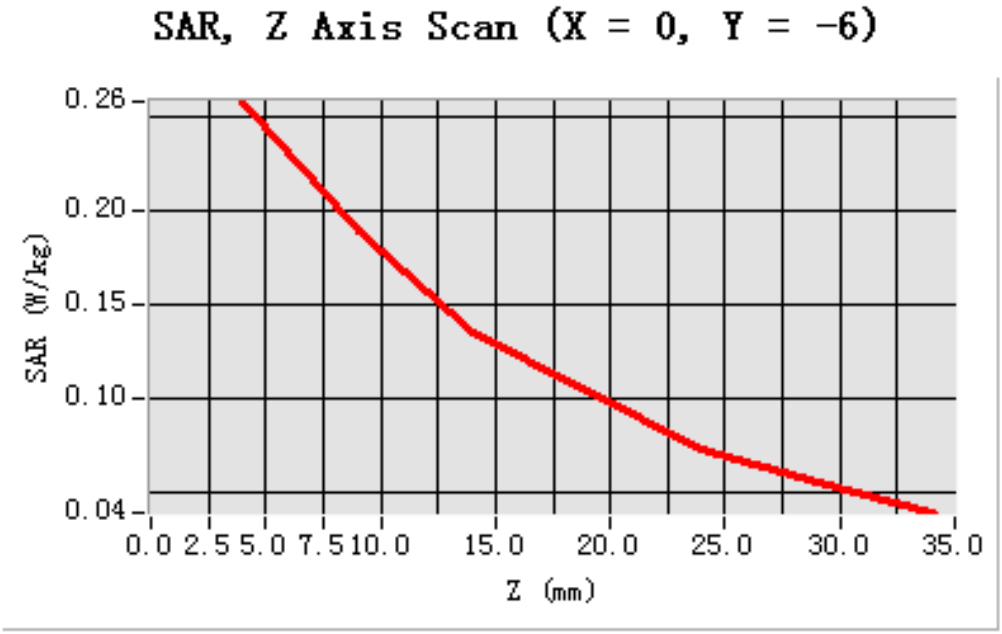


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.176145
SAR 1g (W/Kg)	0.268642

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.2878	0.1722	0.1474	0.1023	0.0887	0.0511


SAR, Z Axis Scan (X = 0, Y = -6)
SAR (W/kg)
0.26
0.20
0.15
0.10
0.04
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 17

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Body
Device Position	FrontSide toward phantom
Band	GPRS850
Channels	Middle
Signal	GPRS

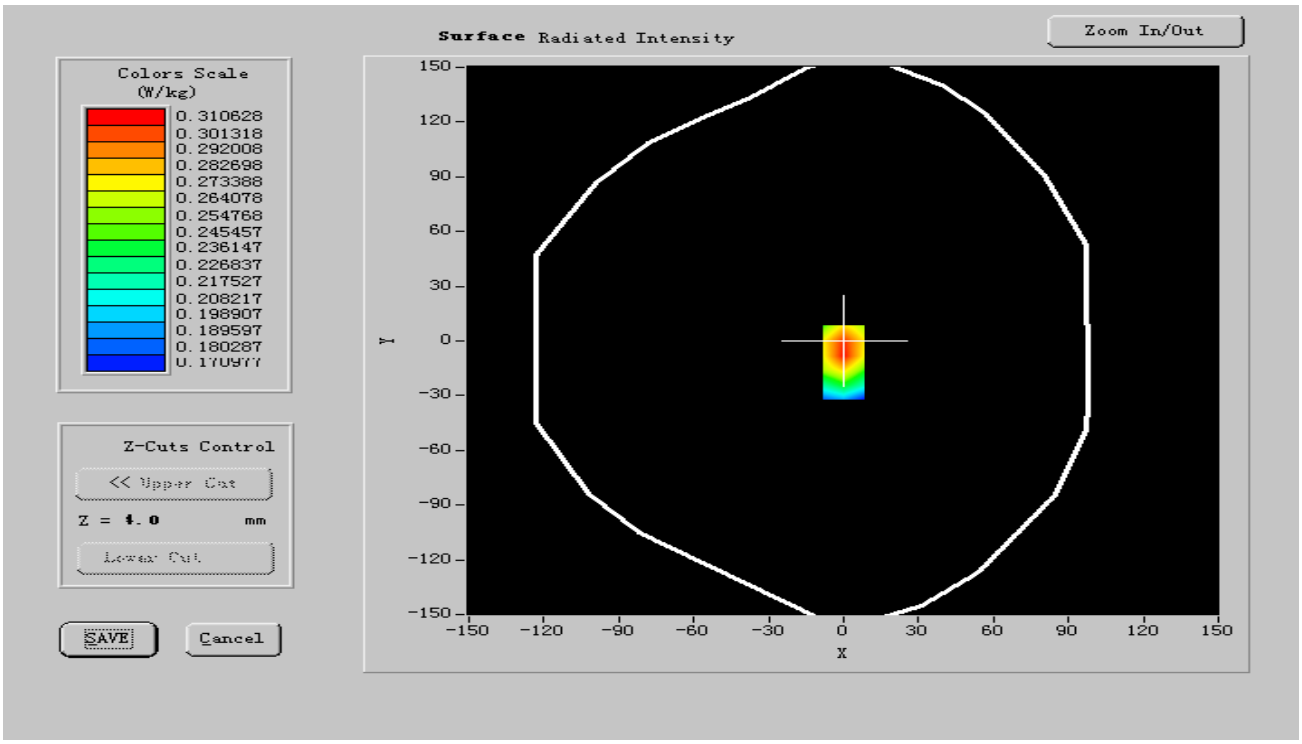
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

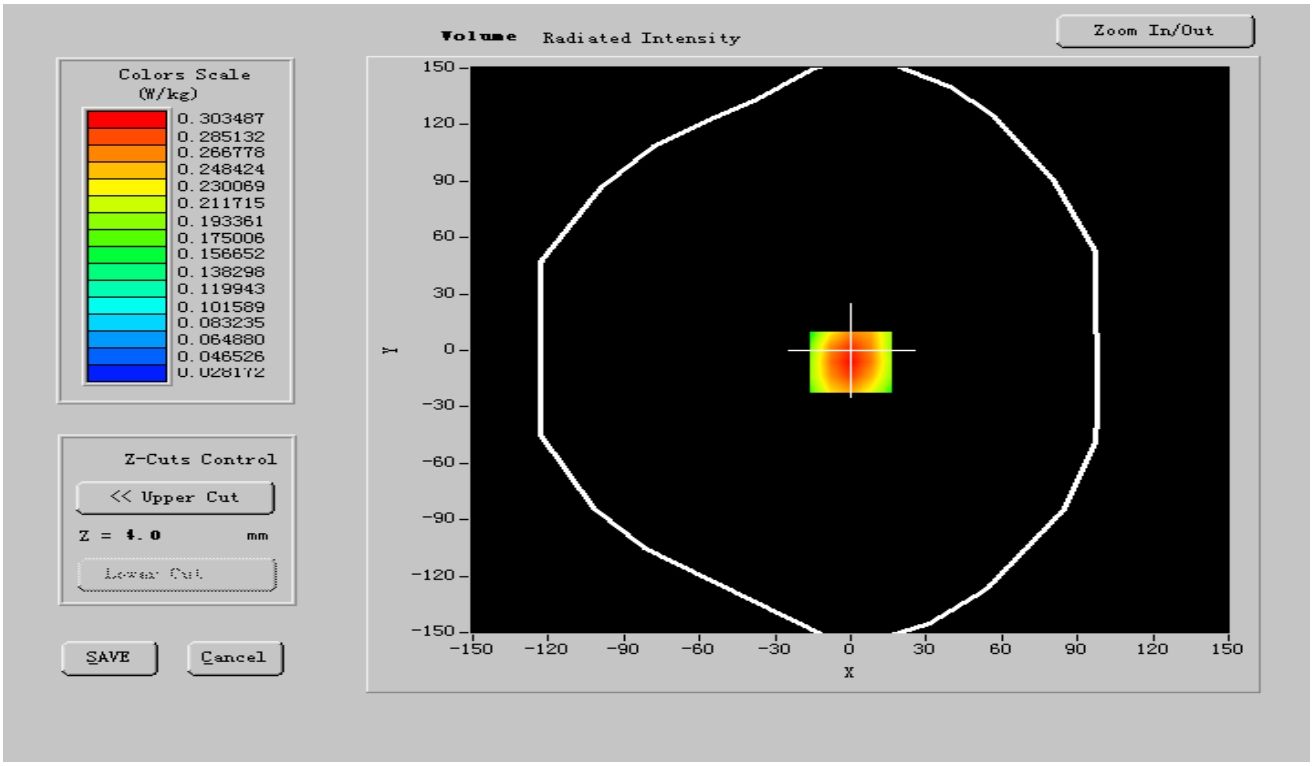
C. SAR Measurement Results

Frequency (MHz)	**836.400024**
Relative permitivity (real part)	**55.501999**
Relative permitivity (imaginary part)	**21.866249**
Conductivity (S/m)	**1.006342**
Variation (%)	**-0.200000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**20.00, 19.88, 27.77**
Crest factor：	**1:4**

SURFACE SAR



VOLUME SAR

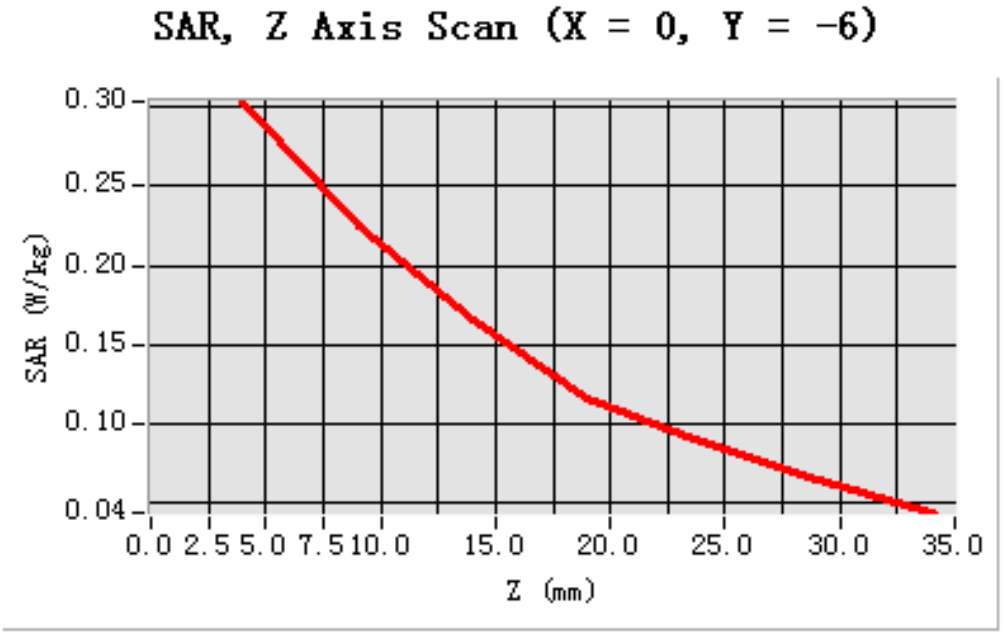


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.244679
SAR 1g (W/Kg)	0.281748

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.2878	0.1722	0.1474	0.1023	0.0887	0.0511


SAR, Z Axis Scan (X = 0, Y = -6)
SAR (W/kg)
0.30
0.25
0.20
0.15
0.10
0.04
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 18

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Body
Device Position	FrontSide toward phantom
Band	GPRS850
Channels	High
Signal	GPRS

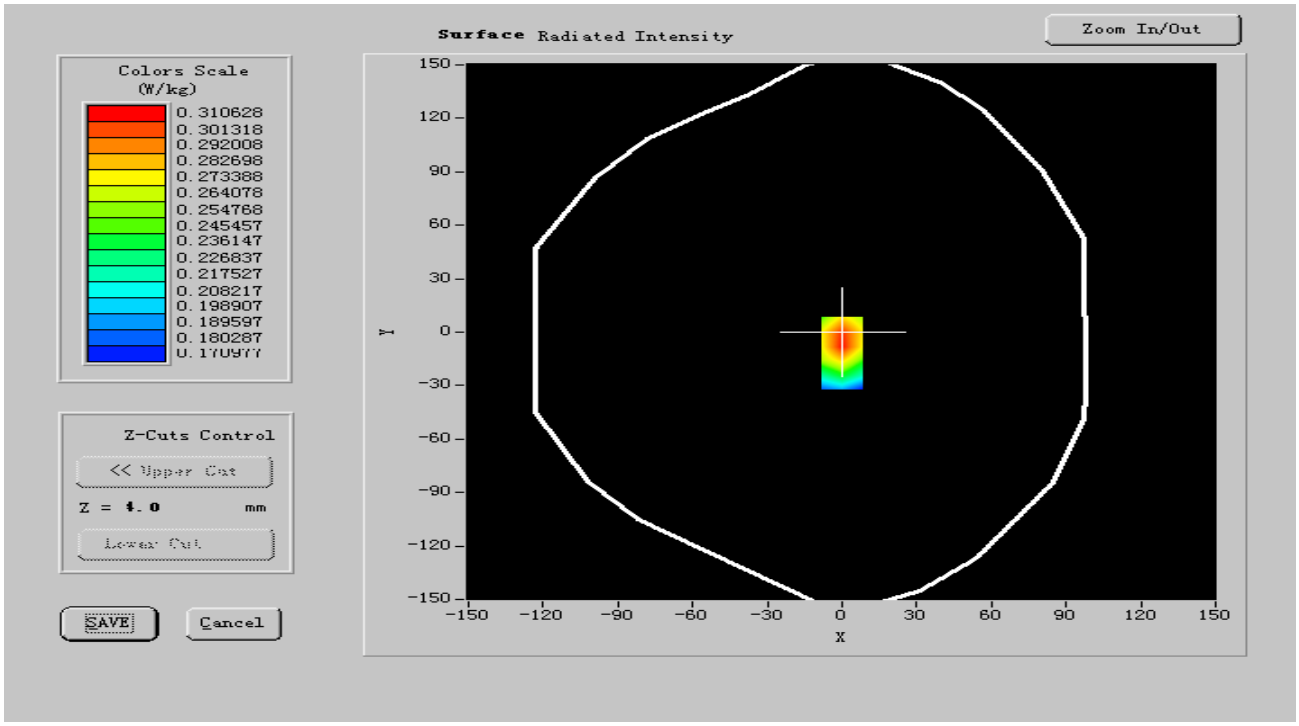
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

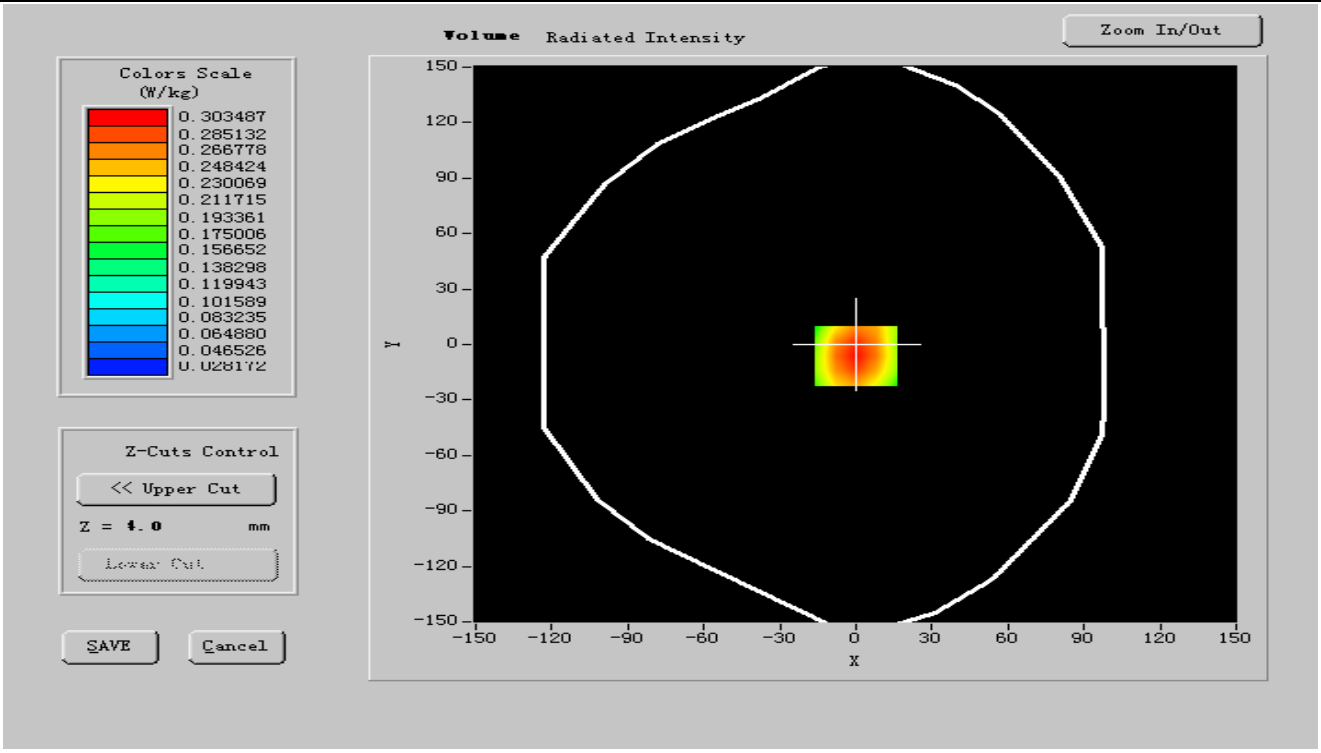
C. SAR Measurement Results

Frequency (MHz)	**848.599976**
Relative permitivity (real part)	**55.576000**
Relative permitivity (imaginary part)	**21.726601**
Conductivity (S/m)	**0.974288**
Variation (%)	**-0.220000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**20.00, 19.88, 27.77**
Crest factor：	**1:4**

SURFACE SAR



VOLUME SAR

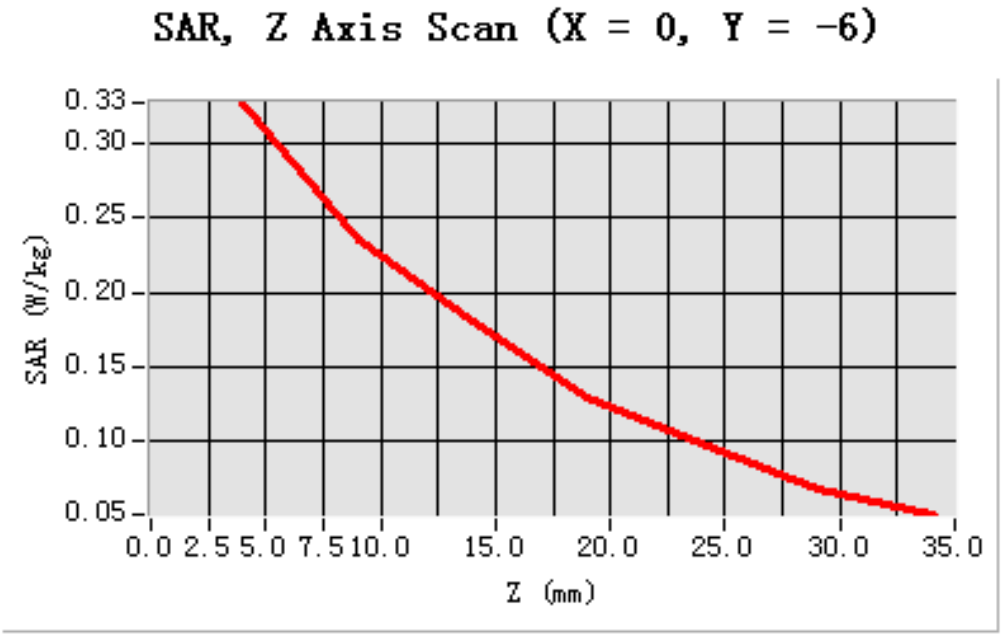


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.210546
SAR 1g (W/Kg)	0.321483

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.3232	0.1722	0.1494	0.1323	0.0787	0.0651


SAR, Z Axis Scan (X = 0, Y = -6)
SAR (W/kg)
0.33
0.30
0.25
0.20
0.15
0.10
0.05
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

Ⅱ. 1900MHz Band RESULTS

TYPE	PARAMETERS
Phone	Measurement 1: Right Head with Cheek device position on Low Channel in GSM1900 mode Measurement 2: Right Head with Cheek device position on Middle Channel in GSM1900 mode Measurement 3: Right Head with Cheek device position on High Channel in GSM1900 mode Measurement 4: Right Head with Tilt device position on Low Channel in GSM1900 mode Measurement 5: Right Head with Tilt device position on Middle Channel in GSM1900 mode Measurement 6: Right Head with Tilt device position on High Channel in GSM1900 mode Measurement 7: Left Head with Cheek device position on Low Channel in GSM1900 mode Measurement 8: Left Head with Cheek device position on Middle Channel in GSM1900 mode Measurement 9: Left Head with Cheek device position on High Channel in GSM1900 mode Measurement 10: Left Head with Tilt device position on Low Channel in GSM1900 mode Measurement 11: Left Head with Tilt device position on Middle Channel in GSM1900 mode Measurement 12: Left Head with Tilt device position on High Channel in GSM1900 mode Measurement 13: FrontSide toward phantom 15mm, Low Channel in GSM1900 mode Measurement 14: FrontSide toward phantom 15mm, Middle Channel in GSM1900 mode Measurement 15: FrontSide toward phantom 15mm, High Channel in GSM1900 mode Measurement 16: FrontSide toward phantom 15mm, Low Channel in GPRS1900 mode Measurement 17: FrontSide toward phantom 15mm, Middle Channel in GPRS1900 mode Measurement 18: FrontSide toward phantom 15mm, High Channel in GPRS1900 mode

MEASUREMENT 1

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Right head
Device Position	Cheek
Band	GSM1900
Channels	Low
Signal	GSM

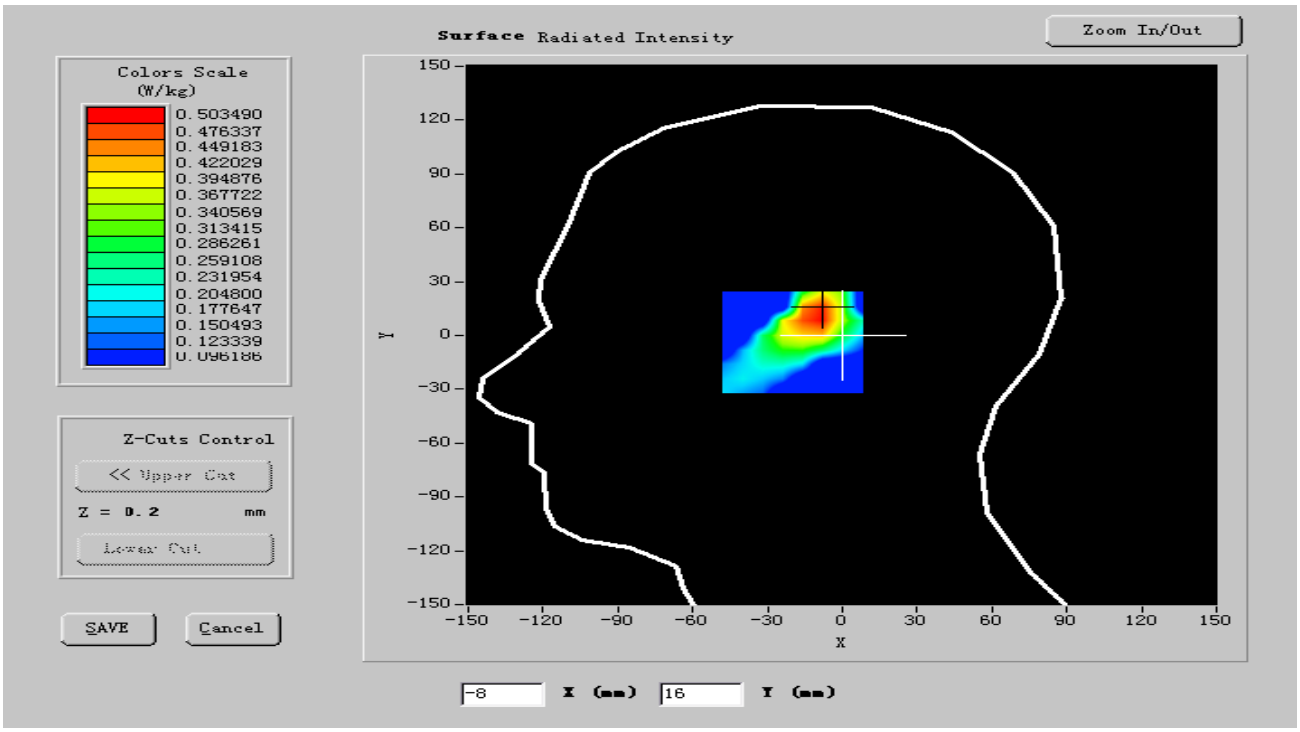
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 1900	**Antennessa (DIPI36, SN 48/05**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

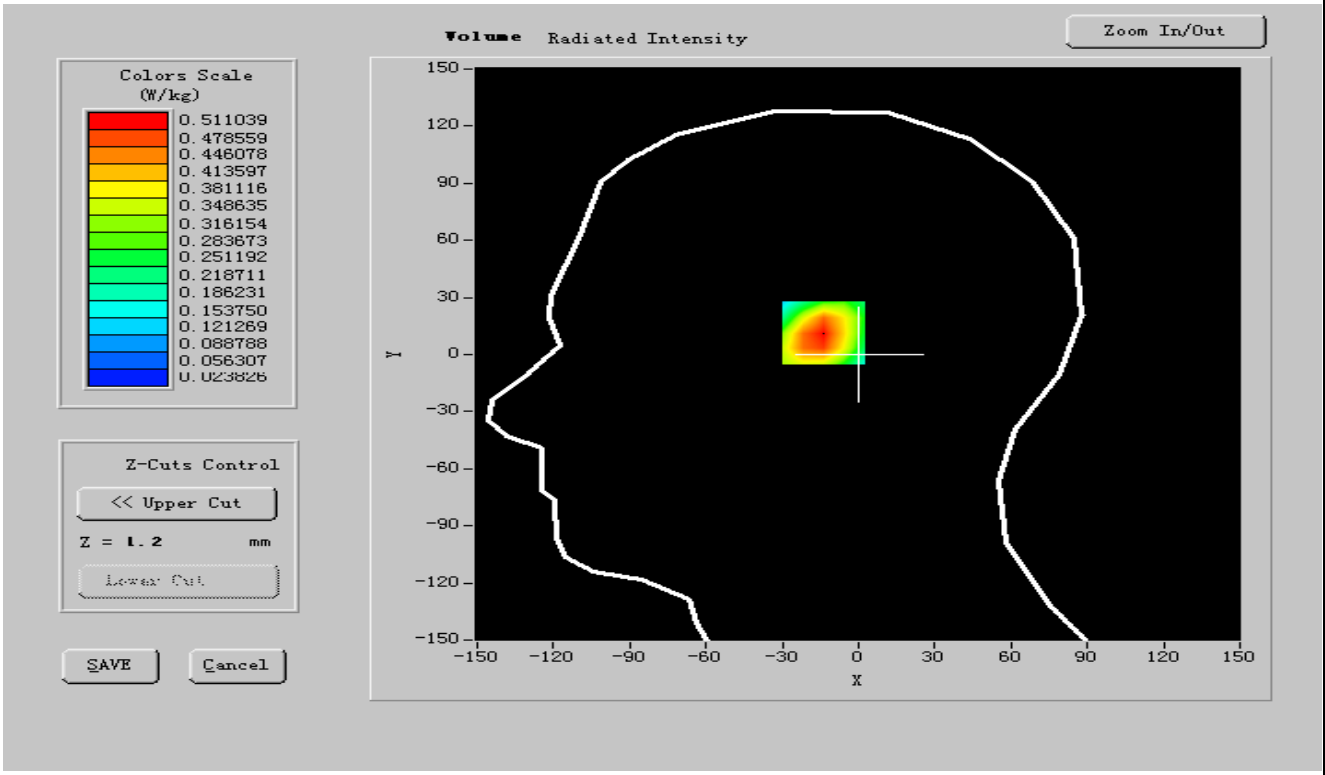
C. SAR Measurement Results

Frequency (MHz)	**1850.400024**
Relative permitivity (real part)	**40.213000**
Relative permitivity (imaginary part)	**13.584900**
Conductivity (S/m)	**1.410528**
Variation (%)	**-1.220000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**41.91, 43.15, 56.44**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

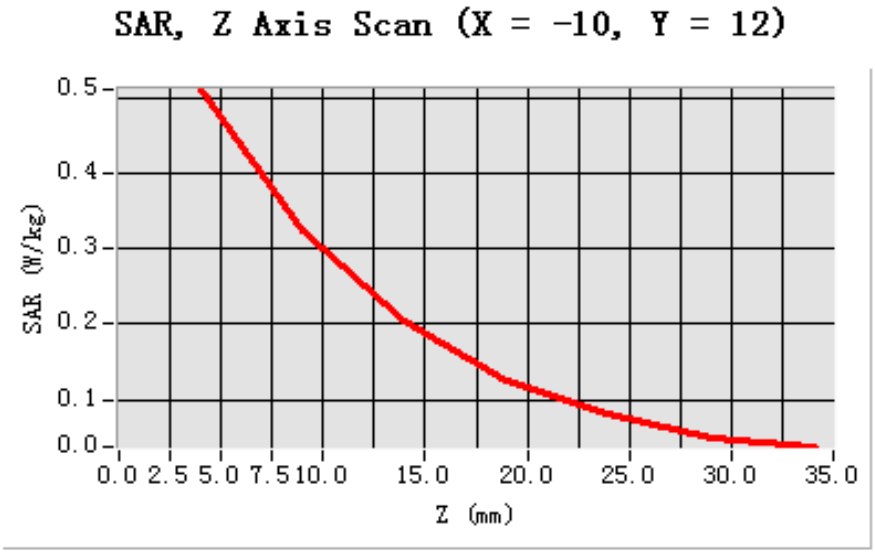


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.281648
SAR 1g (W/Kg)	0.476481

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.4733	0.3122	0.1894	0.1224	0.0687	0.0081


SAR, Z Axis Scan (X = -10, Y = 12)
SAR (W/kg)
0.5
0.4
0.3
0.2
0.1
0.0
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 2

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Right head
Device Position	Cheek
Band	GSM1900
Channels	Middle
Signal	GSM

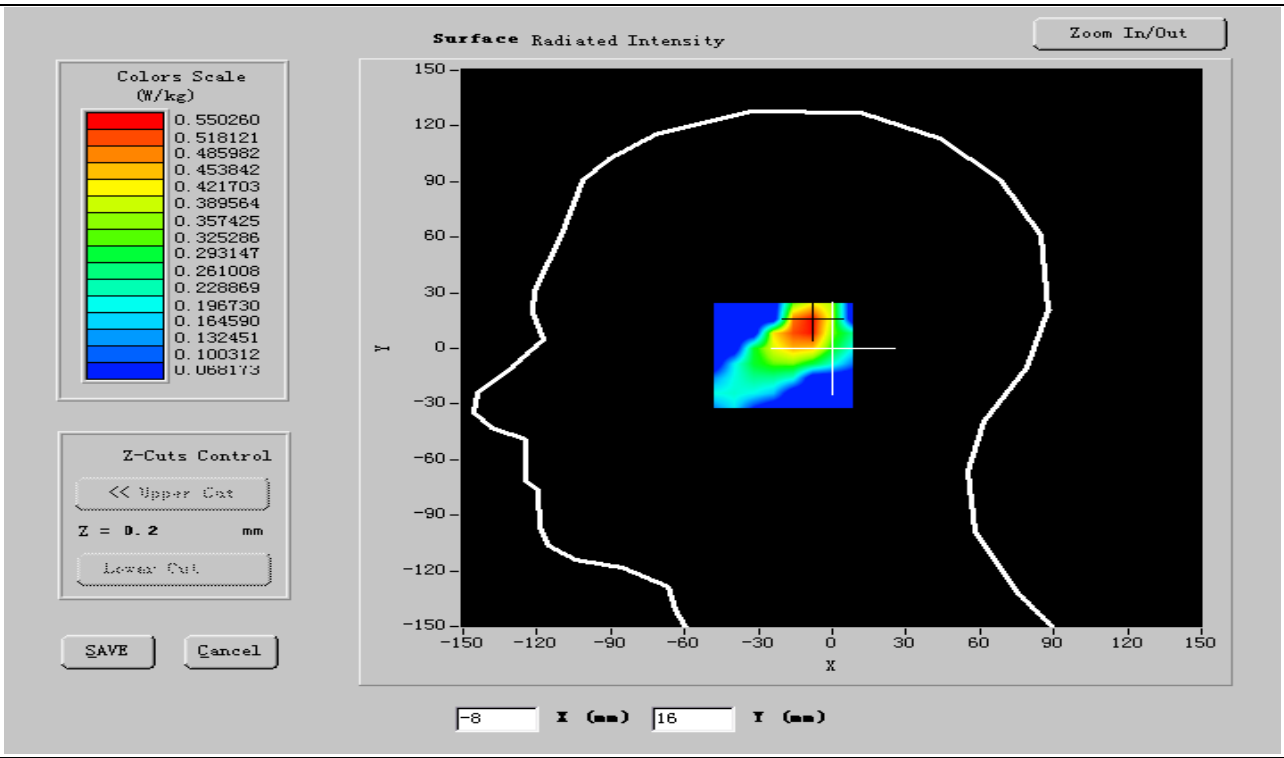
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 1900	**Antennessa (DIPI36, SN 48/05**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

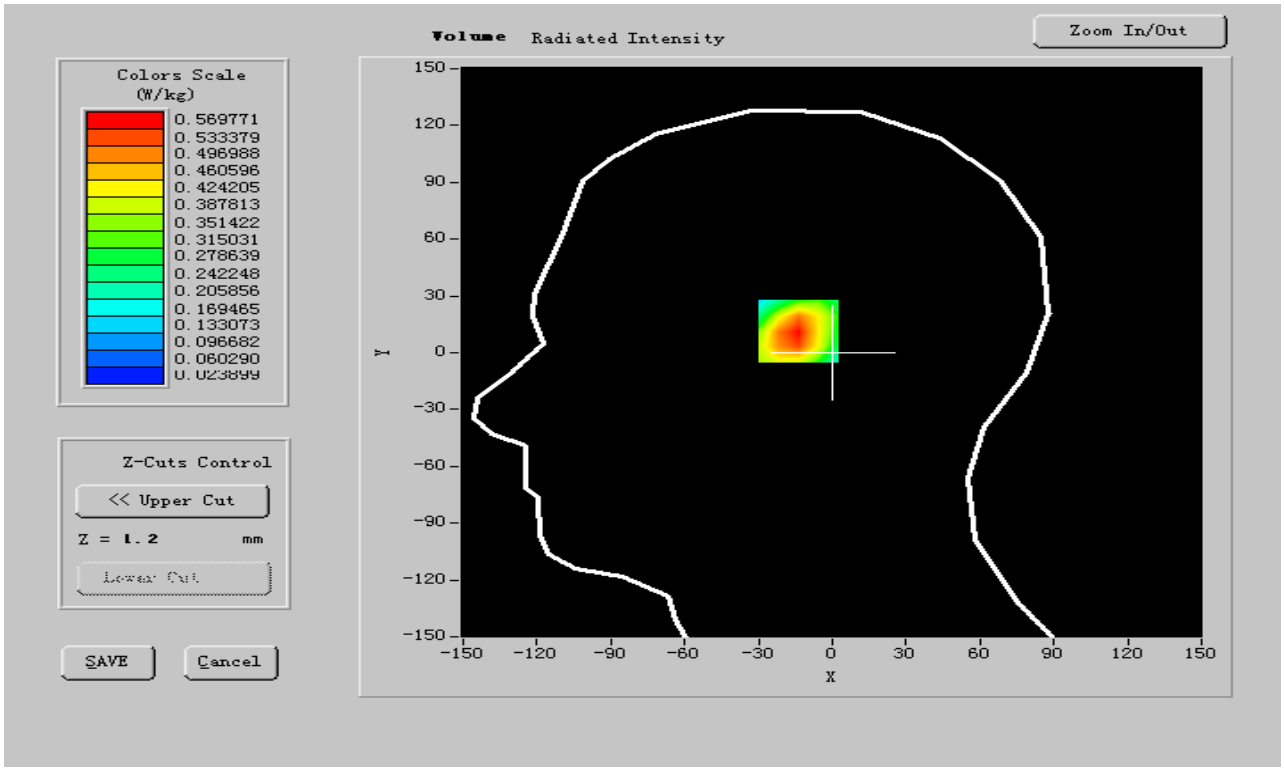
C. SAR Measurement Results

Frequency (MHz)	**1880.000000**
Relative permitivity (real part)	**40.198001**
Relative permitivity (imaginary part)	**13.813800**
Conductivity (S/m)	**1.422775**
Variation (%)	**-0.210000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**41.91, 43.15, 56.44**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

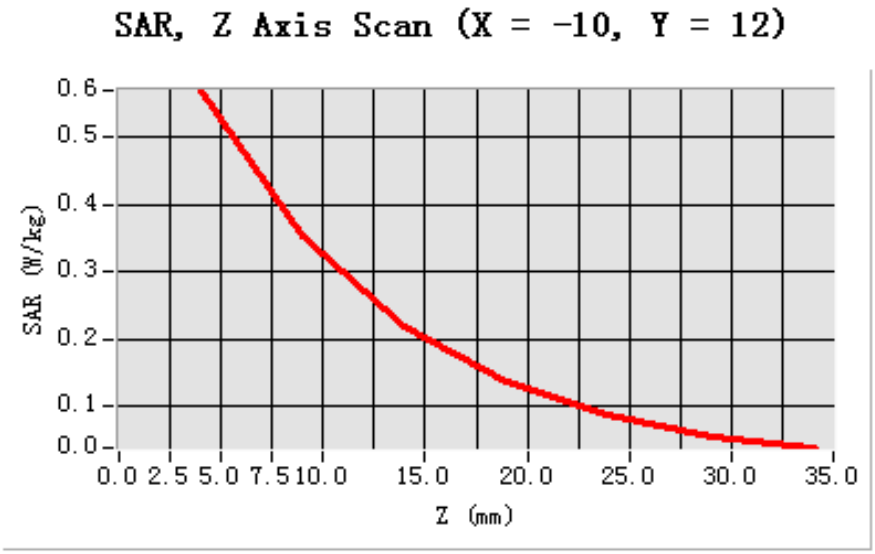


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.323046
SAR 1g (W/Kg)	0.525128

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.5154	0.3322	0.2294	0.1424	0.0789	0.0031


SAR, Z Axis Scan (X = -10, Y = 12)
SAR (W/kg)
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 3

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Right head
Device Position	Cheek
Band	GSM1900
Channels	High
Signal	GSM

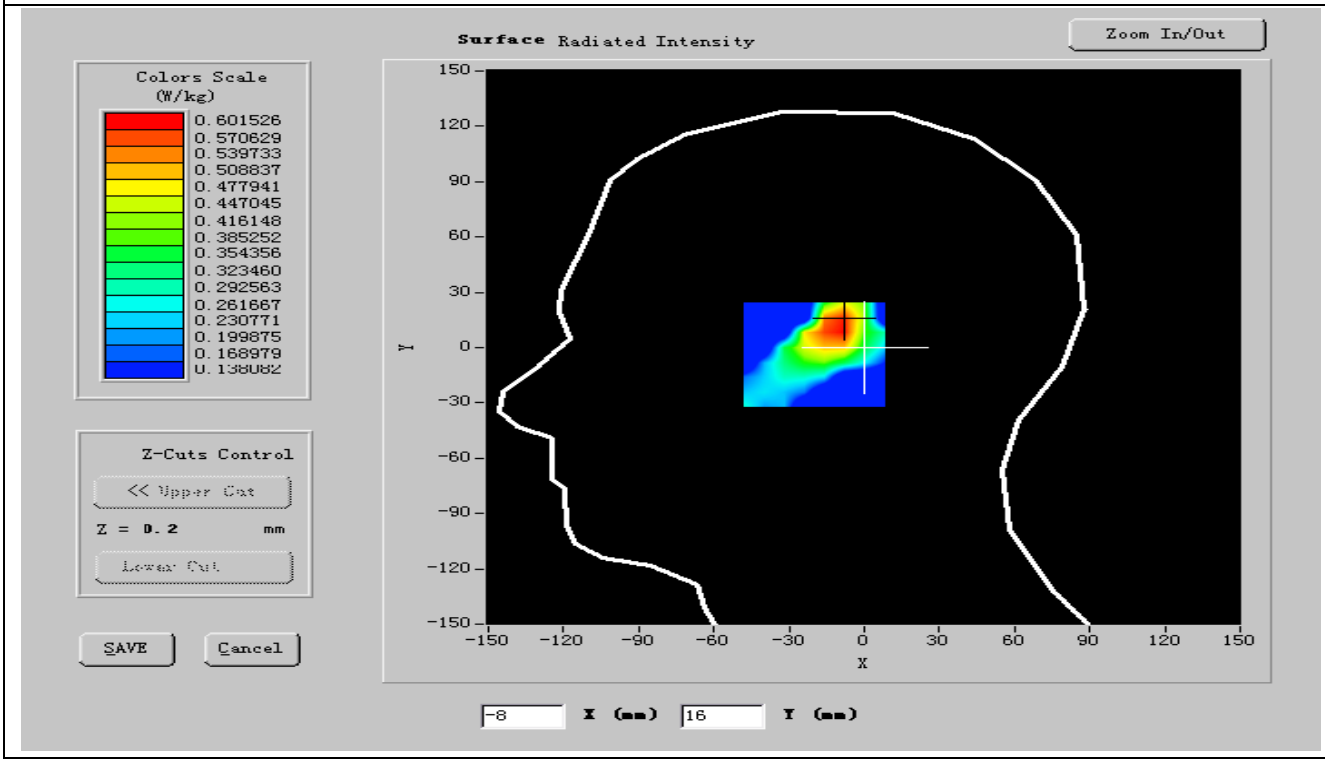
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 1900	**Antennessa (DIPI36, SN 48/05**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

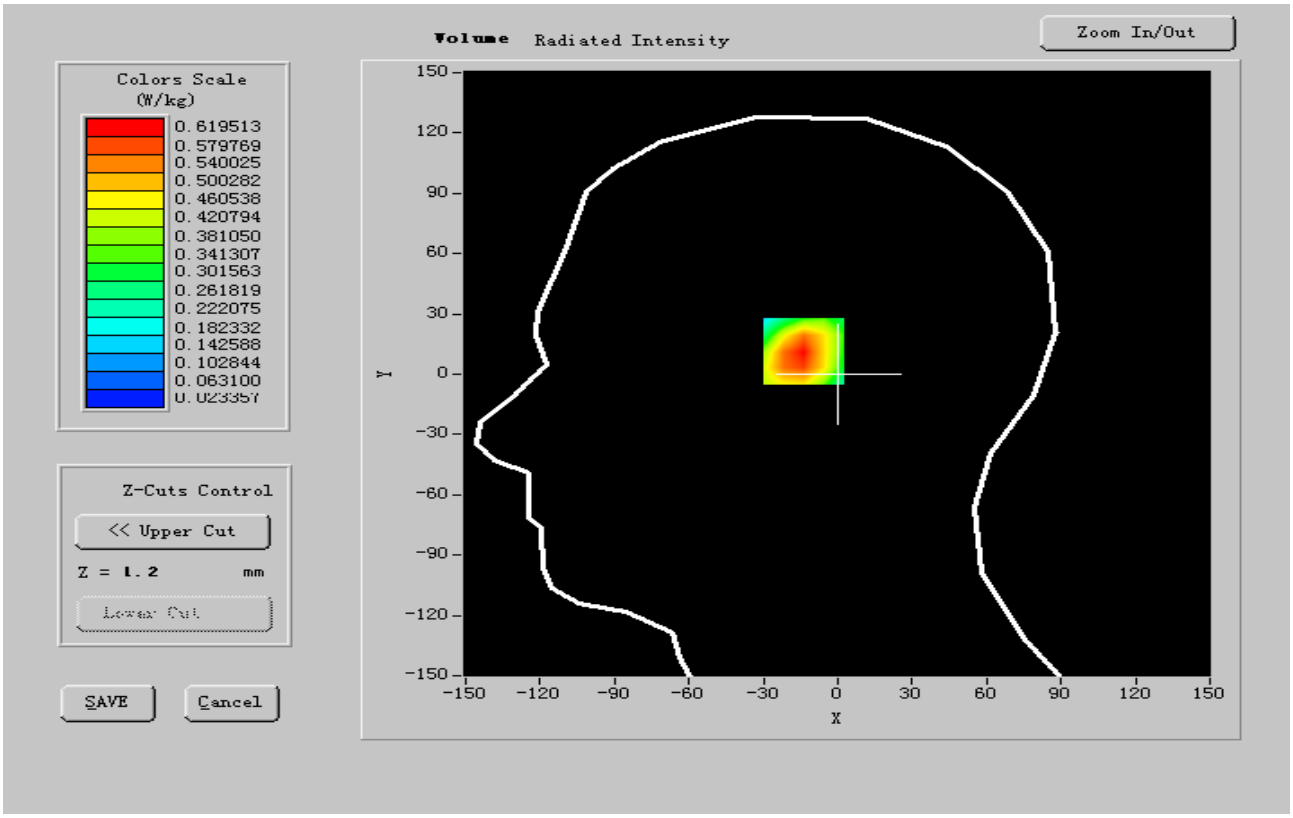
C. SAR Measurement Results

Frequency (MHz)	**1909.599976**
Relative permitivity (real part)	**40.205999**
Relative permitivity (imaginary part)	**13.669900**
Conductivity (S/m)	**1.420413**
Variation (%)	**-0.030000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**41.91, 43.15, 56.44**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

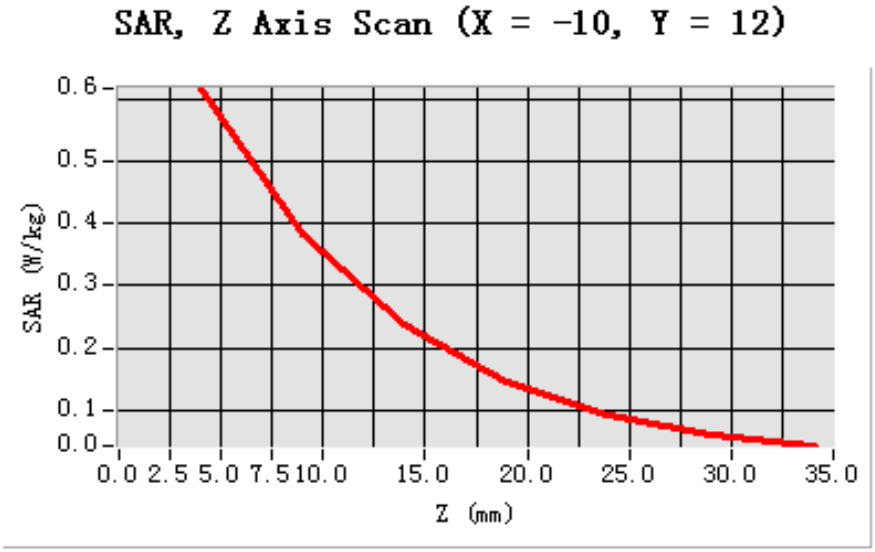


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.356971
SAR 1g (W/Kg)	0.579012

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.5736	0.3422	0.2264	0.1724	0.0889	0.0021


SAR, Z Axis Scan (X = -10, Y = 12)
SAR (W/kg)
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 4

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Right head
Device Position	Tilt
Band	GSM1900
Channels	Low
Signal	GSM

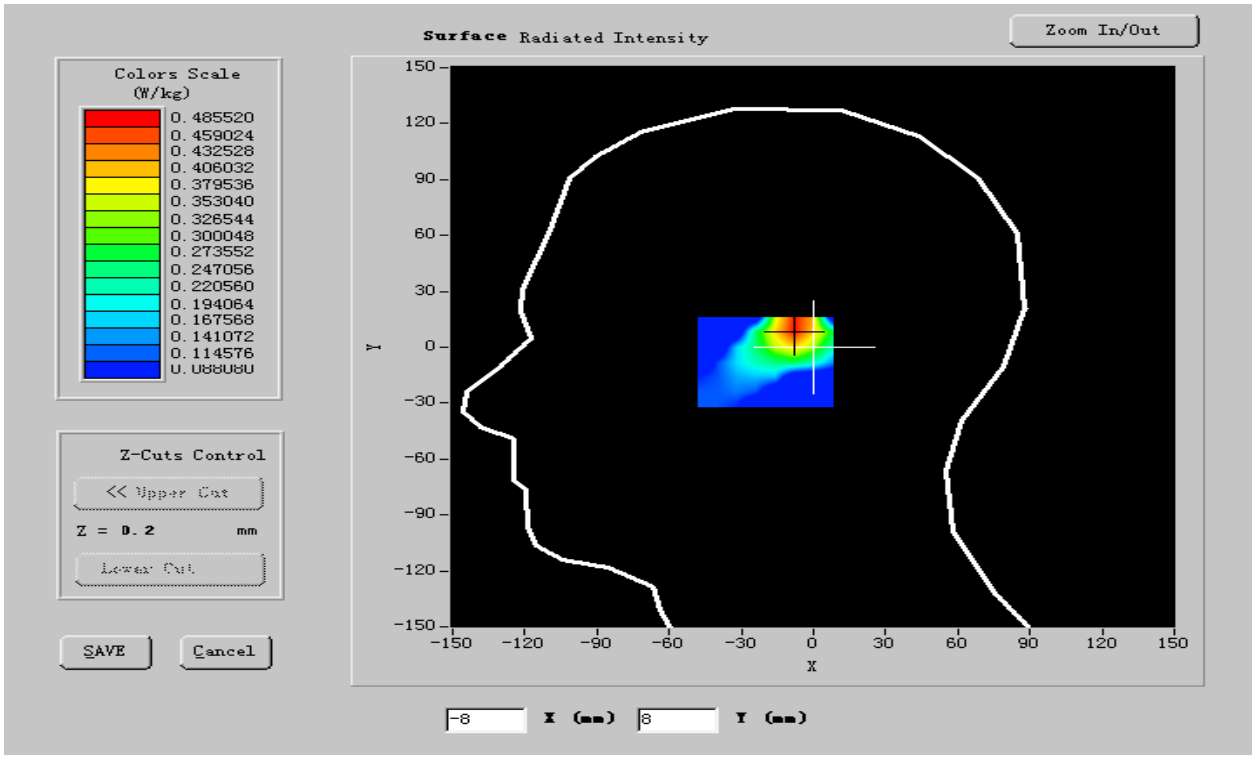
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 1900	**Antennessa (DIPI36, SN 48/05**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

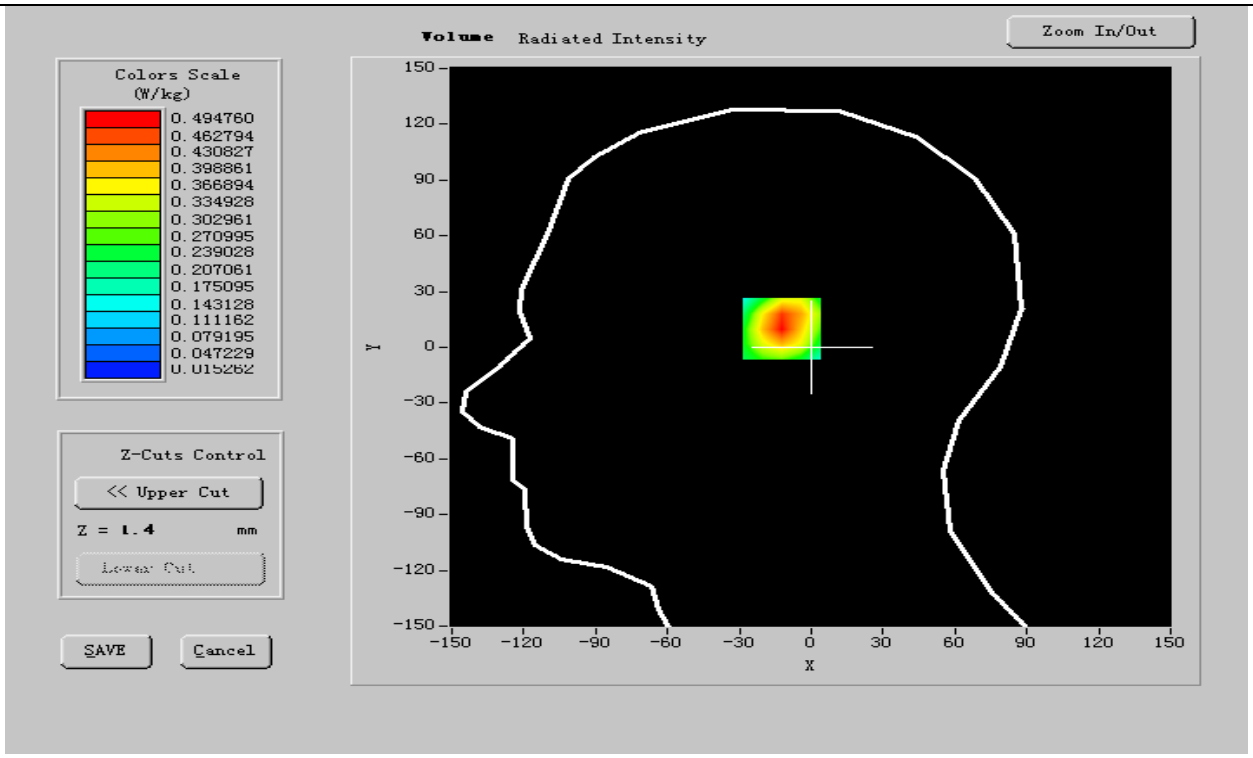
C. SAR Measurement Results

Frequency (MHz)	**1850.400024**
Relative permitivity (real part)	**40.213000**
Relative permitivity (imaginary part)	**13.584900**
Conductivity (S/m)	**1.426657**
Variation (%)	**-1.400000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**41.91, 43.15, 56.44**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

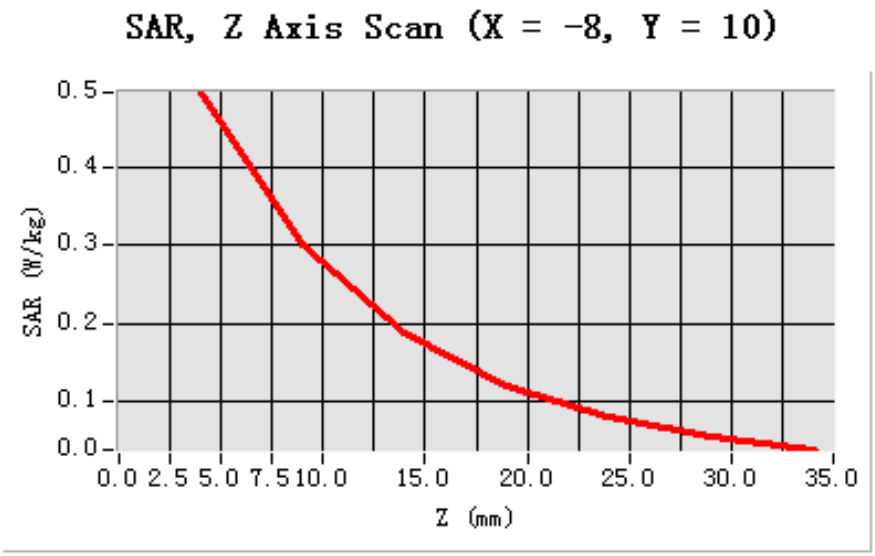


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.246310
SAR 1g (W/Kg)	0.452181

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.4563	0.2922	0.1864	0.1124	0.0787	0.0011


SAR, Z Axis Scan (X = -8, Y = 10)
SAR (W/kg)
0.5
0.4
0.3
0.2
0.1
0.0
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 5

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Right head
Device Position	Tilt
Band	GSM1900
Channels	Middle
Signal	GSM

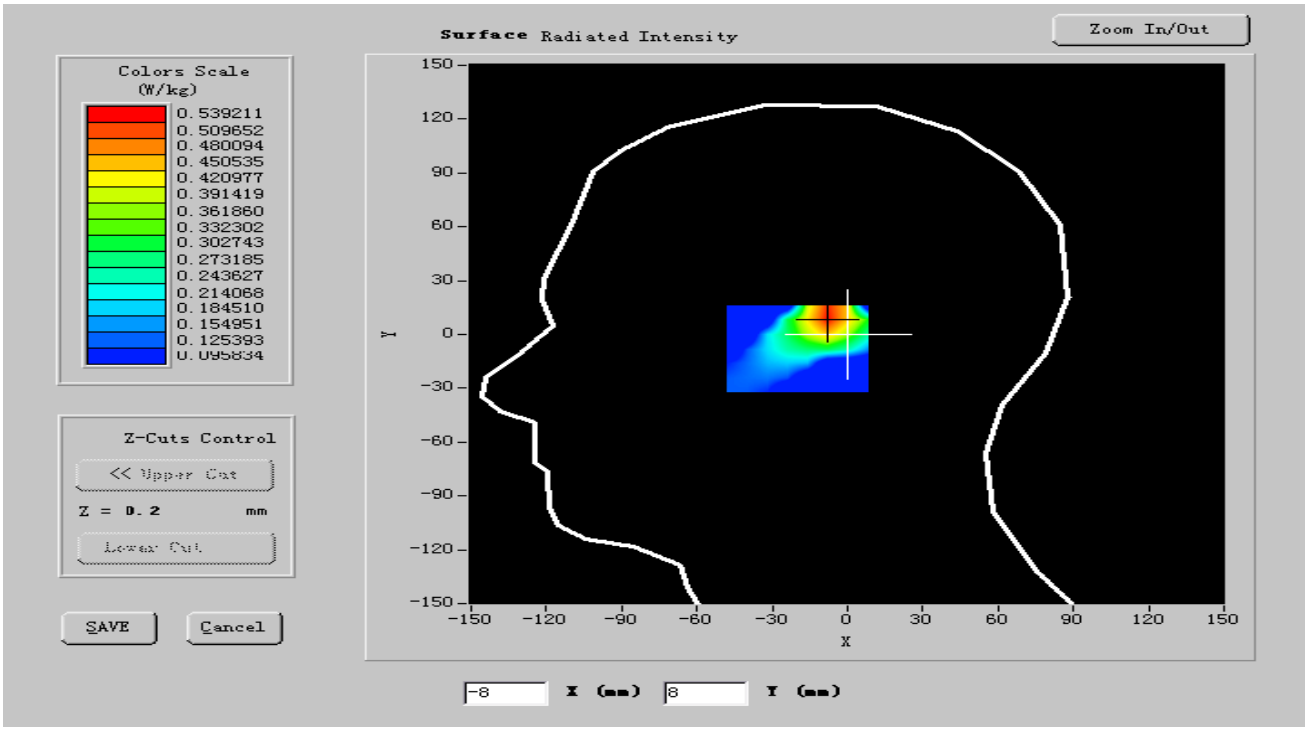
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 1900	**Antennessa (DIPI36, SN 48/05**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

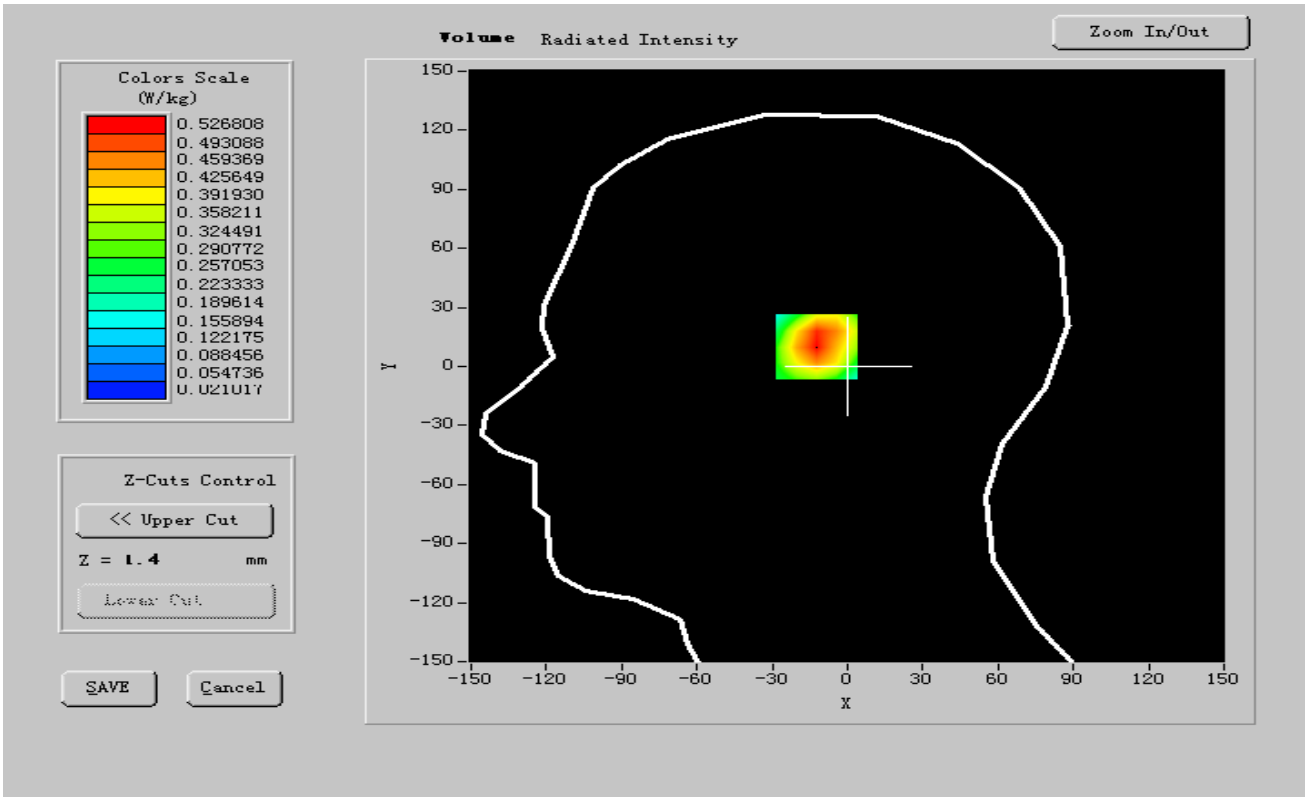
C. SAR Measurement Results

Frequency (MHz)	**1880.000000**
Relative permitivity (real part)	**40.193001**
Relative permitivity (imaginary part)	**13.813800**
Conductivity (S/m)	**1.422173**
Variation (%)	**-0.420000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**41.91, 43.15, 56.44**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

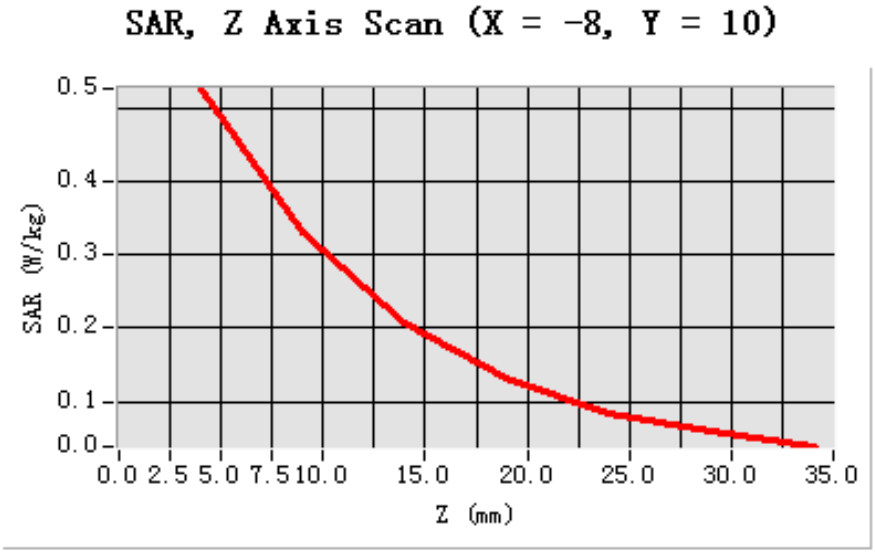


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.290573
SAR 1g (W/Kg)	0.481167

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.4818	0.3622	0.2064	0.1324	0.0887	0.0411


SAR, Z Axis Scan (X = -8, Y = 10)
SAR (W/kg)
0.5
0.4
0.3
0.2
0.1
0.0
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 6

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Right head
Device Position	Tilt
Band	GSM1900
Channels	High
Signal	GSM

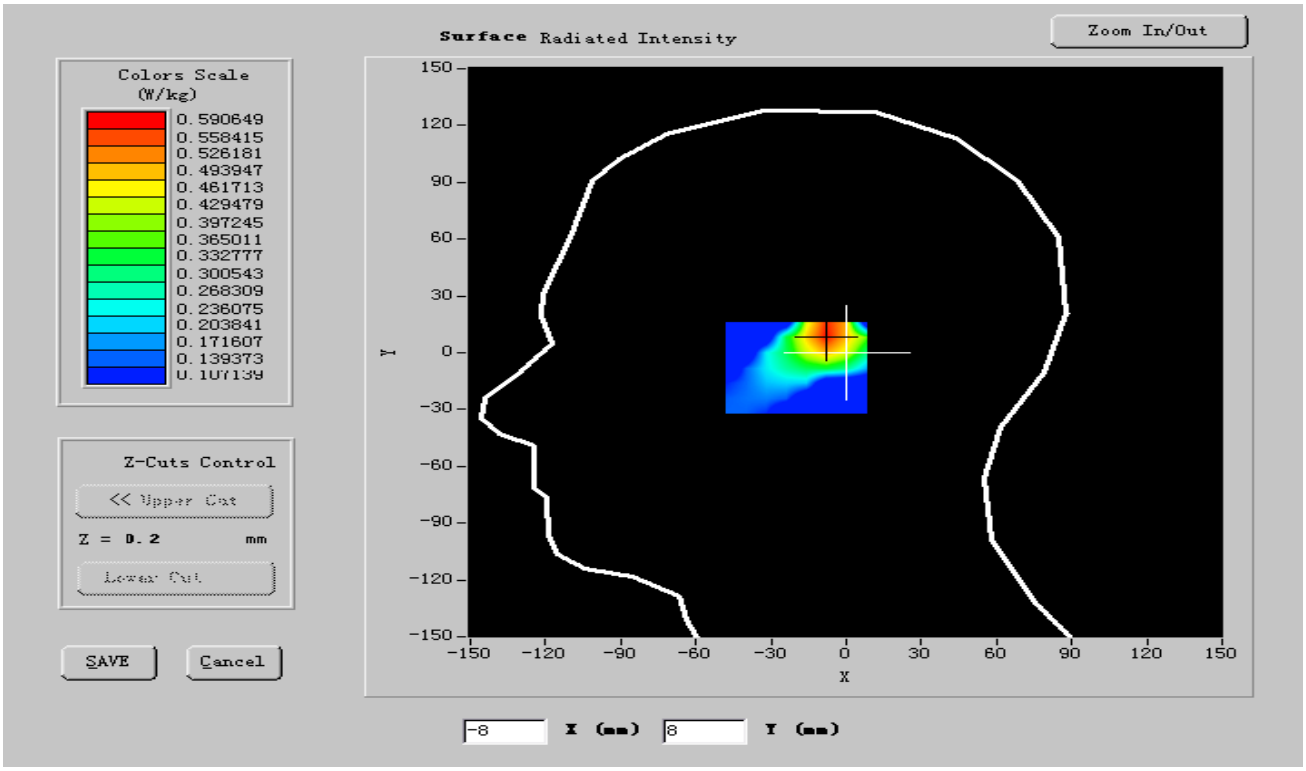
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 1900	**Antennessa (DIPI36, SN 48/05**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

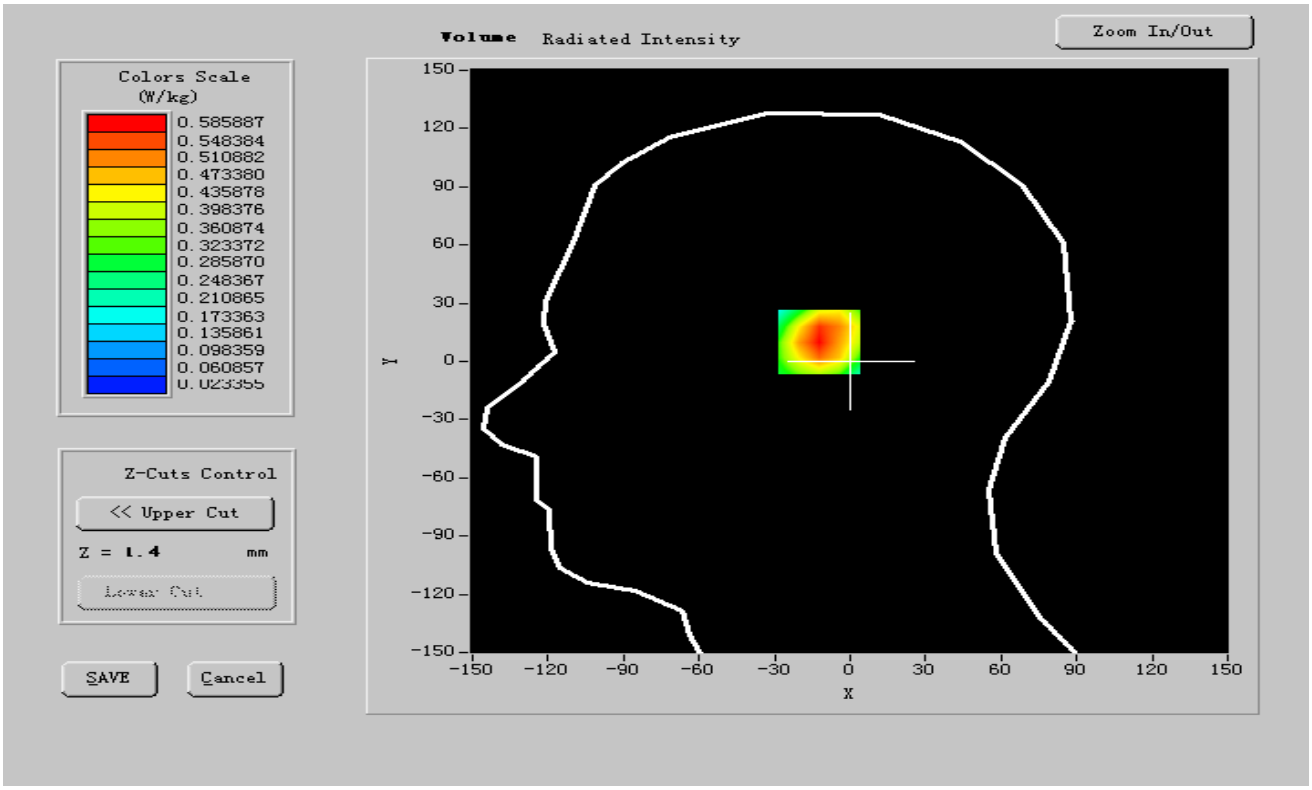
C. SAR Measurement Results

Frequency (MHz)	**1909.599976**
Relative permitivity (real part)	**40.205999**
Relative permitivity (imaginary part)	**13.669900**
Conductivity (S/m)	**1.400224**
Variation (%)	**-1.500000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**41.91, 43.15, 56.44**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

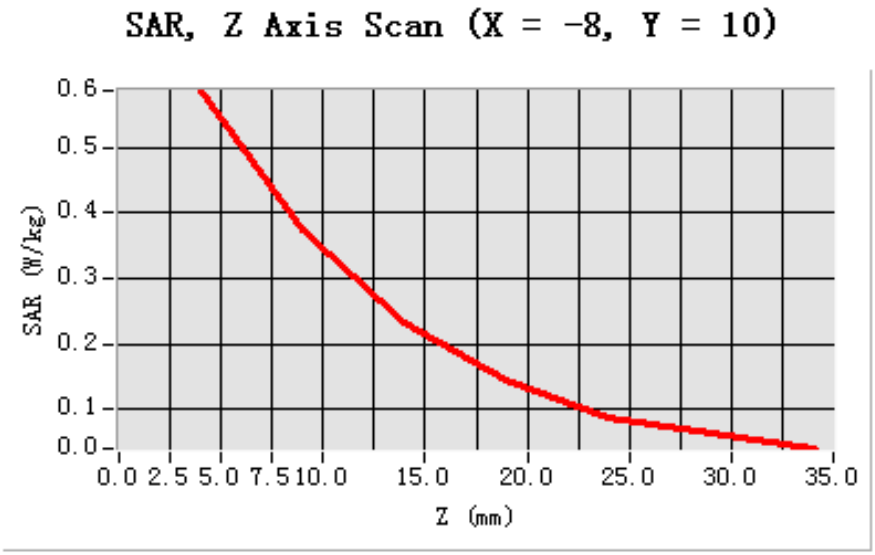


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.301647
SAR 1g (W/Kg)	0.530234

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.5359	0.3622	0.2064	0.1324	0.0864	0.0432


SAR, Z Axis Scan (X = -8, Y = 10)
SAR (W/kg)
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 7

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Left head
Device Position	Cheek
Band	GSM1900
Channels	Low
Signal	GSM

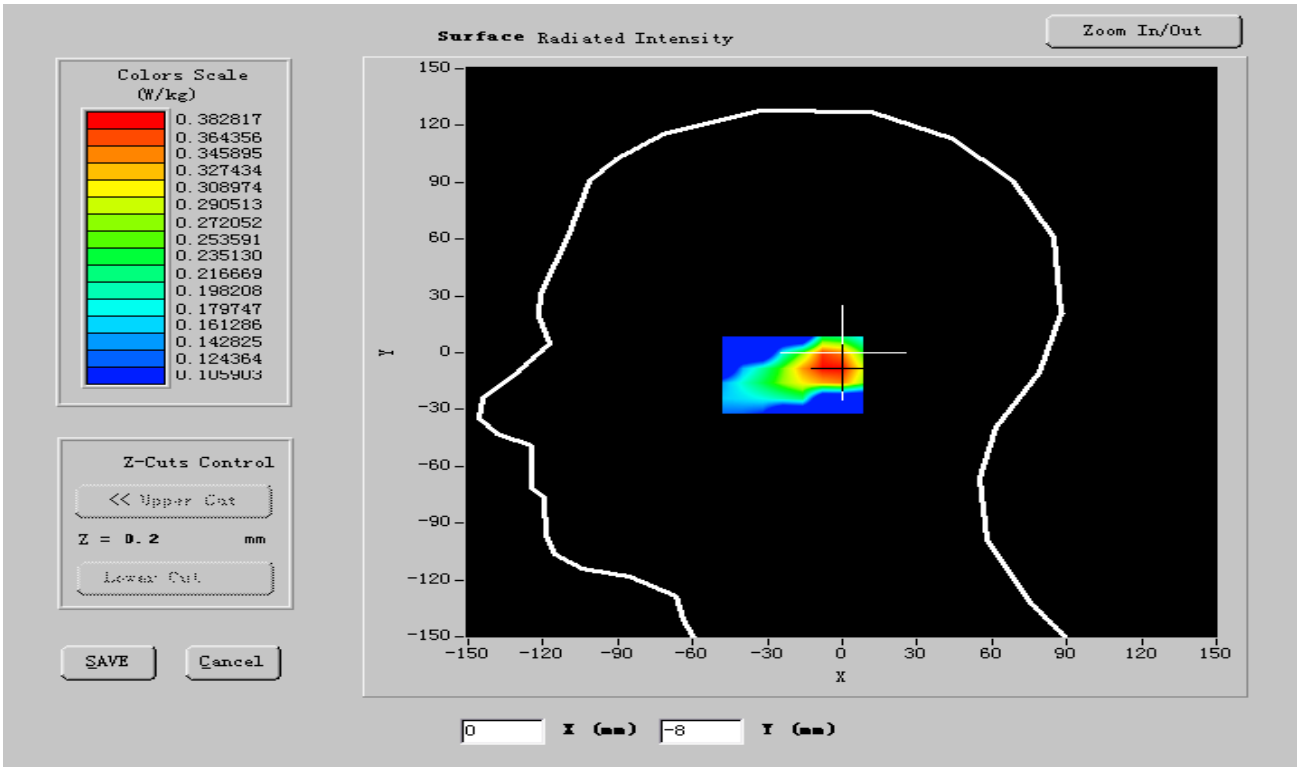
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 1900	**Antennessa (DIPI36, SN 48/05**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

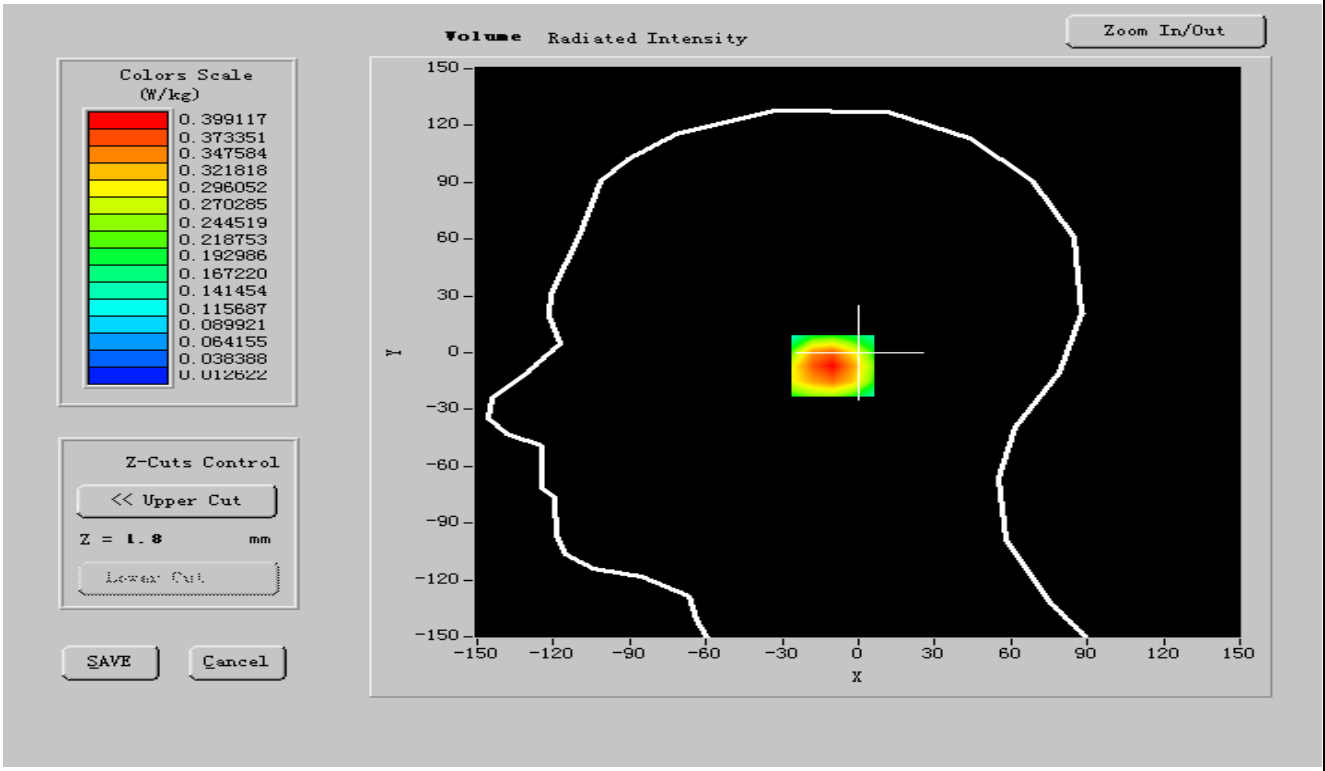
C. SAR Measurement Results

Frequency (MHz)	**1850.400024**
Relative permitivity (real part)	**40.313000**
Relative permitivity (imaginary part)	**13.584900**
Conductivity (S/m)	**1.416528**
Variation (%)	**0.400000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**41.91, 43.15, 56.44**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

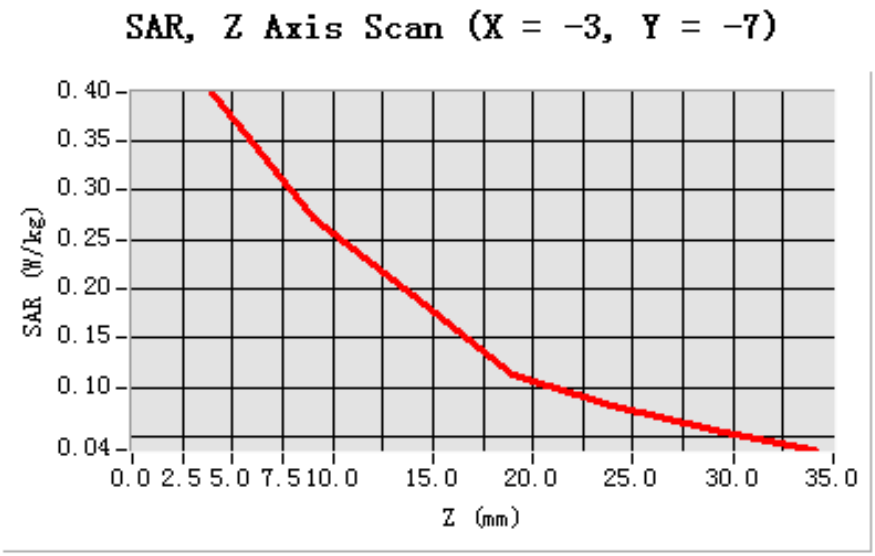


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.234679
SAR 1g (W/Kg)	0.368562

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.3610	0.2622	0.1764	0.1524	0.0764	0.0476


SAR, Z Axis Scan (X = -3, Y = -7)
SAR (W/kg)
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.04
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 8

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Left head
Device Position	Cheek
Band	GSM1900
Channels	Middle
Signal	GSM

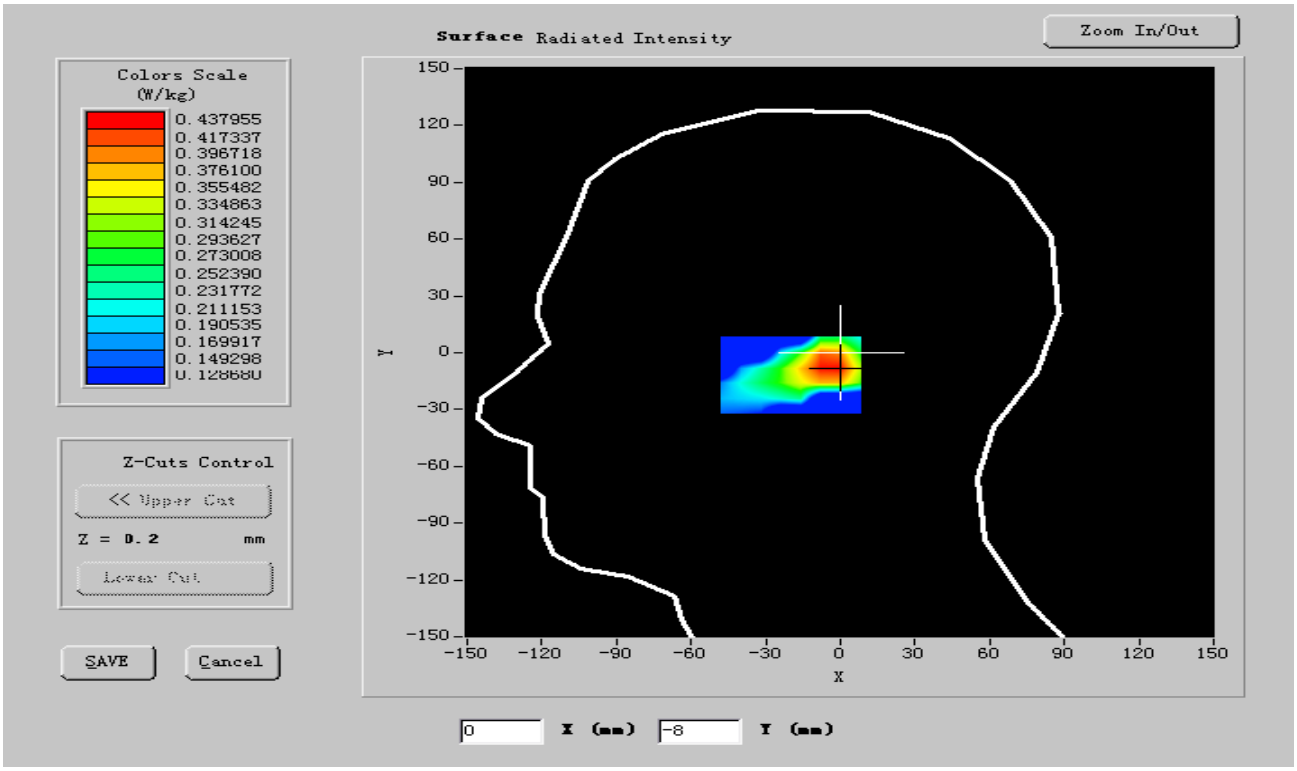
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 1900	**Antennessa (DIPI36, SN 48/05**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

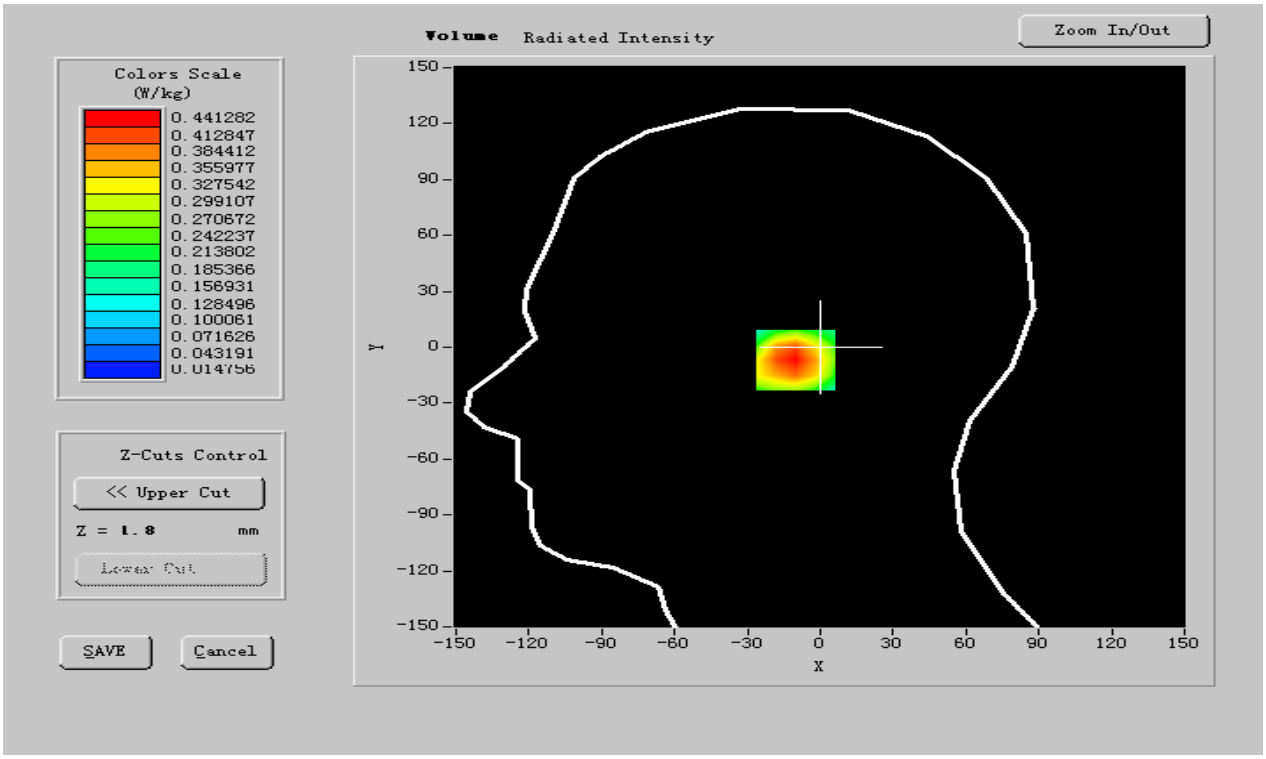
C. SAR Measurement Results

Frequency (MHz)	**1880.000000**
Relative permitivity (real part)	**40.193001**
Relative permitivity (imaginary part)	**13.813800**
Conductivity (S/m)	**1.412324**
Variation (%)	**1.300000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**41.91, 43.15, 56.44**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

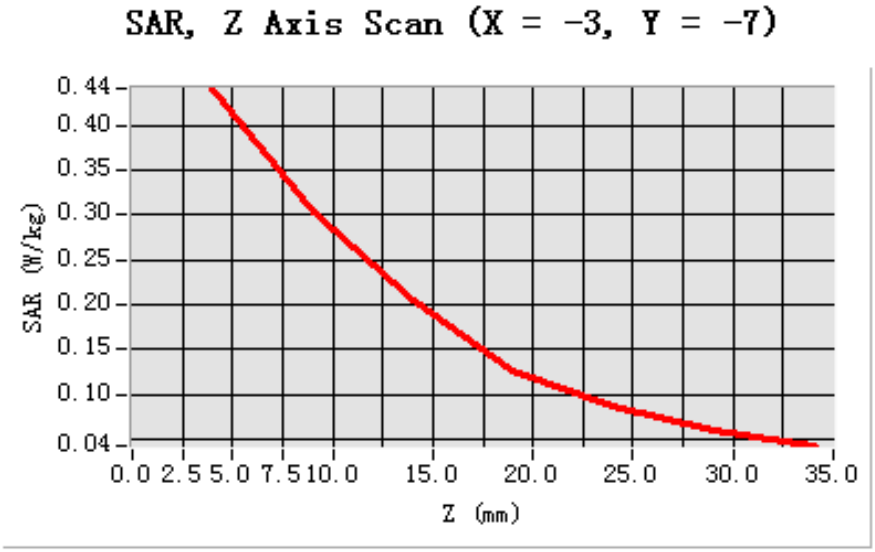


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.275461
SAR 1g (W/Kg)	0.401246

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.4233	0.2622	0.1764	0.1324	0.0664	0.0444


SAR, Z Axis Scan (X = -3, Y = -7)
SAR (W/kg)
0.44
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.04
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 9

Date of measurement: 13/10/2010

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.

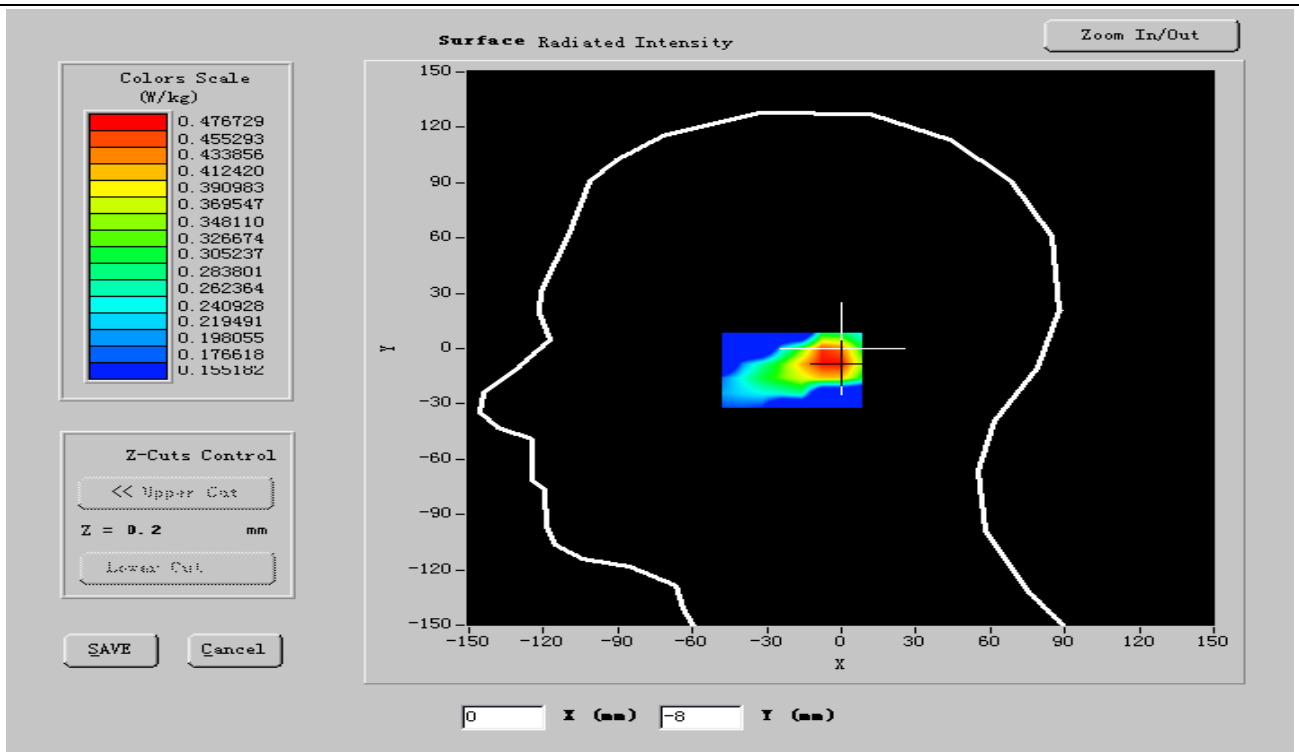
Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Left head
Device Position	Cheek
Band	GSM1900
Channels	High
Signal	GSM

B. Instrumentations.

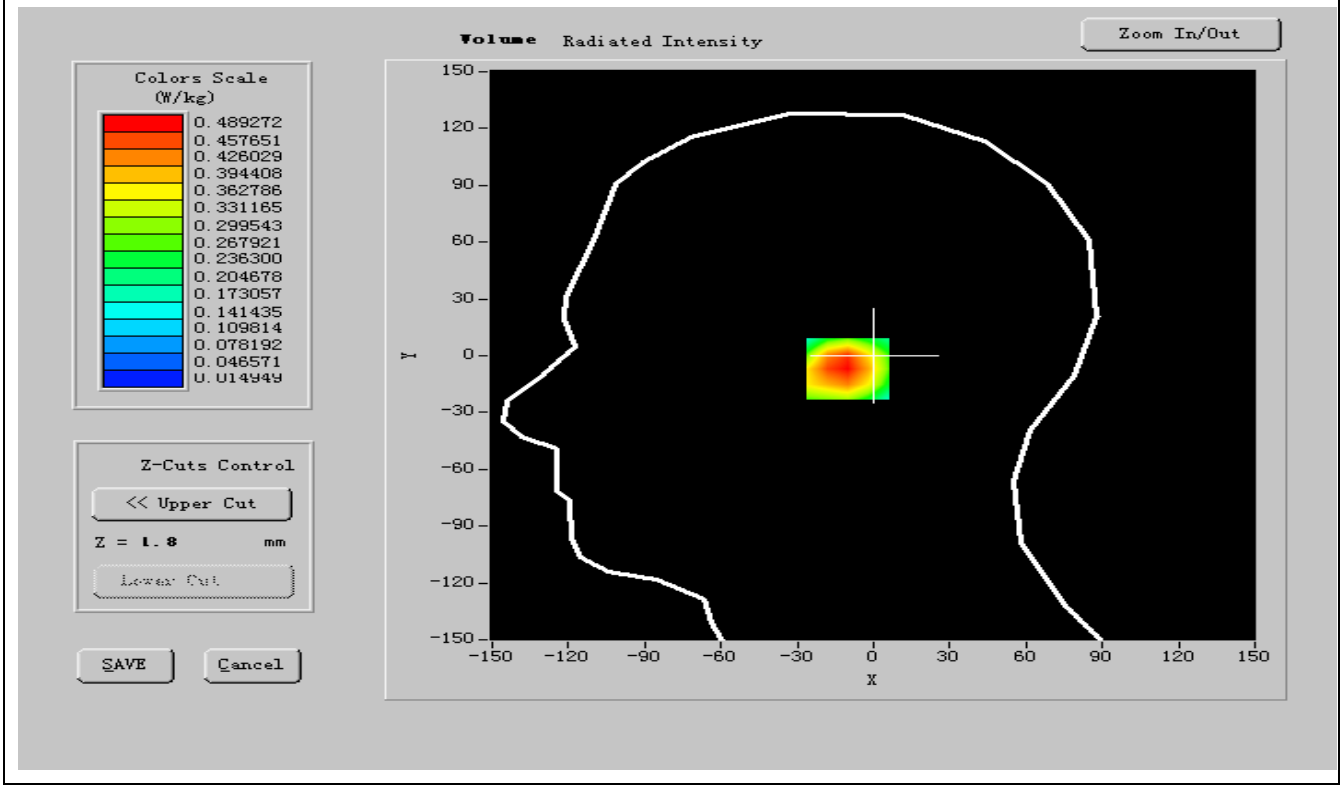
PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 1900	**Antennessa (DIPI36, SN 48/05**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

C. SAR Measurement Results

Frequency (MHz)	**1909.599976**
Relative permitivity (real part)	**40.285999**
Relative permitivity (imaginary part)	**13.669900**
Conductivity (S/m)	**1.410242**
Variation (%)	**0.400000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**41.91, 43.15, 56.44**
Crest factor：	**1:8**
SURFACE SAR	



VOLUME SAR

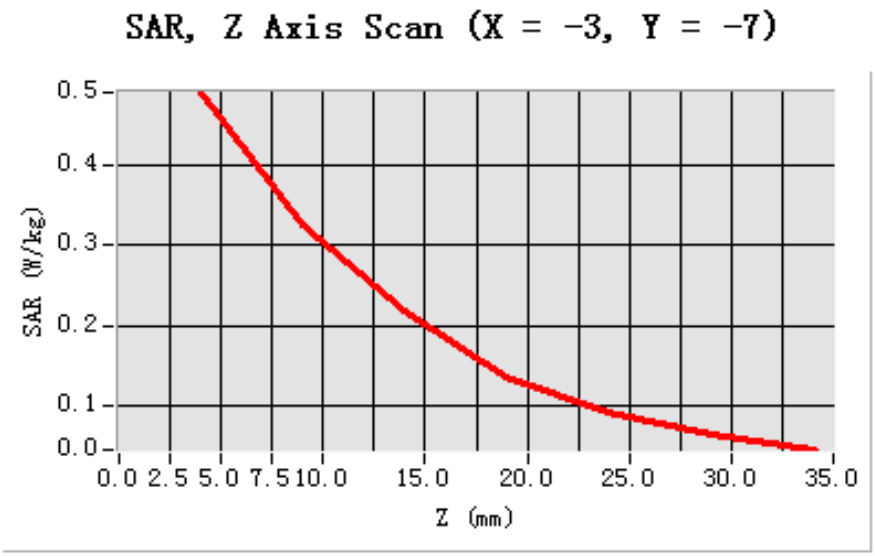


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.301561
SAR 1g (W/Kg)	0.459025

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.4490	0.3222	0.2164	0.1824	0.0864	0.0354


SAR, Z Axis Scan (X = -3, Y = -7)
SAR (W/kg)
0.5
0.4
0.3
0.2
0.1
0.0
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 10

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Left head
Device Position	Tilt
Band	GSM1900
Channels	Low
Signal	GSM

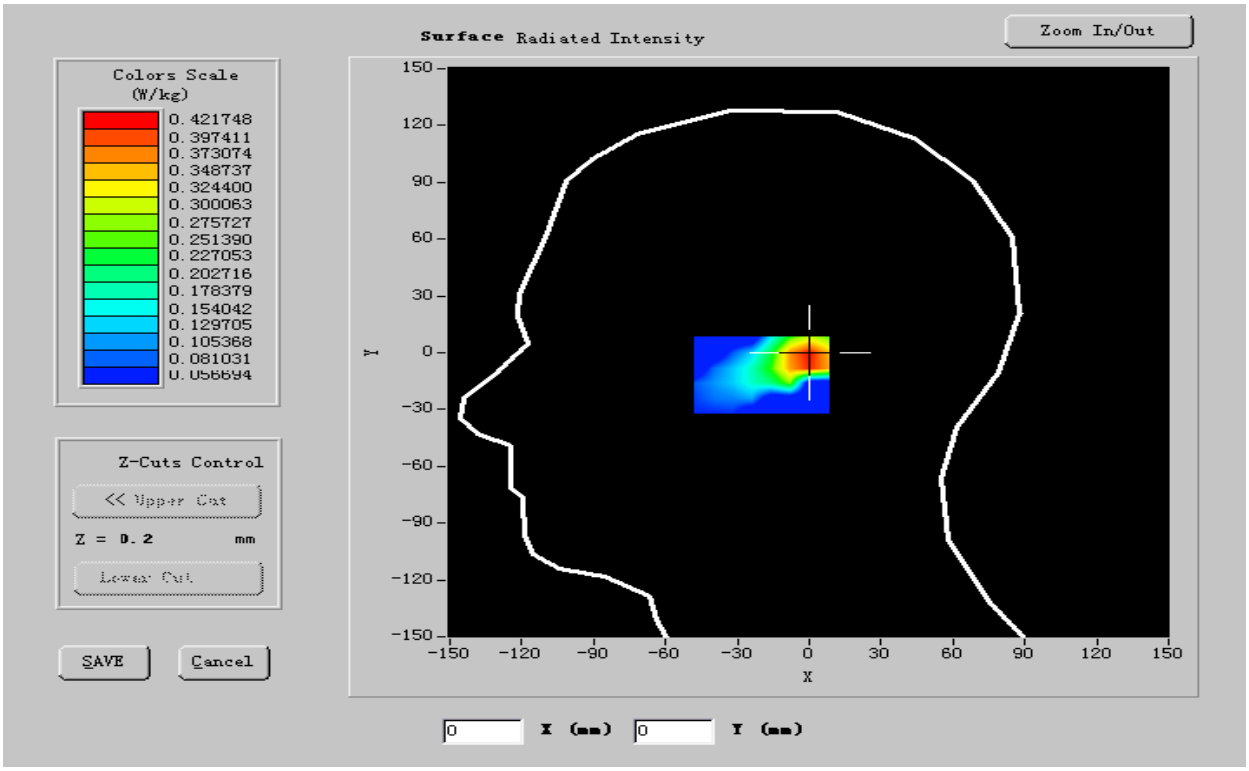
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 1900	**Antennessa (DIPI36, SN 48/05**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

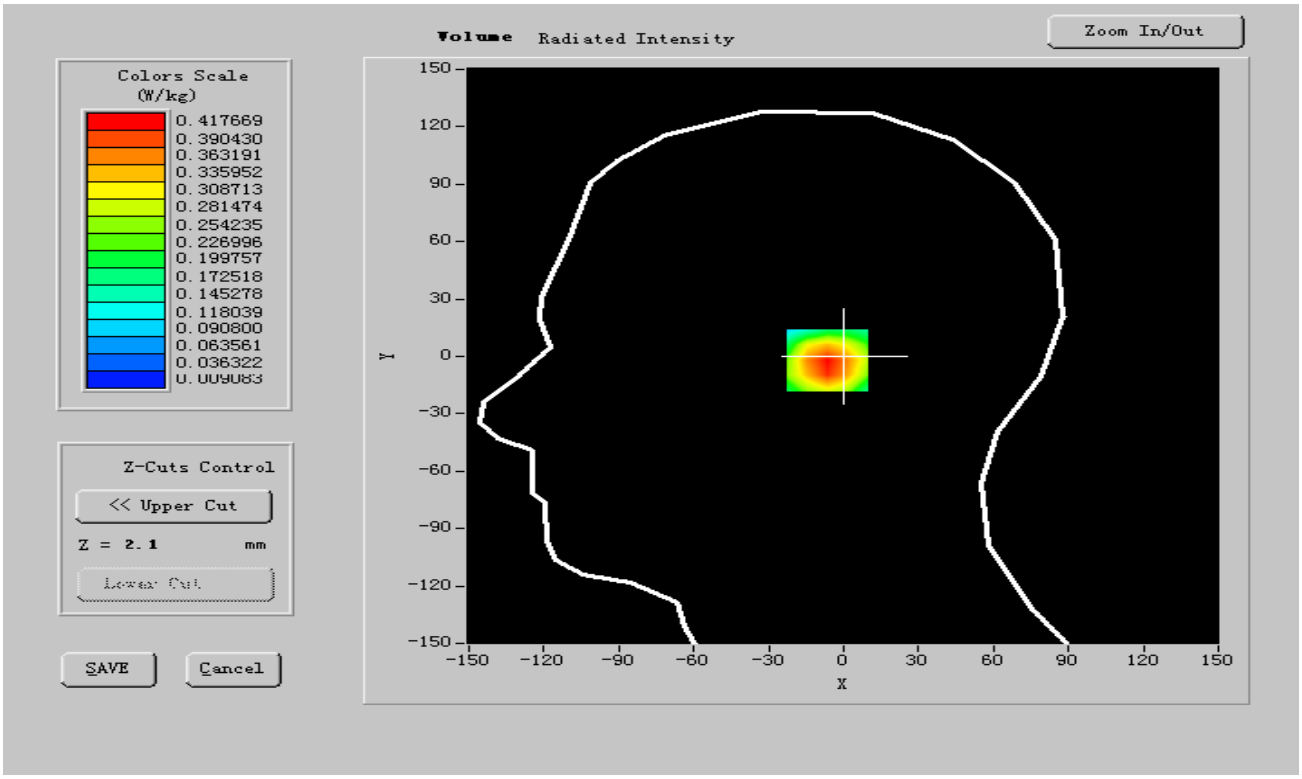
C. SAR Measurement Results

Frequency (MHz)	**1850.400024**
Relative permitivity (real part)	**40.313134**
Relative permitivity (imaginary part)	**13.584900**
Conductivity (S/m)	**1.416243**
Variation (%)	**-0.700000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**41.91, 43.15, 56.44**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

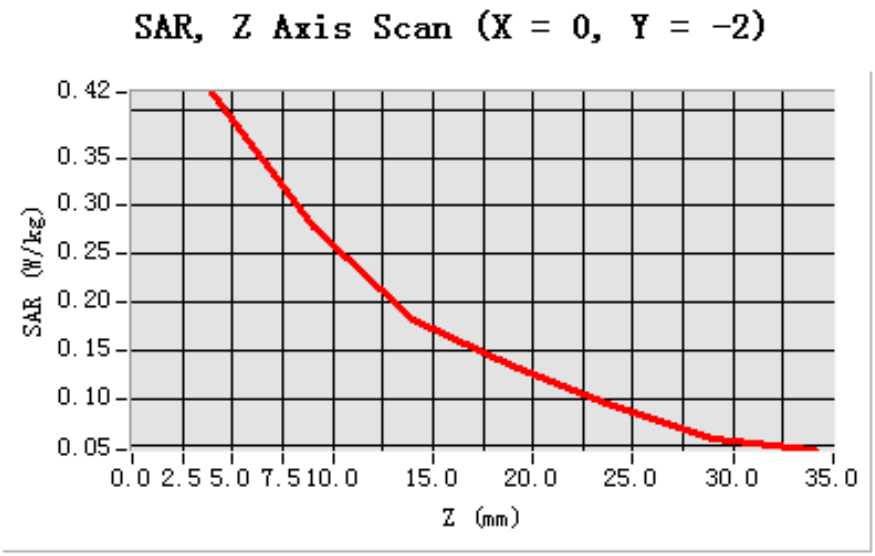


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.264912
SAR 1g (W/Kg)	0.417950

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.4032	0.3224	0.2134	0.1864	0.0864	0.0554


SAR, Z Axis Scan (X = 0, Y = -2)
SAR (W/kg)
0.42
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 11

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Left head
Device Position	Tilt
Band	GSM1900
Channels	Middle
Signal	GSM

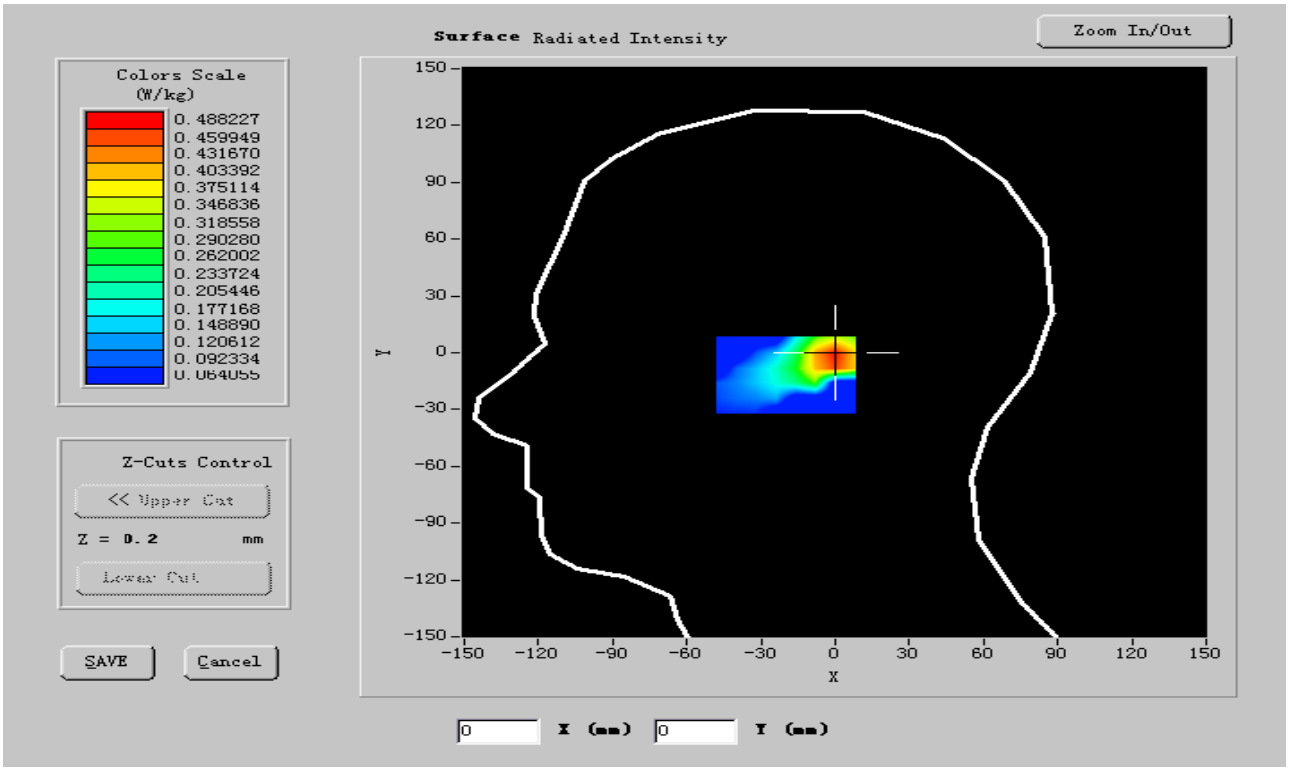
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 1900	**Antennessa (DIPI36, SN 48/05**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

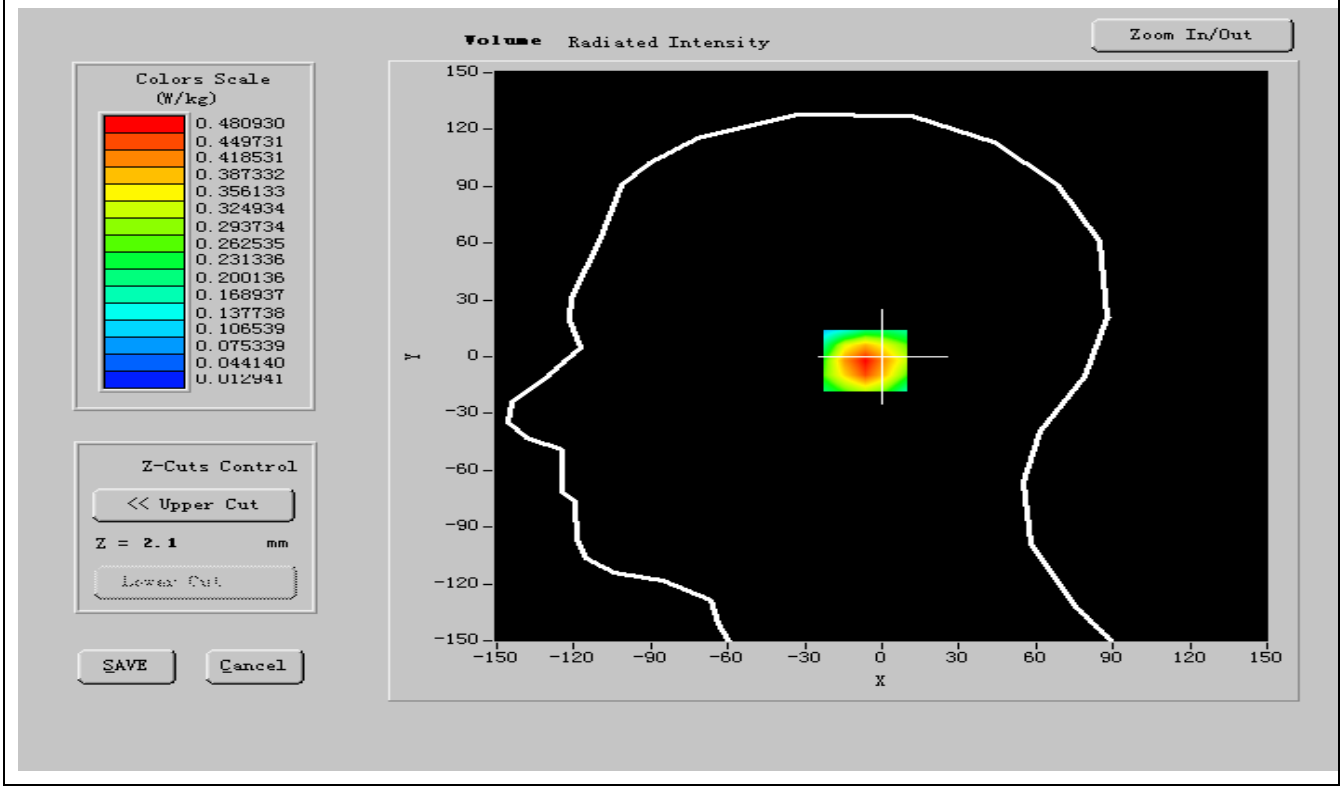
C. SAR Measurement Results

Frequency (MHz)	**1880.000000**
Relative permitivity (real part)	**40.193001**
Relative permitivity (imaginary part)	**13.813800**
Conductivity (S/m)	**1.413245**
Variation (%)	**-1.100000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**41.91, 43.15, 56.44**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

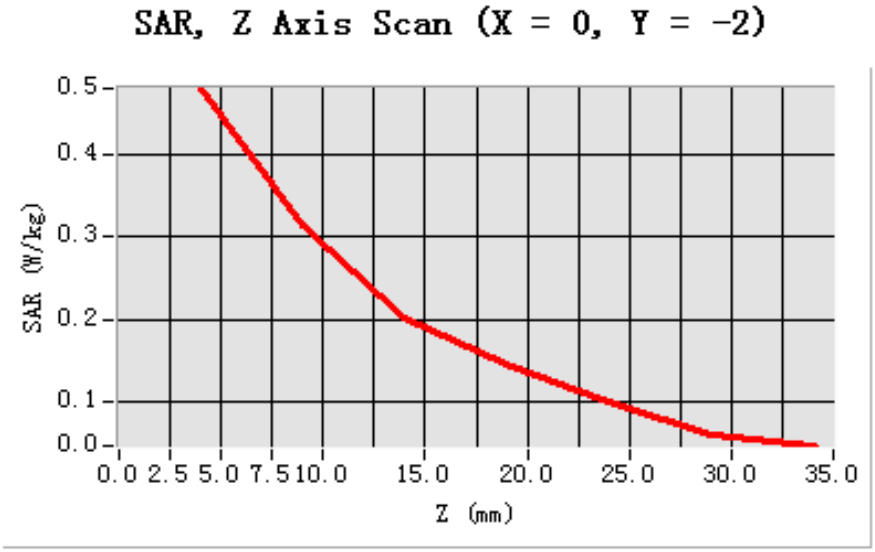


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.246123
SAR 1g (W/Kg)	0.438961

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.4468	0.3024	0.1934	0.1564	0.0864	0.0084


SAR, Z Axis Scan (X = 0, Y = -2)
SAR (W/kg)
0.5
0.4
0.3
0.2
0.1
0.0
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 12

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Left head
Device Position	Tilt
Band	GSM1900
Channels	High
Signal	GSM

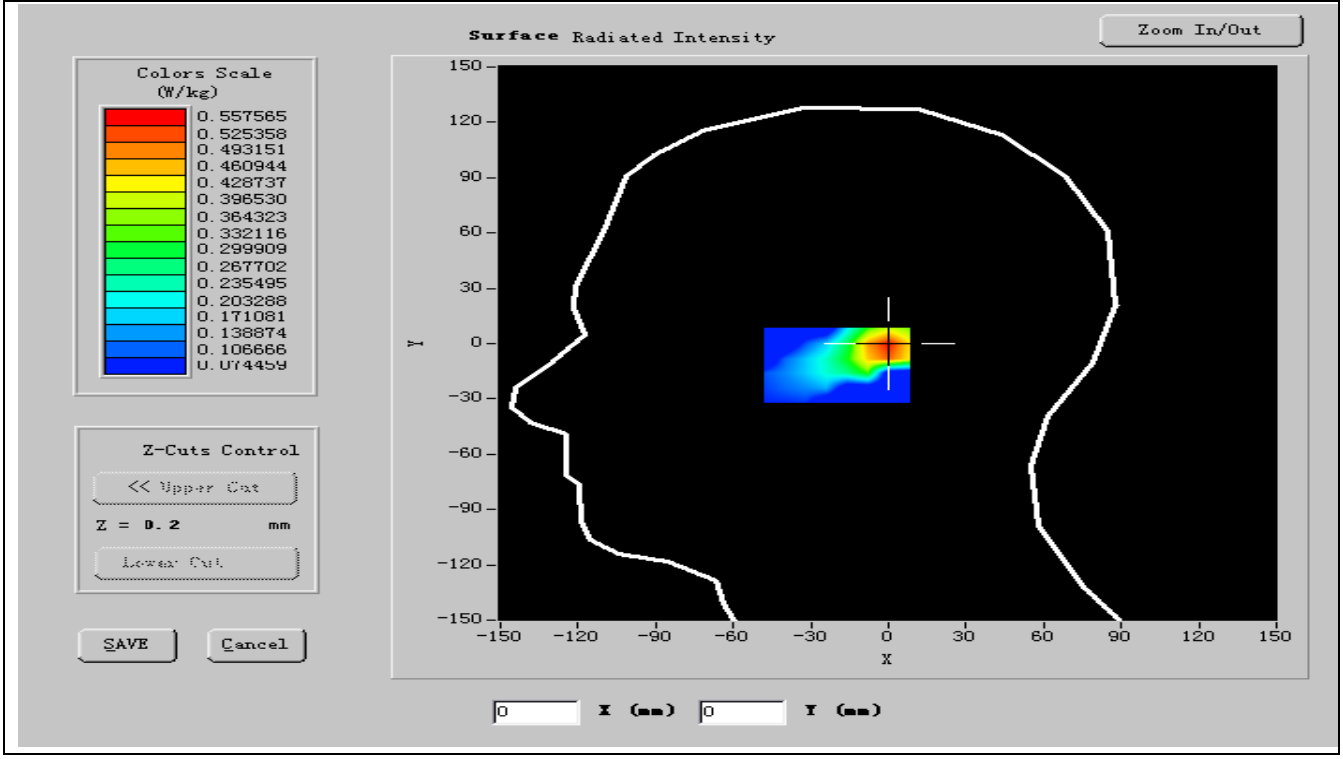
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 1900	**Antennessa (DIPI36, SN 48/05**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

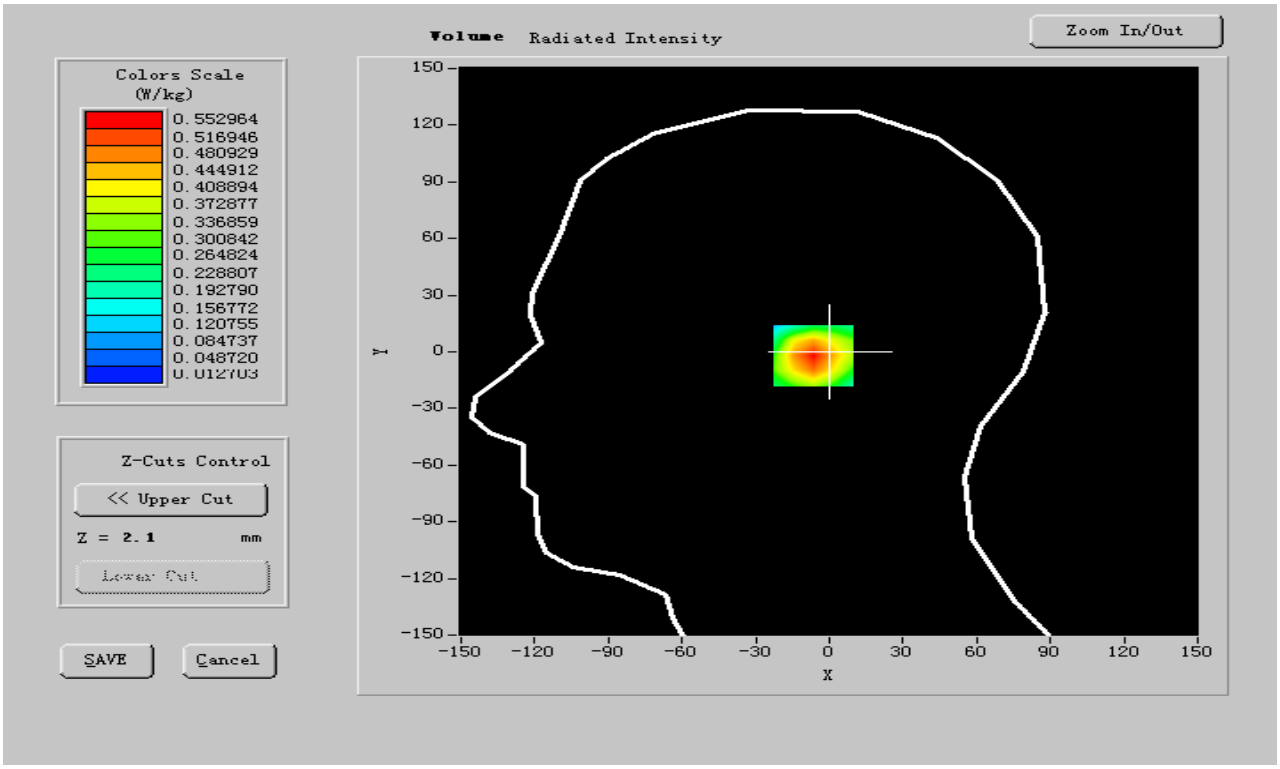
C. SAR Measurement Results

Frequency (MHz)	**1909.599976**
Relative permitivity (real part)	**40.285999**
Relative permitivity (imaginary part)	**13.669900**
Conductivity (S/m)	**1.420225**
Variation (%)	**-1.130000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**41.91, 43.15, 56.44**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

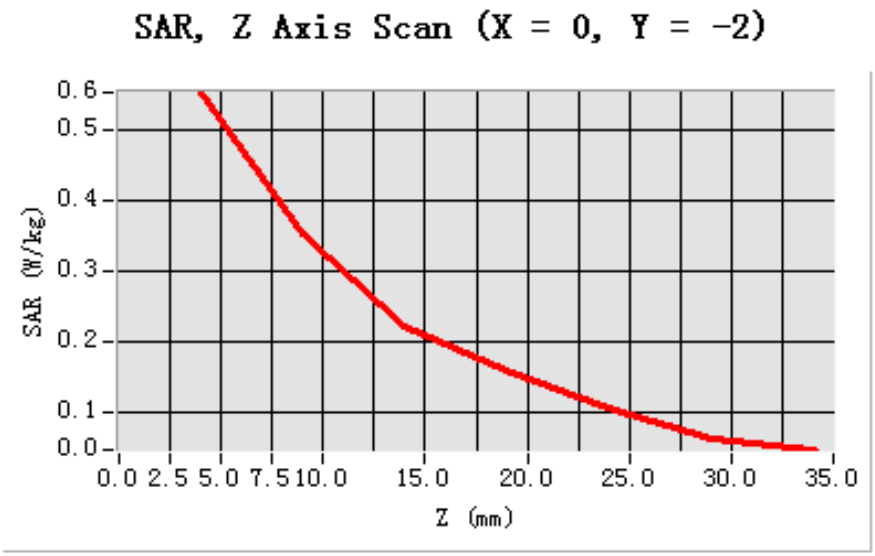


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.375231
SAR 1g (W/Kg)	0.489462

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.4877	0.3377	0.1934	0.1464	0.1264	0.0089


SAR, Z Axis Scan (X = 0, Y = -2)
SAR (W/kg)
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 13

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Body
Device Position	FrontSide toward phantom
Band	GSM1900
Channels	Low
Signal	GSM

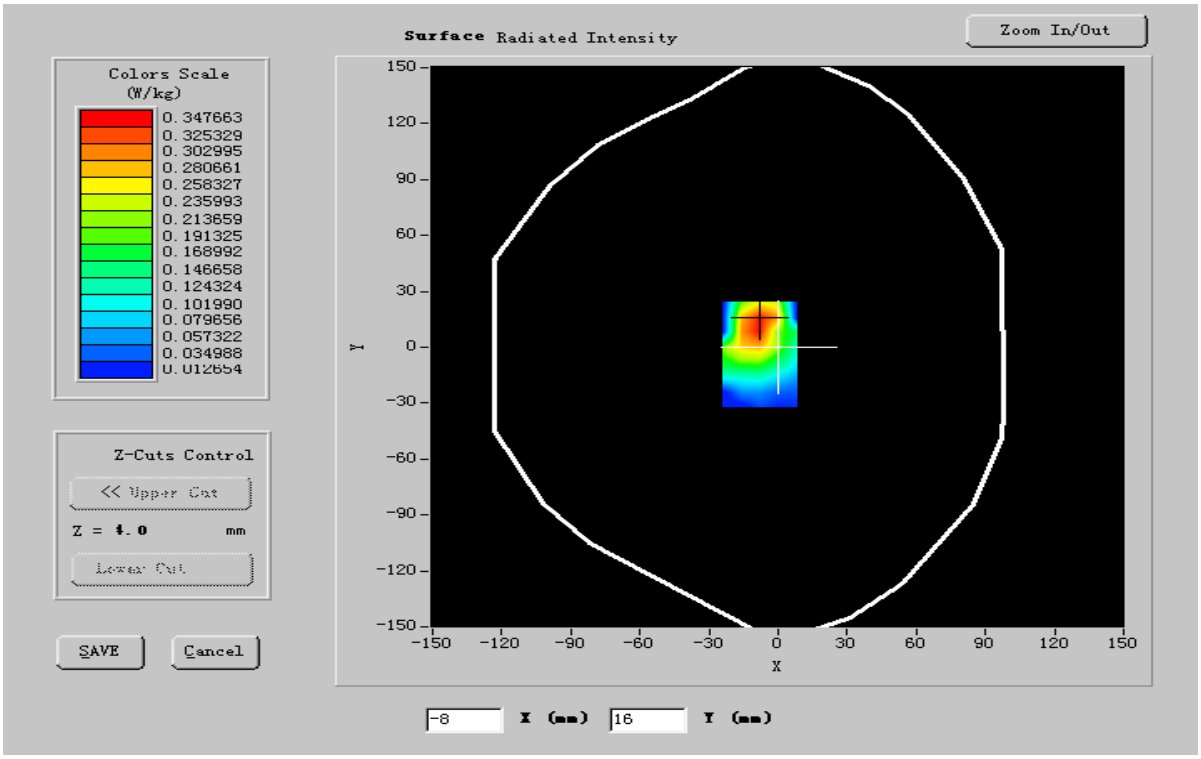
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 1900	**Antennessa (DIPI36, SN 48/05**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

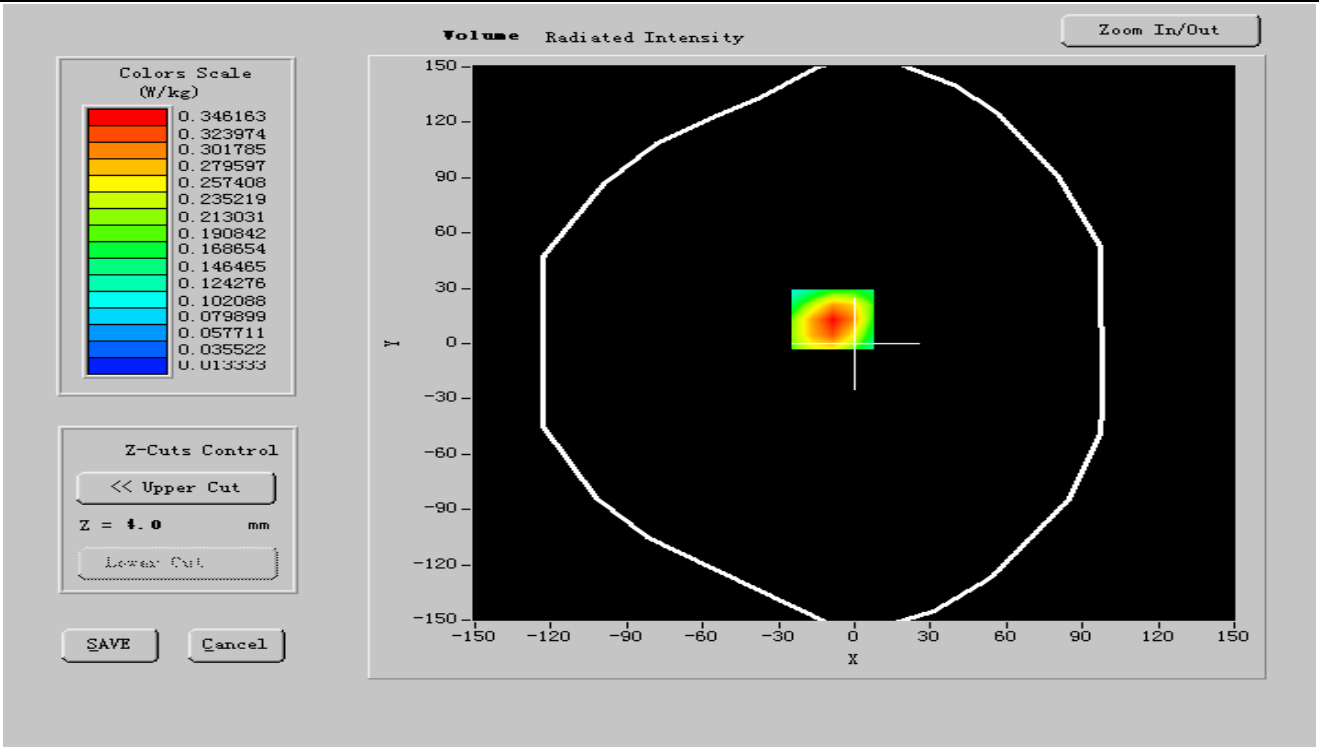
C. SAR Measurement Results

Frequency (MHz)	**1850.400024**
Relative permitivity (real part)	**52.313000**
Relative permitivity (imaginary part)	**13.584900**
Conductivity (S/m)	**1.416522**
Variation (%)	**-0.130000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**41.01, 42.41, 55.65**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

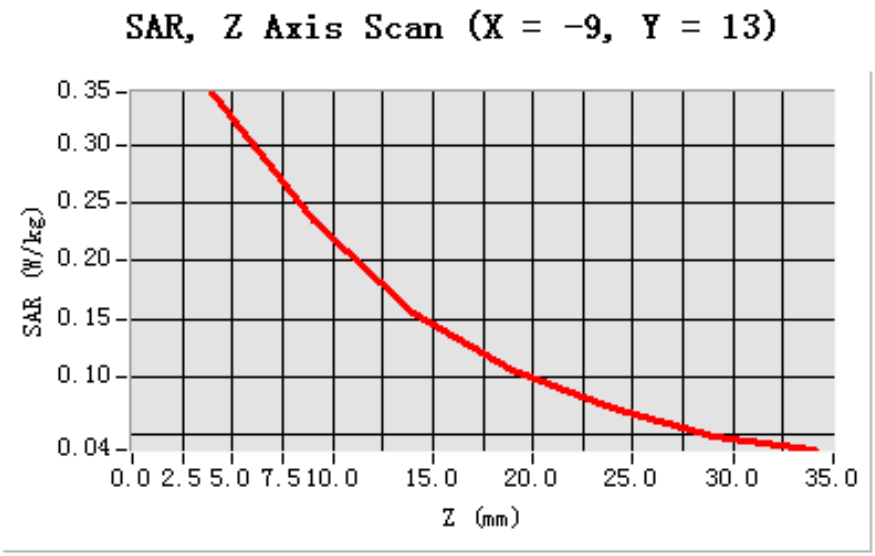


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.216794
SAR 1g (W/Kg)	0.315671

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)
SAR (W/kg)
0.35
0.30
0.25
0.20
0.15
0.10
0.04
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 14

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Body
Device Position	FrontSide toward phantom
Band	GSM1900
Channels	Middle
Signal	GSM

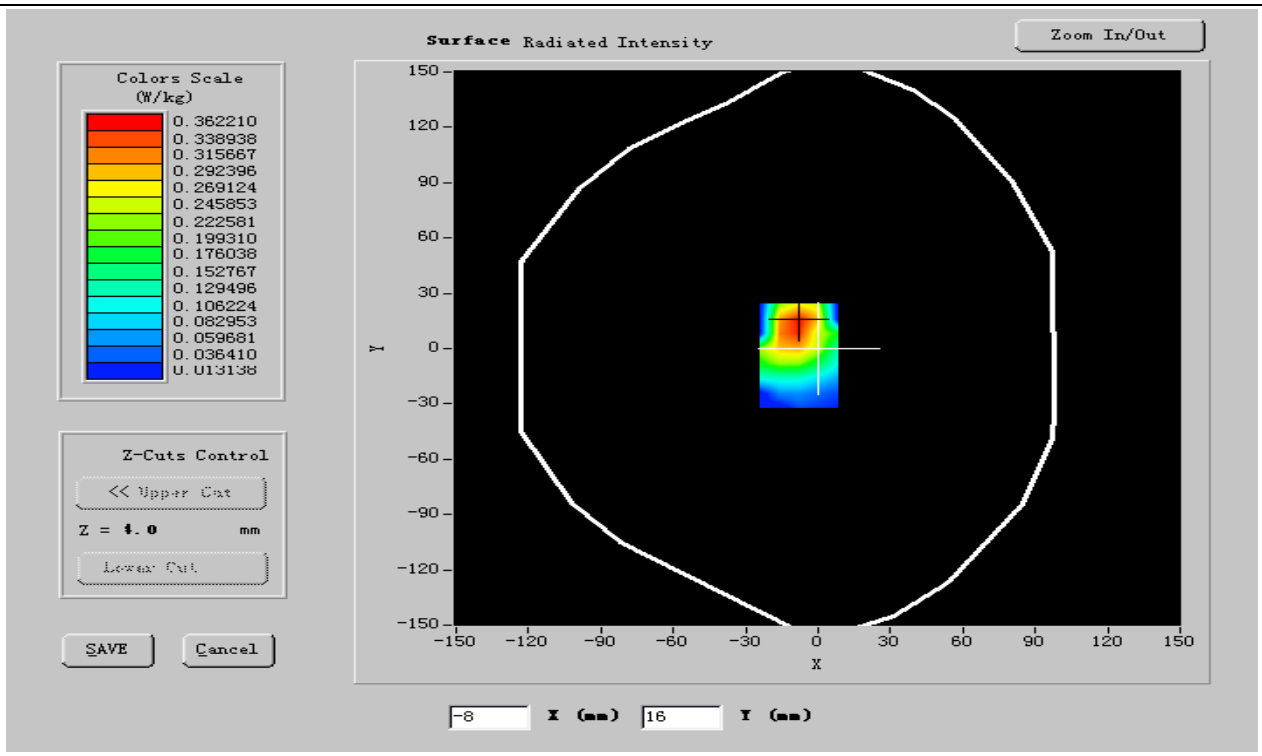
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 1900	**Antennessa (DIPI36, SN 48/05**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

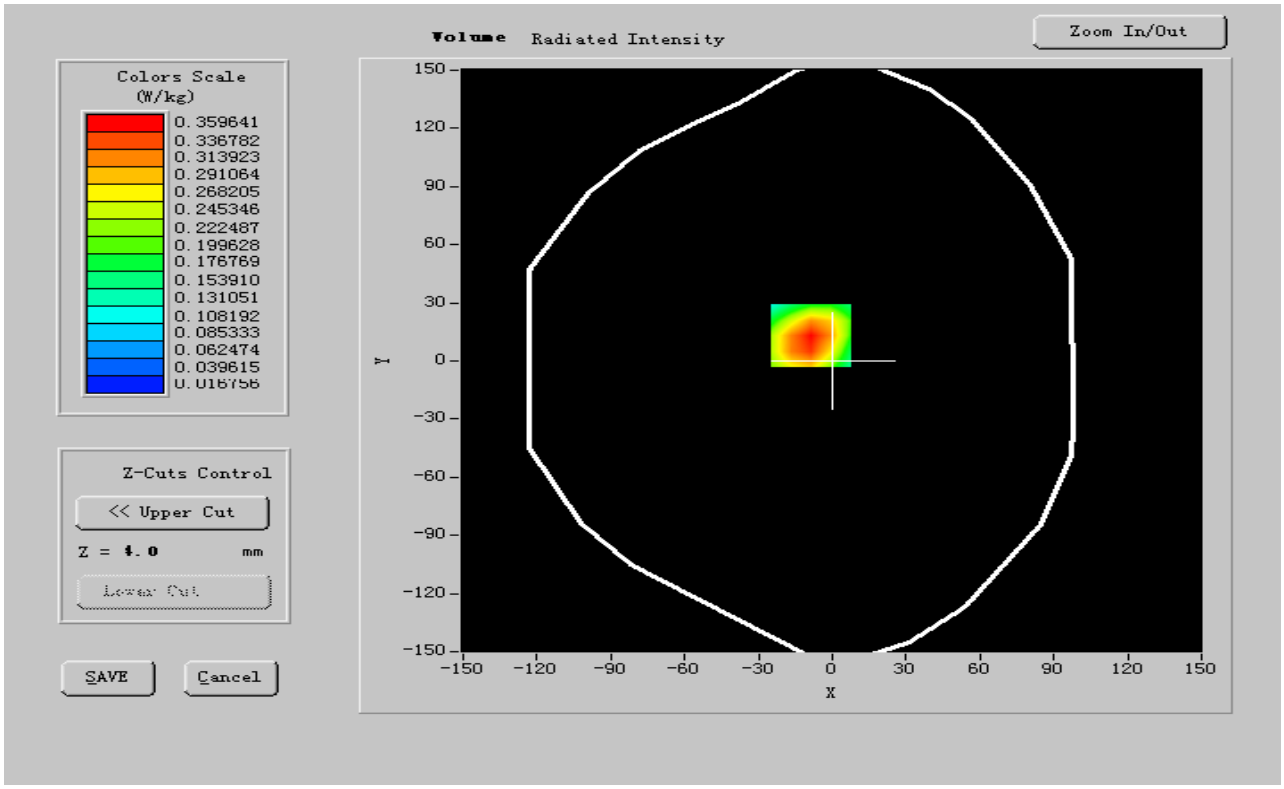
C. SAR Measurement Results

Frequency (MHz)	**1880.000000**
Relative permitivity (real part)	**52.893001**
Relative permitivity (imaginary part)	**13.813800**
Conductivity (S/m)	**1.512775**
Variation (%)	**-0.700000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**41.01, 42.41, 55.65**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

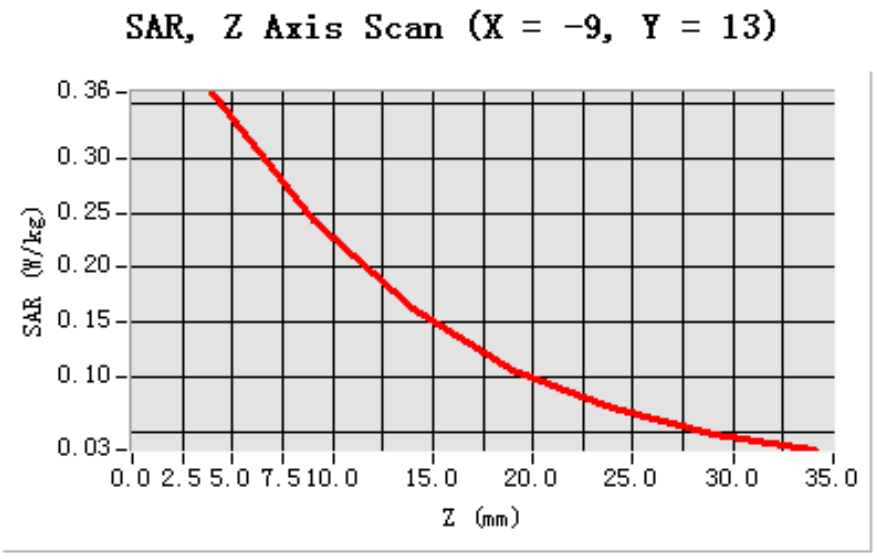


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.213497
SAR 1g (W/Kg)	0.335461

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)
SAR (W/kg)
0.36
0.30
0.25
0.20
0.15
0.10
0.03
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 15

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Body
Device Position	FrontSide toward phantom
Band	GSM1900
Channels	High
Signal	GSM

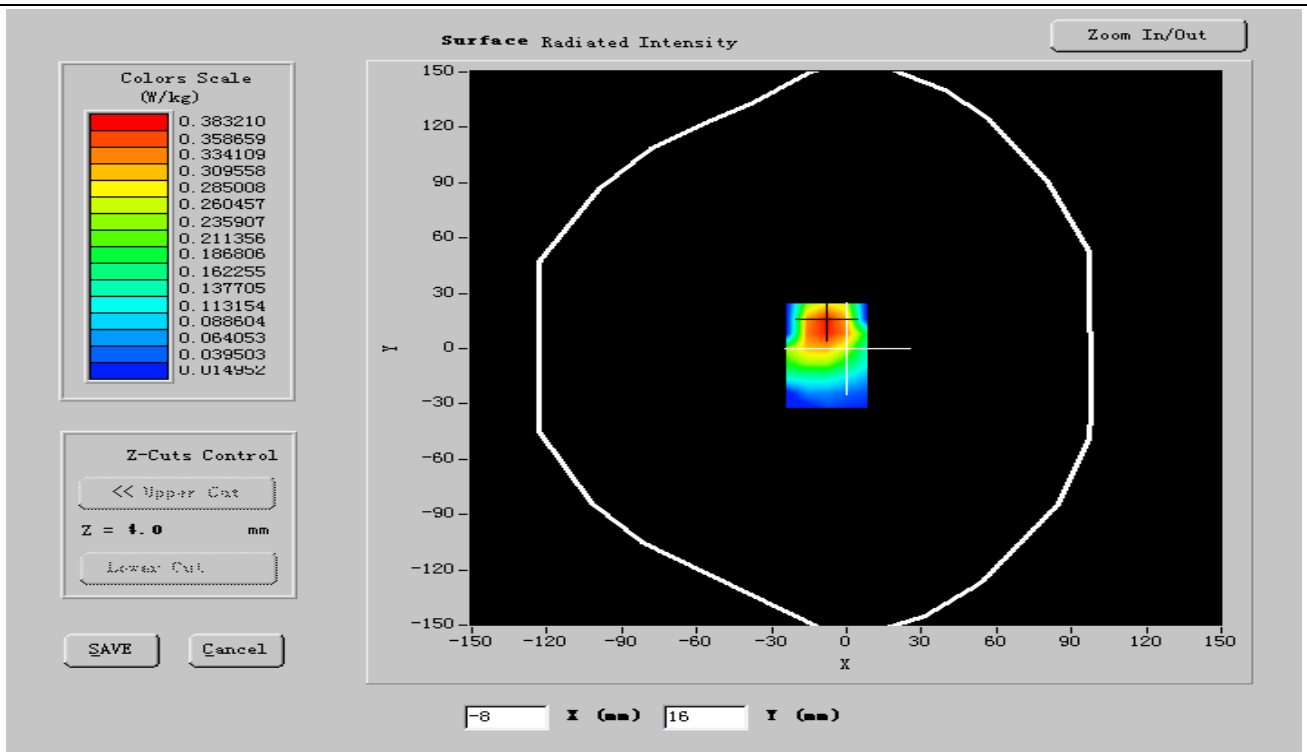
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 1900	**Antennessa (DIPI36, SN 48/05**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

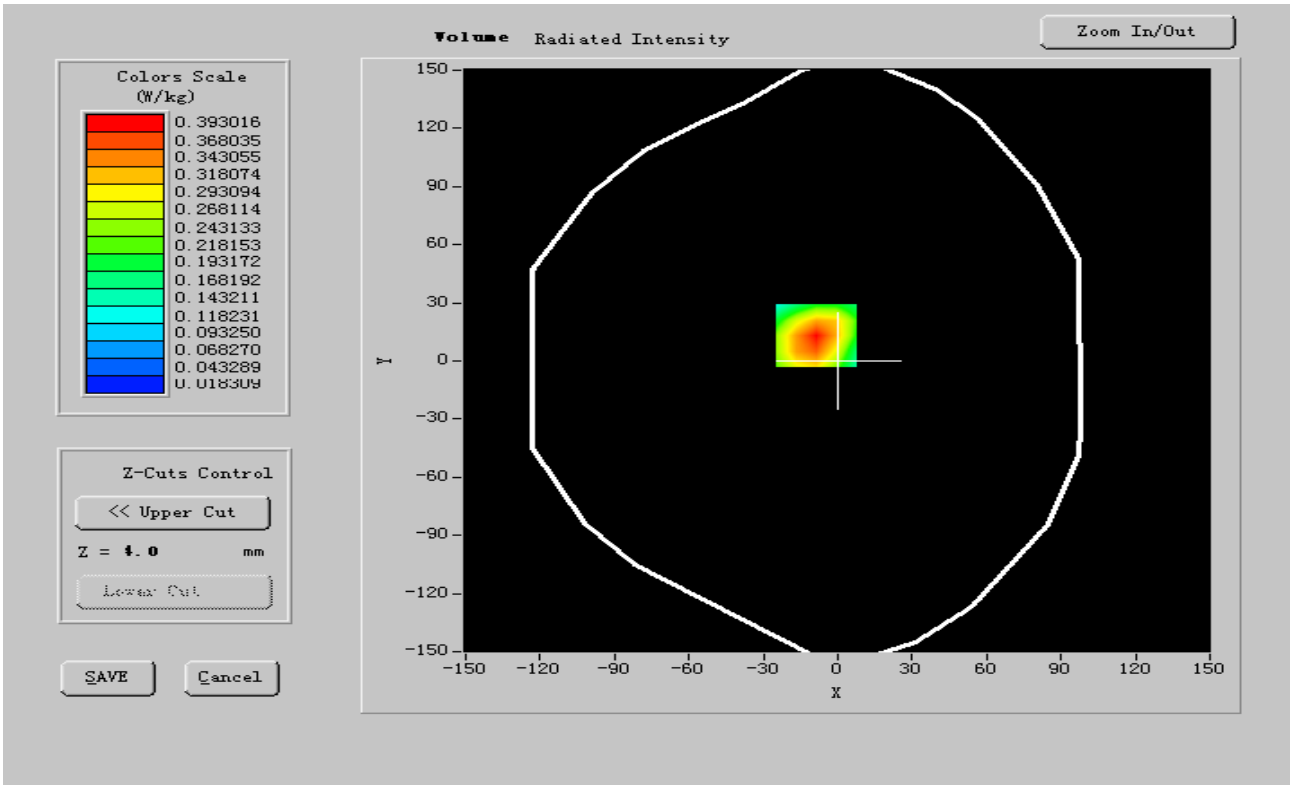
C. SAR Measurement Results

Frequency (MHz)	**1909.599976**
Relative permitivity (real part)	**52.885999**
Relative permitivity (imaginary part)	**13.669900**
Conductivity (S/m)	**1.510225**
Variation (%)	**-0.600000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**41.01, 42.41, 55.65**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

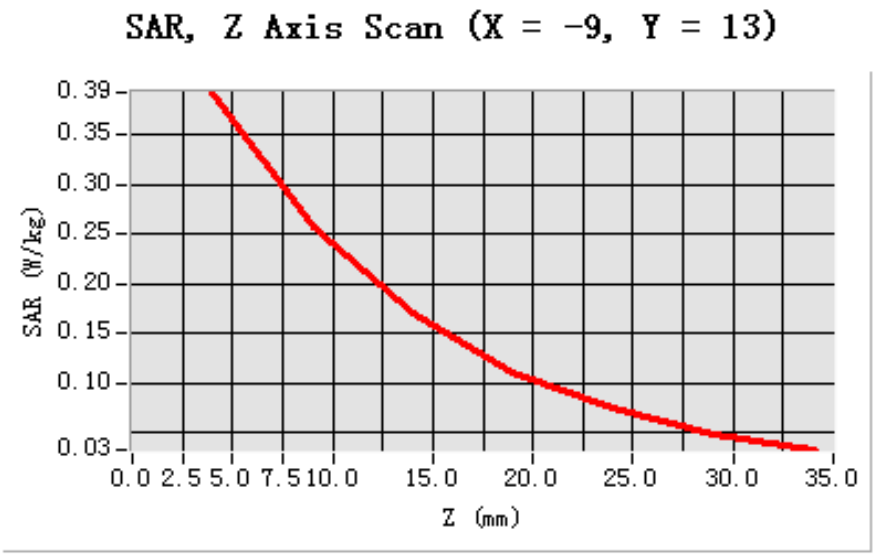


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.224497
SAR 1g (W/Kg)	0.376419

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)
SAR (W/kg)
0.39
0.35
0.30
0.25
0.20
0.15
0.10
0.03
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 16

Date of measurement: 13/10/2010

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.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Body
Device Position	FrontSide toward phantom
Band	GPRS1900
Channels	Low
Signal	GPRS

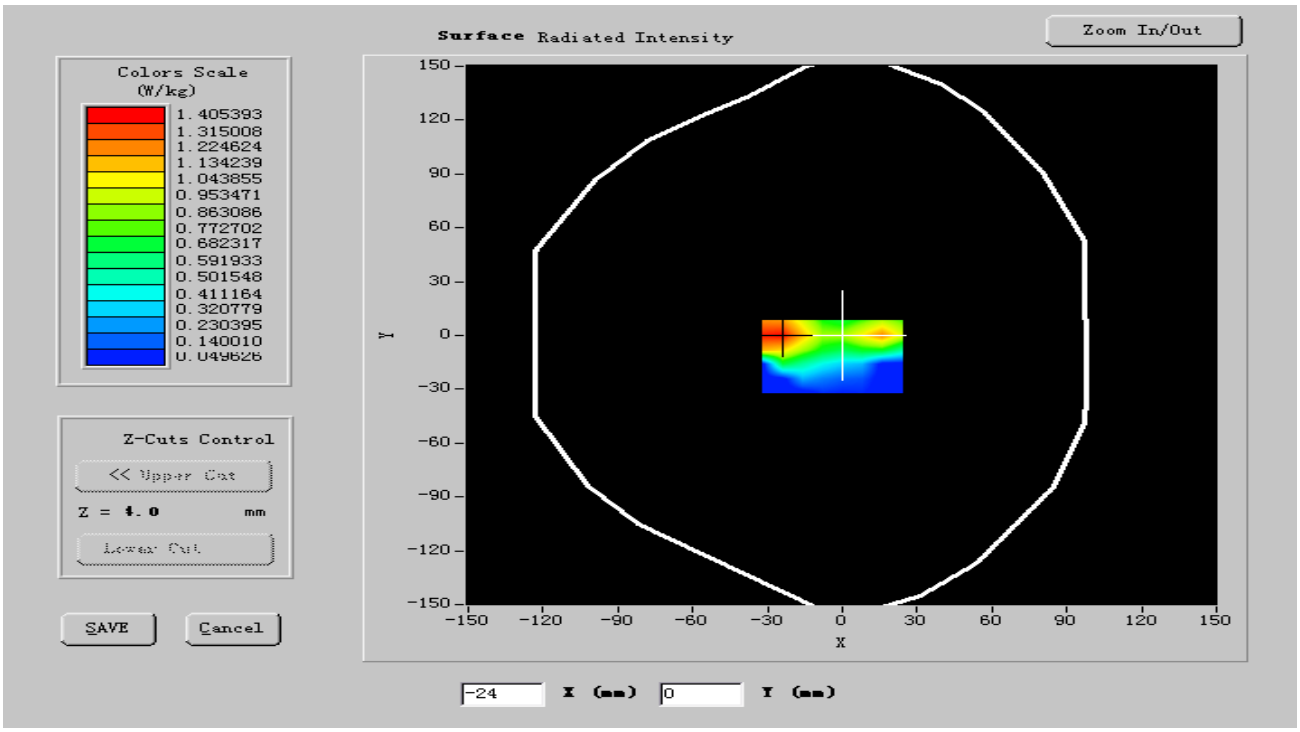
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 1900	**Antennessa (DIPI36, SN 48/05**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

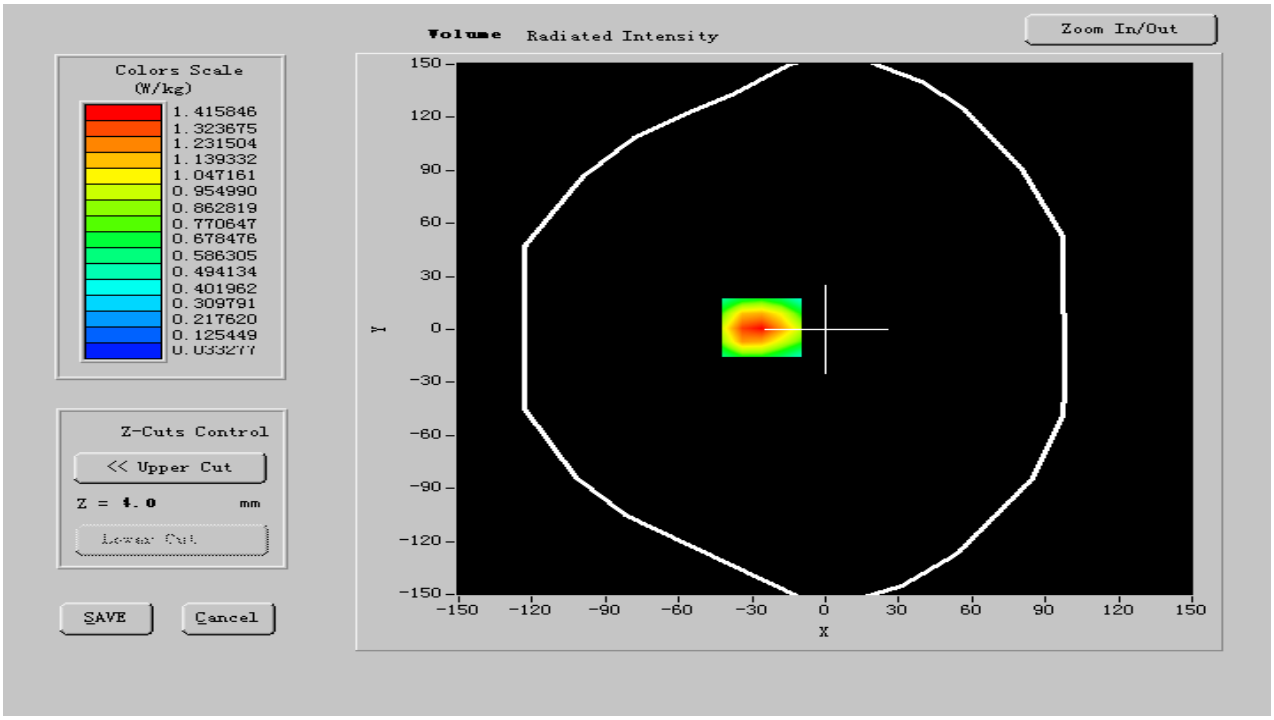
C. SAR Measurement Results

Frequency (MHz)	**1710.199951**
Relative permitivity (real part)	**52.347400**
Relative permitivity (imaginary part)	**14.450693**
Conductivity (S/m)	**1.533698**
Variation (%)	**-0.400000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**41.01, 42.41, 55.65**
Crest factor：	**1:4**

SURFACE SAR



VOLUME SAR

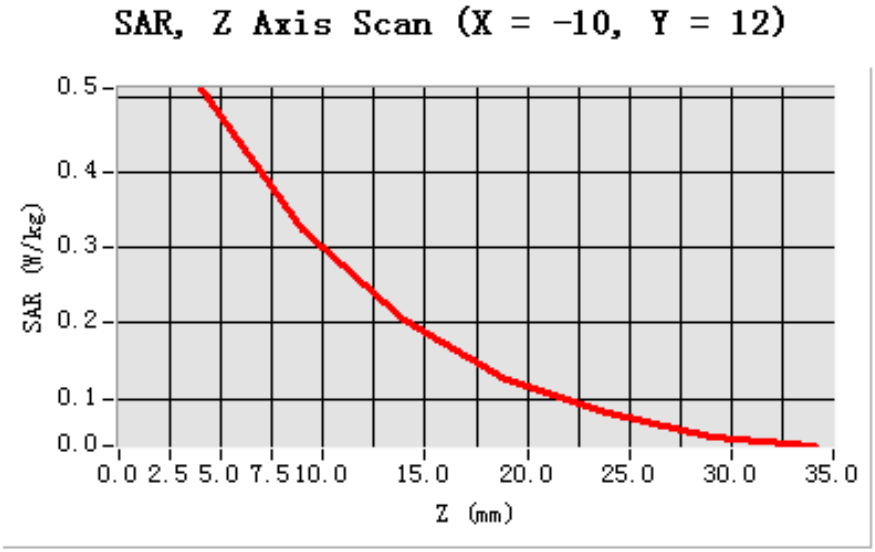


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.220349
SAR 1g (W/Kg)	0.438412

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)
SAR (W/kg)
0.5
0.4
0.3
0.2
0.1
0.0
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 17

Date of measurement: 13/10/2010

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

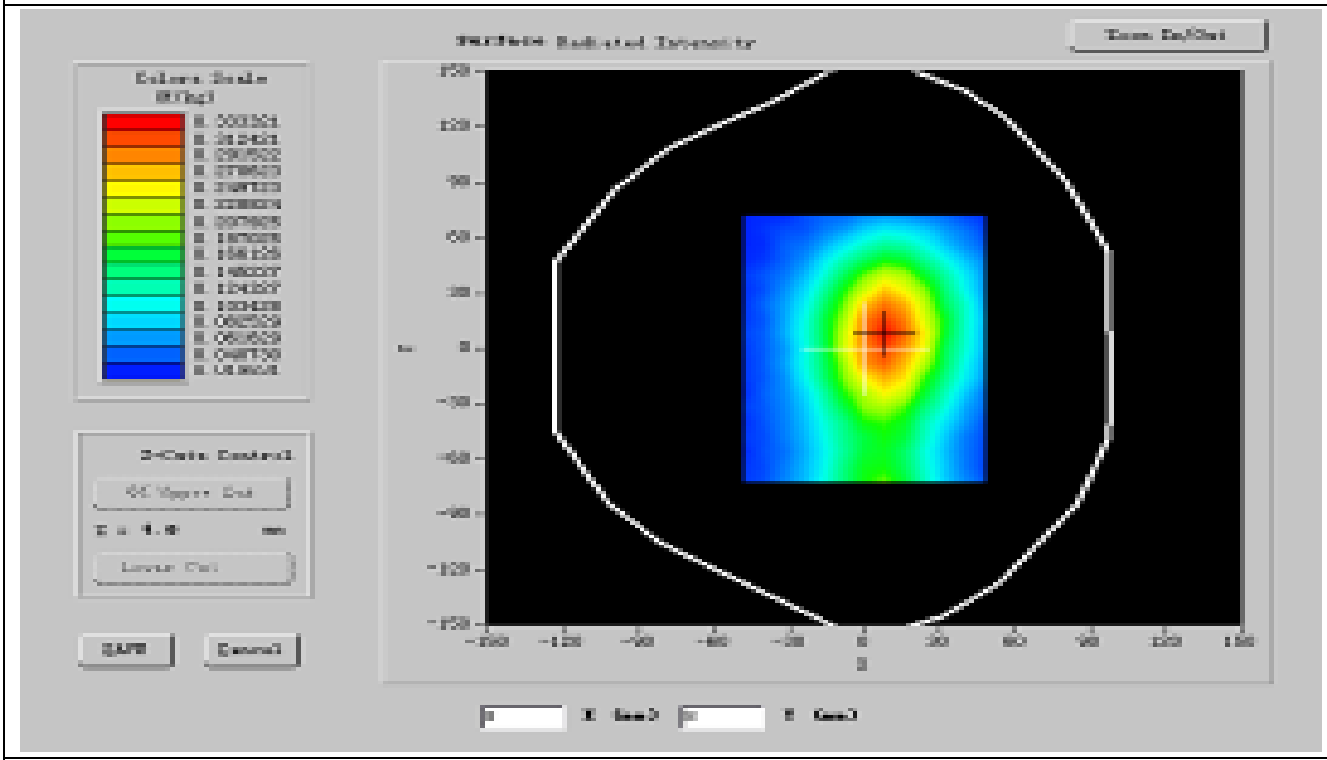
A. Experimental conditions.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Body
Device Position	FrontSide toward phantom
Band	GPRS1900
Channels	Middle
Signal	GPRS

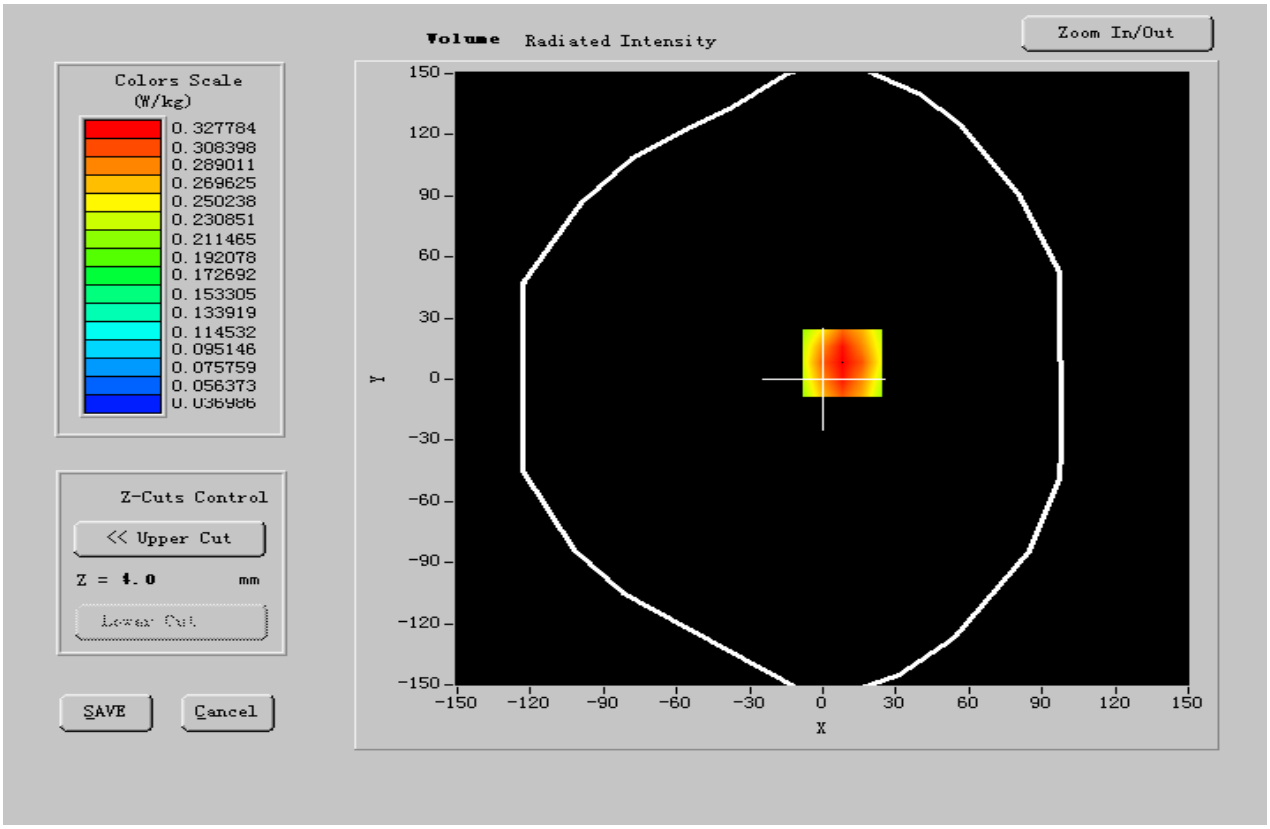
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 1900	**Antennessa (DIPI36, SN 48/05**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

C. SAR Measurement Results

Frequency (MHz)	**1747.400004**
Relative permitivity (real part)	**51.417028**
Relative permitivity (imaginary part)	**14.293556**
Conductivity (S/m)	**1.514286**
Variation (%)	**-1.010000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**41.01, 42.41, 55.65**
Crest factor：	**1:4**
SURFACE SAR	
	

VOLUME SAR

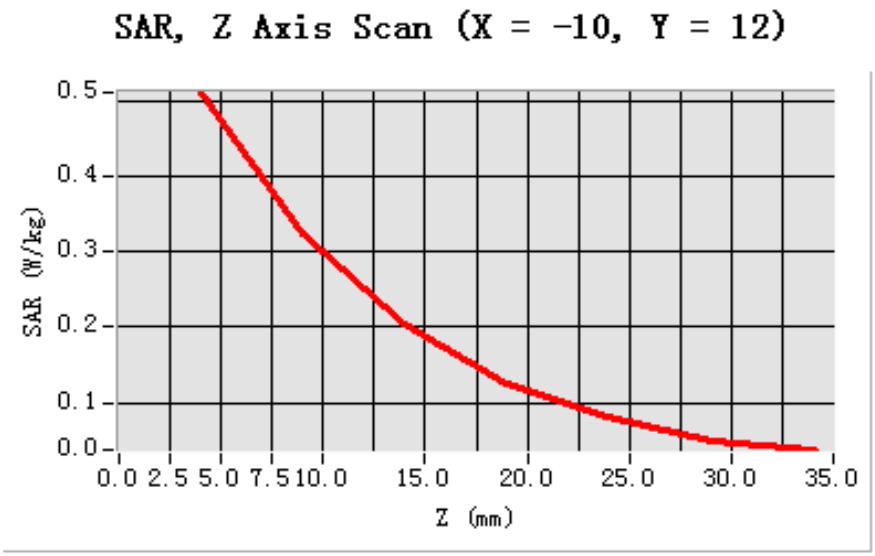


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.223794
SAR 1g (W/Kg)	0.451614

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)
SAR (W/kg)
0.5
0.4
0.3
0.2
0.1
0.0
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)

MEASUREMENT 18

Date of measurement: 13/10/2010

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.

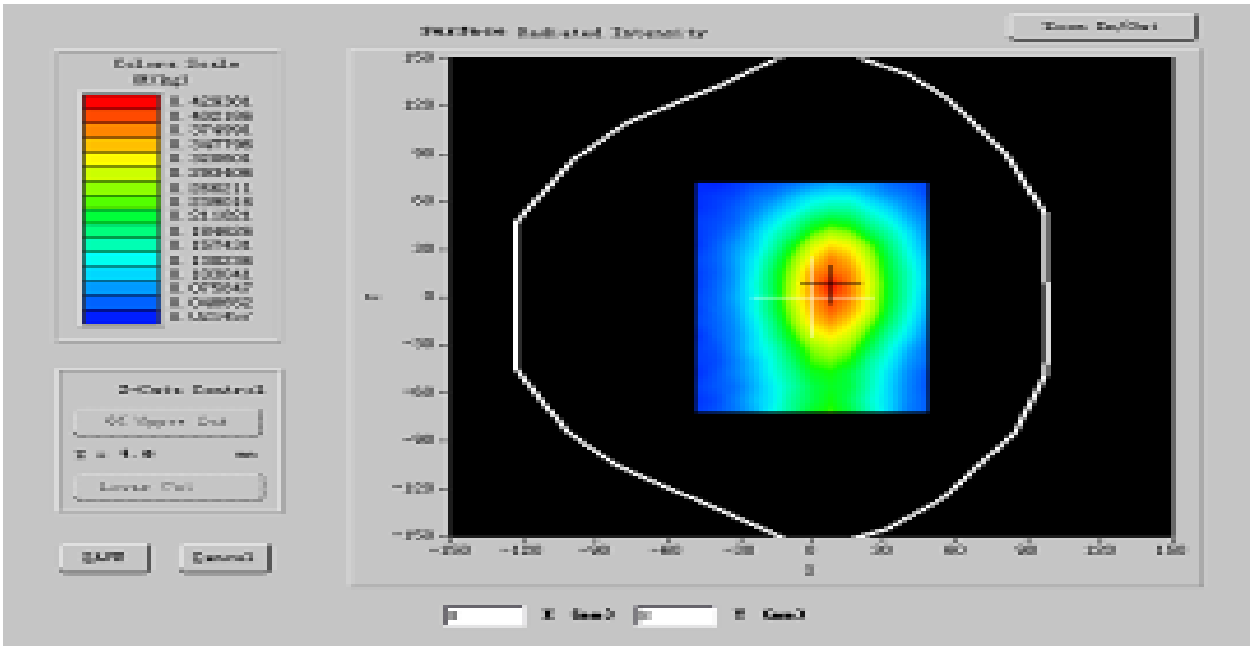
Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Body
Device Position	FrontSide toward phantom
Band	GPRS1900
Channels	High

B. Instrumentations.

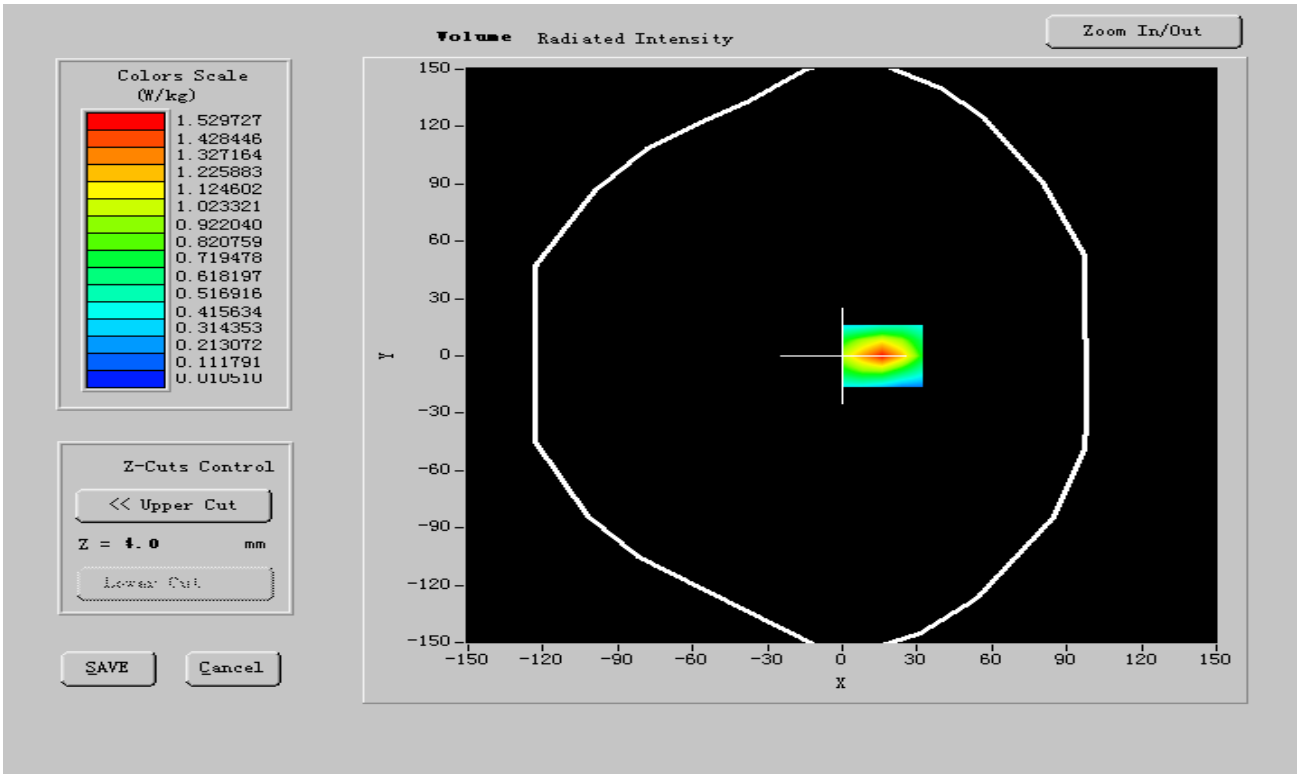
PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/10/2011**
DIPOLE 1900	**Antennessa (DIPI36, SN 48/05**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

C. SAR Measurement Results

Frequency (MHz)	**1784.599036**
Relative permitivity (real part)	**51.813332**
Relative permitivity (imaginary part)	**14.319230**
Conductivity (S/m)	**1.513224**
Variation (%)	**-0.130000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**41.01, 42.41, 55.65**
Crest factor：	**1:4**
SURFACE SAR	



VOLUME SAR

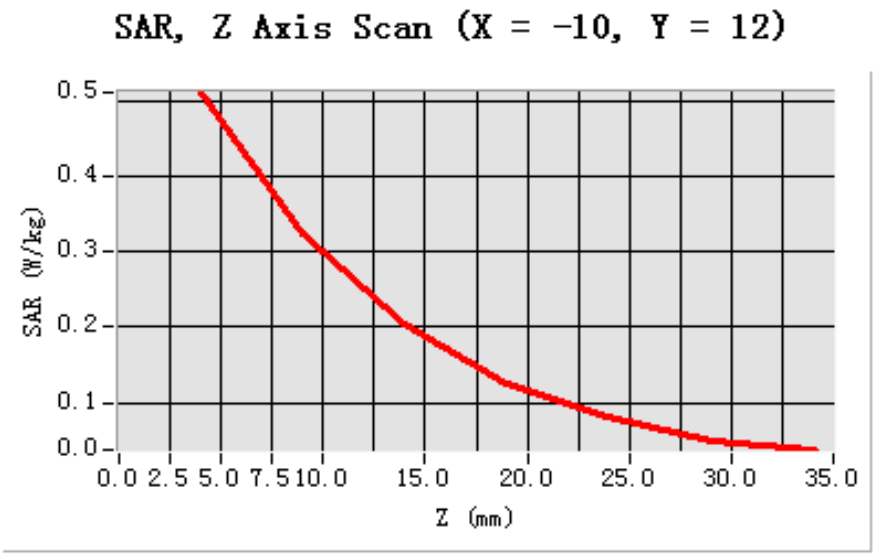


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.279134
SAR 1g (W/Kg)	0.467653

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)
SAR (W/kg)
0.5
0.4
0.3
0.2
0.1
0.0
0.0 2.5 5.0 7.5 10.0 15.0 20.0 25.0 30.0 35.0
Z (mm)