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(Bottom) Measurement 14: FrontSide toward phantom 15mm, Middle Channel in GSM850 mode(Bottom) Measurement 15: FrontSide toward phantom 15mm, High Channel in GSM850 mode(Bottom) Measurement 16: FrontSide toward phantom 15mm, Low Channel in GSM850 mode(Top) Measurement 17: FrontSide toward phantom 15mm, Middle Channel in GSM850 mode(Top) Measurement 18: FrontSide toward phantom 15mm, High Channel in GSM850 mode(Top)

	Measurement 19: FrontSide toward phantom 15mm, Low Channel in GPRS850 mode(Bottom) Measurement 20: FrontSide toward phantom 15mm, Middle Channel in GPRS850 mode(Bottom) Measurement 21: FrontSide toward phantom 15mm, High Channel in GPRS850 mode(Bottom) Measurement 22: FrontSide toward phantom 15mm, Low Channel in GPRS850 mode(Top) Measurement 23: FrontSide toward phantom 15mm, Middle Channel in GPRS850 mode(Top) Measurement 24: FrontSide toward phantom 15mm, High Channel in GPRS850 mode(Top)

MEASUREMENT 1

Date of measurement: 24/9/2010

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

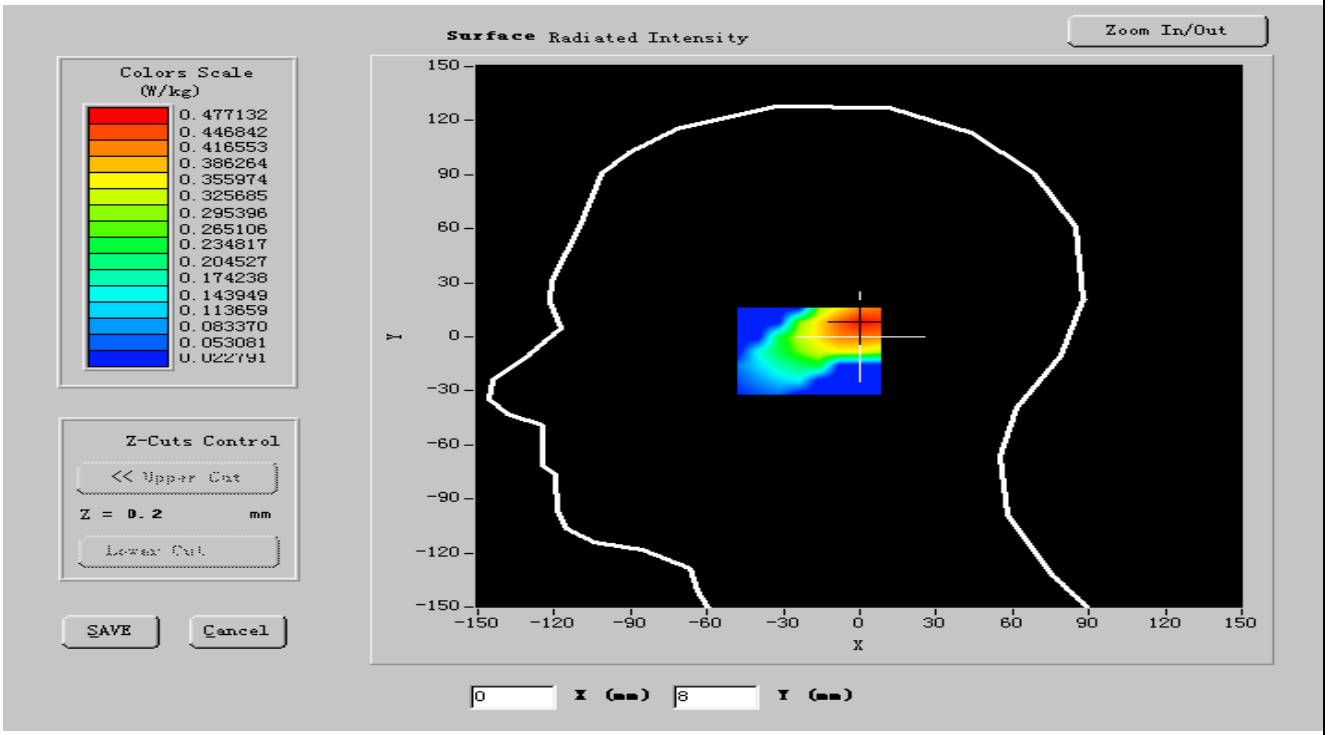
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

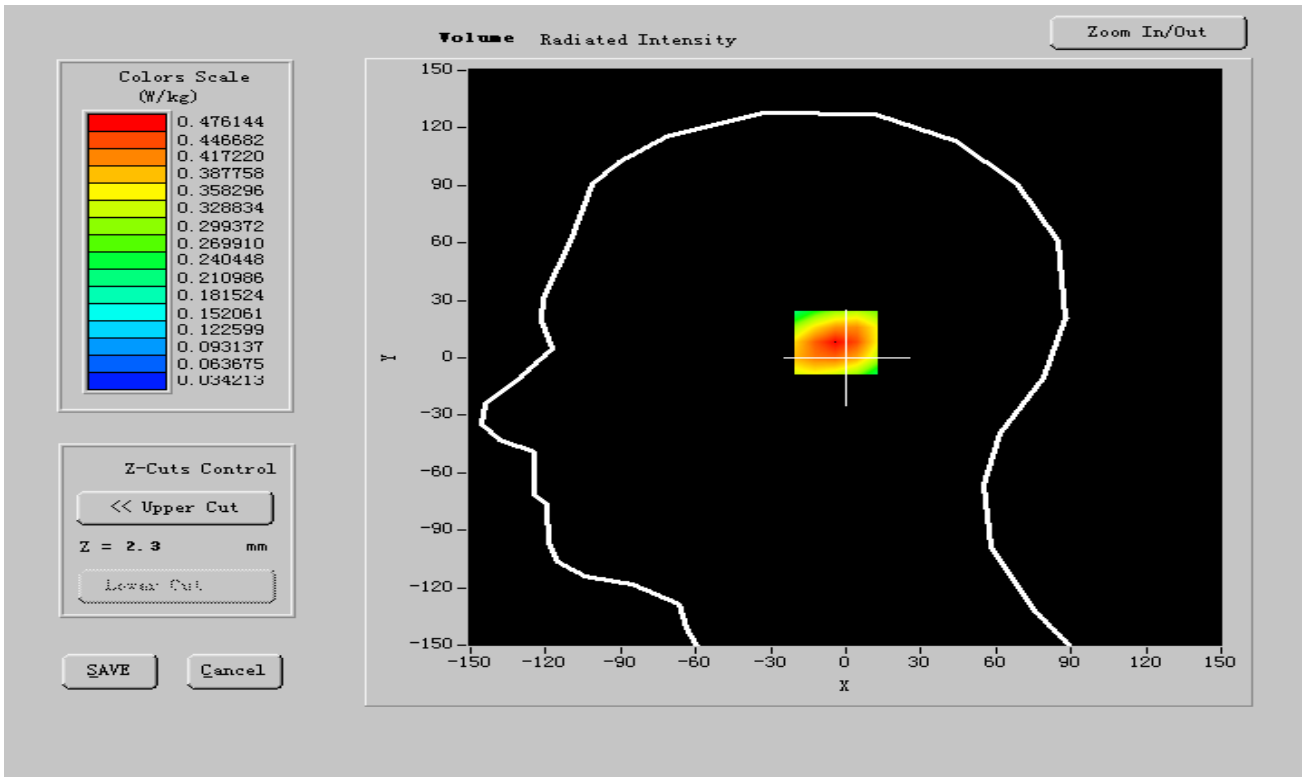
C. SAR Measurement Results

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

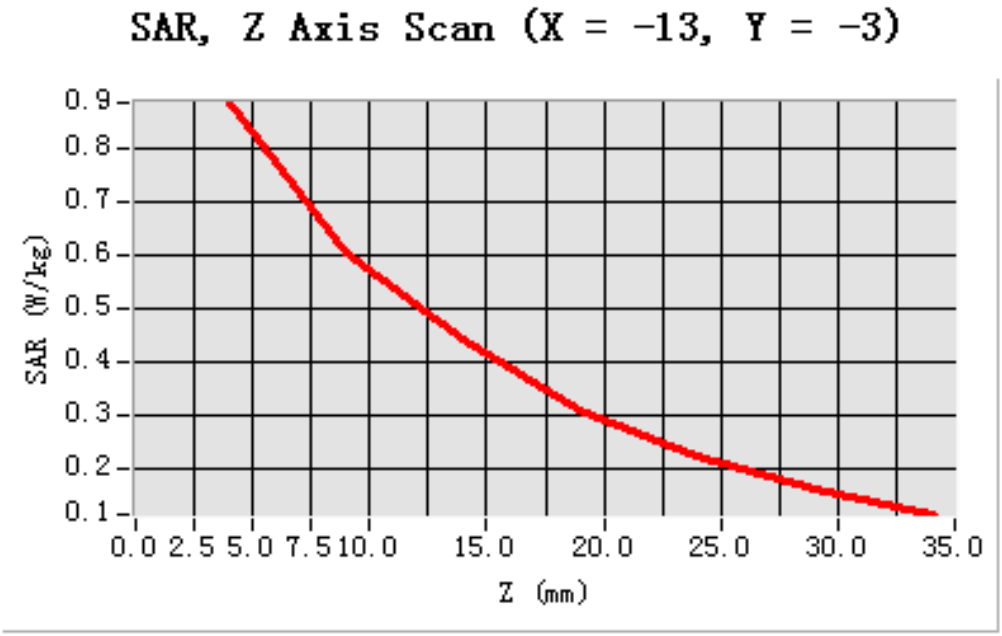


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.544232
SAR 1g (W/Kg)	0.841195

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



MEASUREMENT 2

Date of measurement: 24/9/2010

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

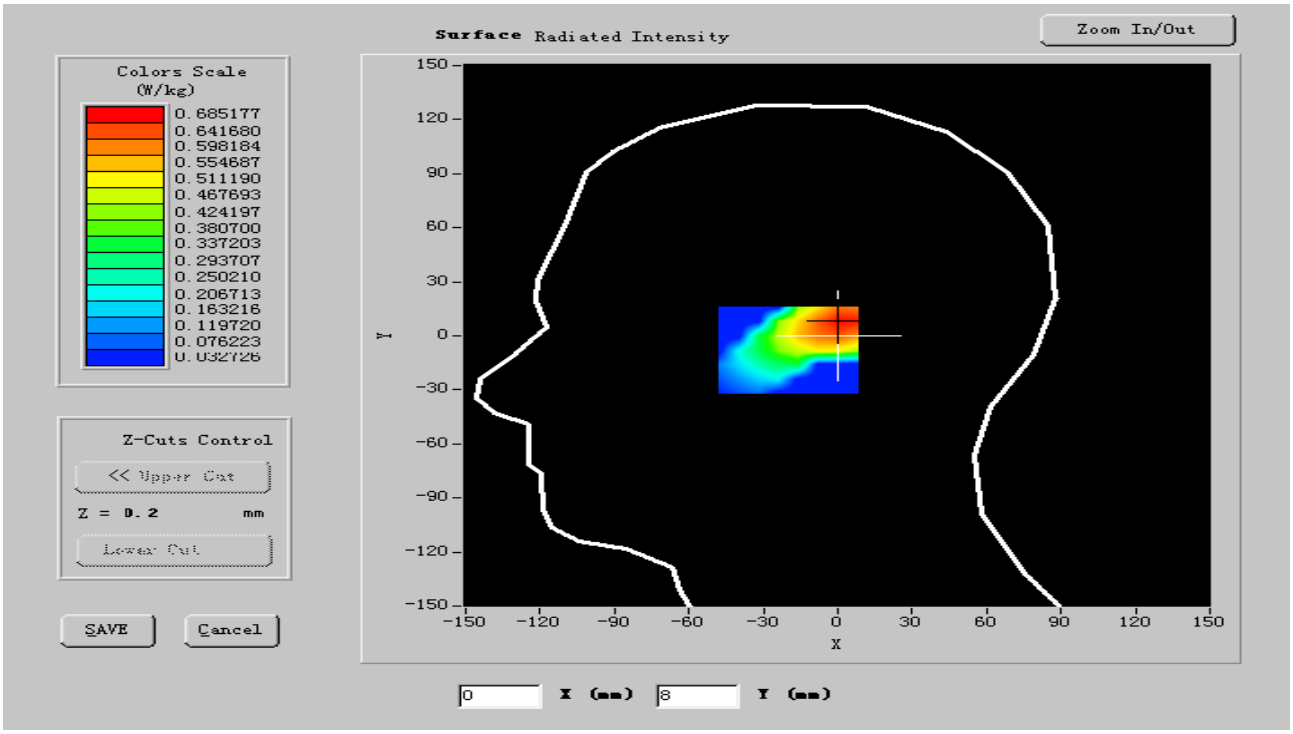
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

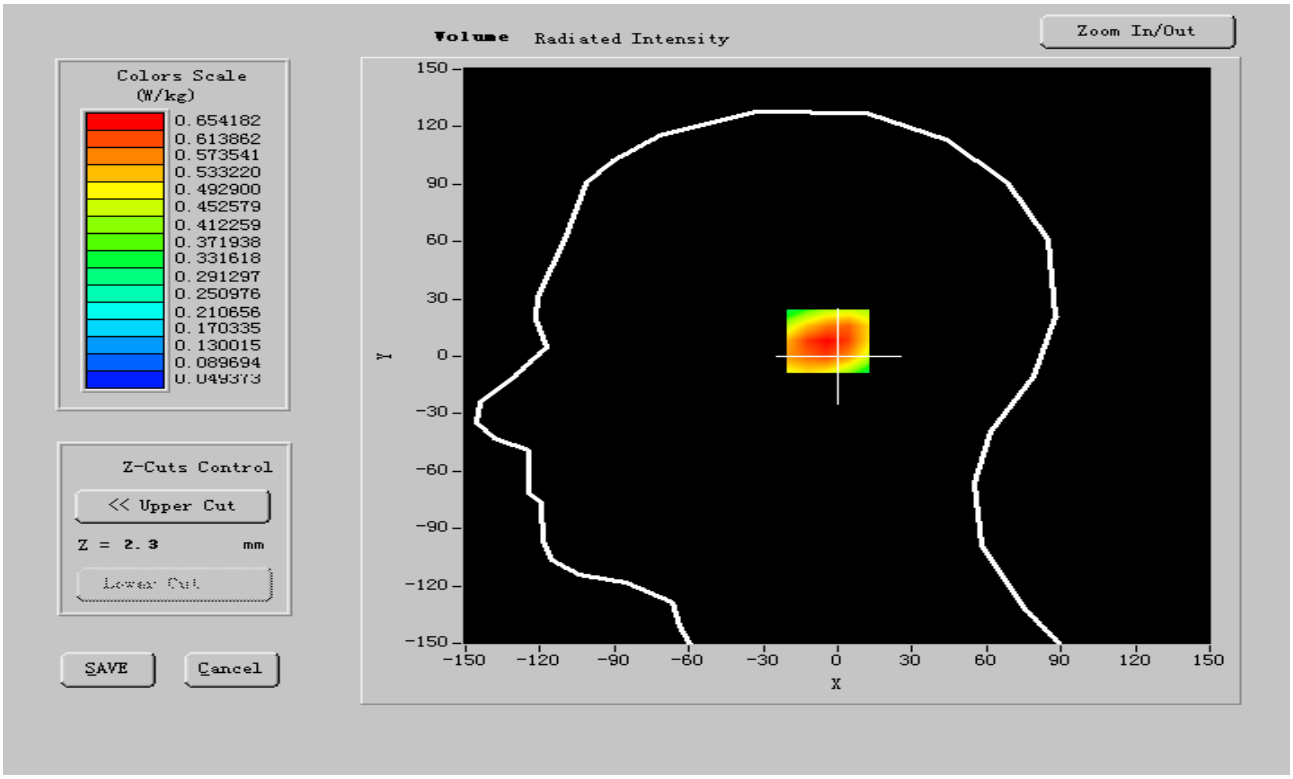
C. SAR Measurement Results

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

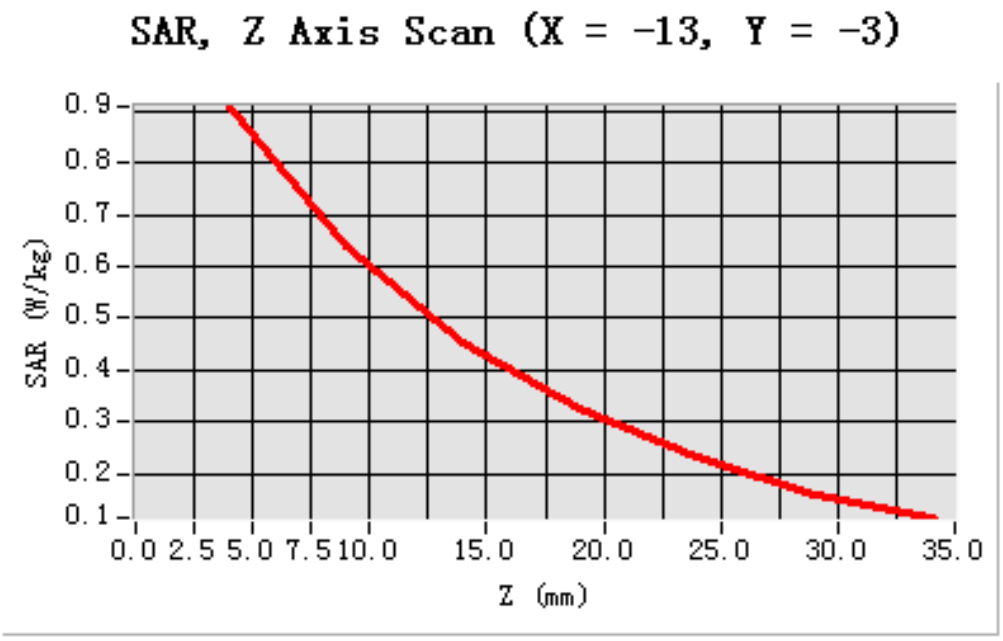


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.562540
SAR 1g (W/Kg)	0.868381

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



MEASUREMENT 3

Date of measurement: 24/9/2010

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

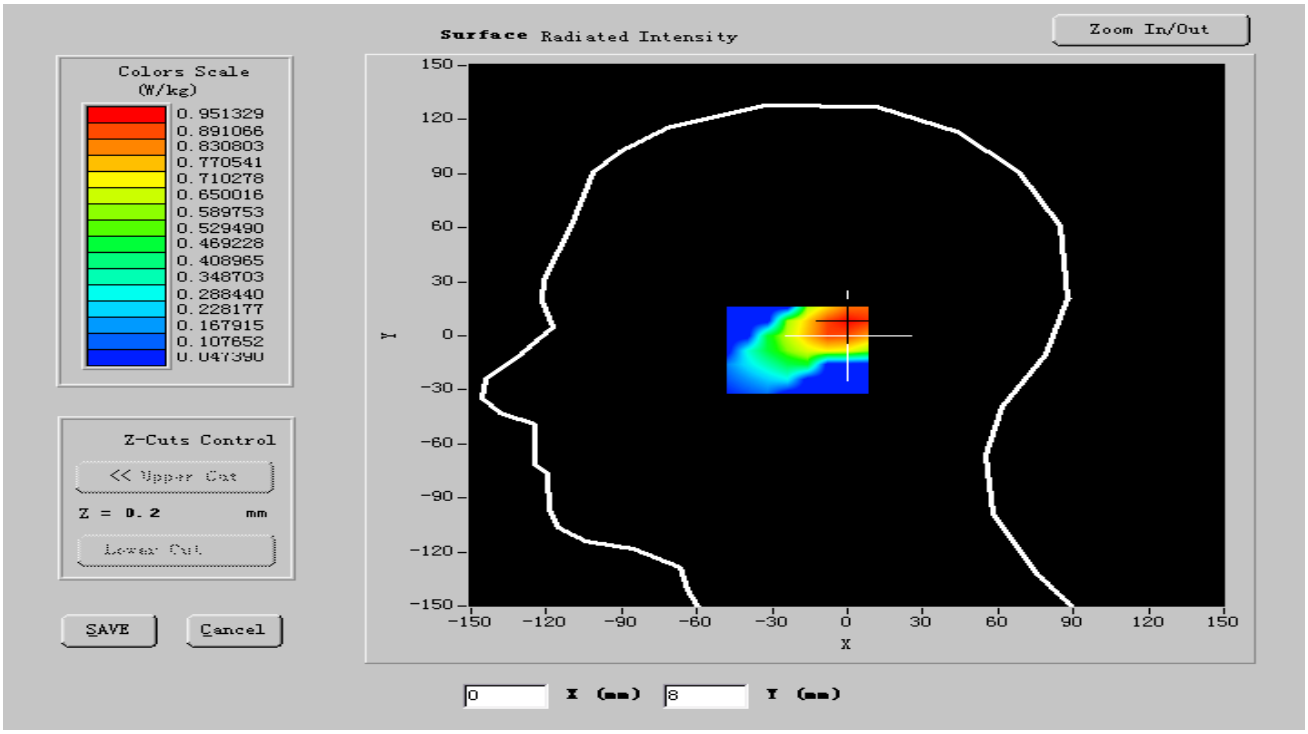
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

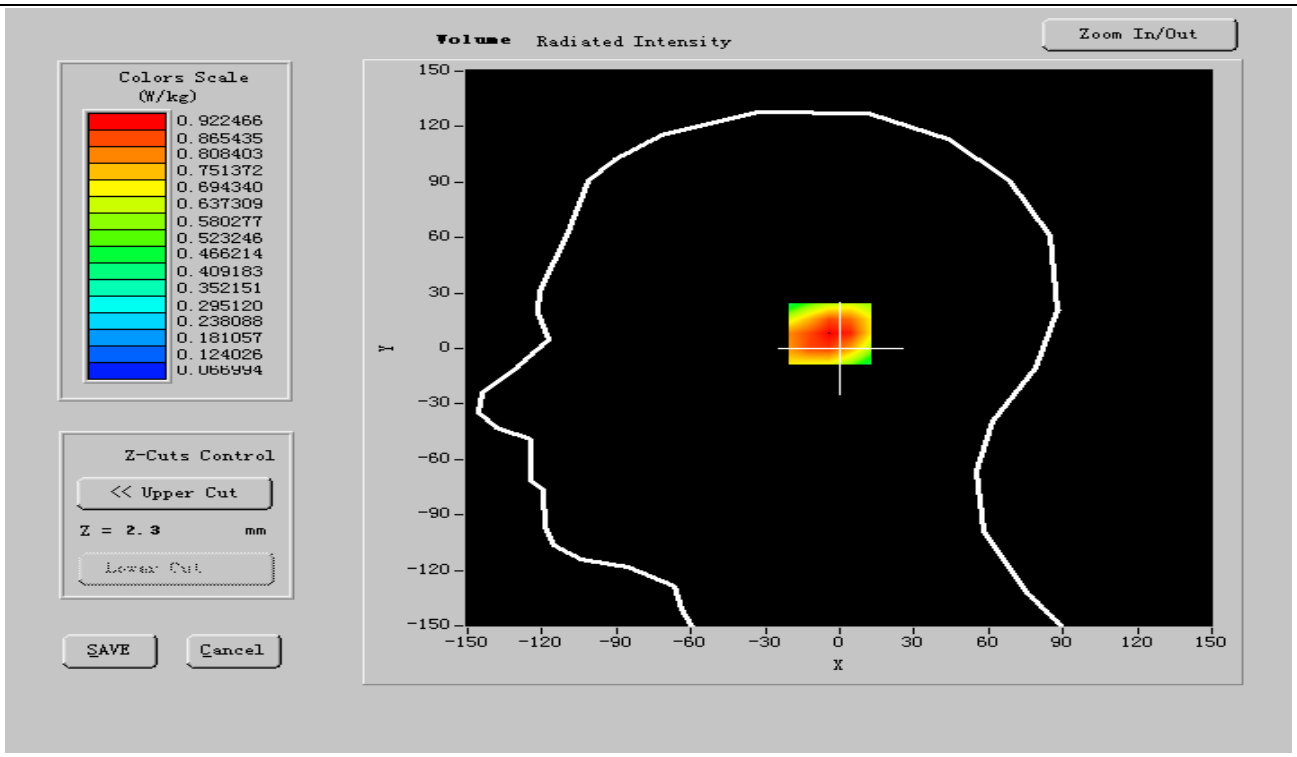
C. SAR Measurement Results

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

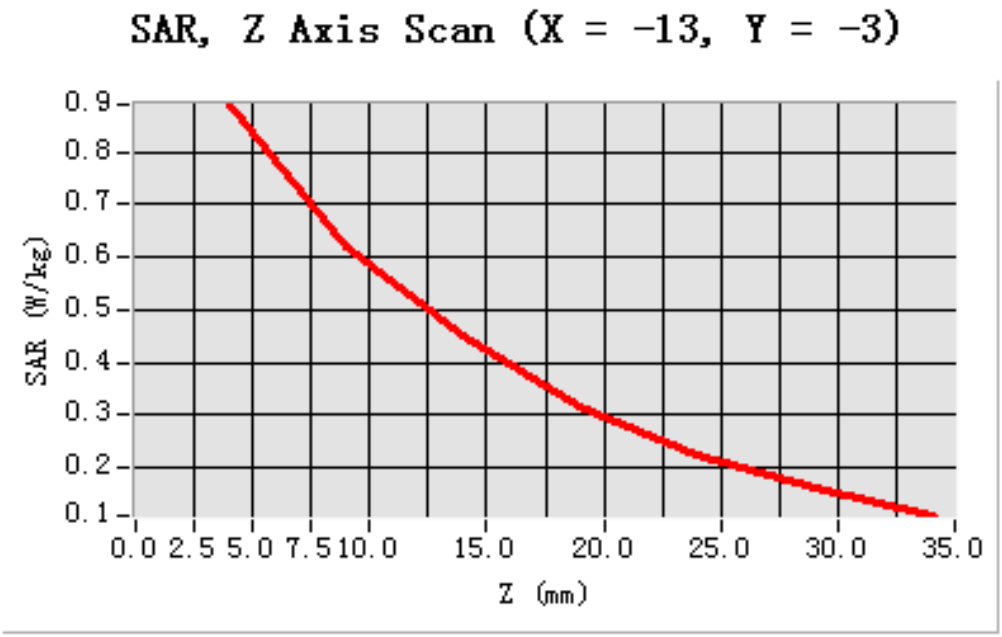


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.555620
SAR 1g (W/Kg)	0.864465

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



MEASUREMENT 4

Date of measurement: 24/9/2010

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

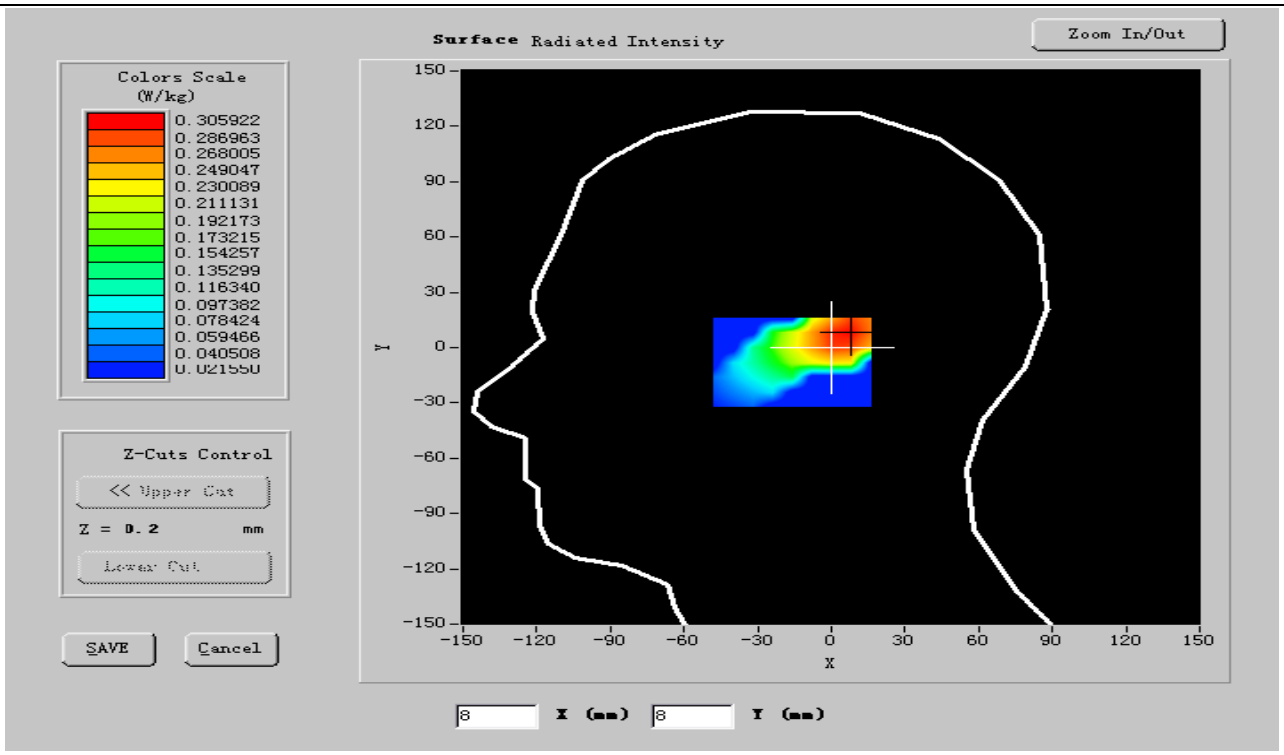
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

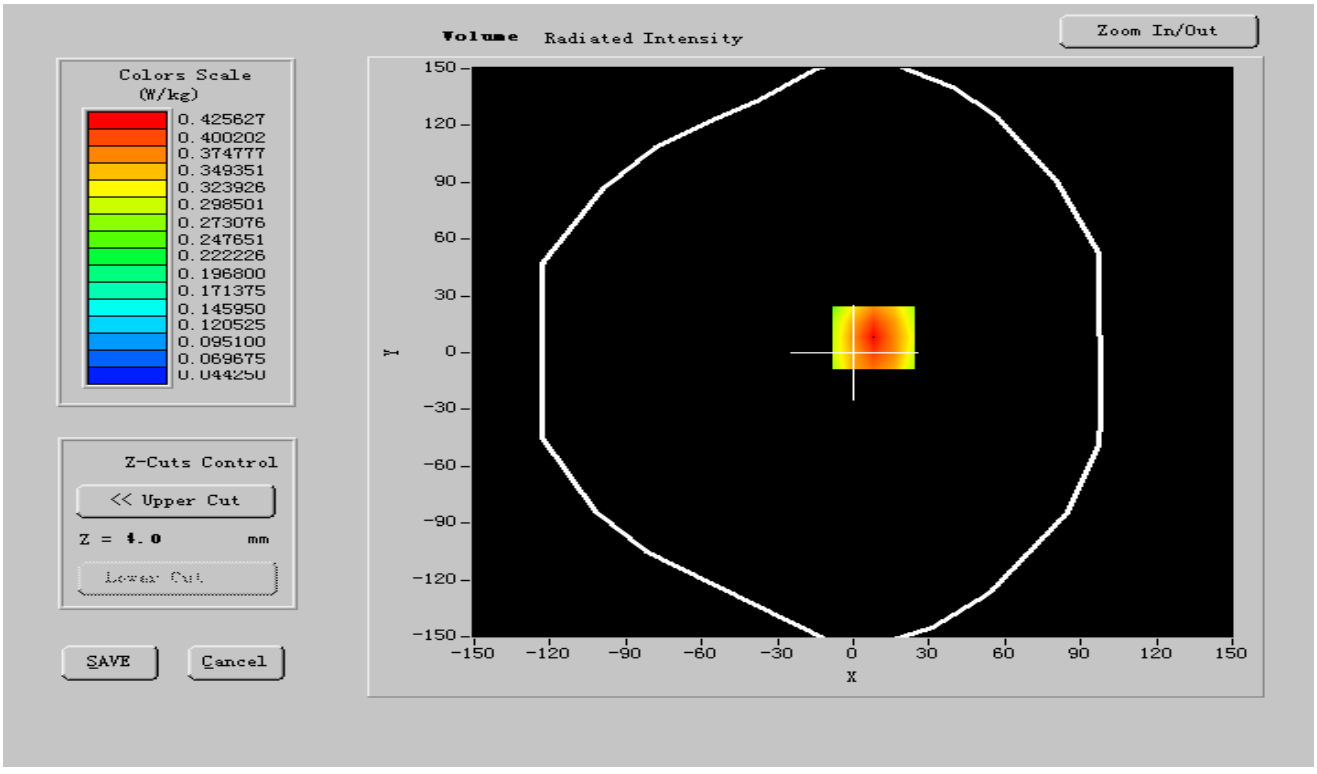
C. SAR Measurement Results

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

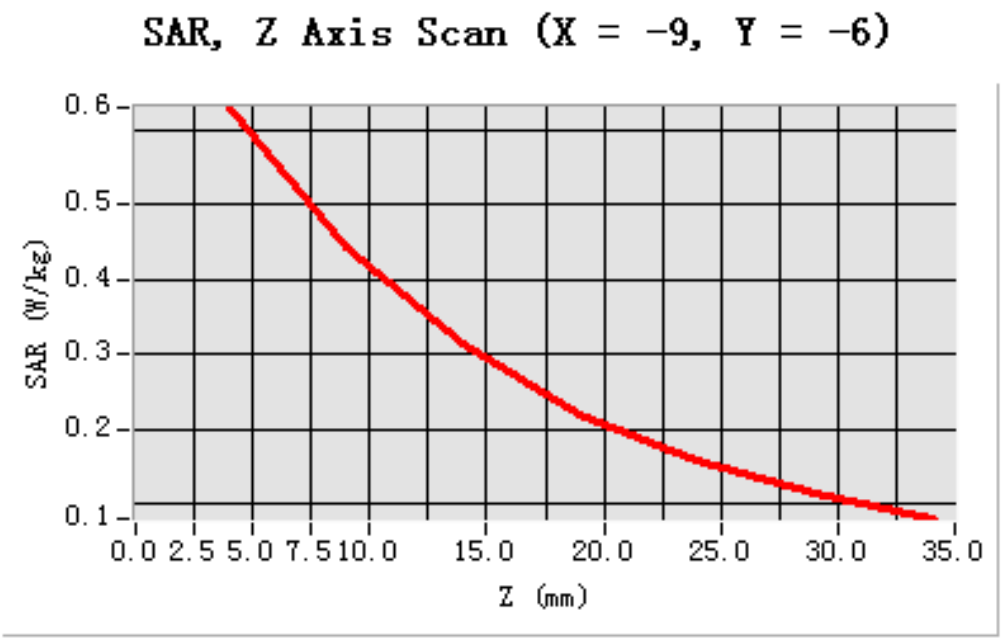


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.365920
SAR 1g (W/Kg)	0.572698

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



MEASUREMENT 5

Date of measurement: 24/9/2010

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

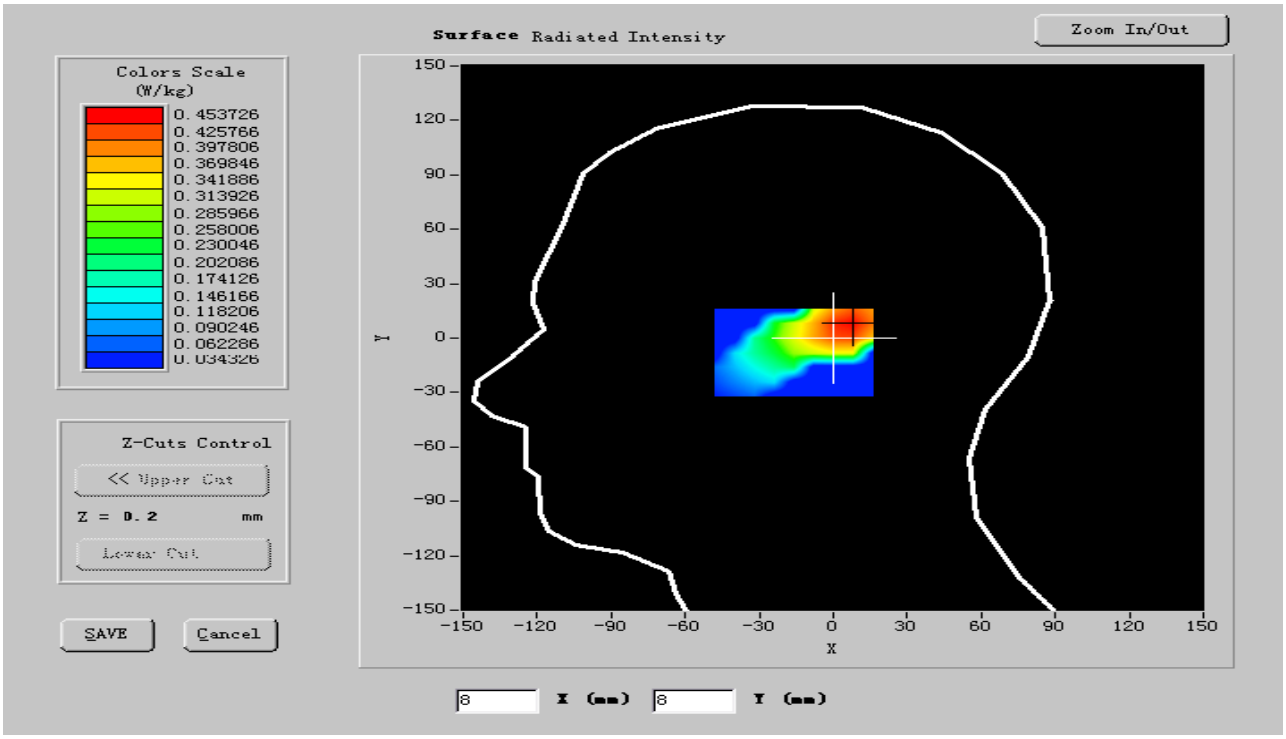
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

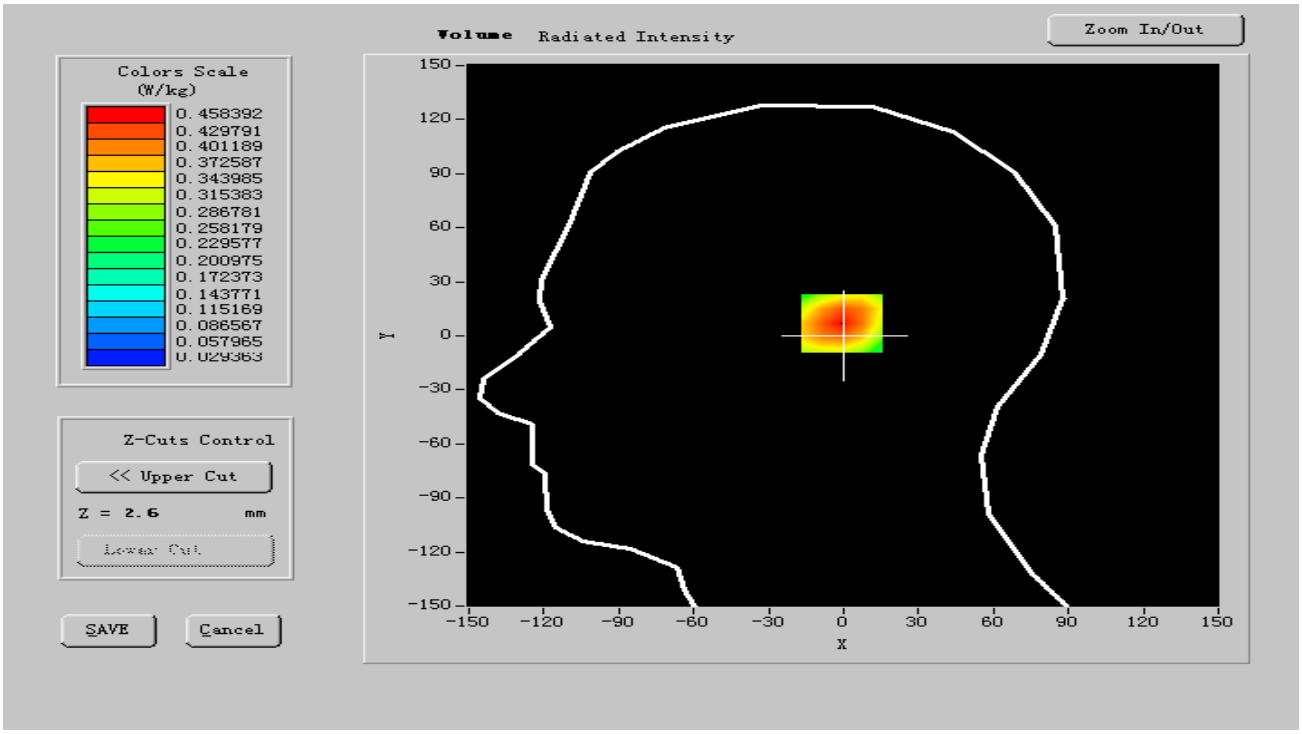
C. SAR Measurement Results

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

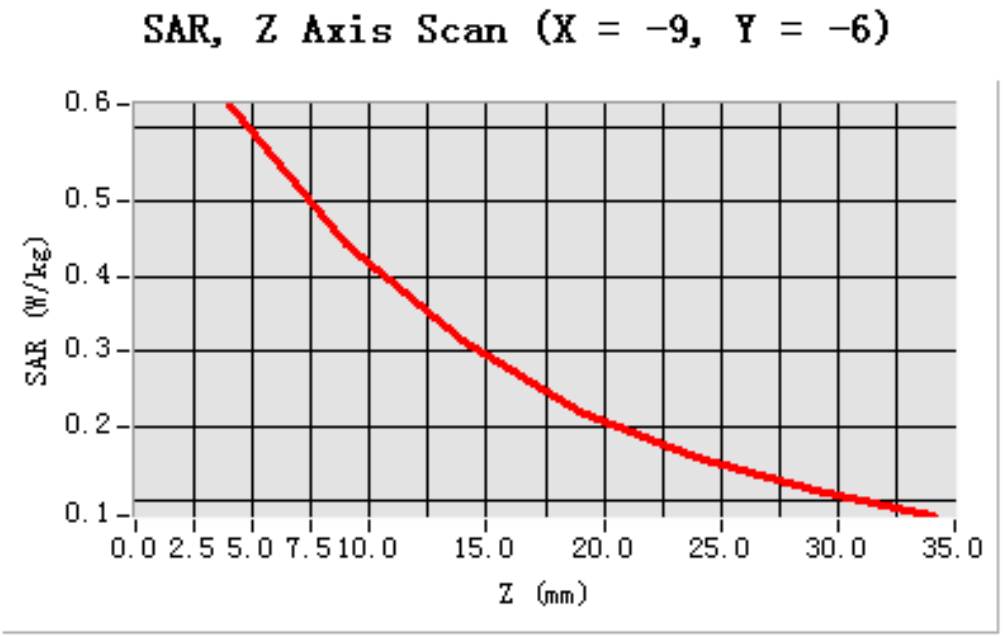


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.412358
SAR 1g (W/Kg)	0.582981

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



MEASUREMENT 6

Date of measurement: 24/9/2010

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

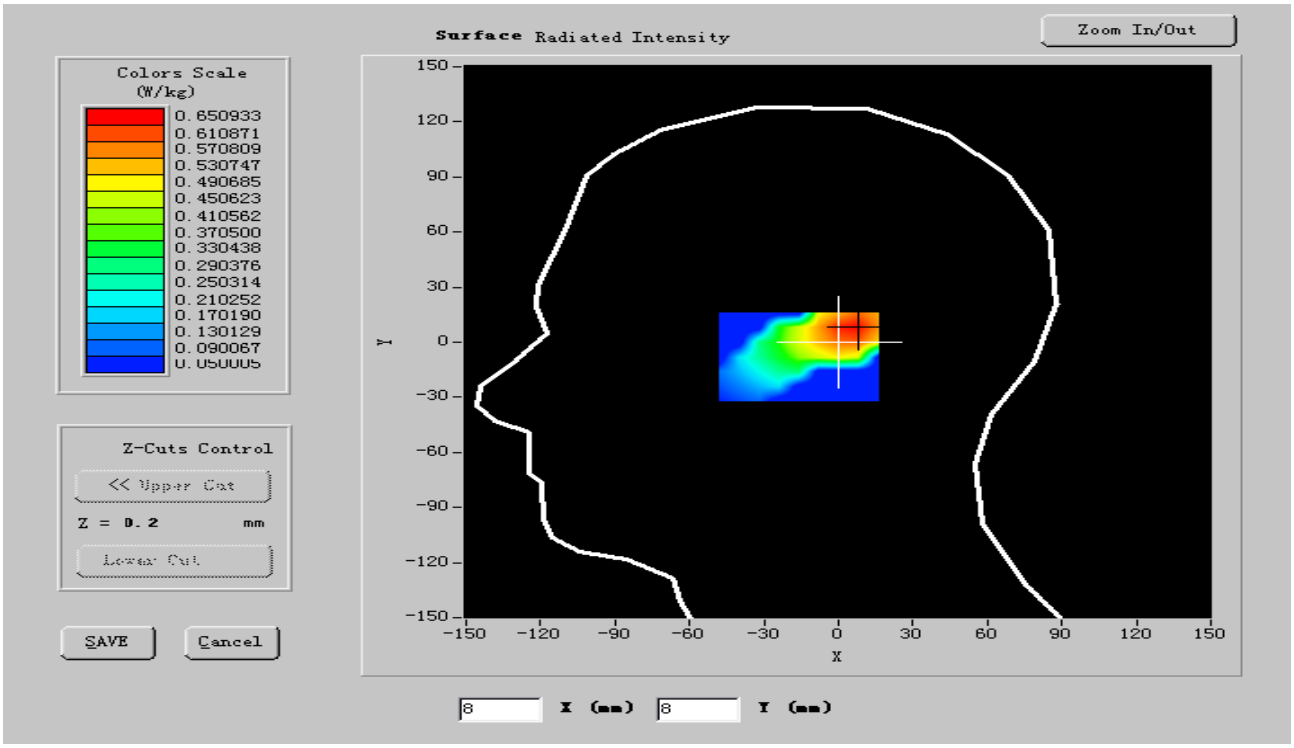
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

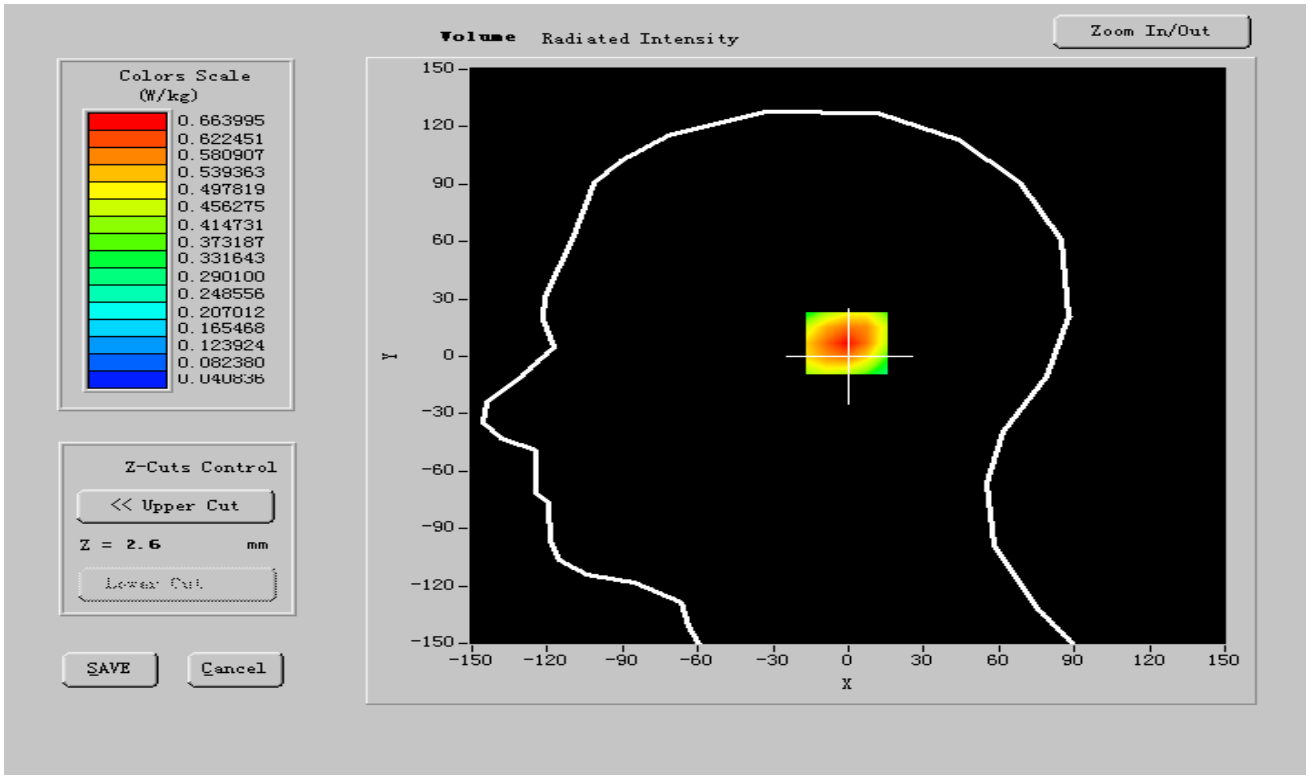
C. SAR Measurement Results

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

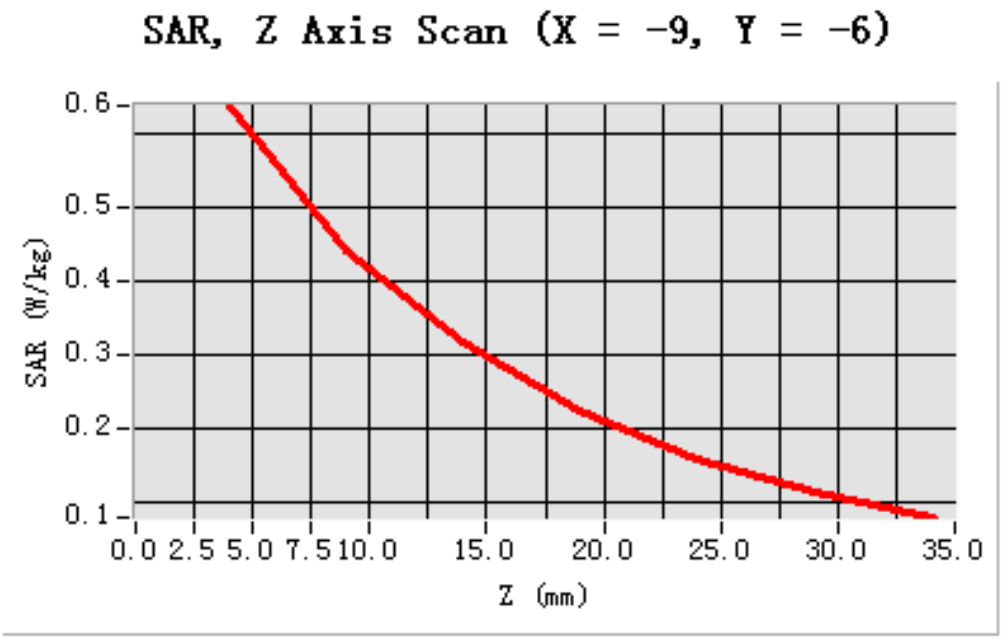


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.416354
SAR 1g (W/Kg)	0.609428

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



MEASUREMENT 7

Date of measurement: 24/9/2010

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

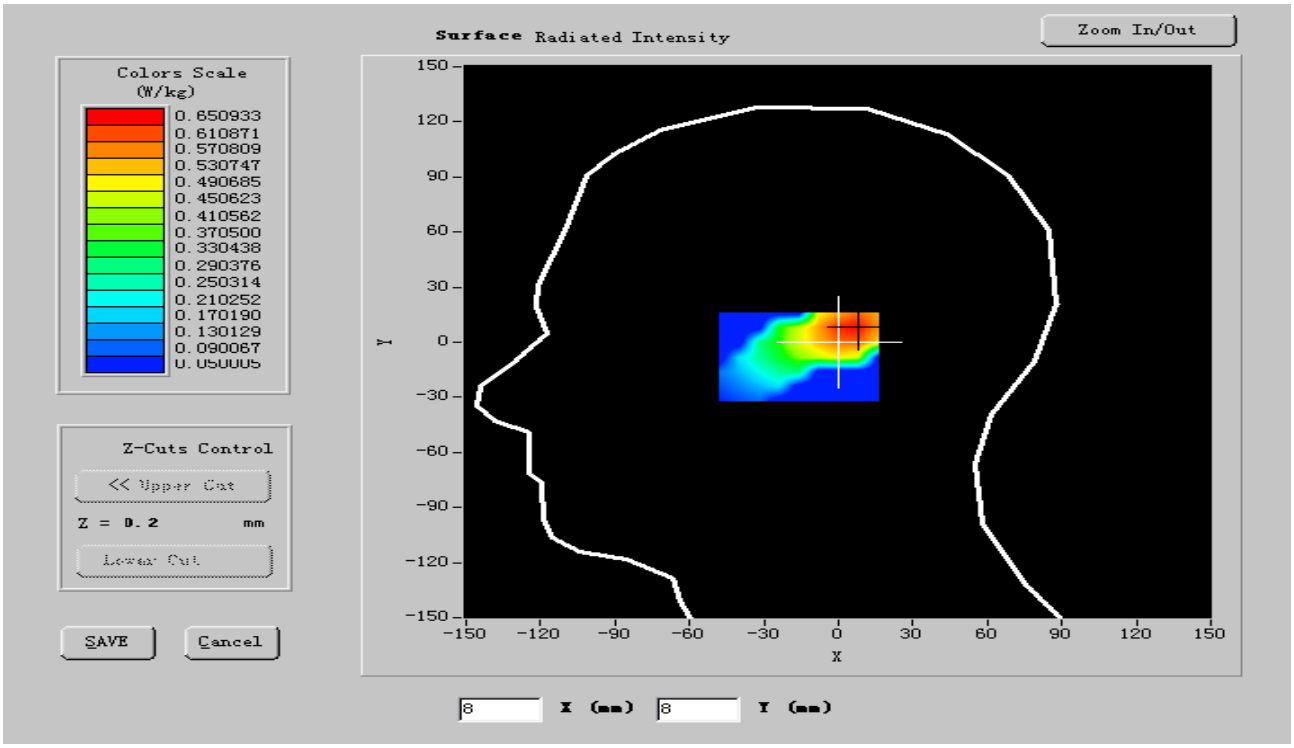
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

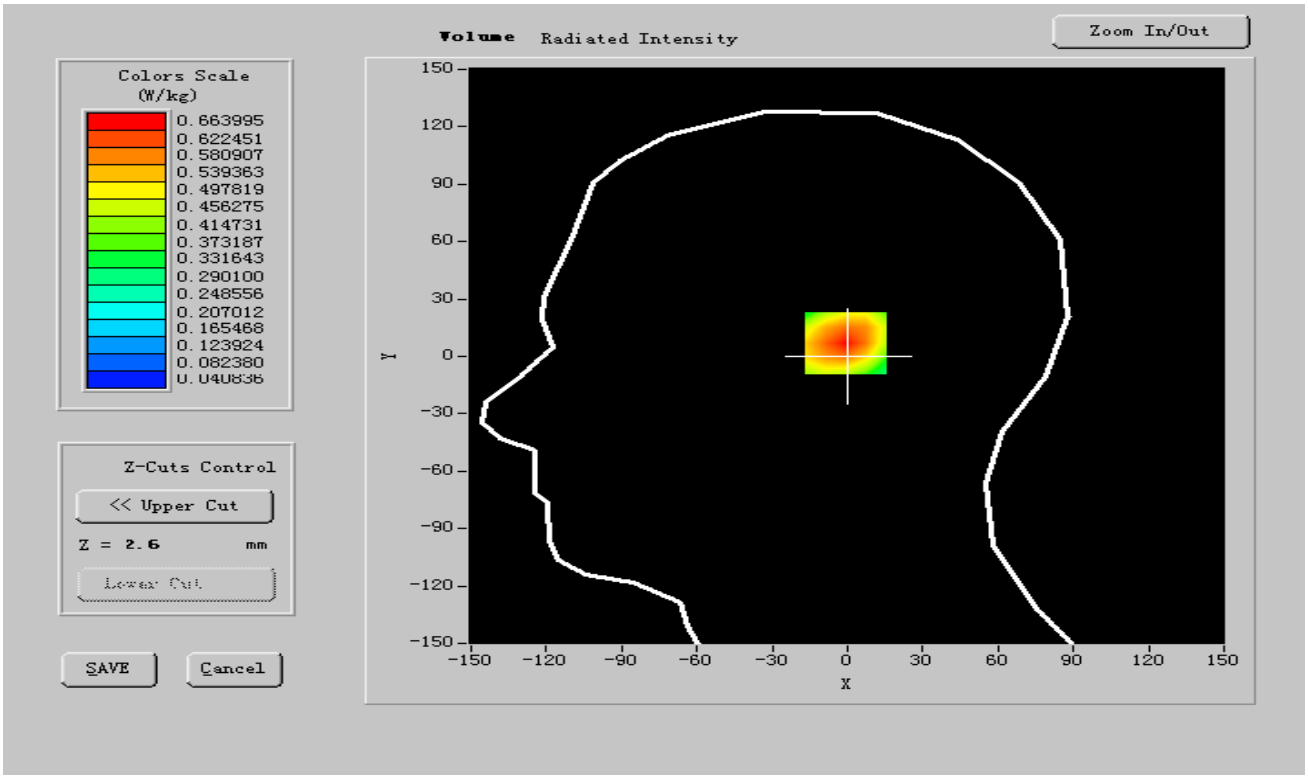
C. SAR Measurement Results

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

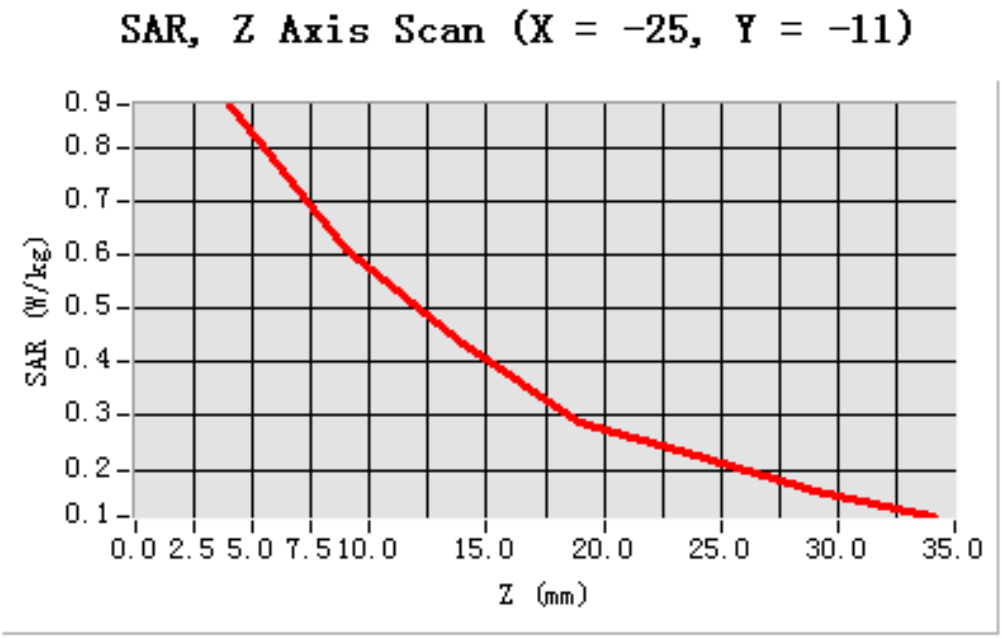


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.536541
SAR 1g (W/Kg)	0.832028

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



MEASUREMENT 8

Date of measurement: 24/9/2010

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

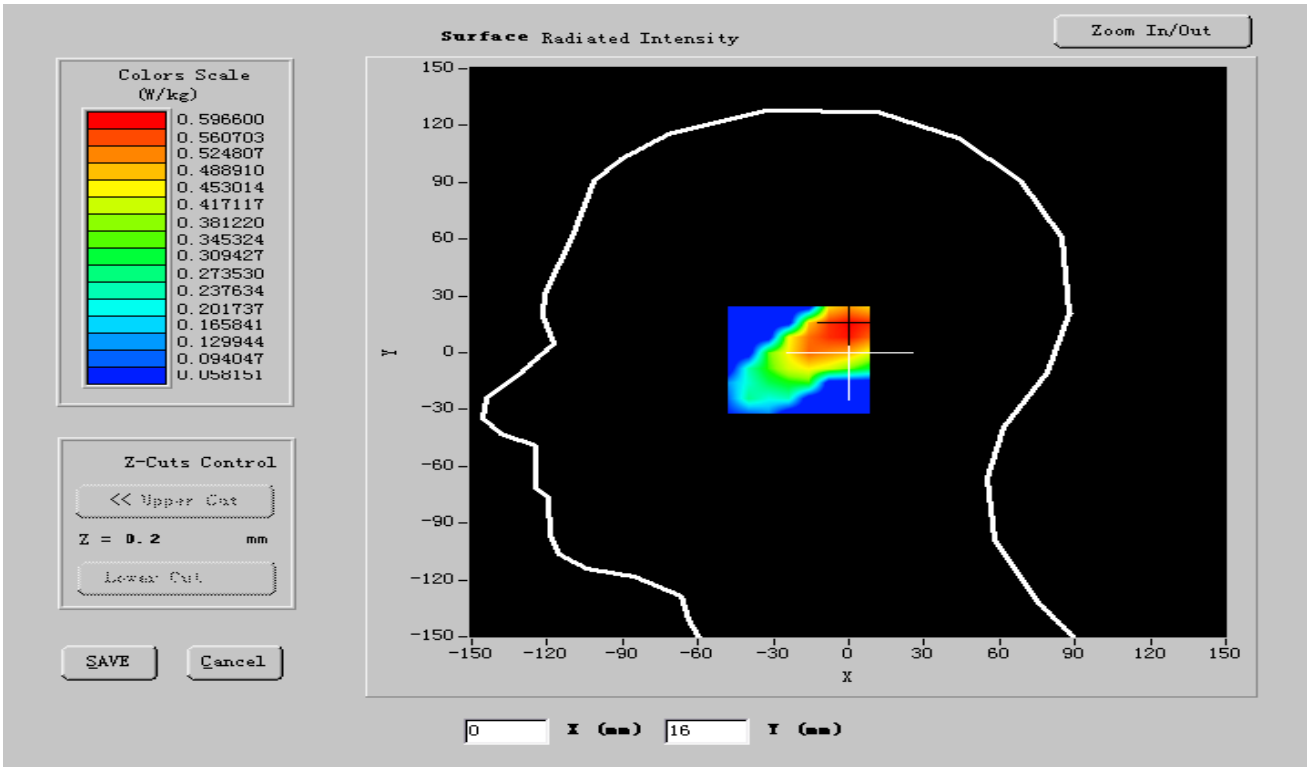
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

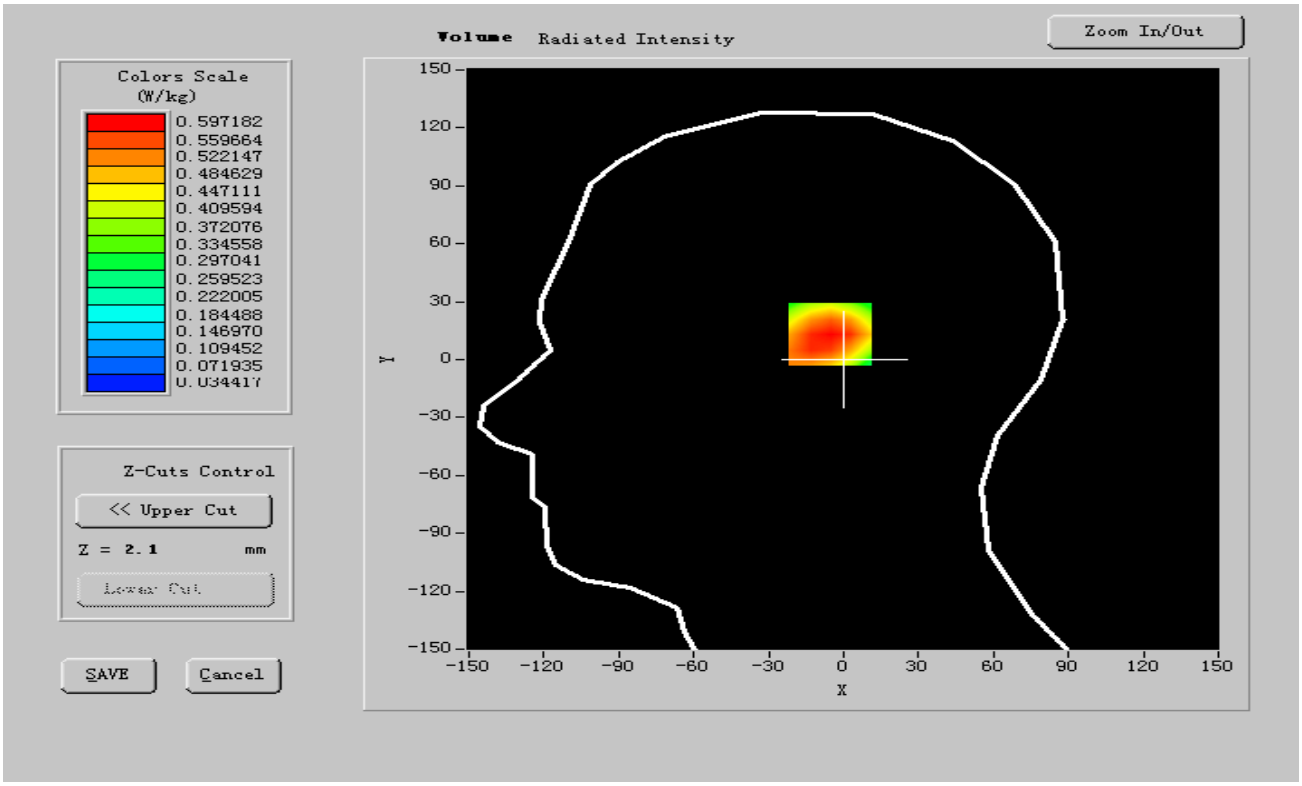
C. SAR Measurement Results

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

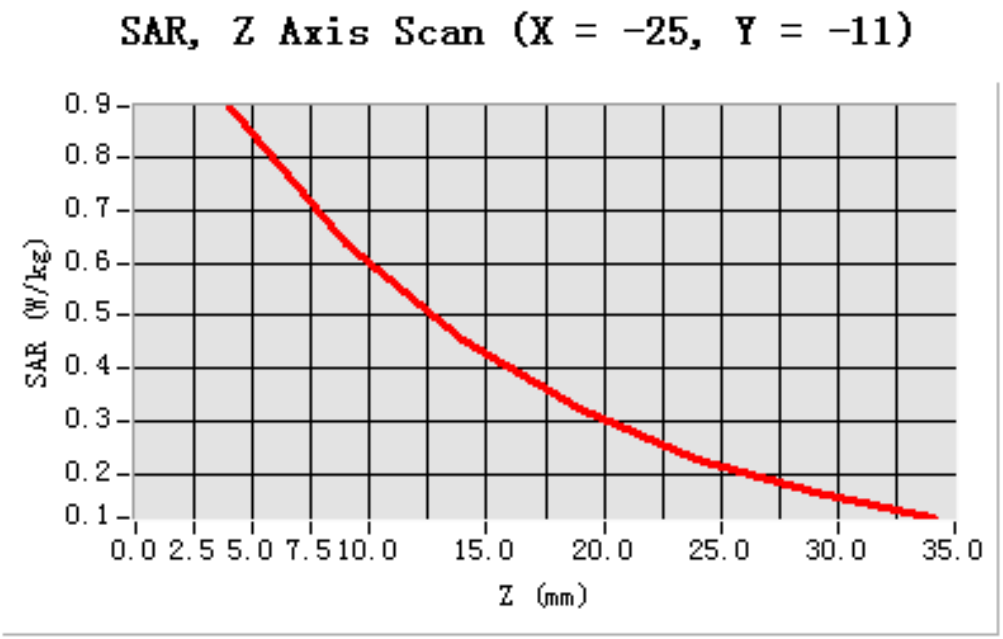


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.559310
SAR 1g (W/Kg)	0.858731

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



MEASUREMENT 9

Date of measurement: 24/9/2010

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

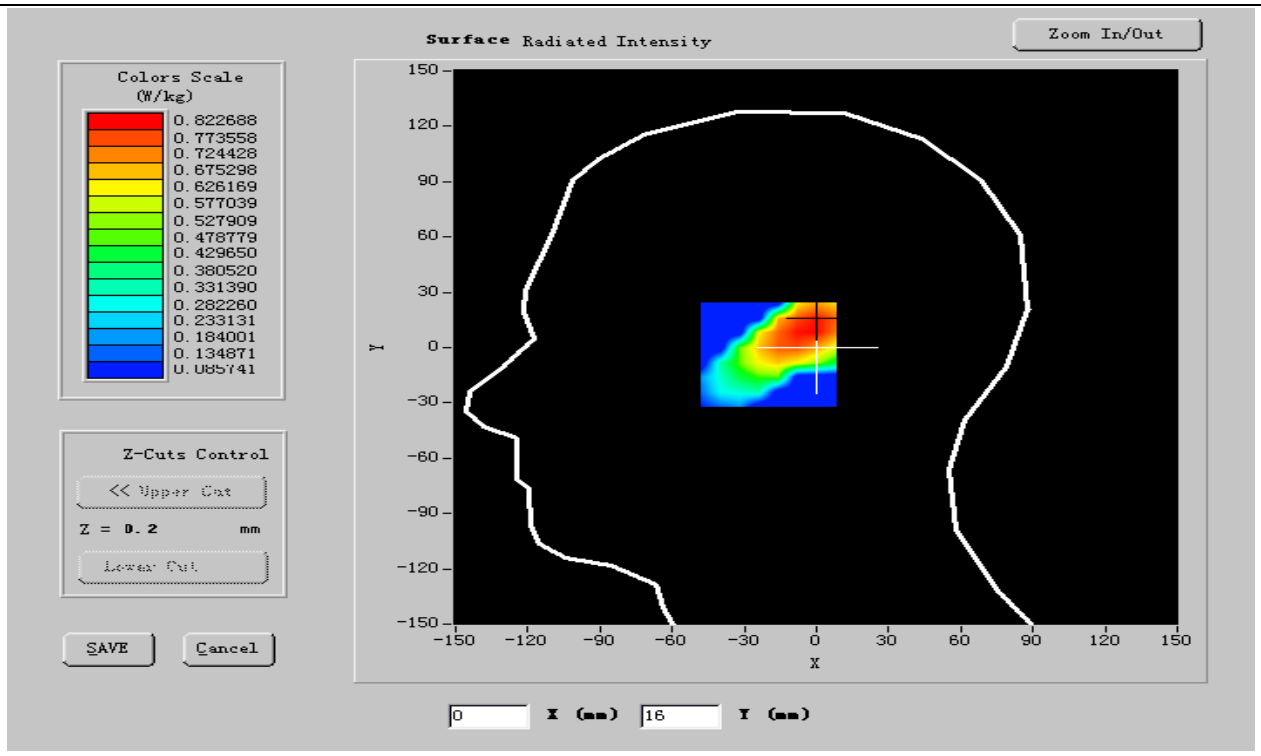
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

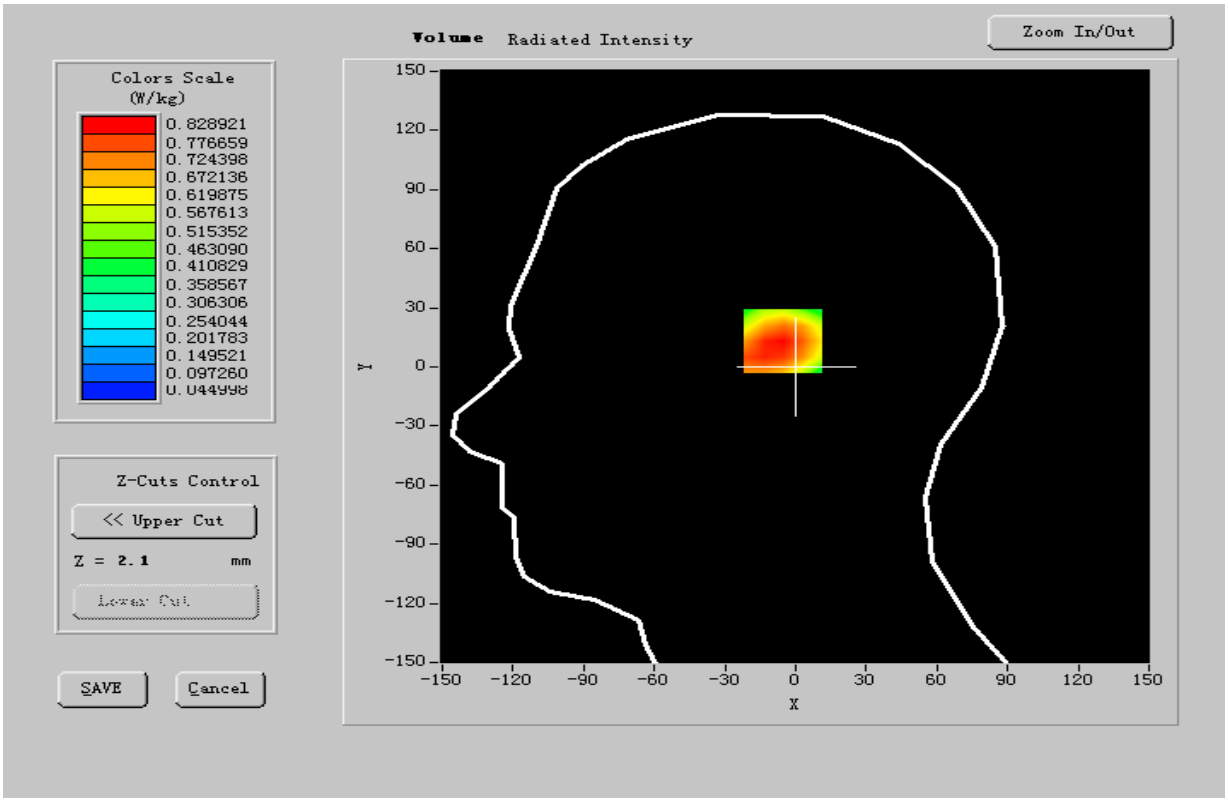
C. SAR Measurement Results

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

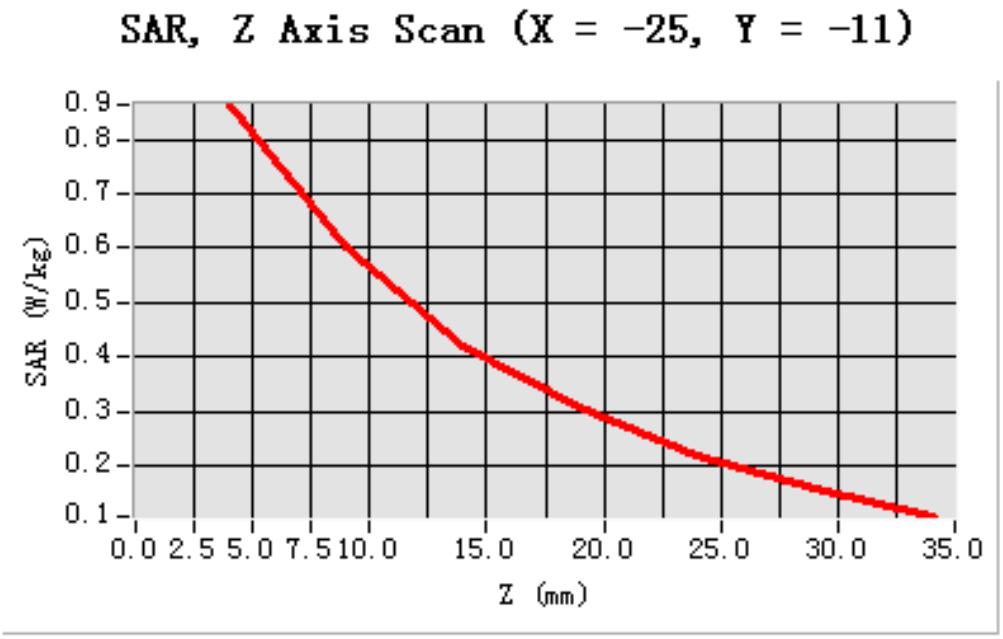


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.538640
SAR 1g (W/Kg)	0.817950

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



MEASUREMENT 10

Date of measurement: 24/9/2010

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

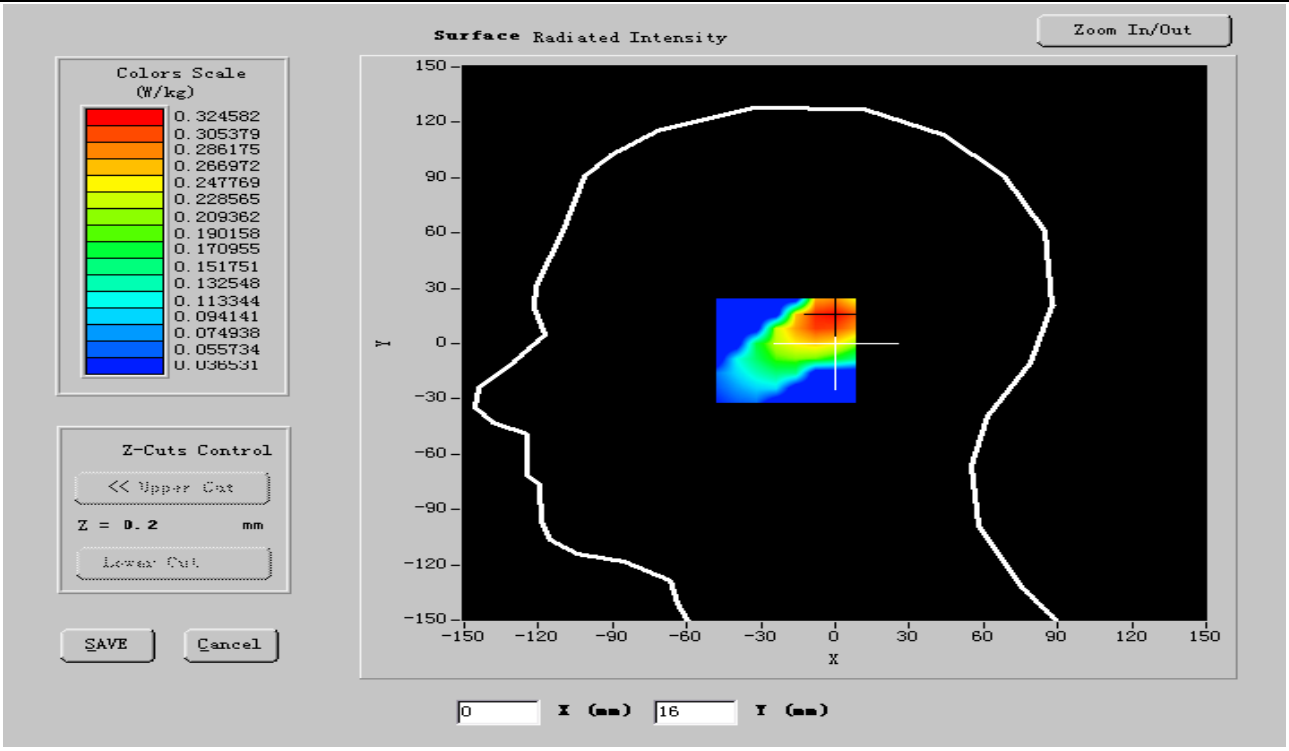
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

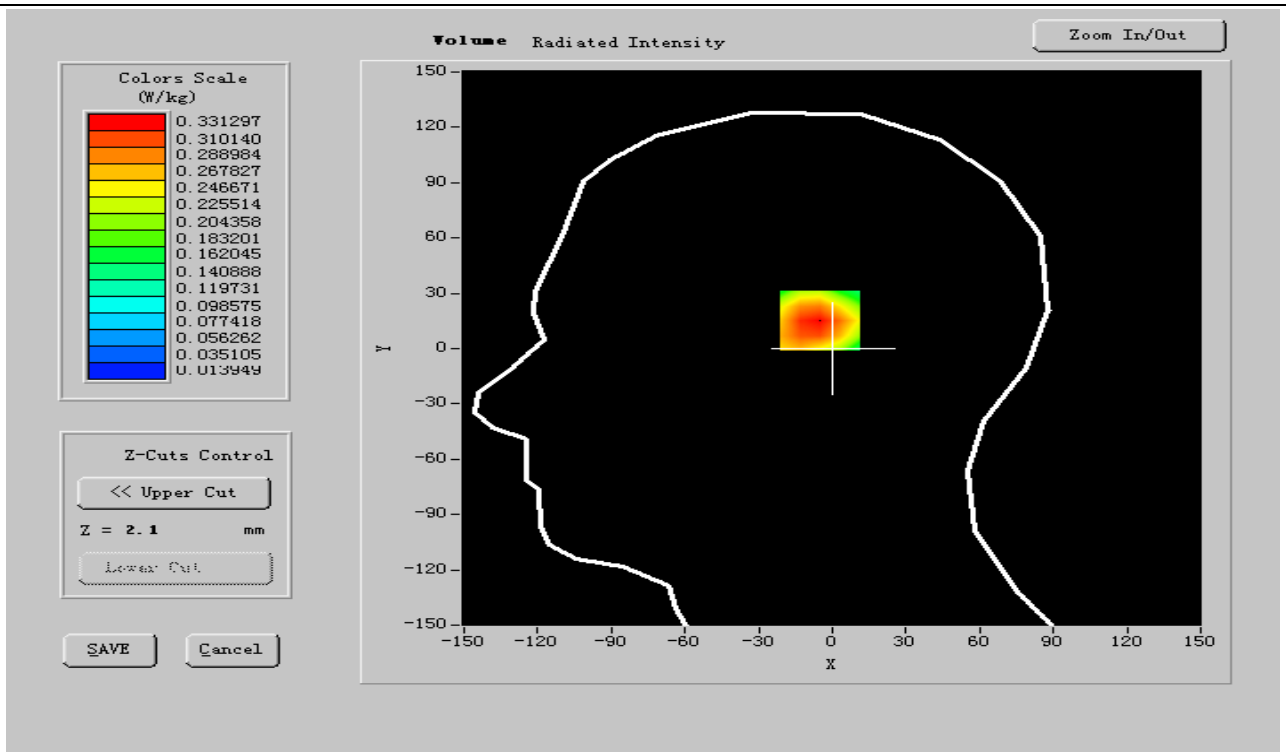
C. SAR Measurement Results

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

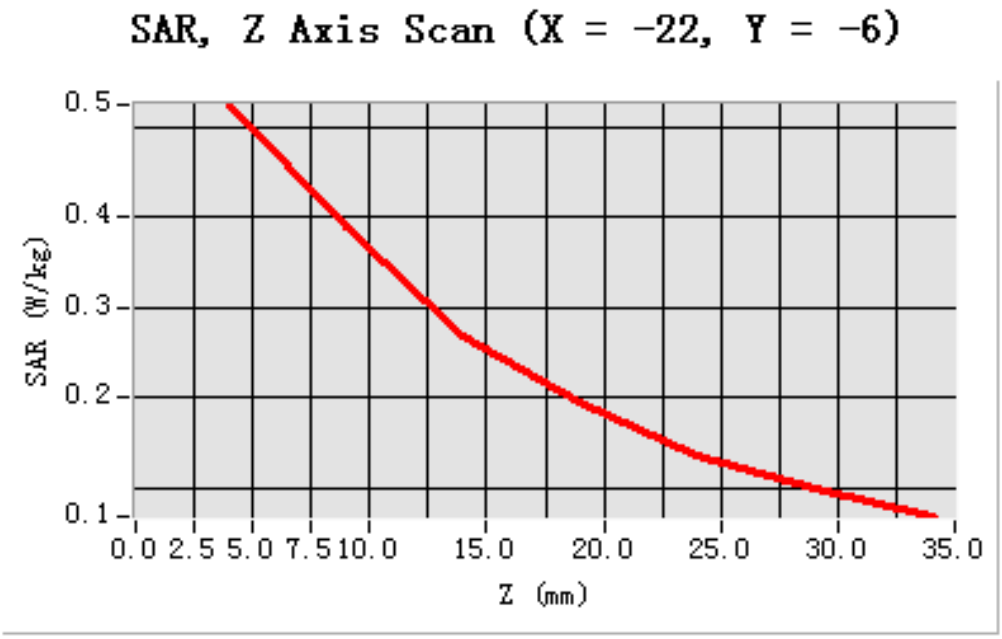


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.333695
SAR 1g (W/Kg)	0.451852

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



MEASUREMENT 11

Date of measurement: 24/9/2010

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

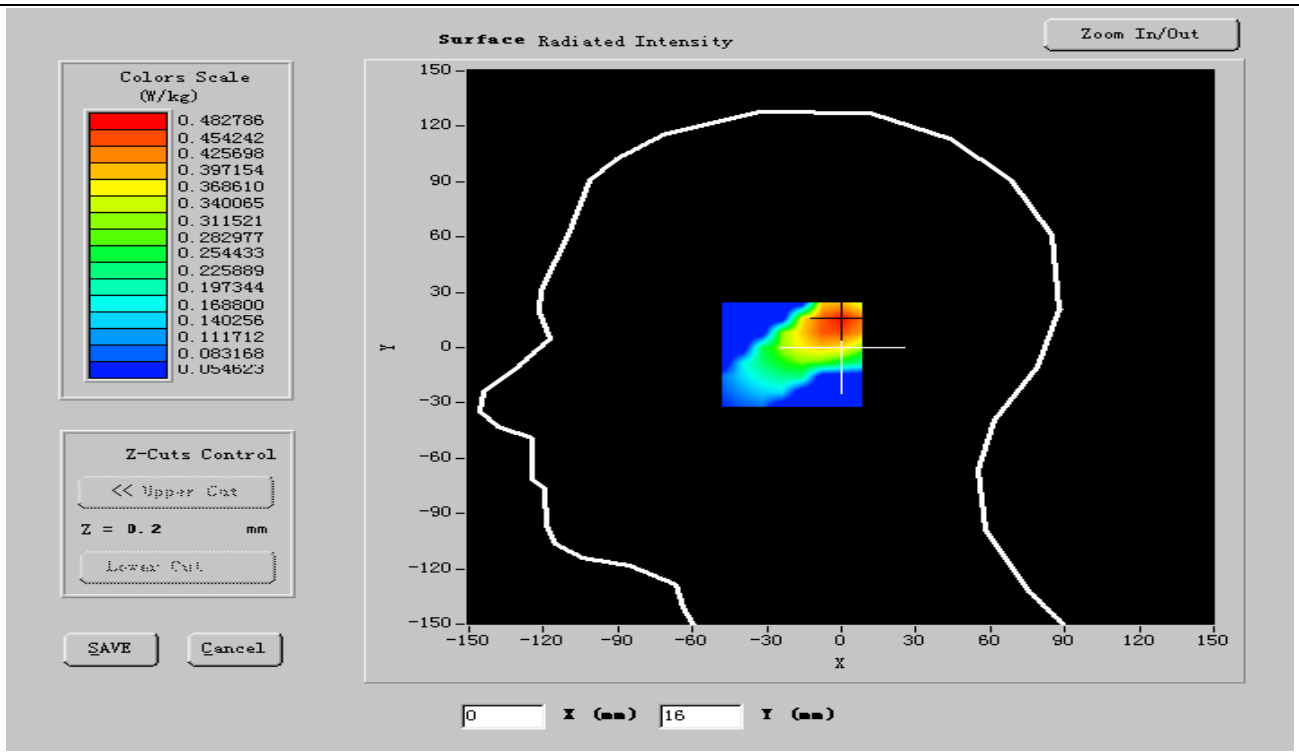
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

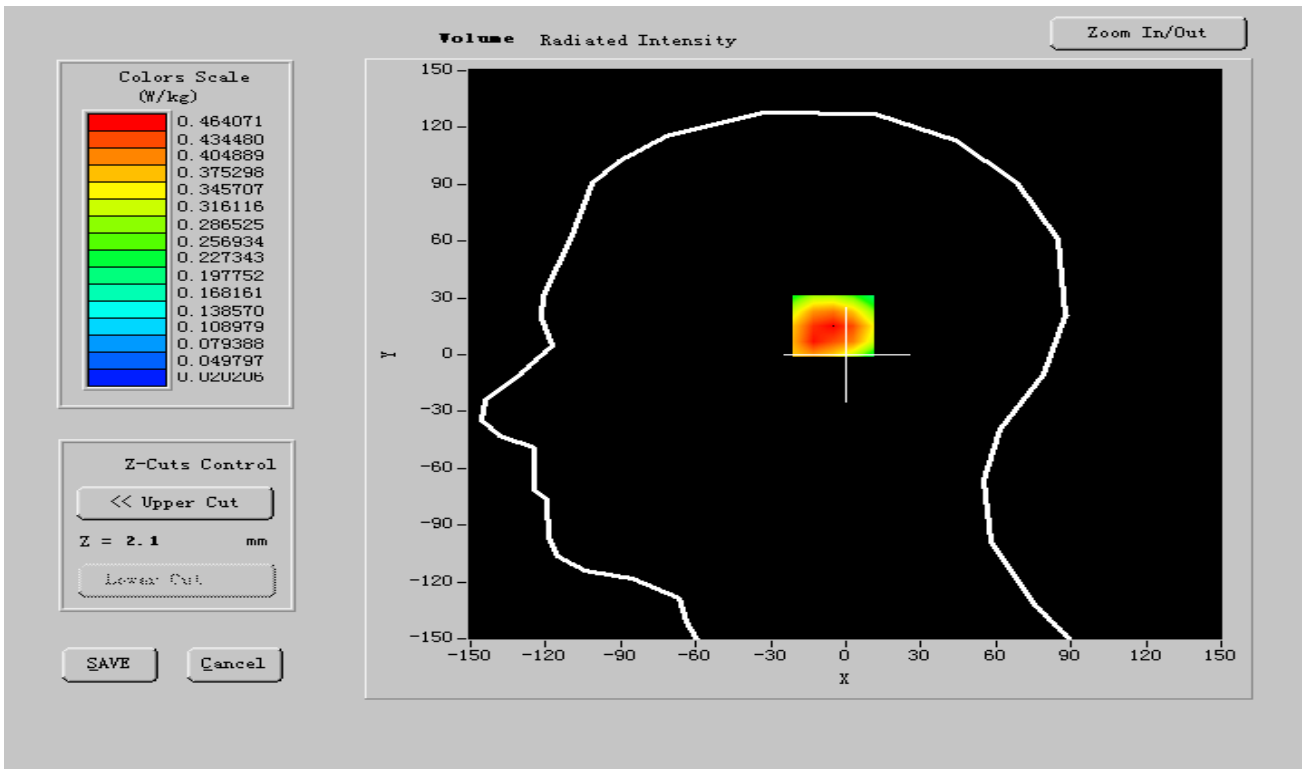
C. SAR Measurement Results

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

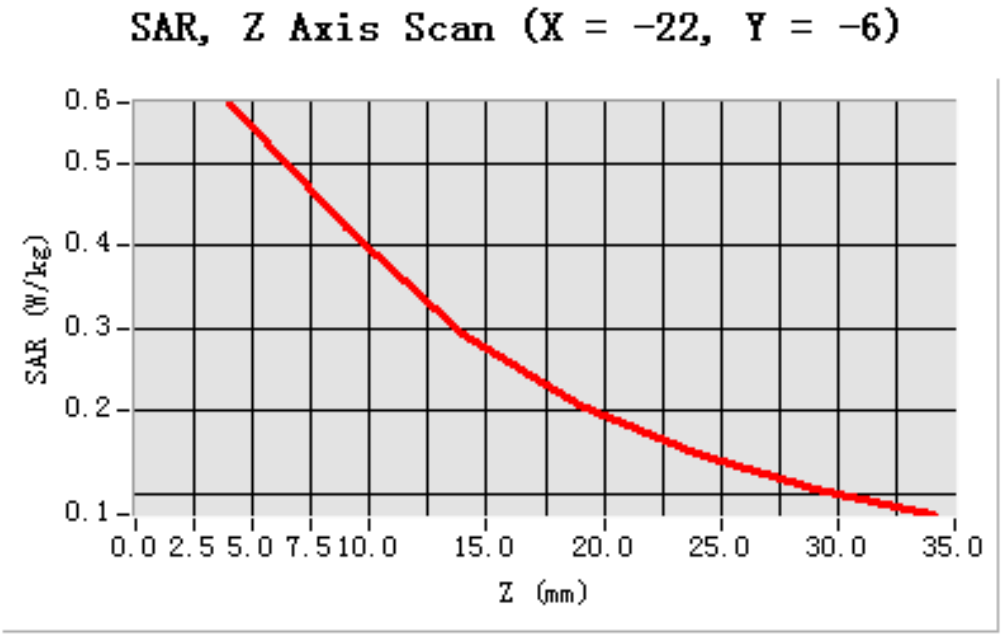


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.368301
SAR 1g (W/Kg)	0.563397

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



MEASUREMENT 12

Date of measurement: 24/9/2010

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

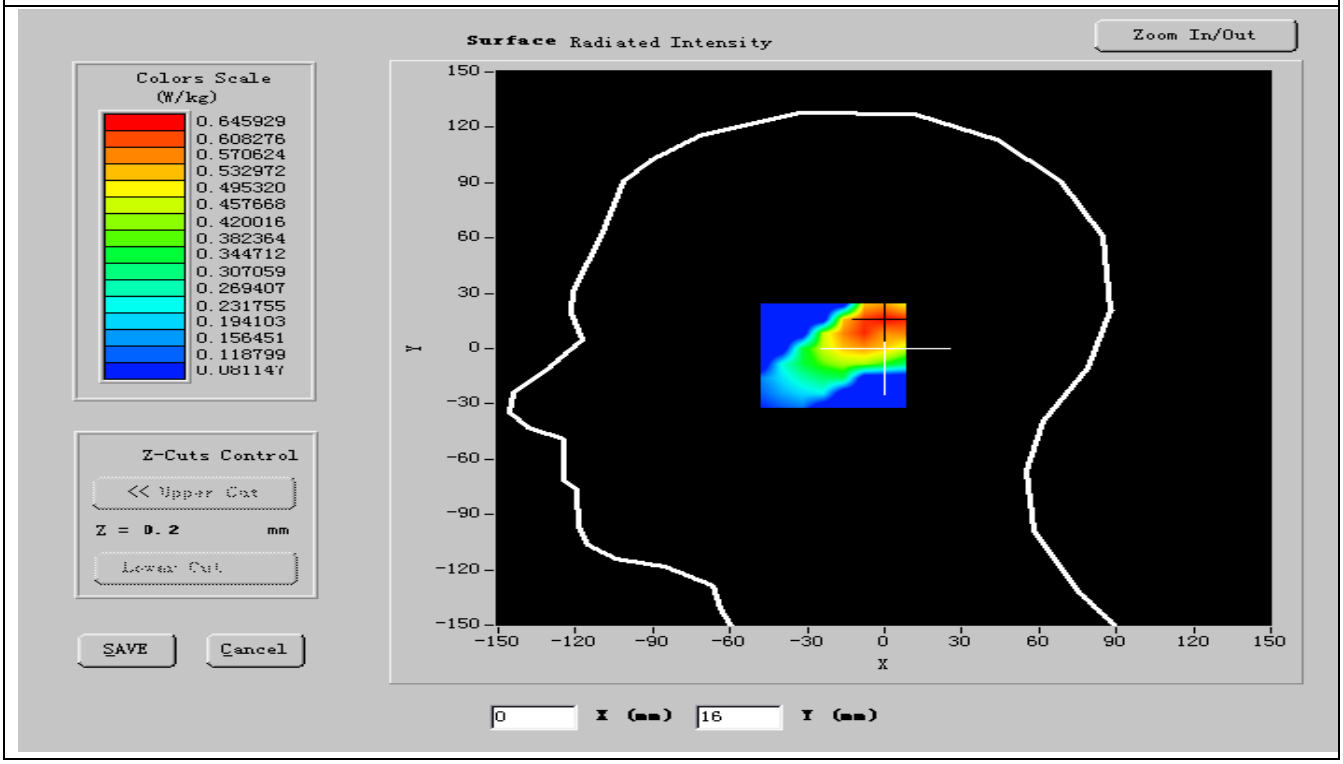
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

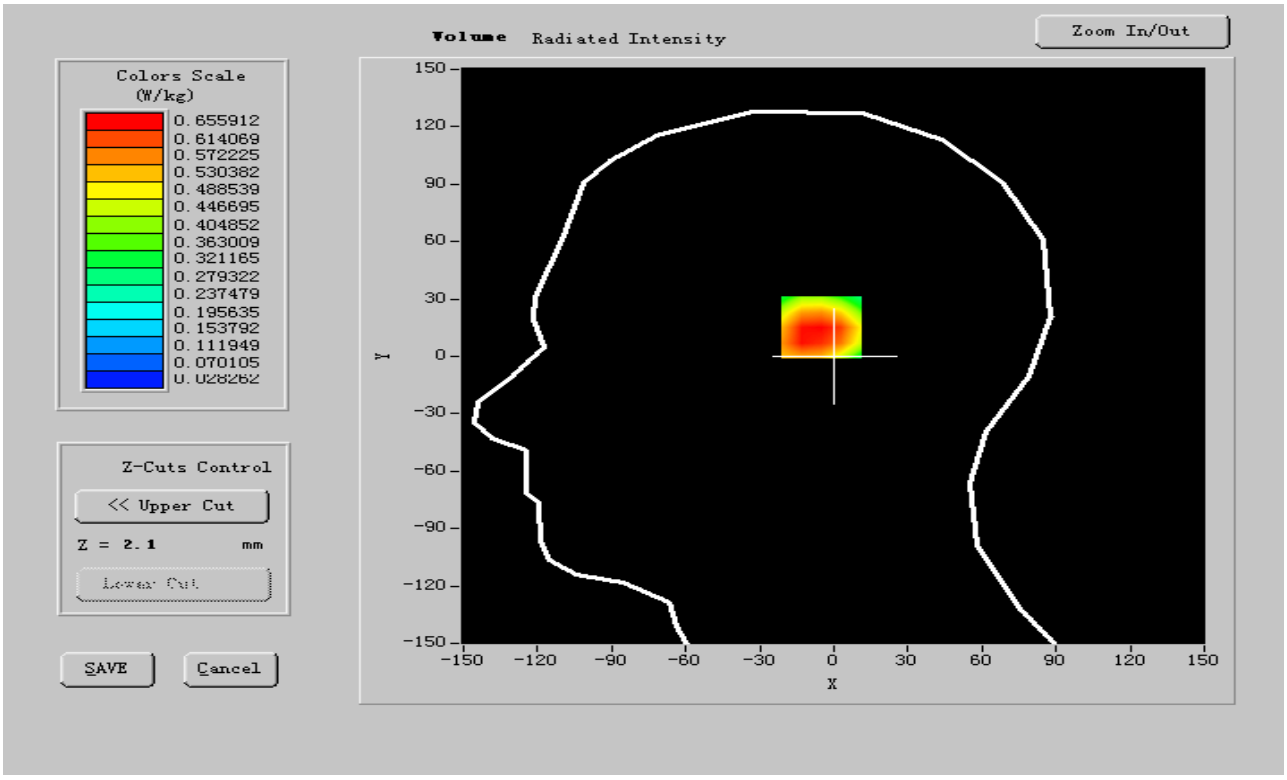
C. SAR Measurement Results

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

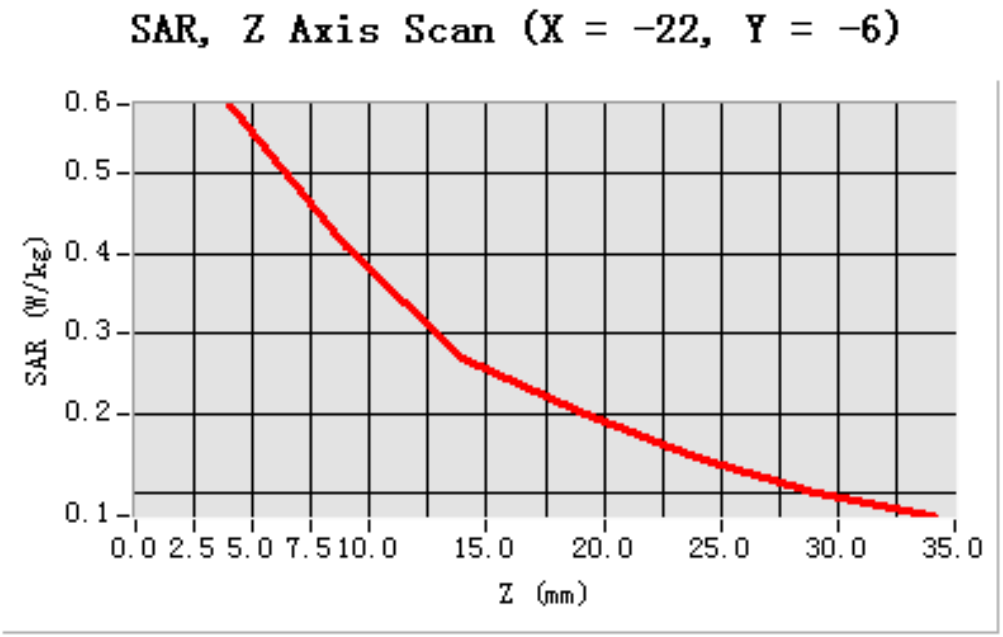


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.359632
SAR 1g (W/Kg)	0.571006

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



MEASUREMENT 13

Date of measurement: 24/9/2010

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

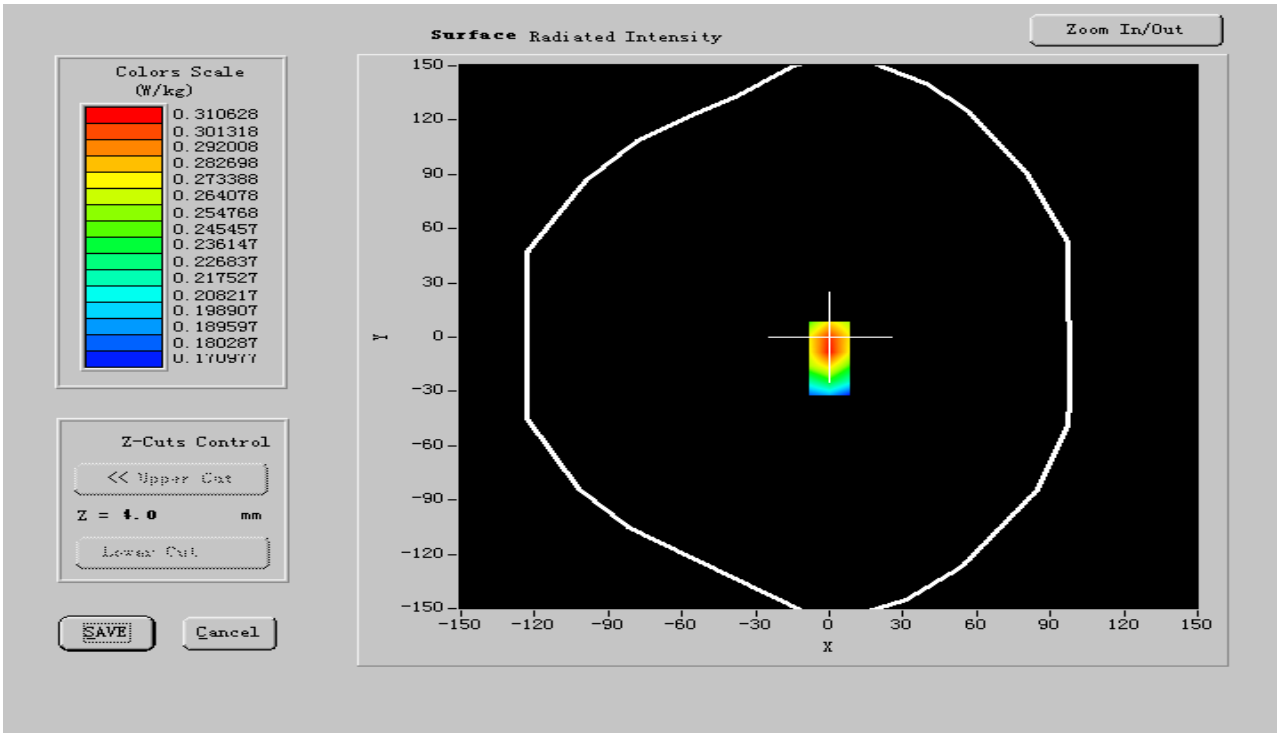
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

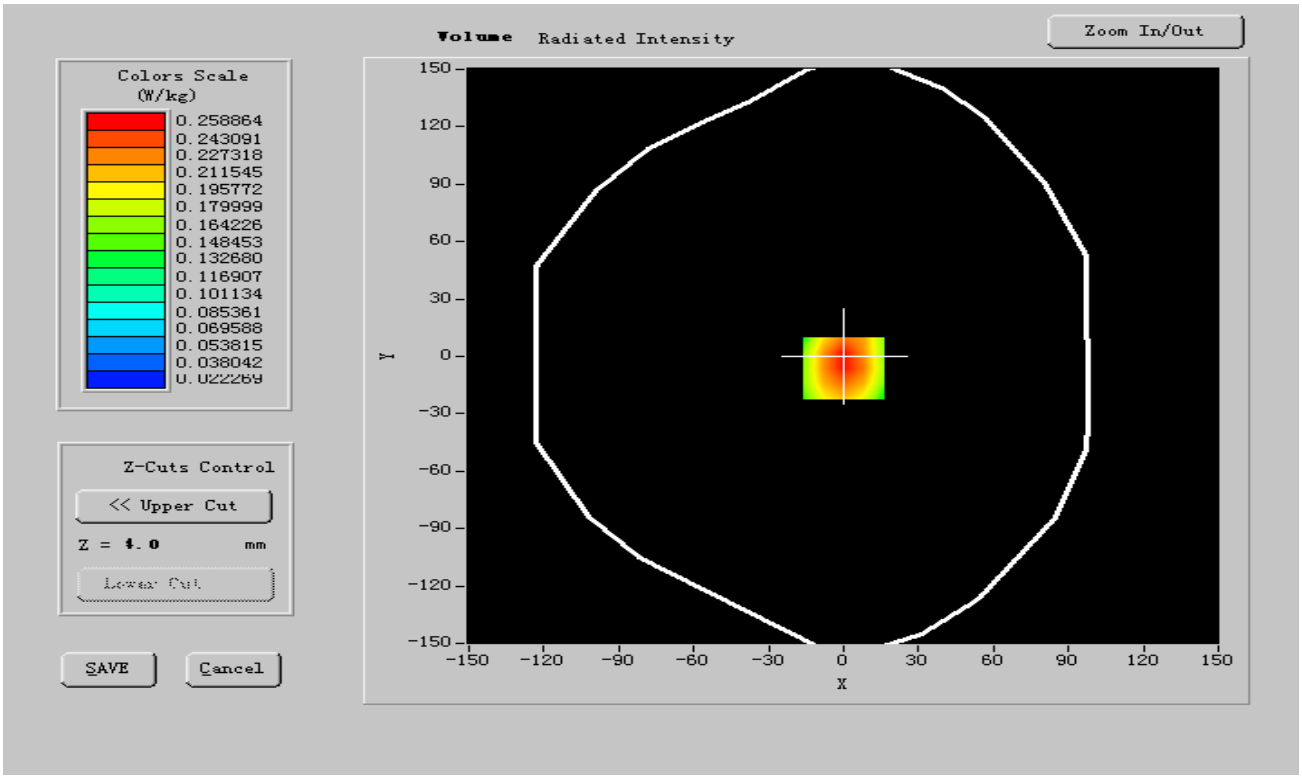
C. SAR Measurement Results

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

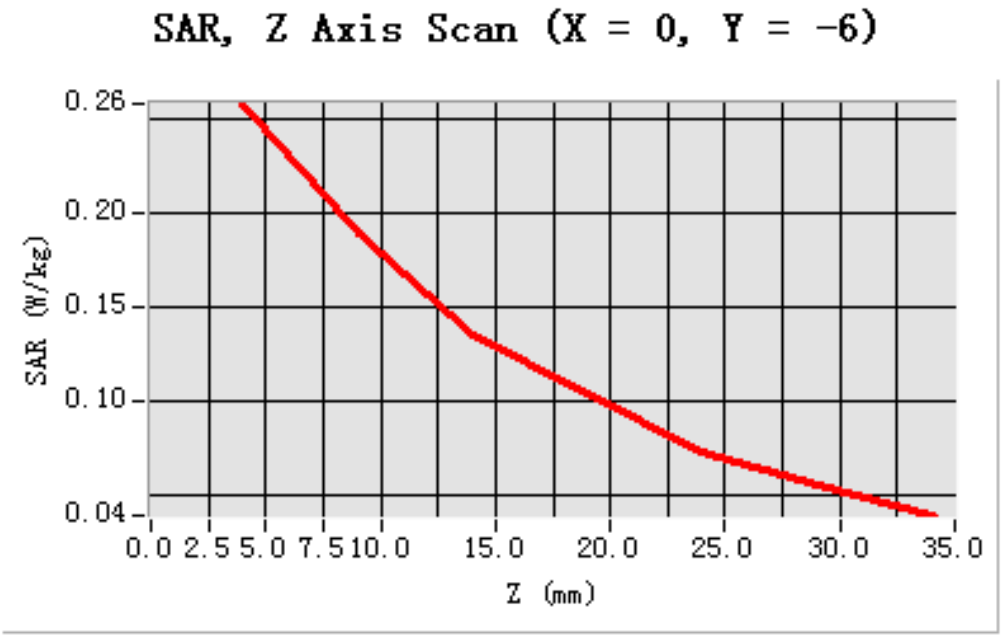


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.166891
SAR 1g (W/Kg)	0.251297

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



MEASUREMENT 14

Date of measurement: 24/9/2010

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

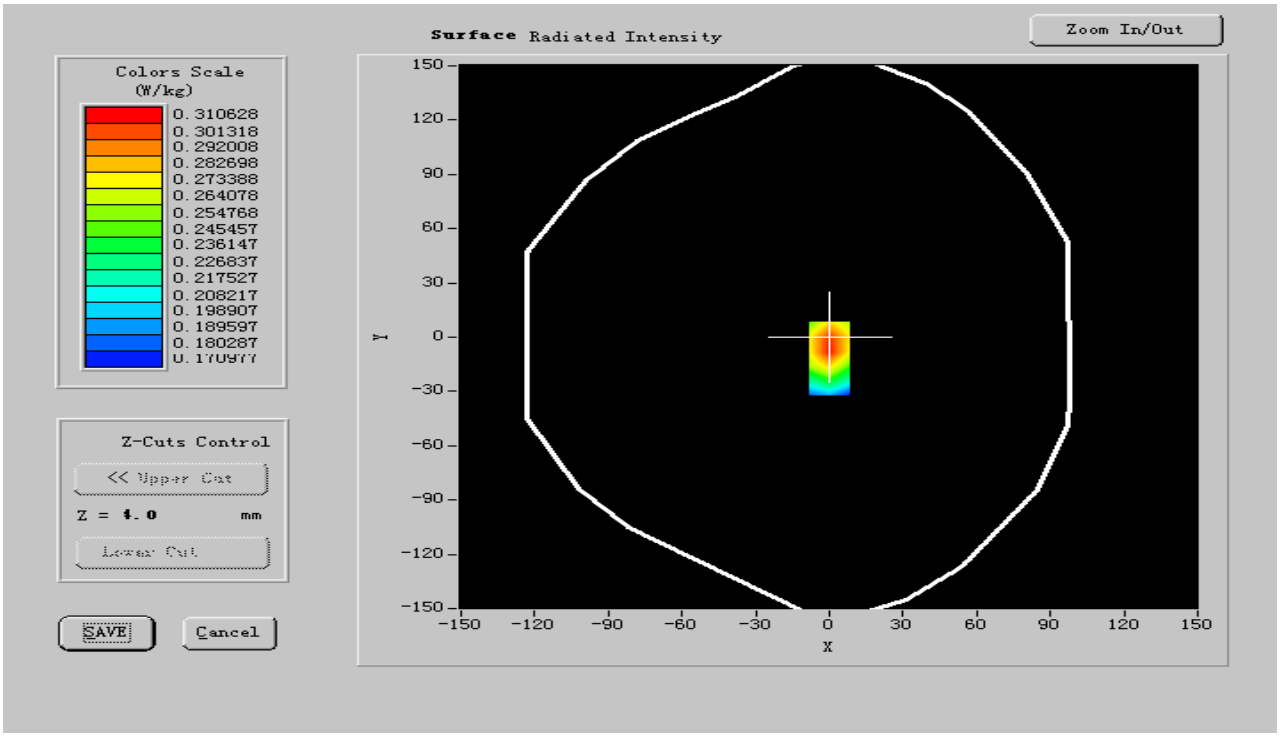
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

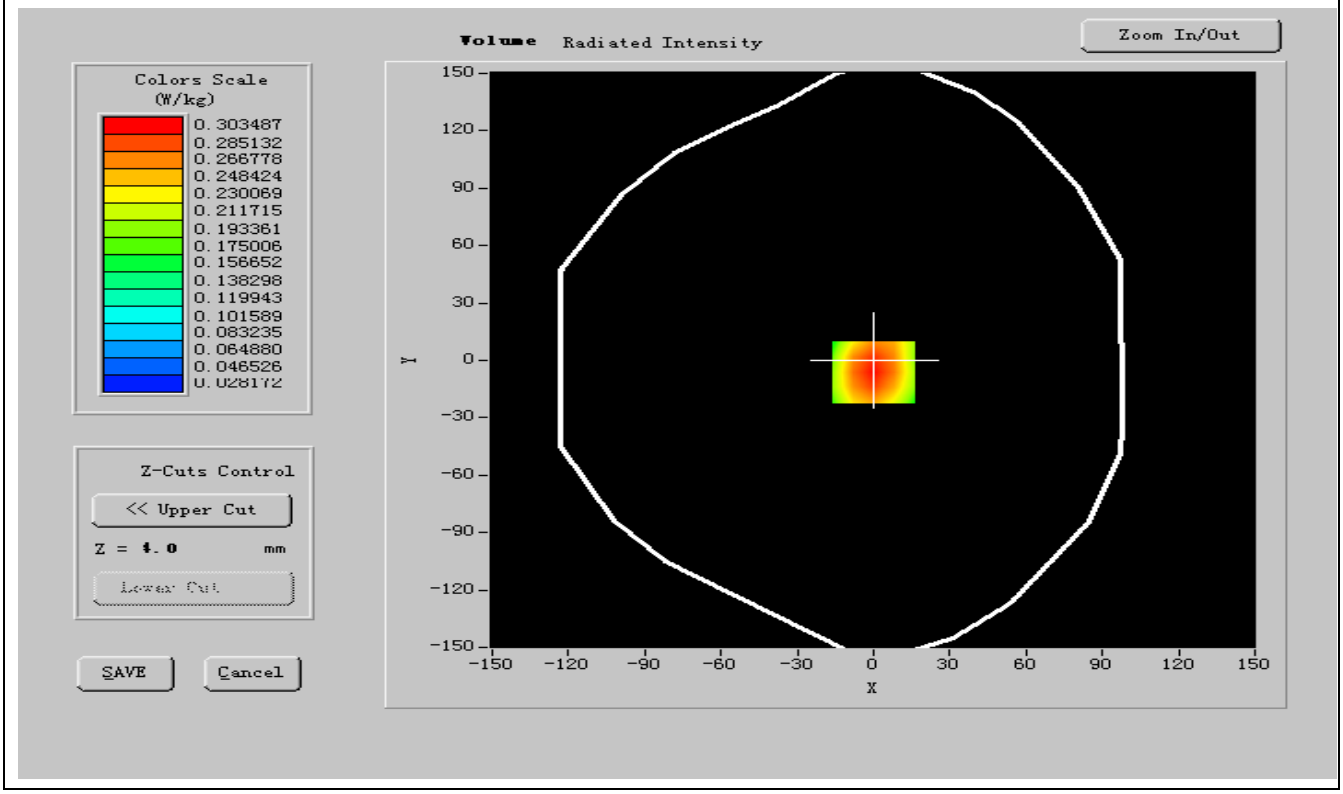
C. SAR Measurement Results

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

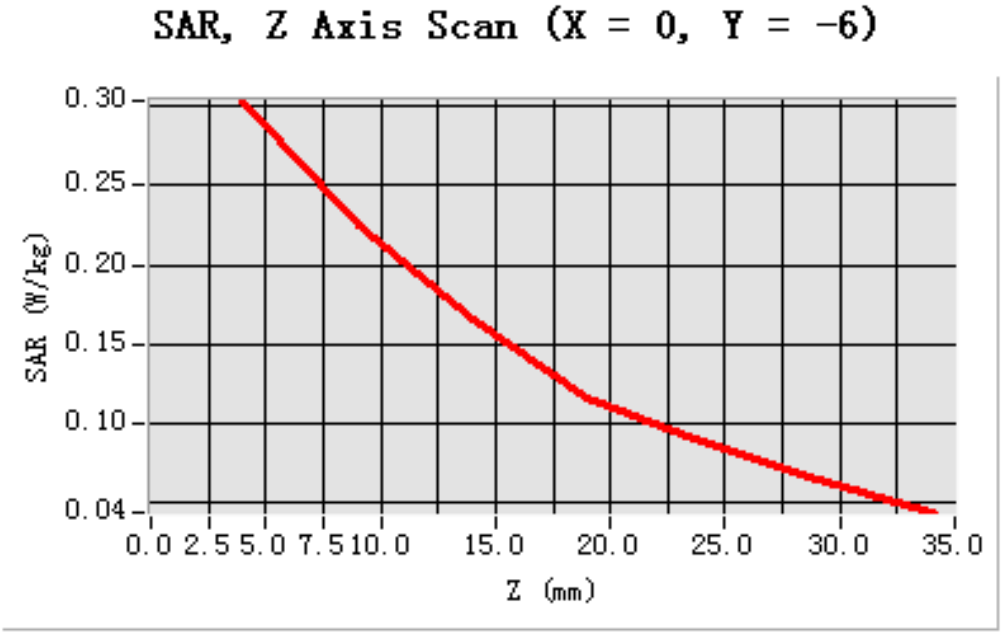


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.216520
SAR 1g (W/Kg)	0.289084

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



MEASUREMENT 15

Date of measurement: 24/9/2010

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

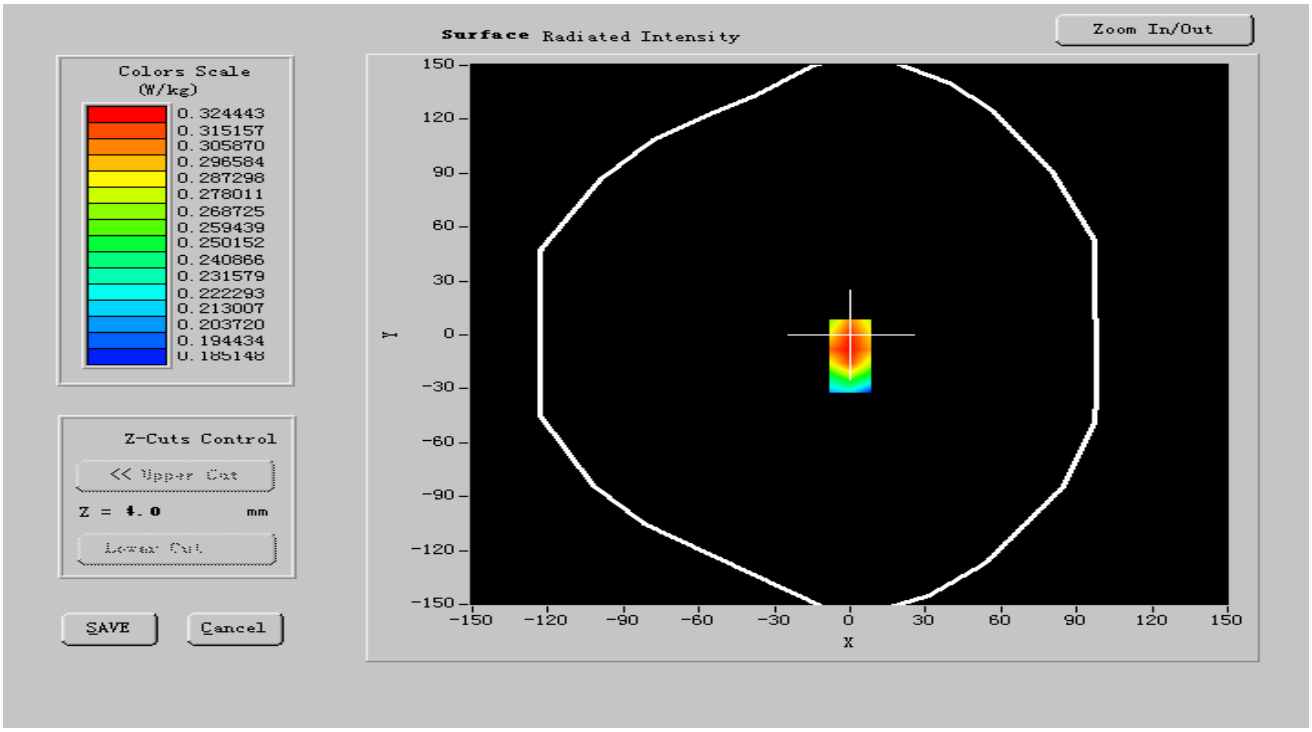
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

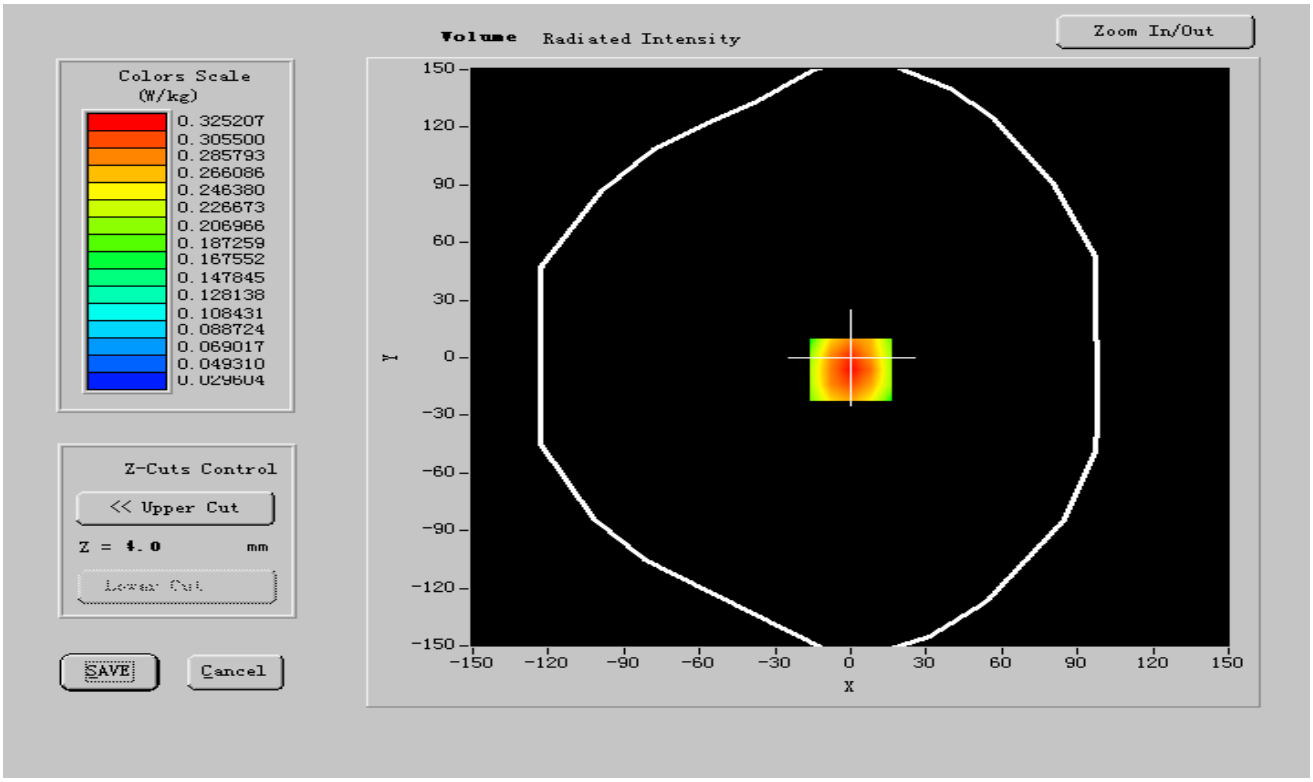
C. SAR Measurement Results

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

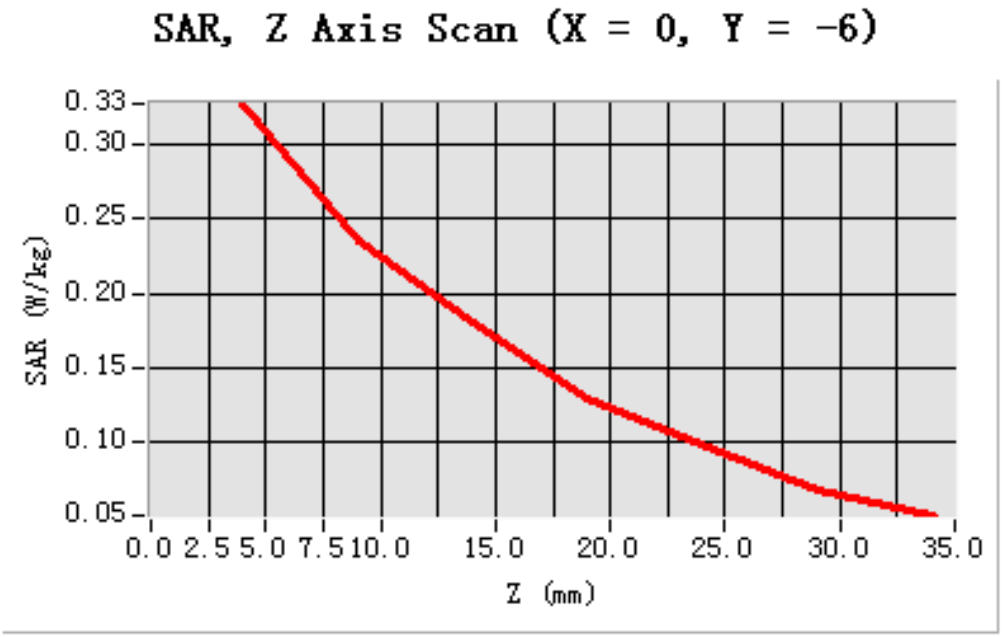


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.214581
SAR 1g (W/Kg)	0.306369

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



MEASUREMENT 16

Date of measurement: 24/9/2010

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

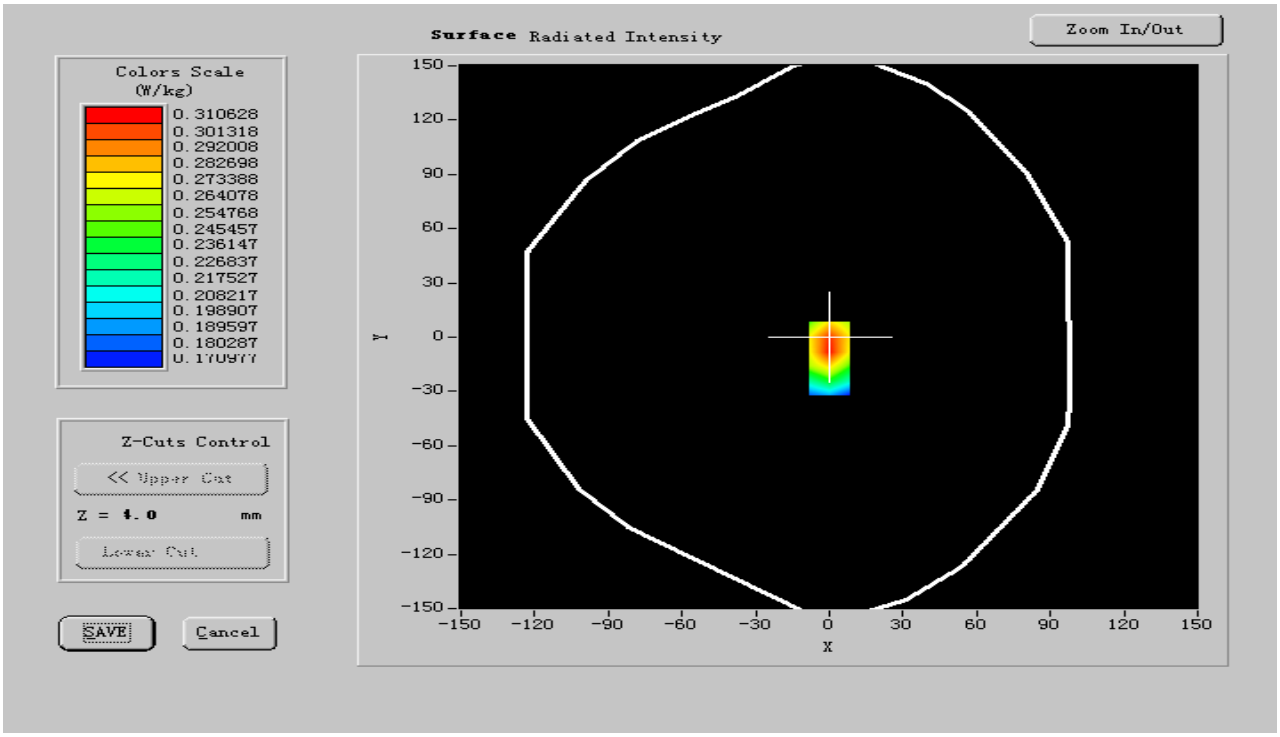
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

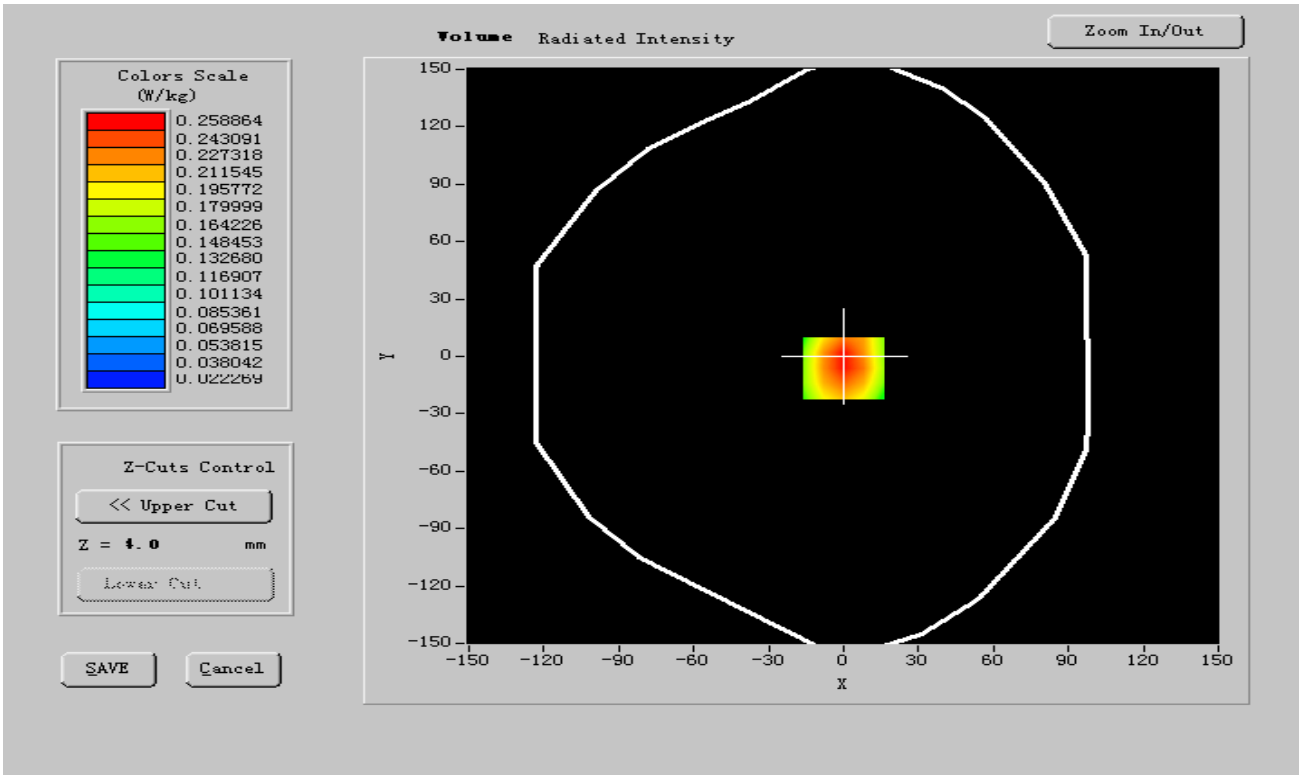
C. SAR Measurement Results

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

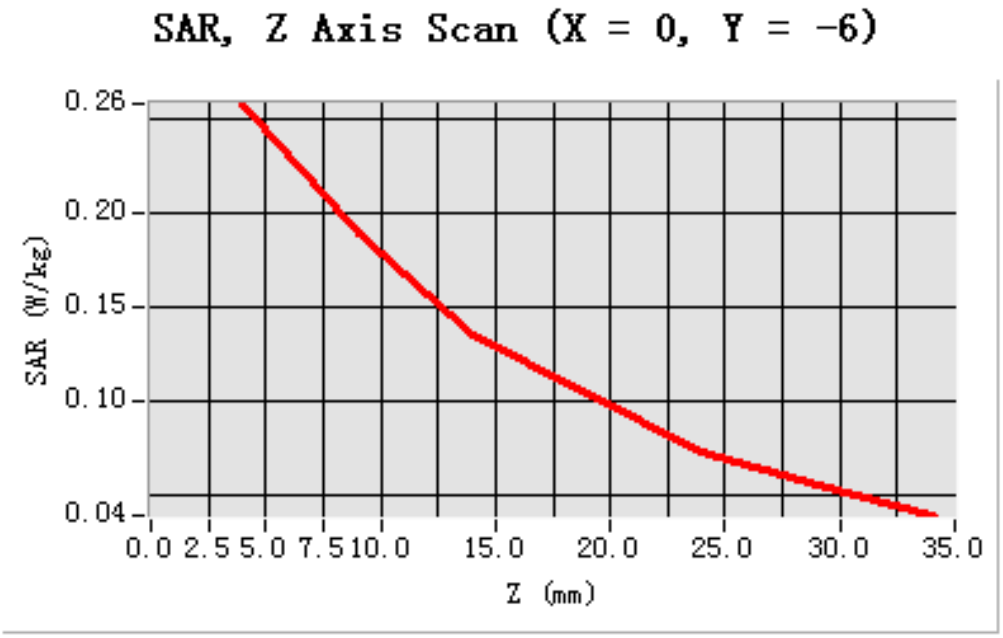


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.1543426
SAR 1g (W/Kg)	0.217234

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



MEASUREMENT 17

Date of measurement: 24/9/2010

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

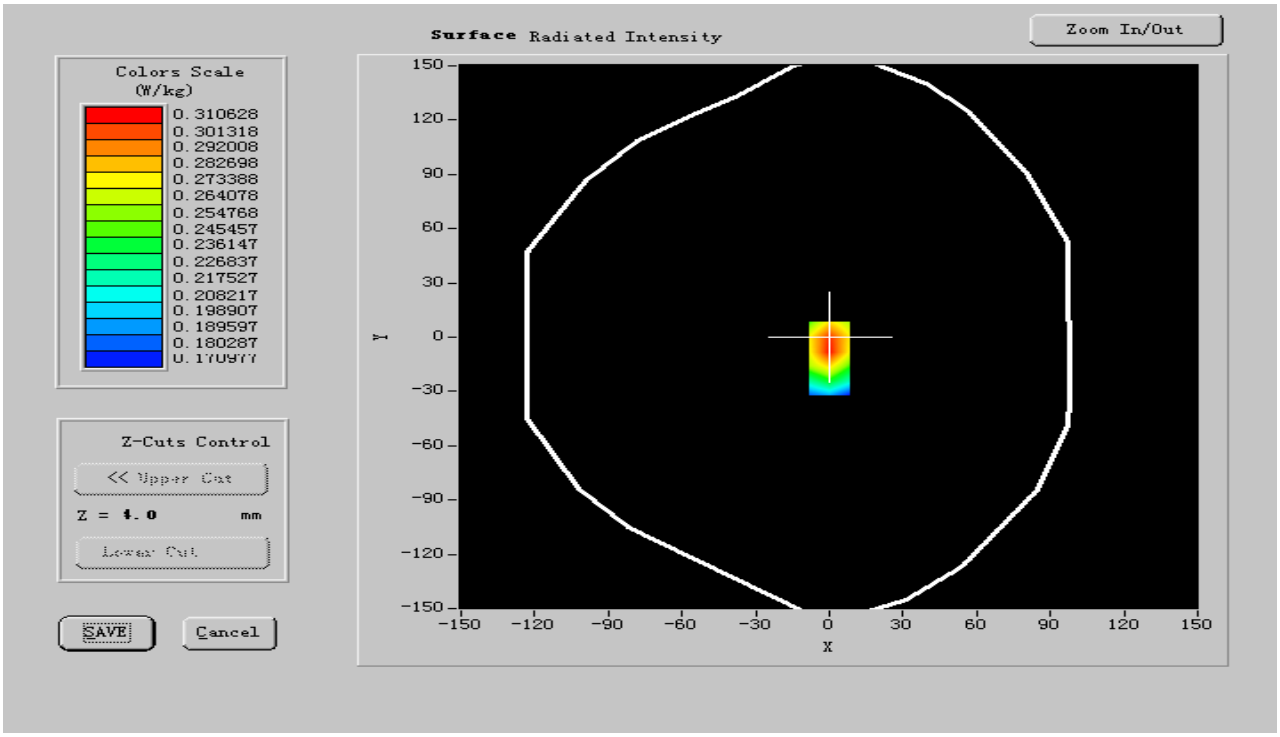
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

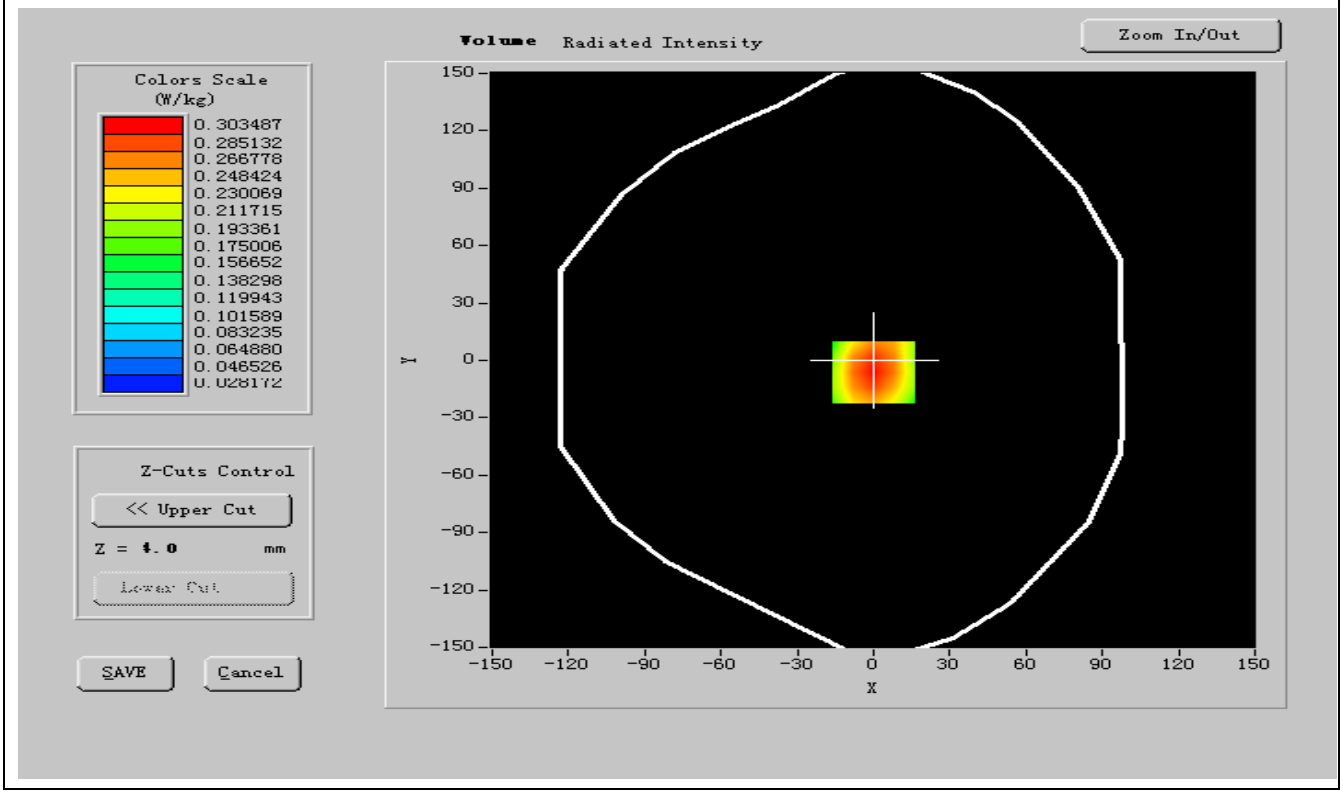
C. SAR Measurement Results

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

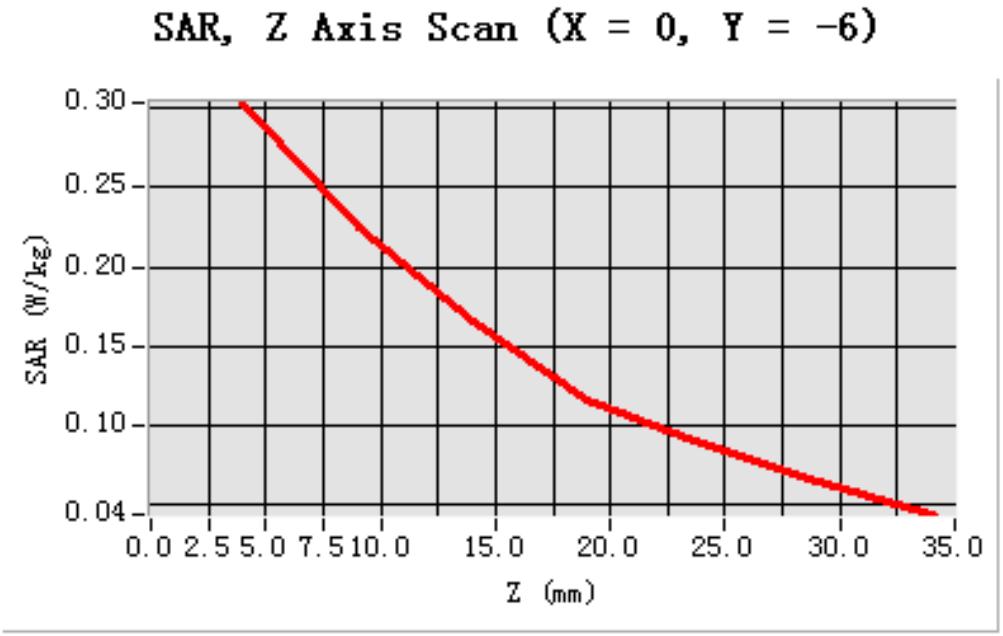


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.254352
SAR 1g (W/Kg)	0.239123

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



MEASUREMENT 18

Date of measurement: 24/9/2010

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

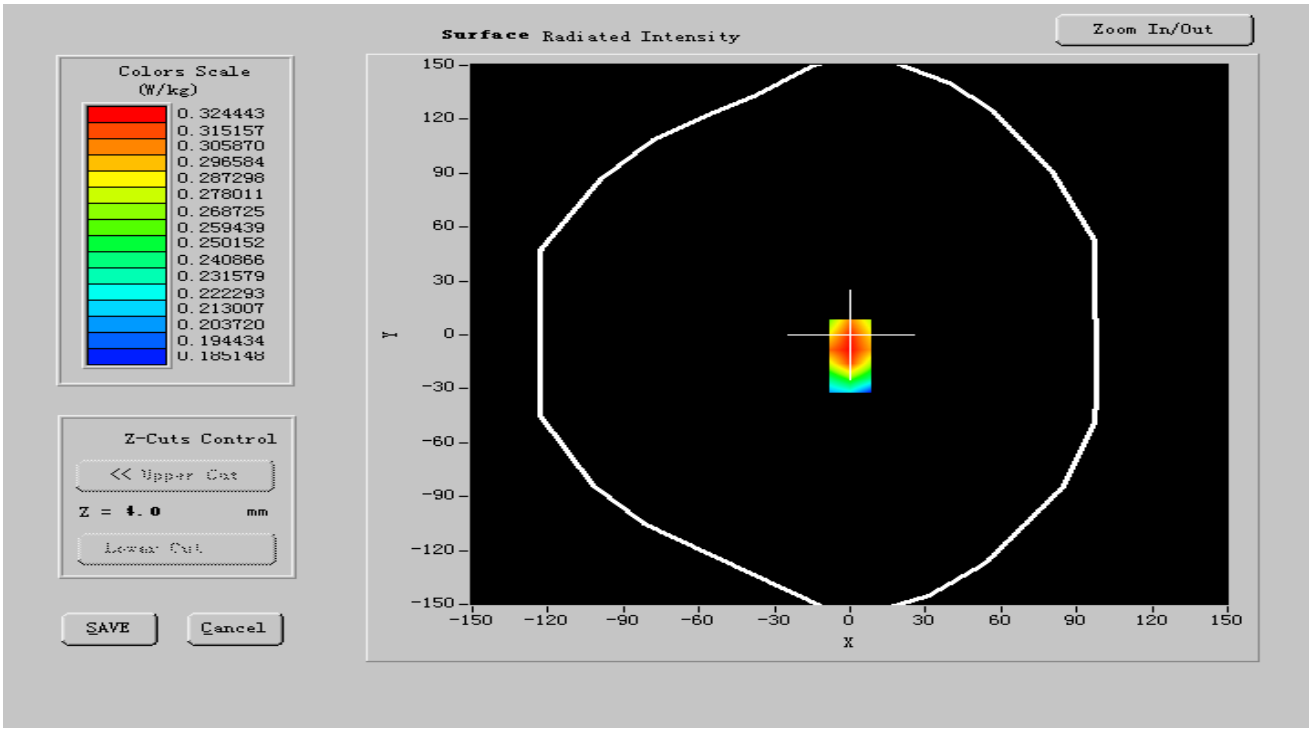
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

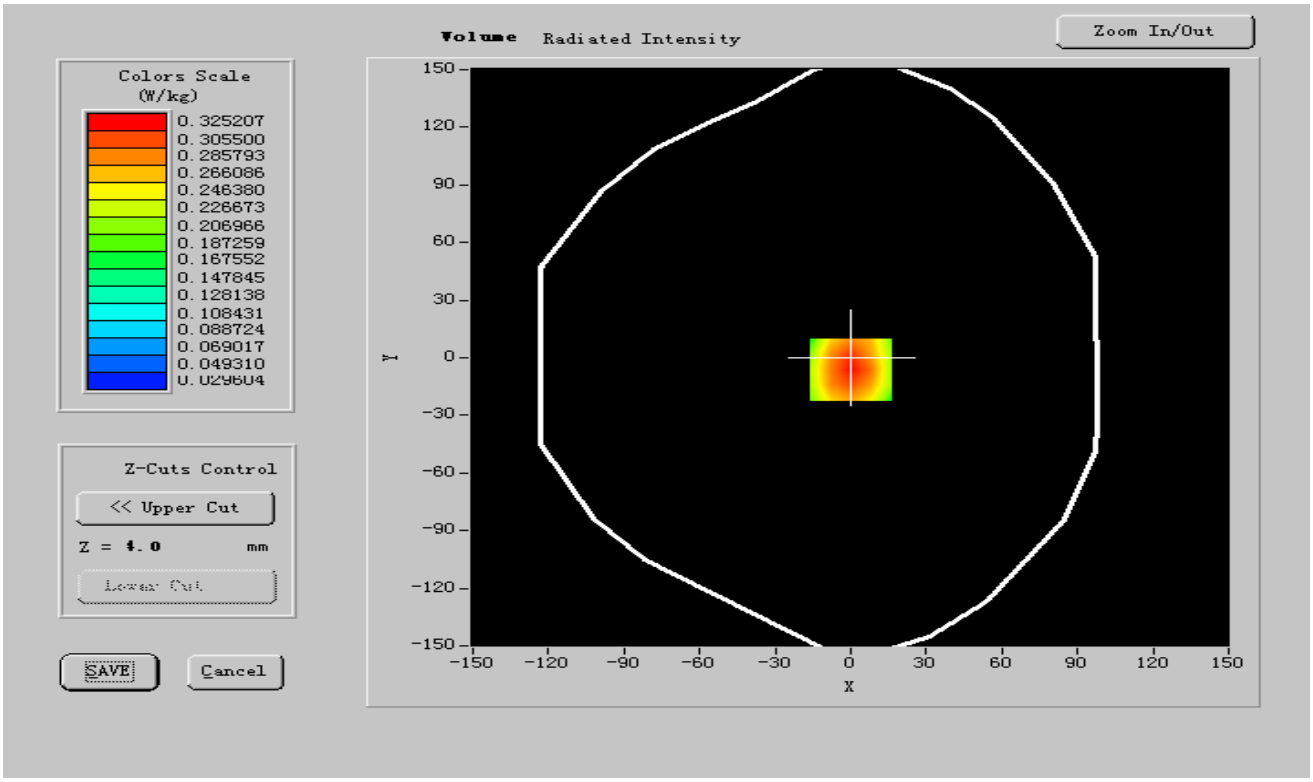
C. SAR Measurement Results

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

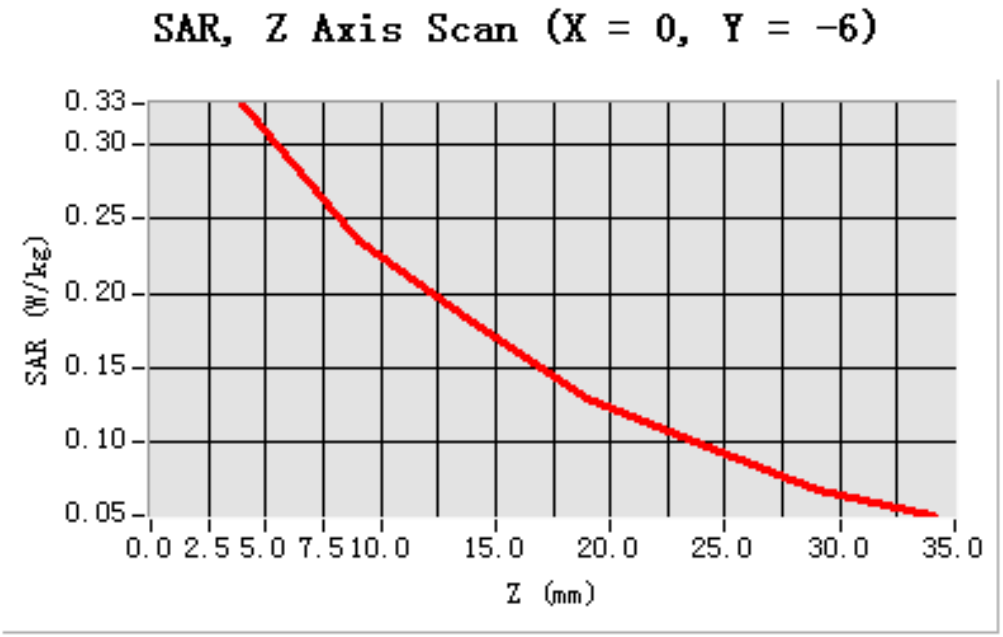


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.221345
SAR 1g (W/Kg)	0.286543

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



MEASUREMENT 19

Date of measurement: 24/9/2010

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

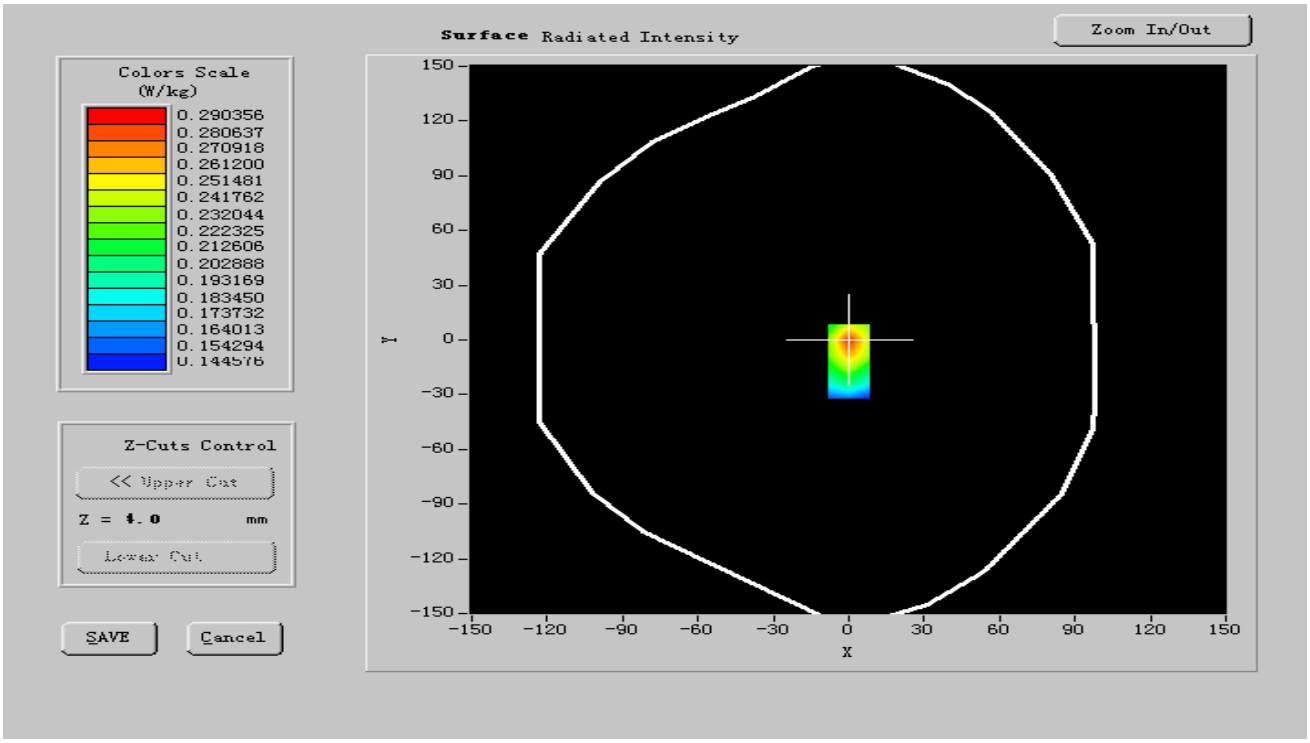
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

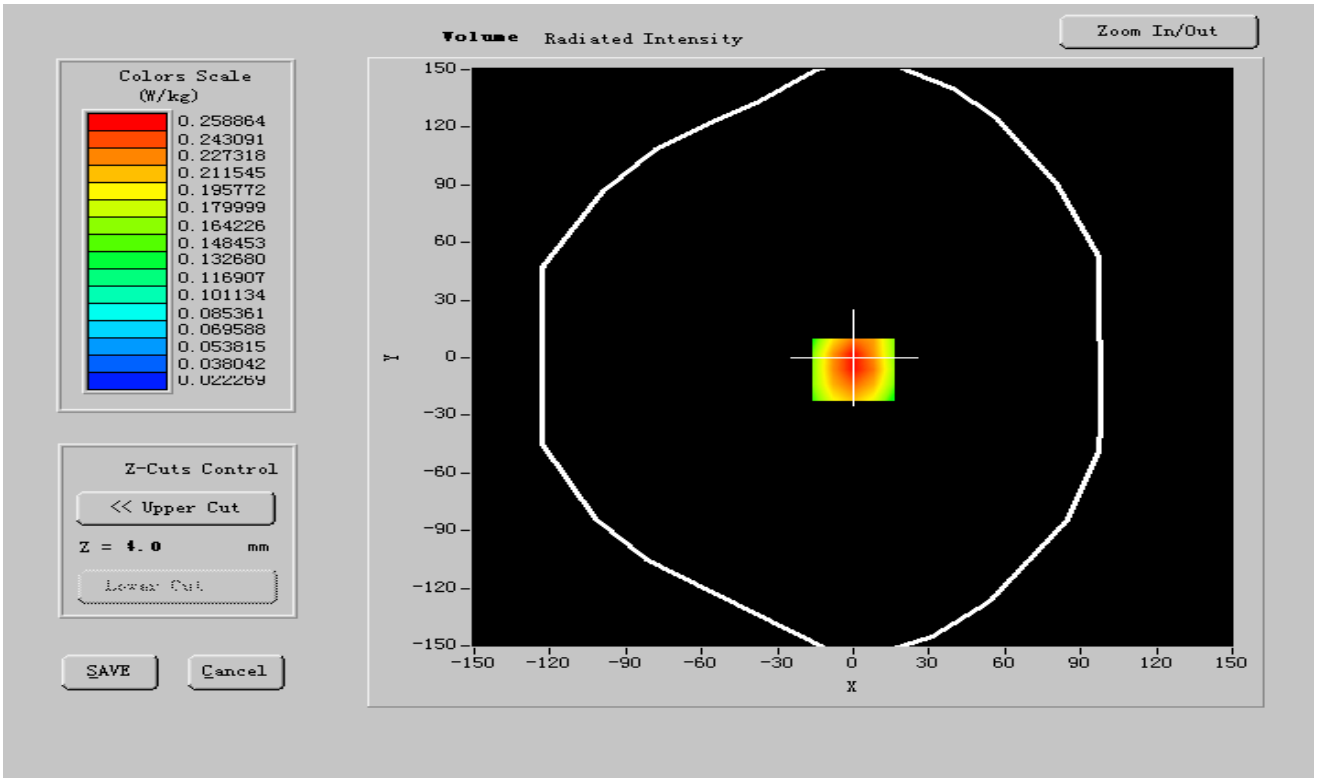
C. SAR Measurement Results

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

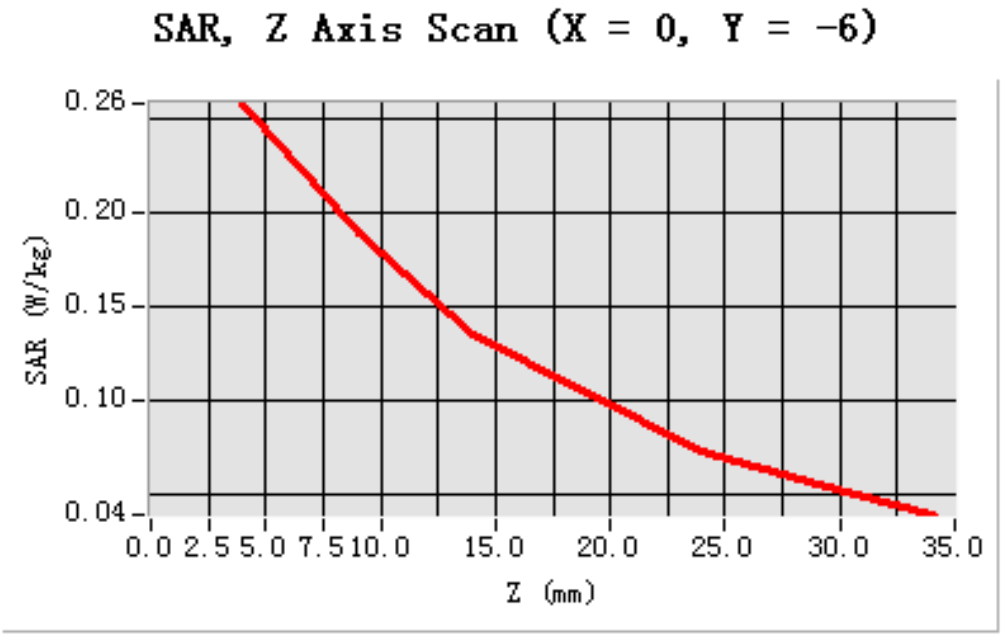


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.161258
SAR 1g (W/Kg)	0.287832

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



MEASUREMENT 20

Date of measurement: 24/9/2010

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

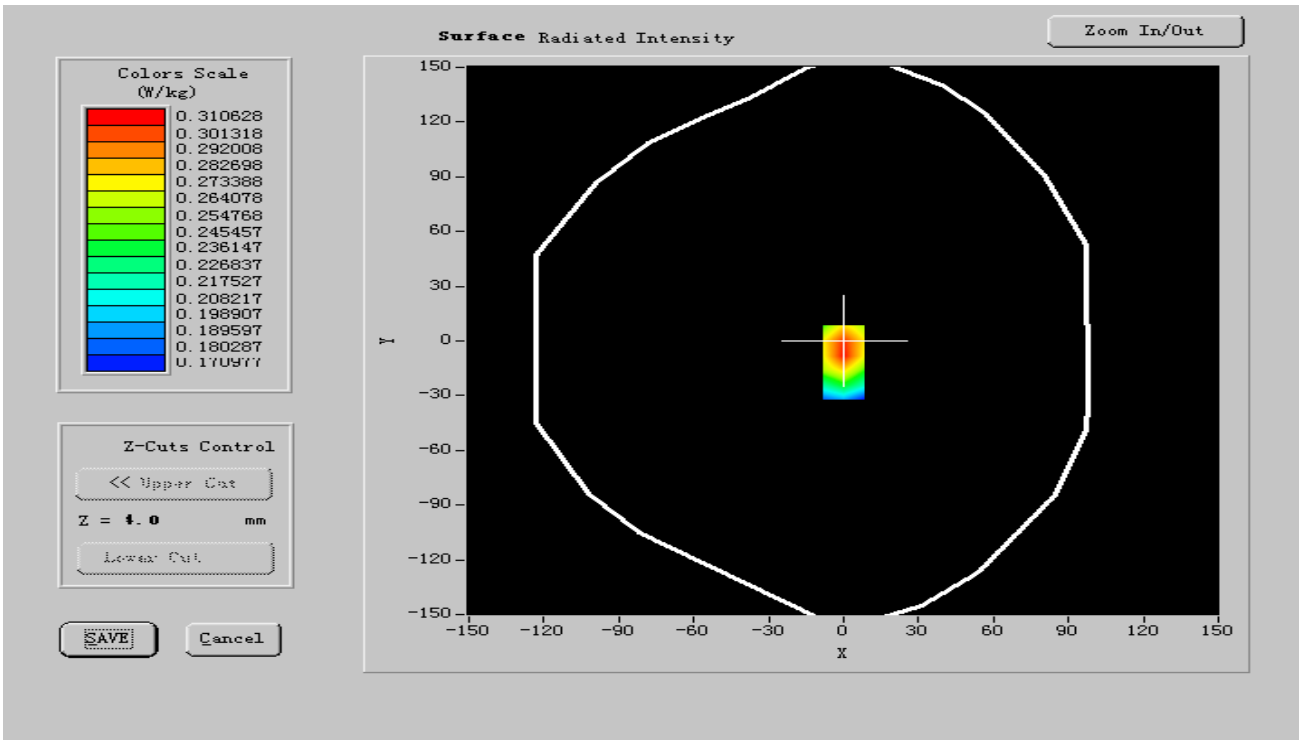
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

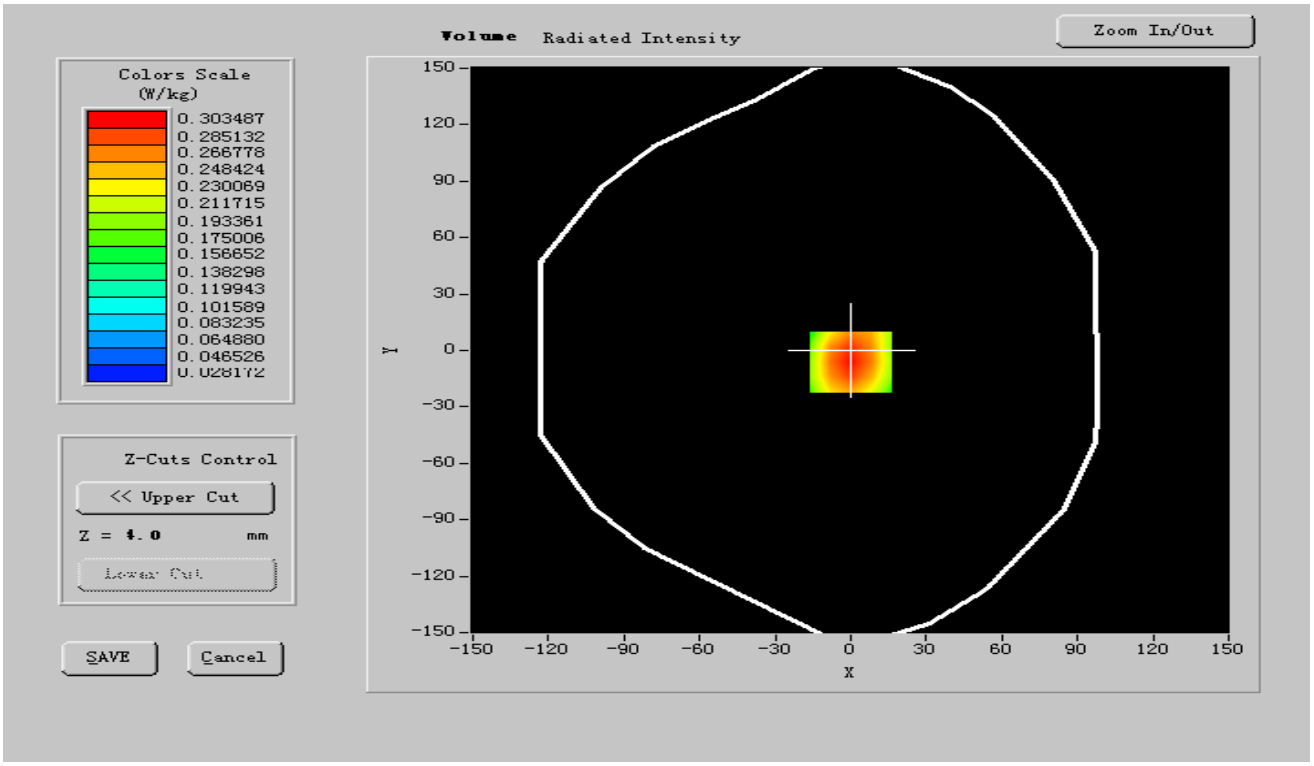
C. SAR Measurement Results

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

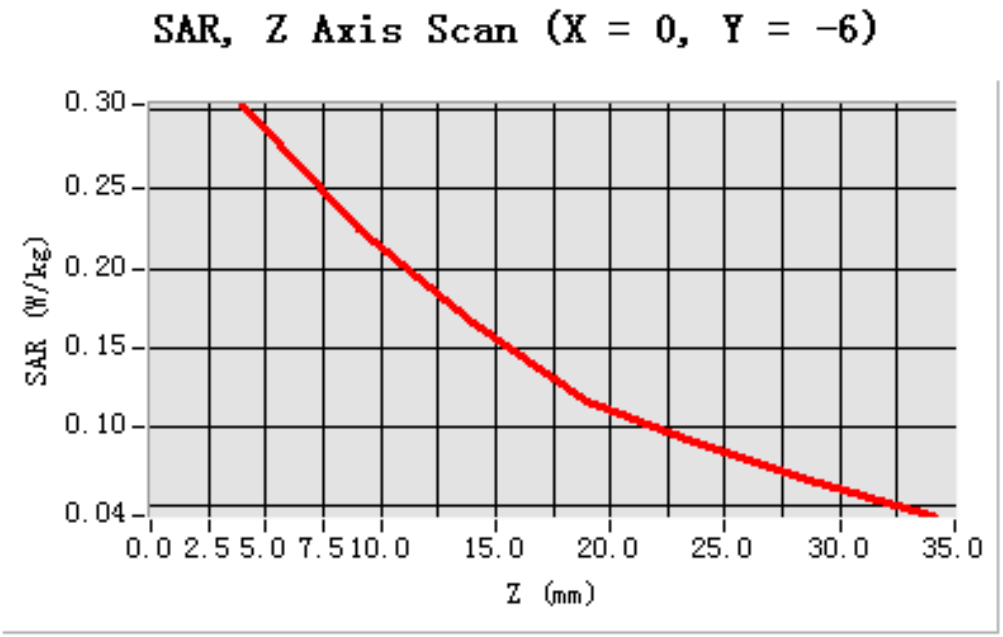


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.233695
SAR 1g (W/Kg)	0.292963

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



MEASUREMENT 21

Date of measurement: 24/9/2010

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

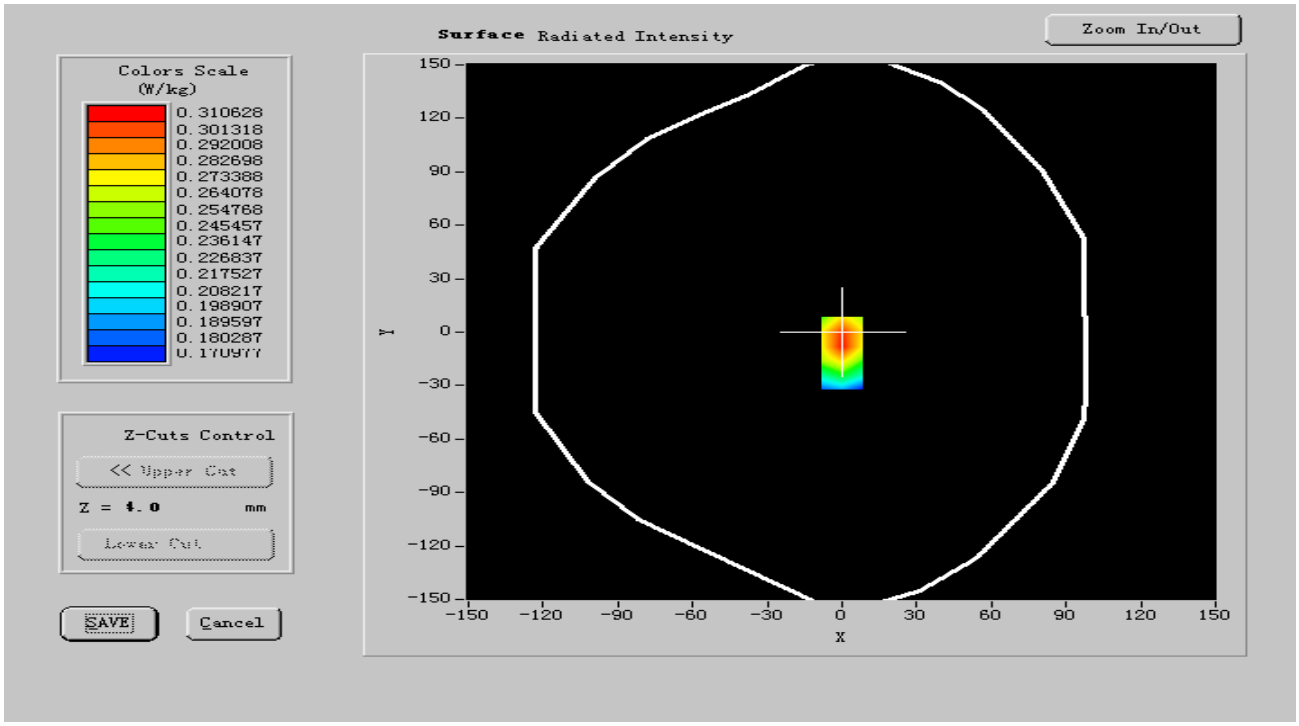
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

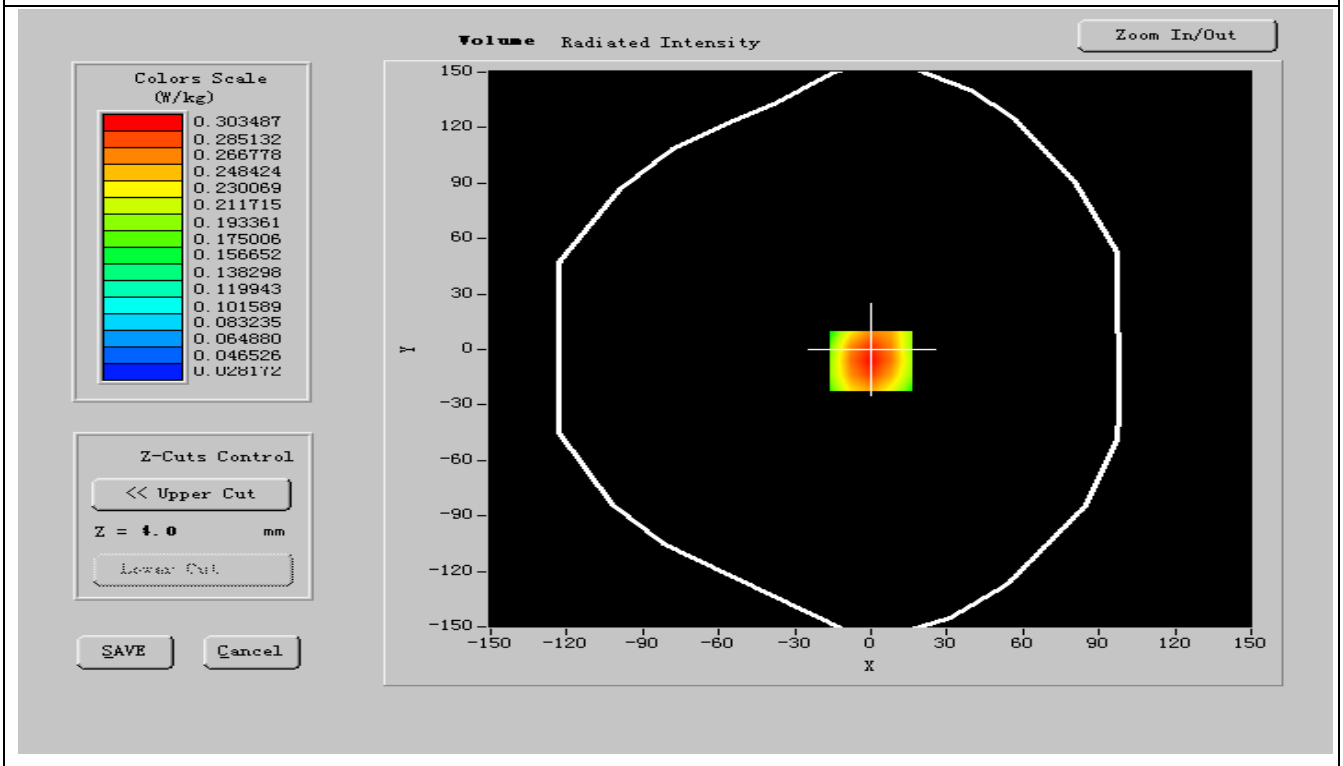
C. SAR Measurement Results

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

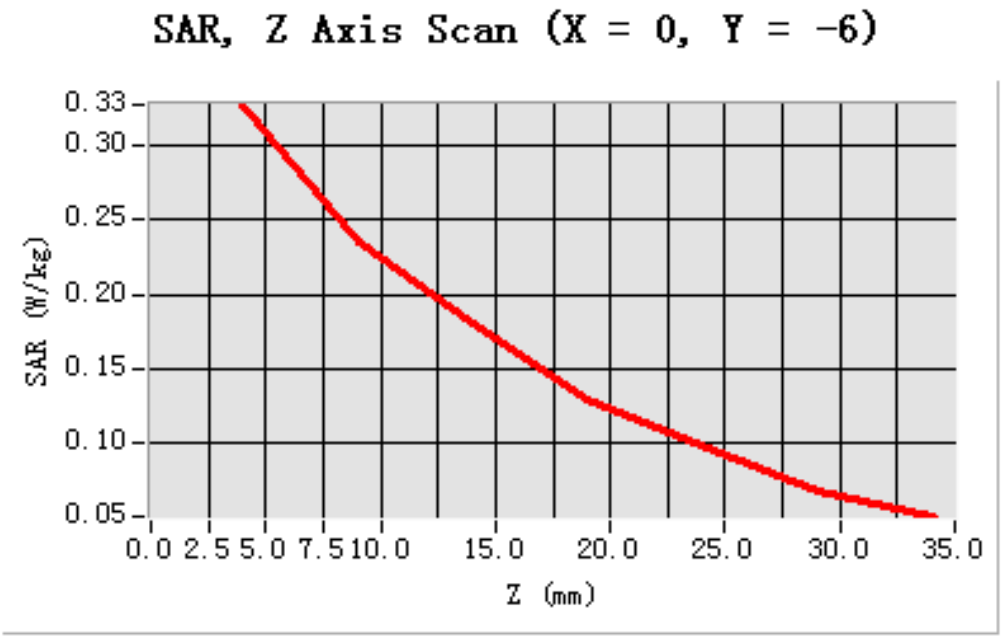


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.211258
SAR 1g (W/Kg)	0.323258

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



MEASUREMENT 22

Date of measurement: 24/9/2010

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

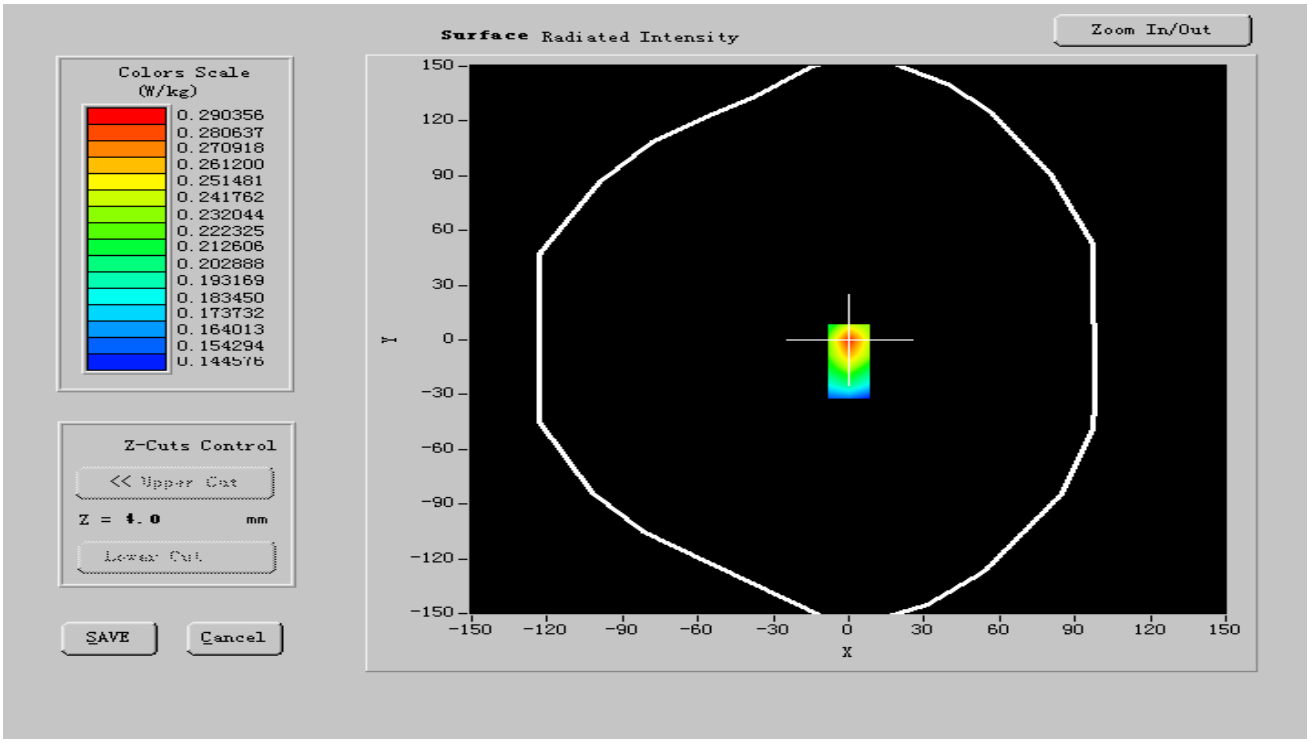
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

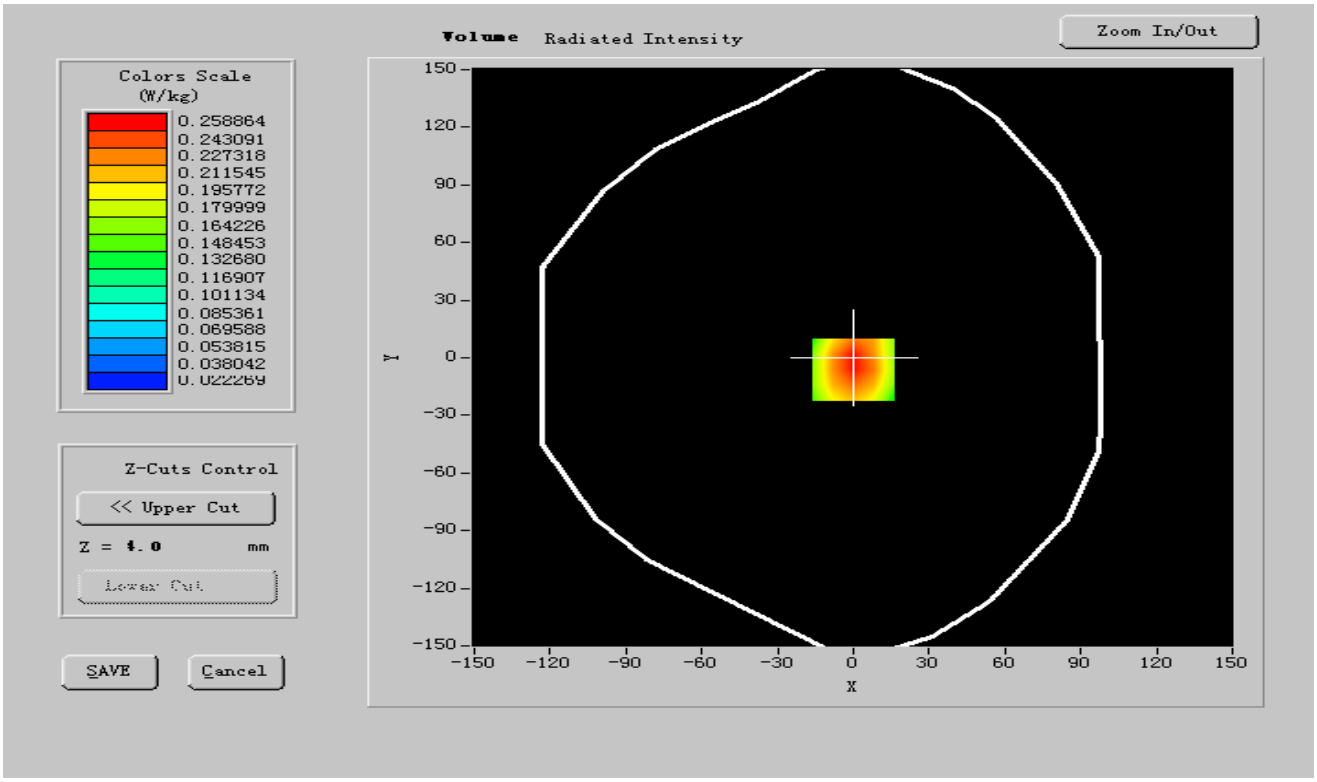
C. SAR Measurement Results

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

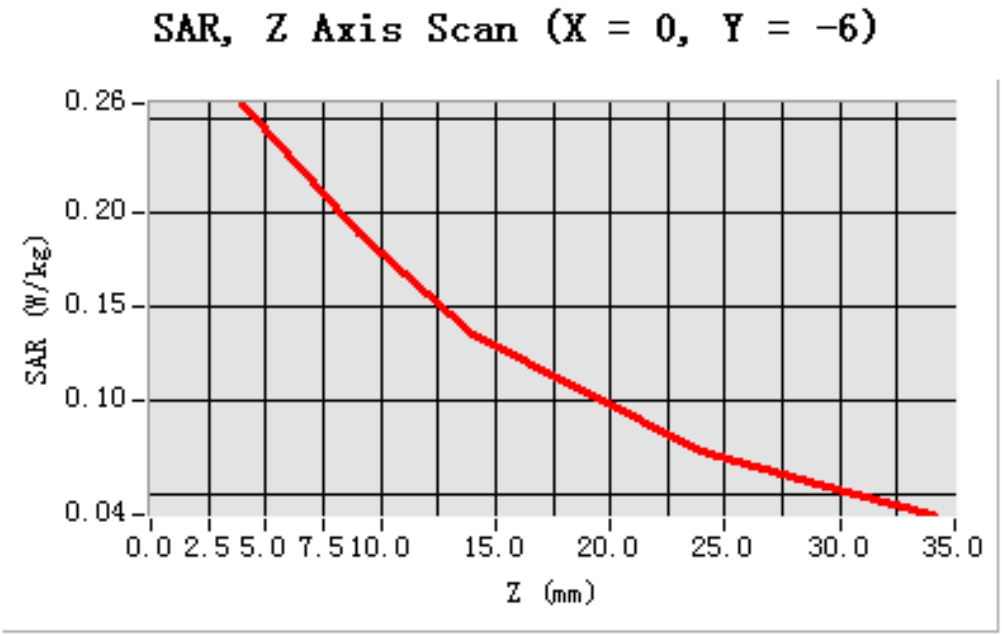


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.161258
SAR 1g (W/Kg)	0.257832

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



MEASUREMENT 23

Date of measurement: 24/9/2010

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

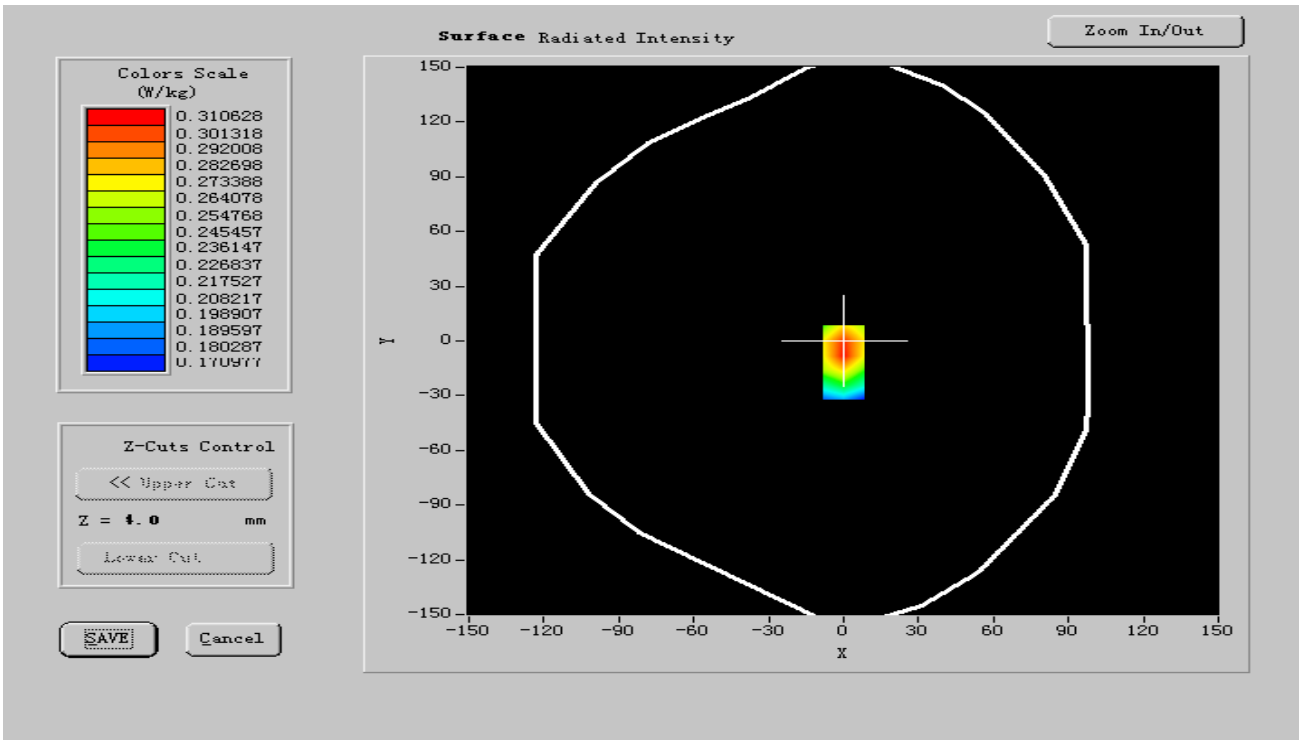
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

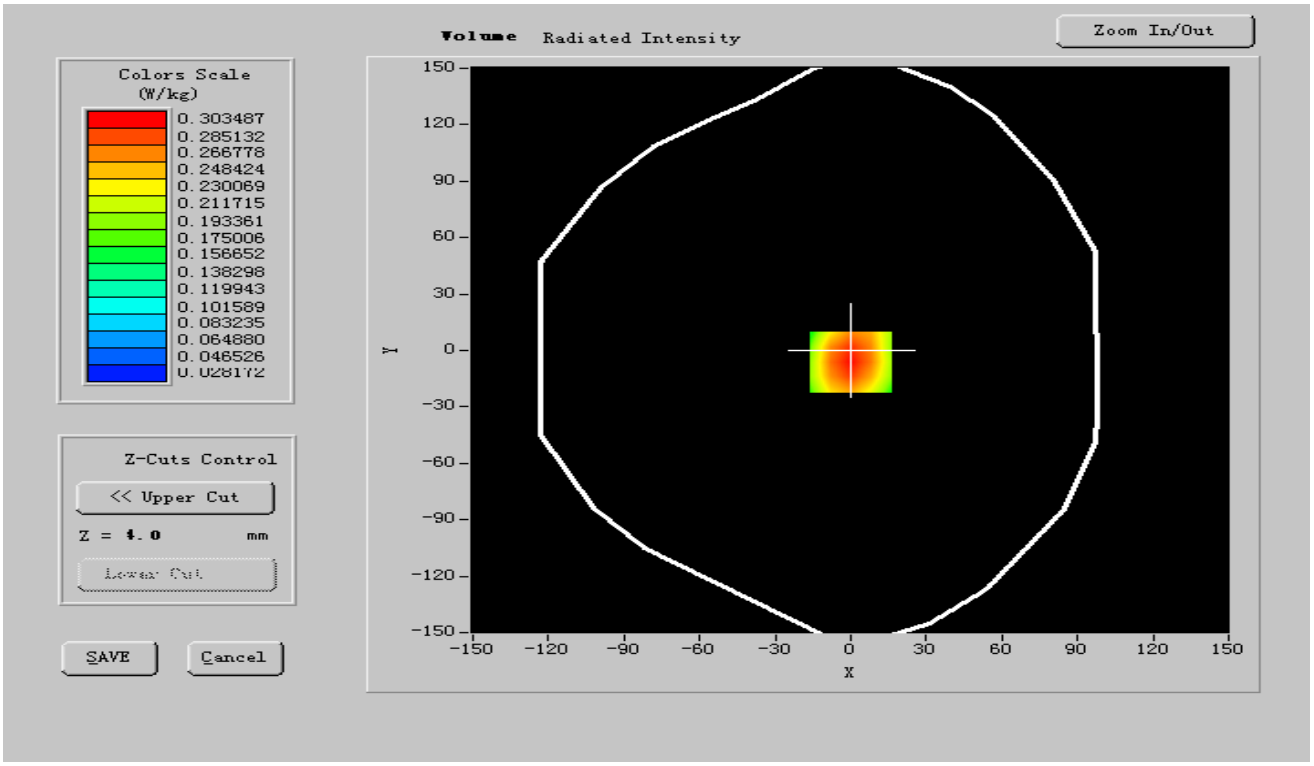
C. SAR Measurement Results

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

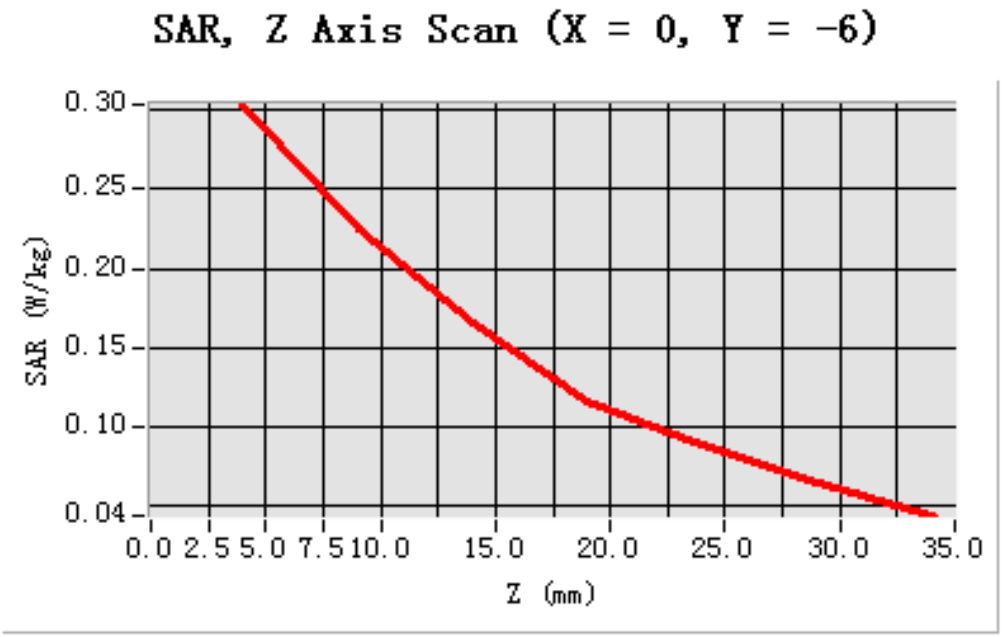


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.275467
SAR 1g (W/Kg)	0.252967

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



MEASUREMENT 24

Date of measurement: 24/9/2010

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

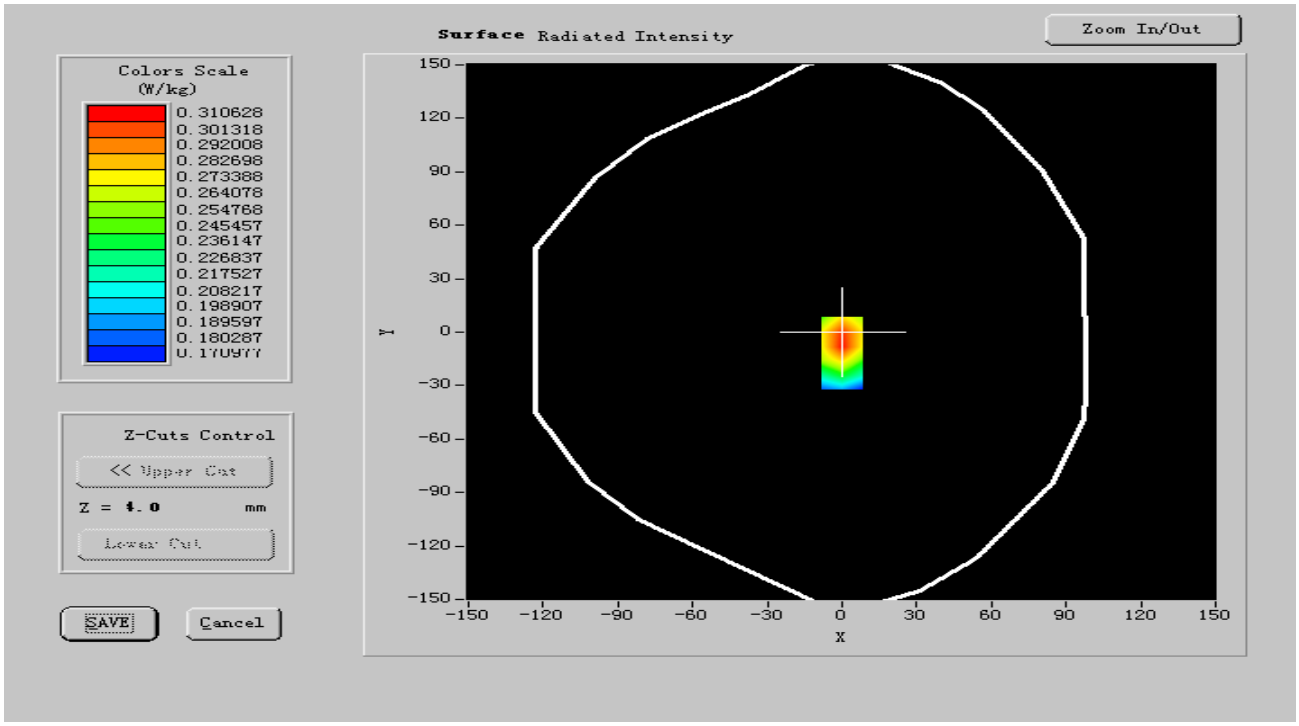
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

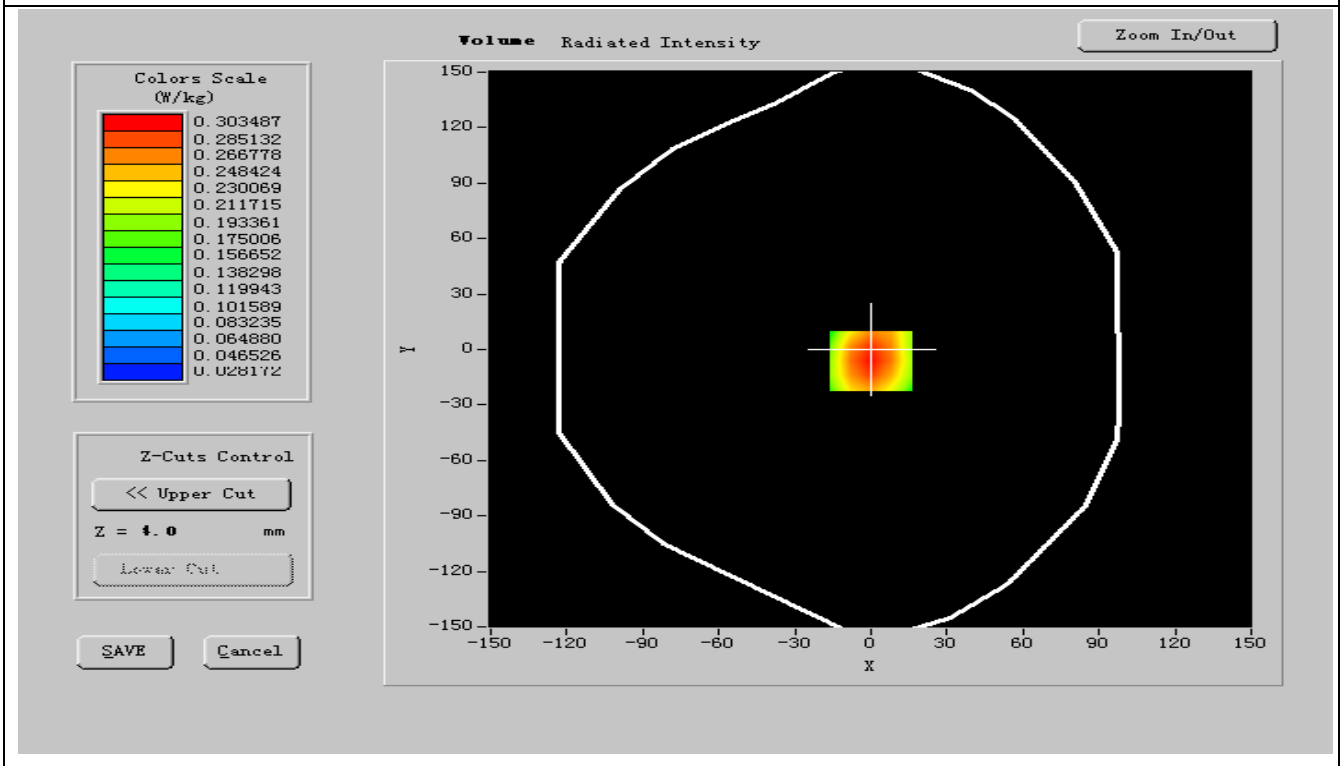
C. SAR Measurement Results

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

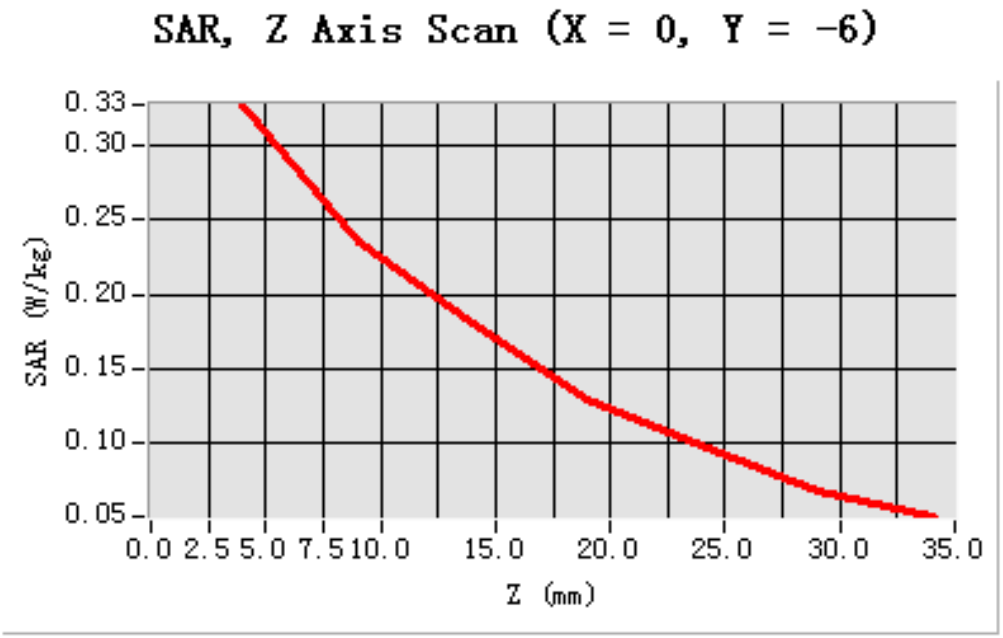


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.211258
SAR 1g (W/Kg)	0.301256

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



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(Bottom) Measurement 14: FrontSide toward phantom 15mm, Middle Channel in GSM1900 mode(Bottom) Measurement 15: FrontSide toward phantom 15mm, High Channel in GSM1900 mode(Bottom) Measurement 16: FrontSide toward phantom 15mm, Low Channel in GSM1900 mode(Top) Measurement 17: FrontSide toward phantom 15mm, Middle Channel in GSM1900 mode(Top) Measurement 18: FrontSide toward phantom 15mm, High Channel in GSM1900 mode(Top)) Measurement 19: FrontSide toward phantom 15mm, Low Channel in GPRS1900 mode(Bottom)

	Measurement 20: FrontSide toward phantom 15mm, Middle Channel in GPRS1900 mode(Bottom) Measurement 21: FrontSide toward phantom 15mm, High Channel in GPRS1900 mode(Bottom) Measurement 22: FrontSide toward phantom 15mm, Low Channel in GPRS1900 mode Top) Measurement 23: FrontSide toward phantom 15mm, Middle Channel in GPRS1900 mode(Top) Measurement 24: FrontSide toward phantom 15mm, High Channel in GPRS1900 mode(Top)

MEASUREMENT 1

Date of measurement: 15/11/2010

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

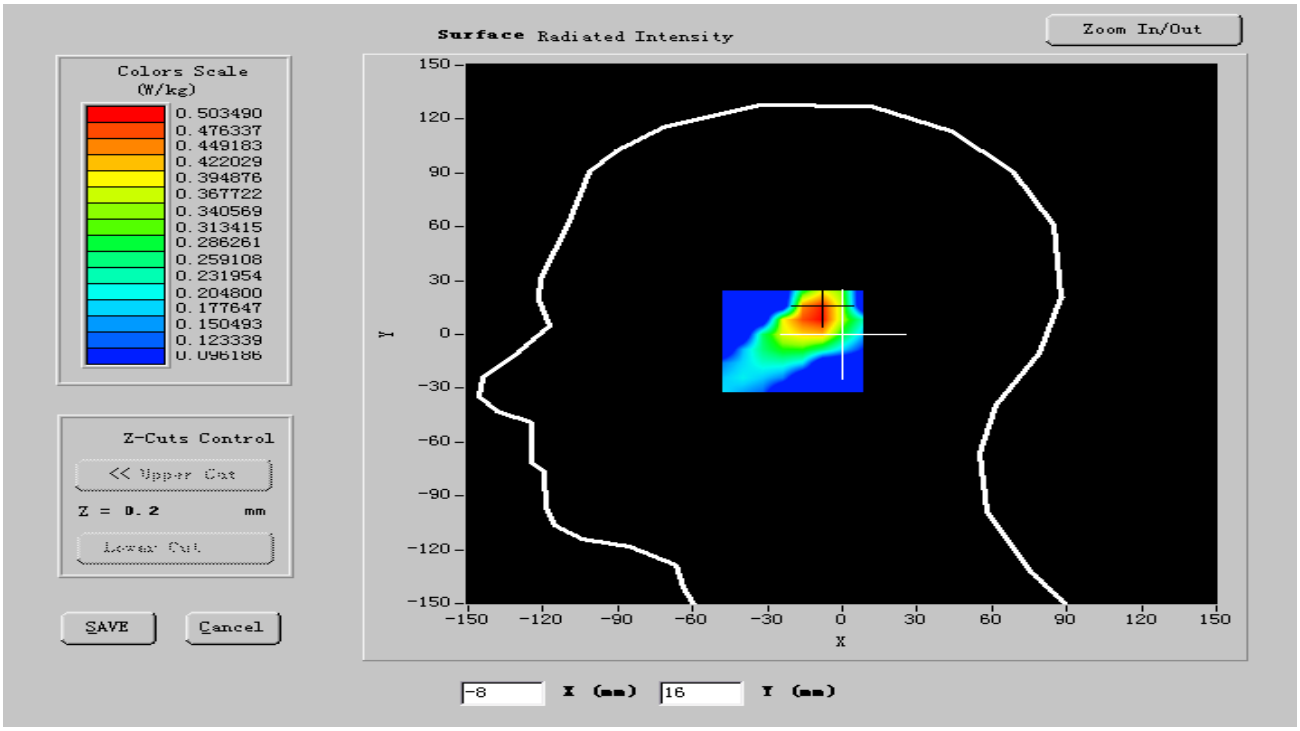
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

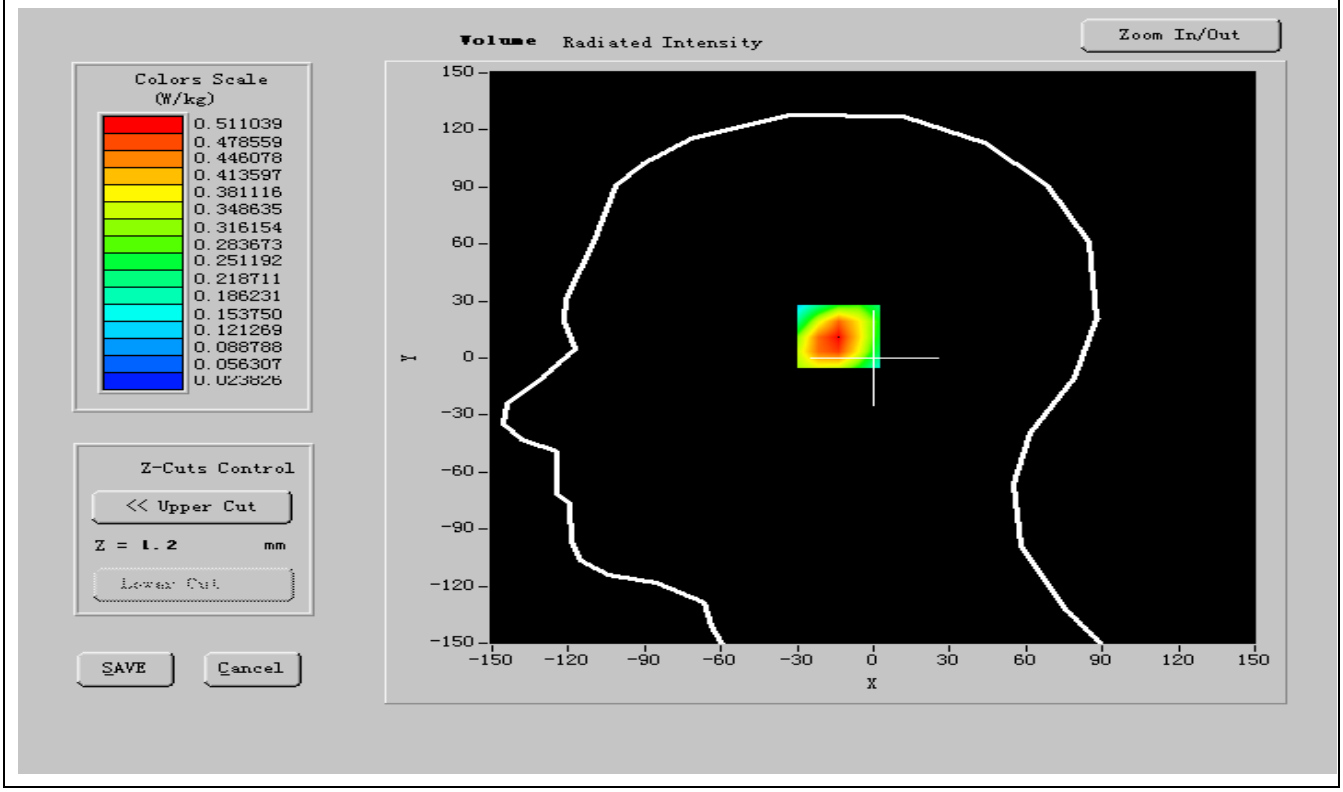
C. SAR Measurement Results

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:	**41.05, 42.35, 55.45**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

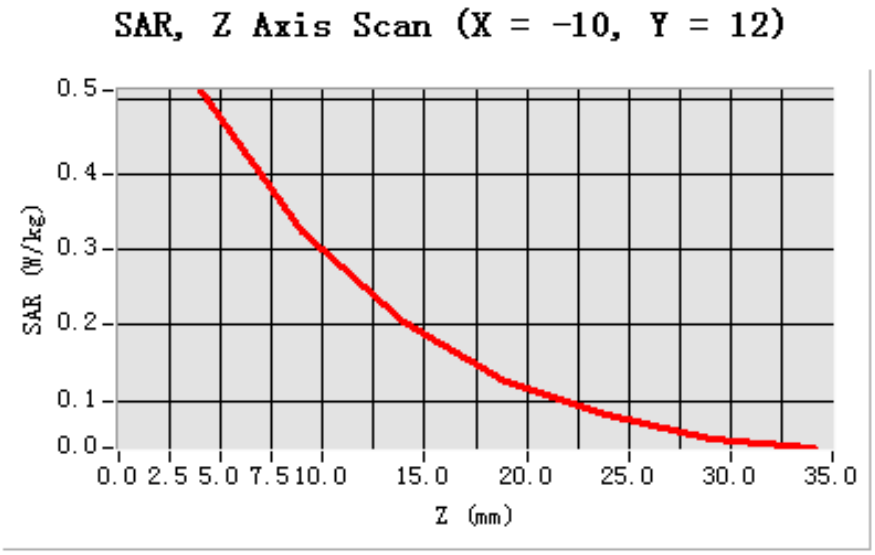


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.278521
SAR 1g (W/Kg)	0.463368

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



MEASUREMENT 2

Date of measurement: 15/11/2010

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

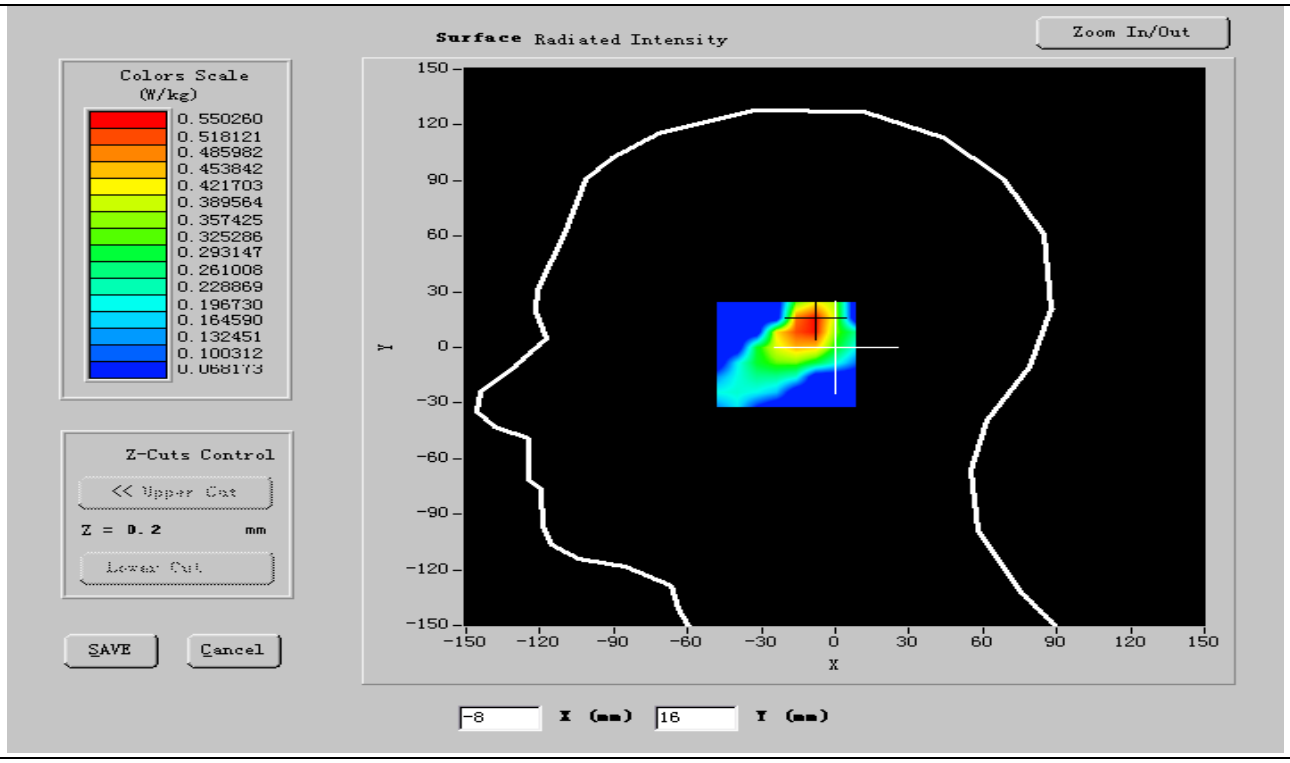
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

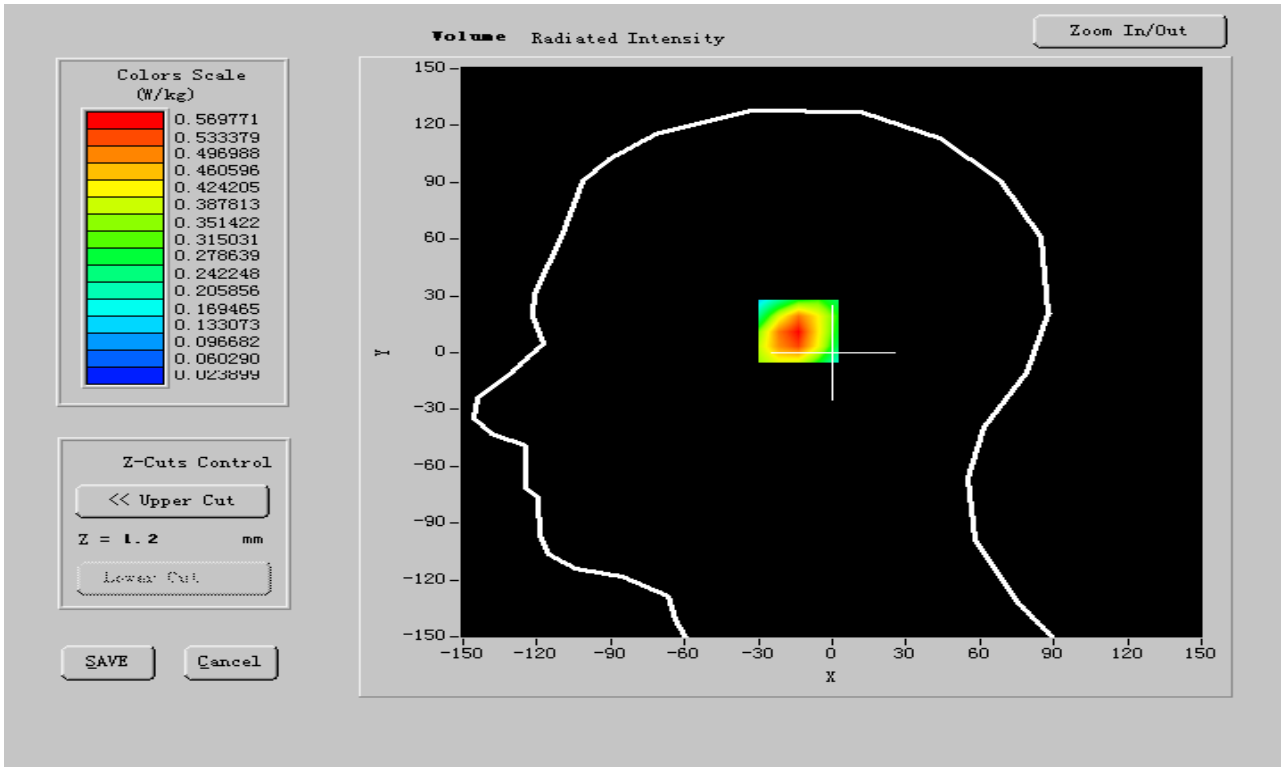
C. SAR Measurement Results

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:	**41.05, 42.35, 55.45**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

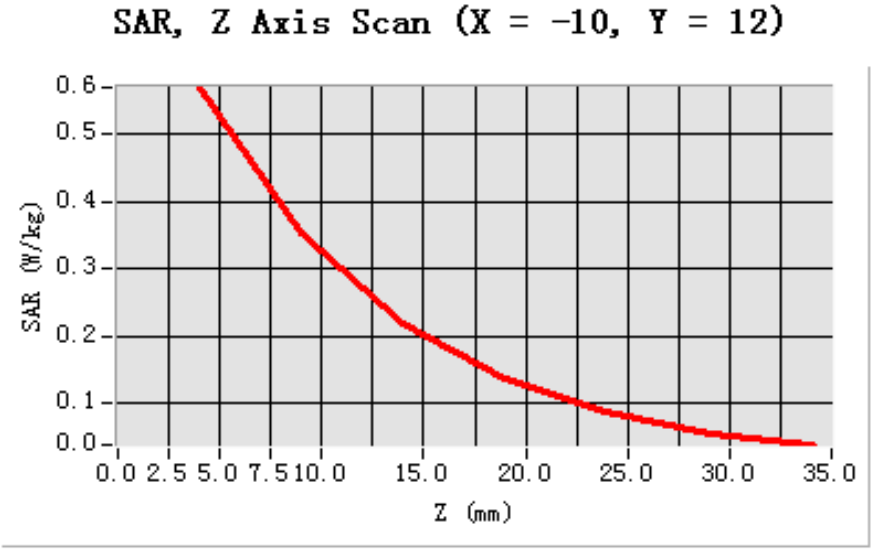


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.309541
SAR 1g (W/Kg)	0.505497

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



MEASUREMENT 3

Date of measurement: 15/11/2010

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

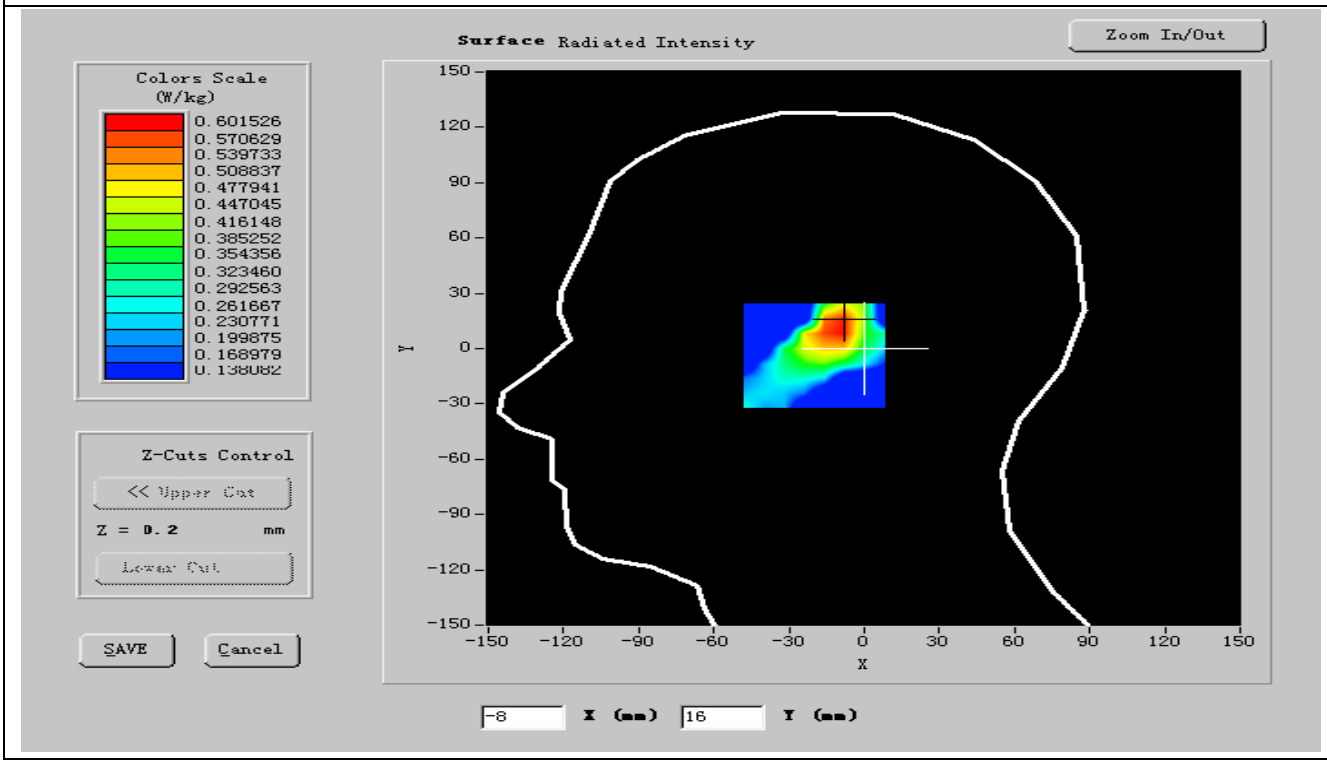
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

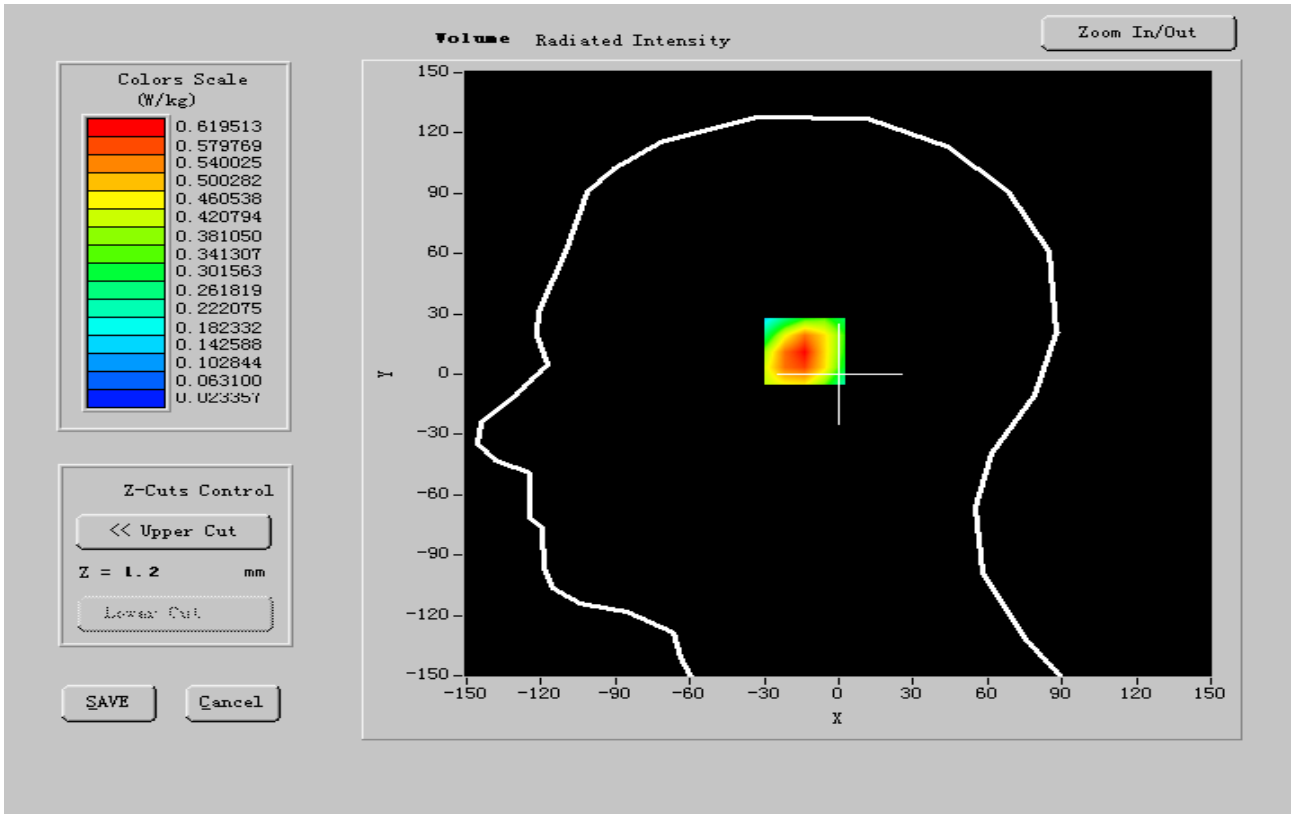
C. SAR Measurement Results

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:	41.05, 42.35, 55.45
Crest factor:	**1:8**

SURFACE SAR



VOLUME SAR

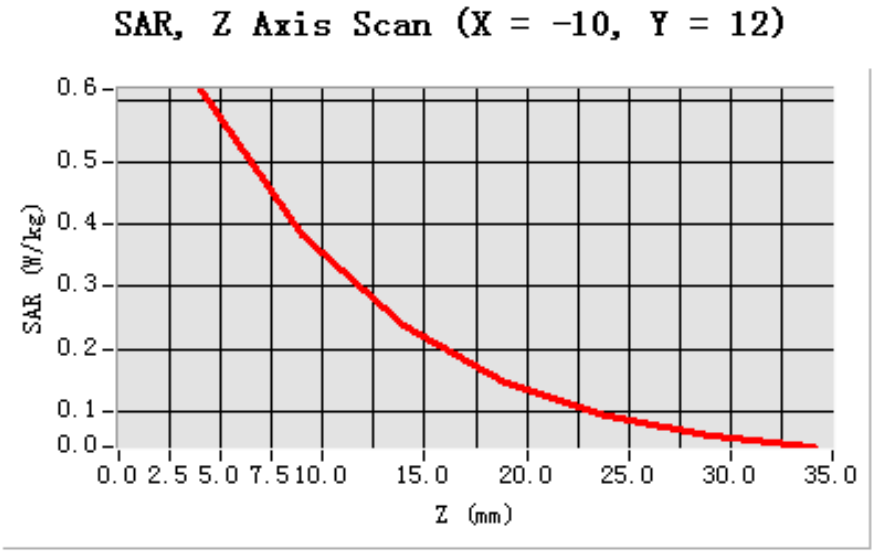


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.348952
SAR 1g (W/Kg)	0.578654

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



MEASUREMENT 4

Date of measurement: 15/11/2010

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

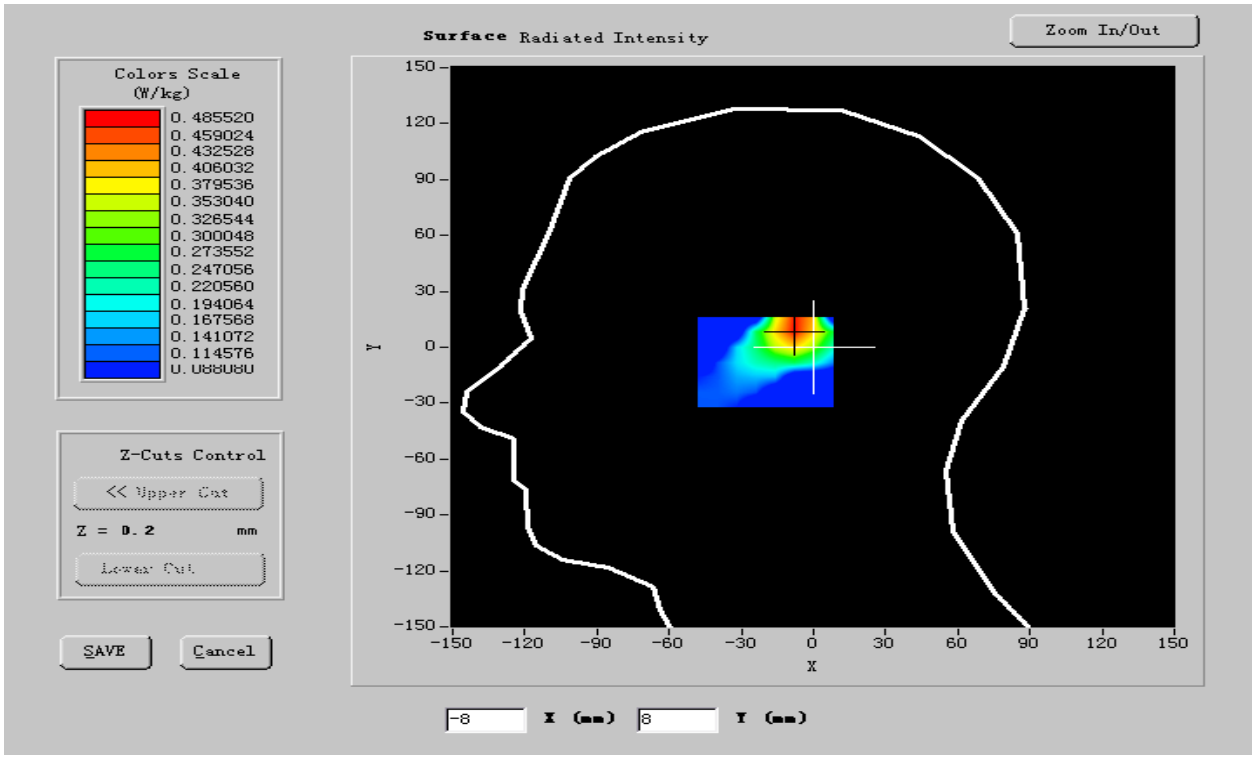
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

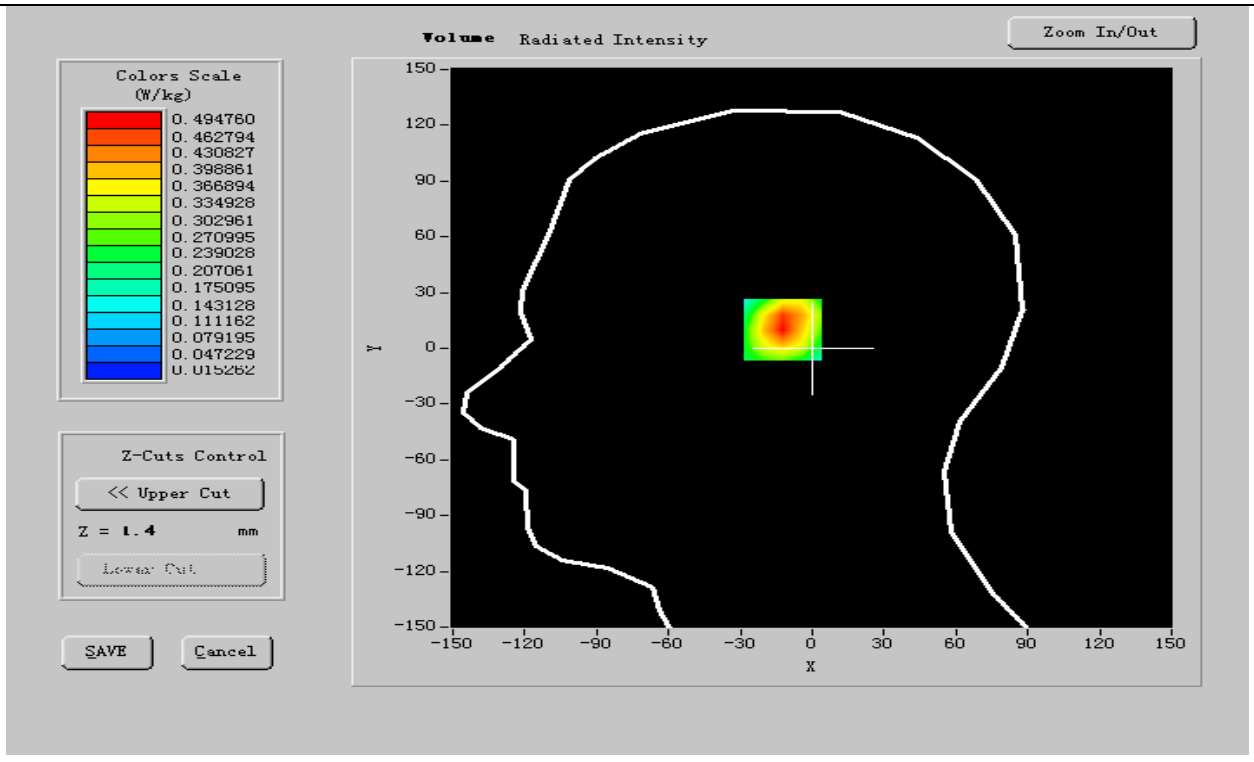
C. SAR Measurement Results

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:	**41.05, 42.35, 55.45**
Crest factor:	**1:8**

SURFACE SAR



VOLUME SAR

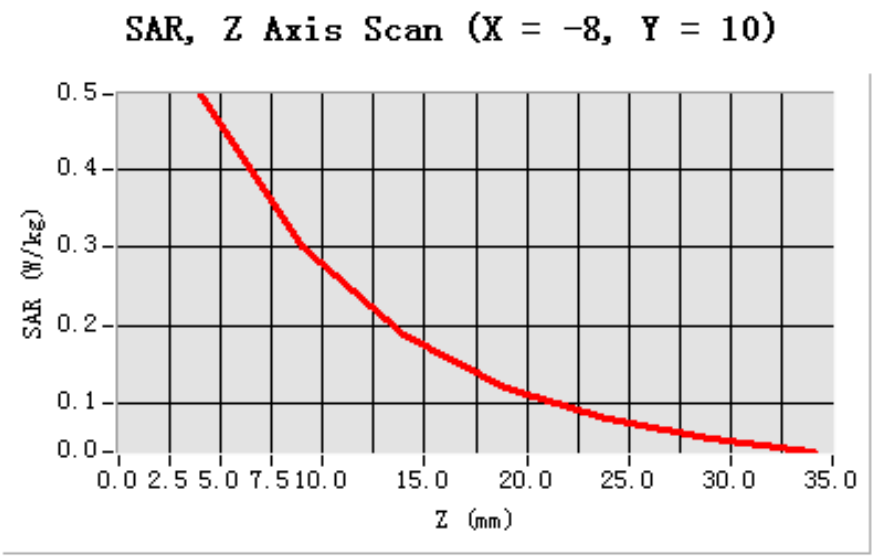


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.259871
SAR 1g (W/Kg)	0.446381

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



MEASUREMENT 5

Date of measurement: 15/11/2010

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

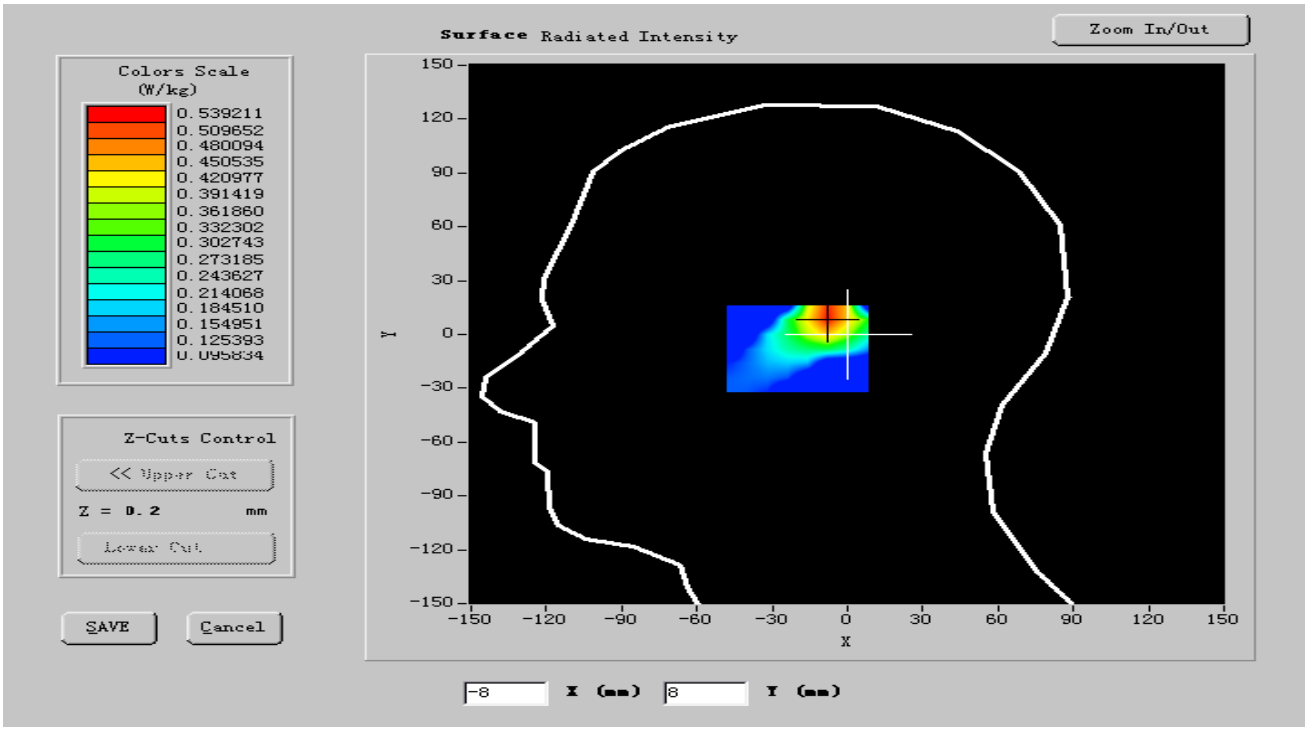
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

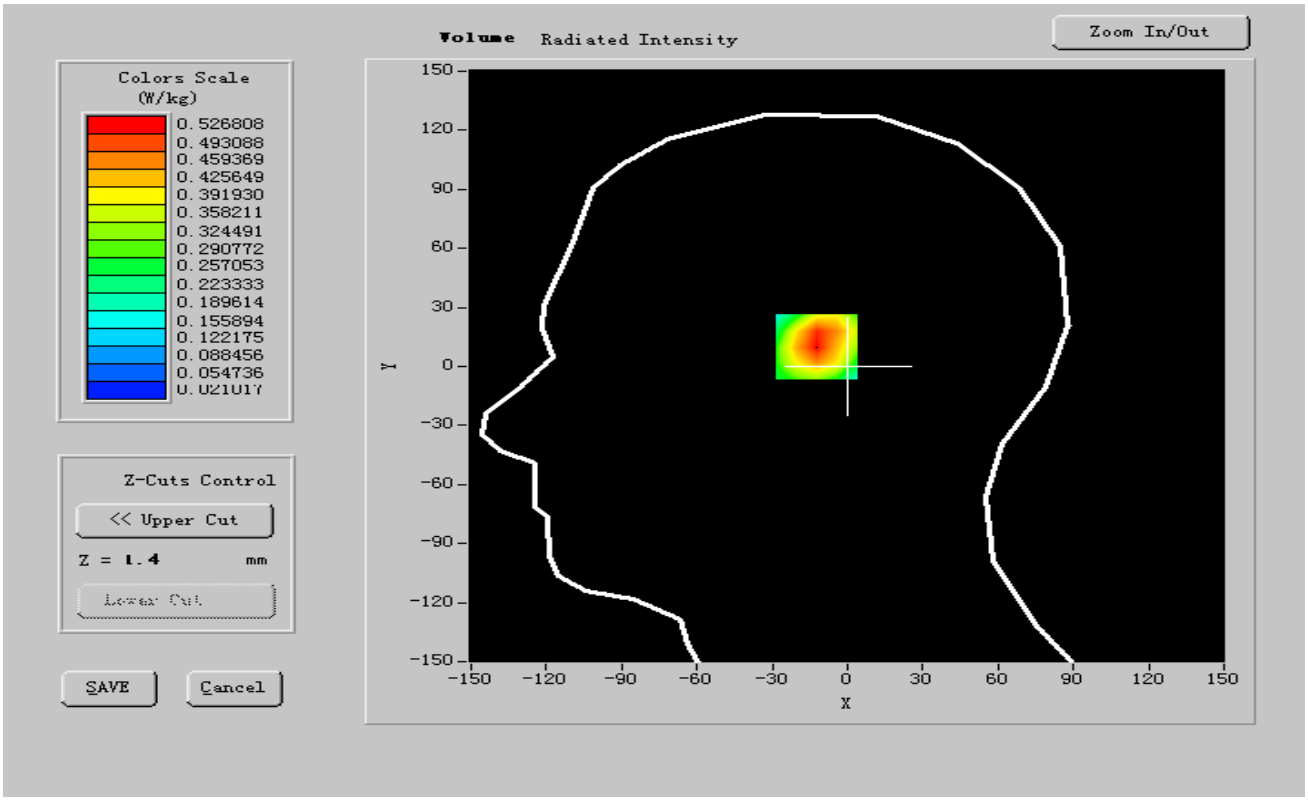
C. SAR Measurement Results

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:	**41.05, 42.35, 55.45**
Crest factor:	**1:8**

SURFACE SAR



VOLUME SAR

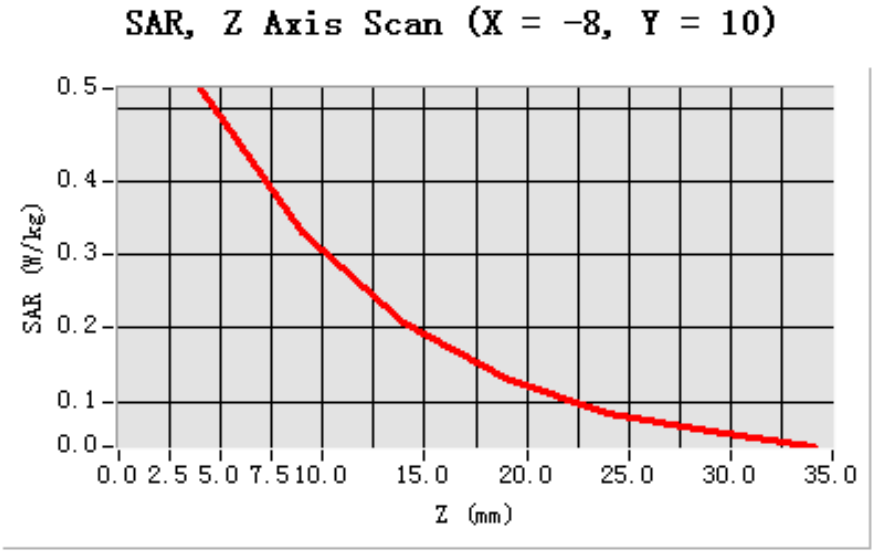


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.289652
SAR 1g (W/Kg)	0.471892

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



MEASUREMENT 6

Date of measurement: 15/11/2010

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

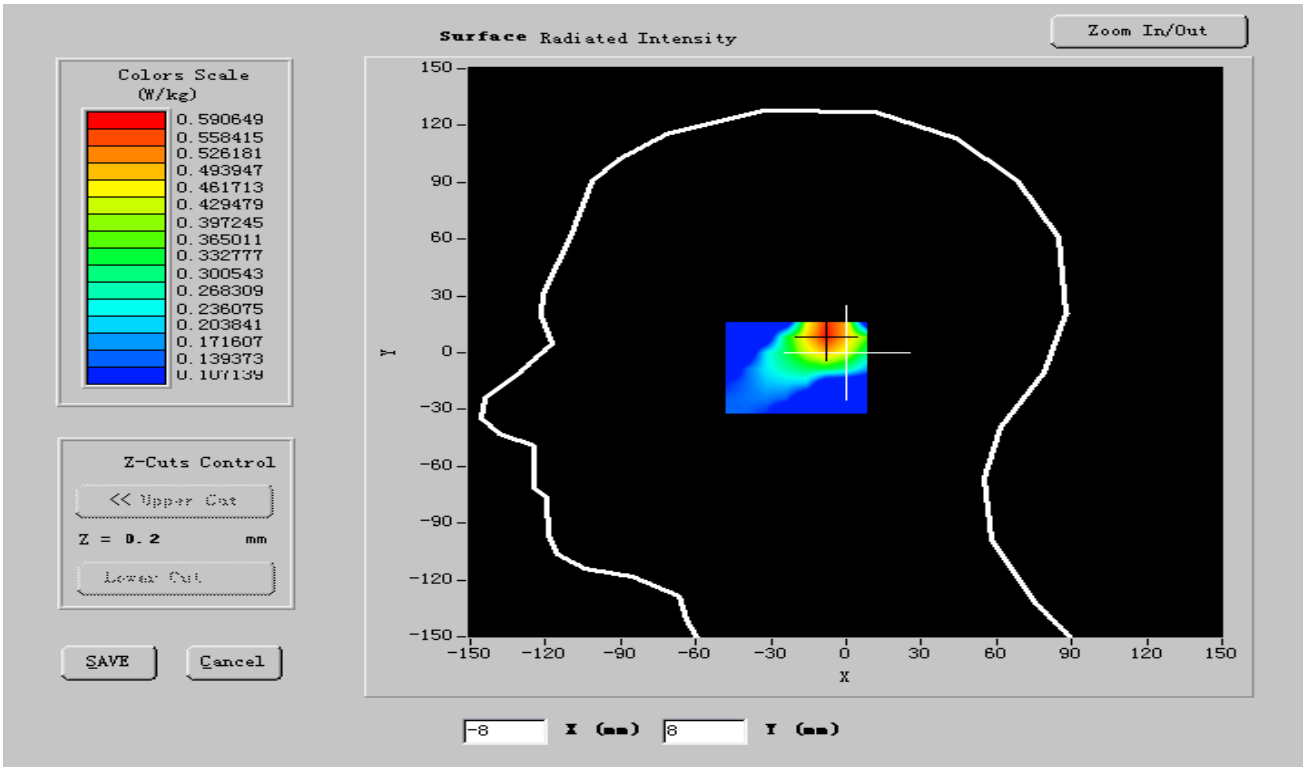
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

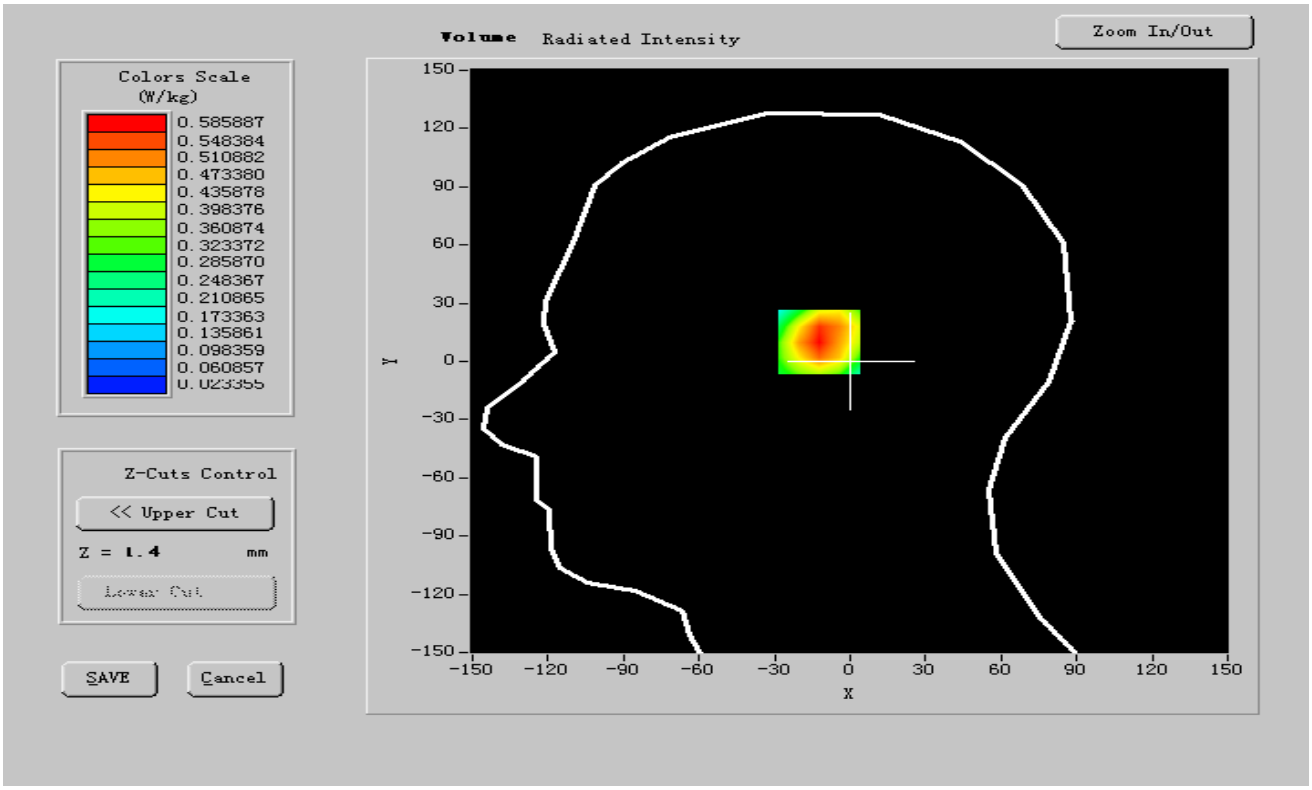
C. SAR Measurement Results

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:	**41.05, 42.35, 55.45**
Crest factor:	**1:8**

SURFACE SAR



VOLUME SAR

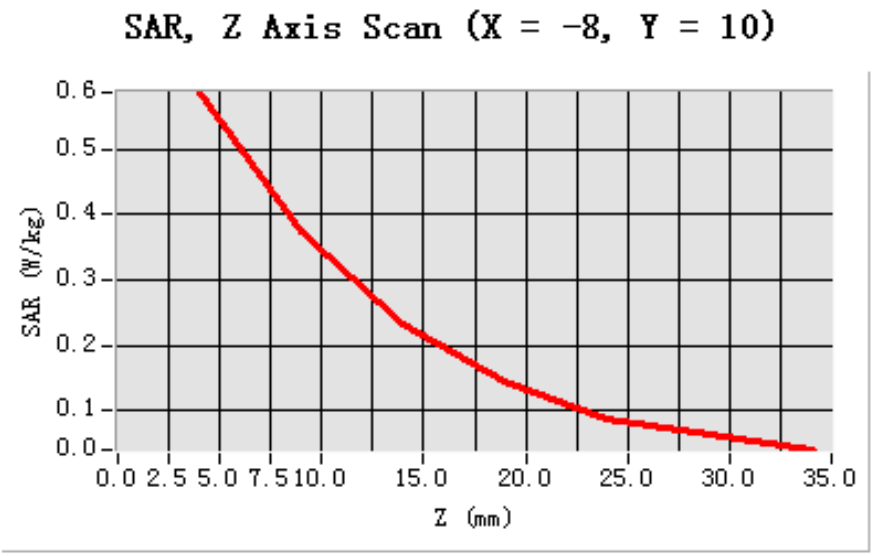


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.316982
SAR 1g (W/Kg)	0.545985

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



MEASUREMENT 7

Date of measurement: 15/11/2010

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

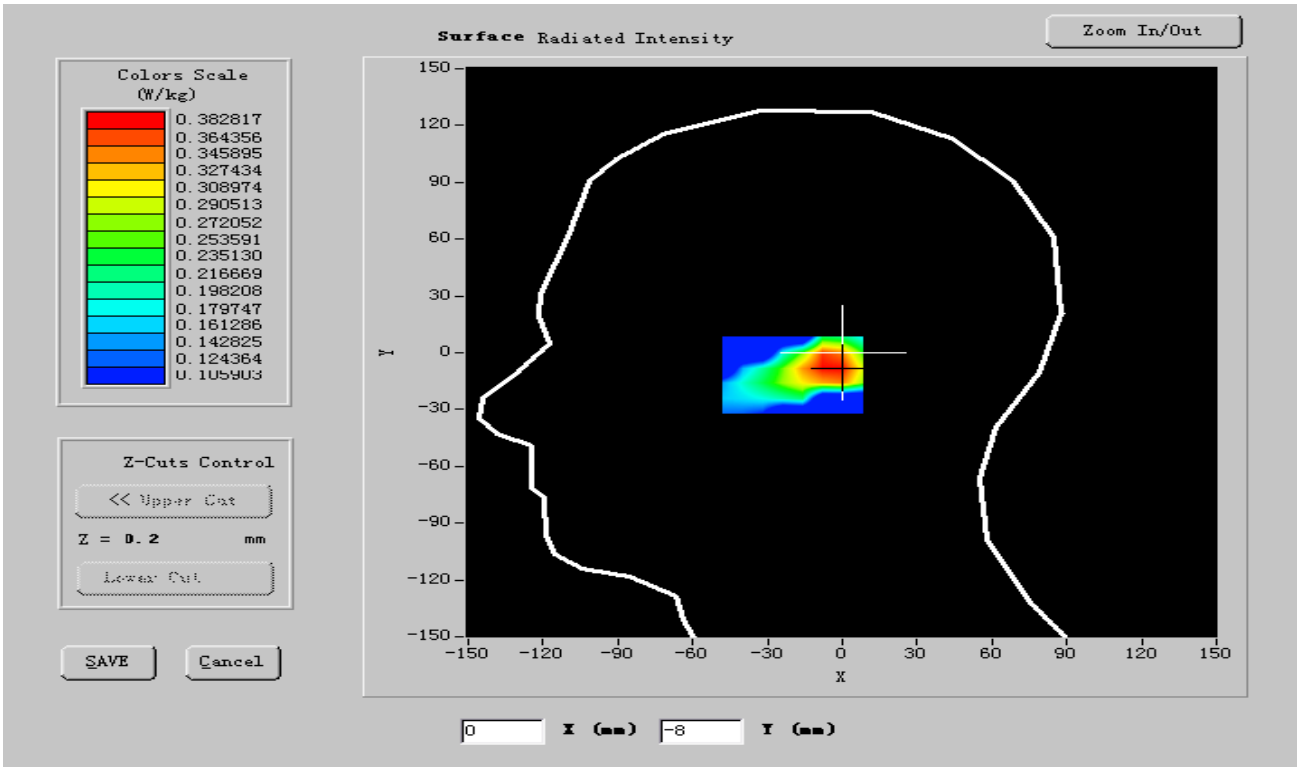
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

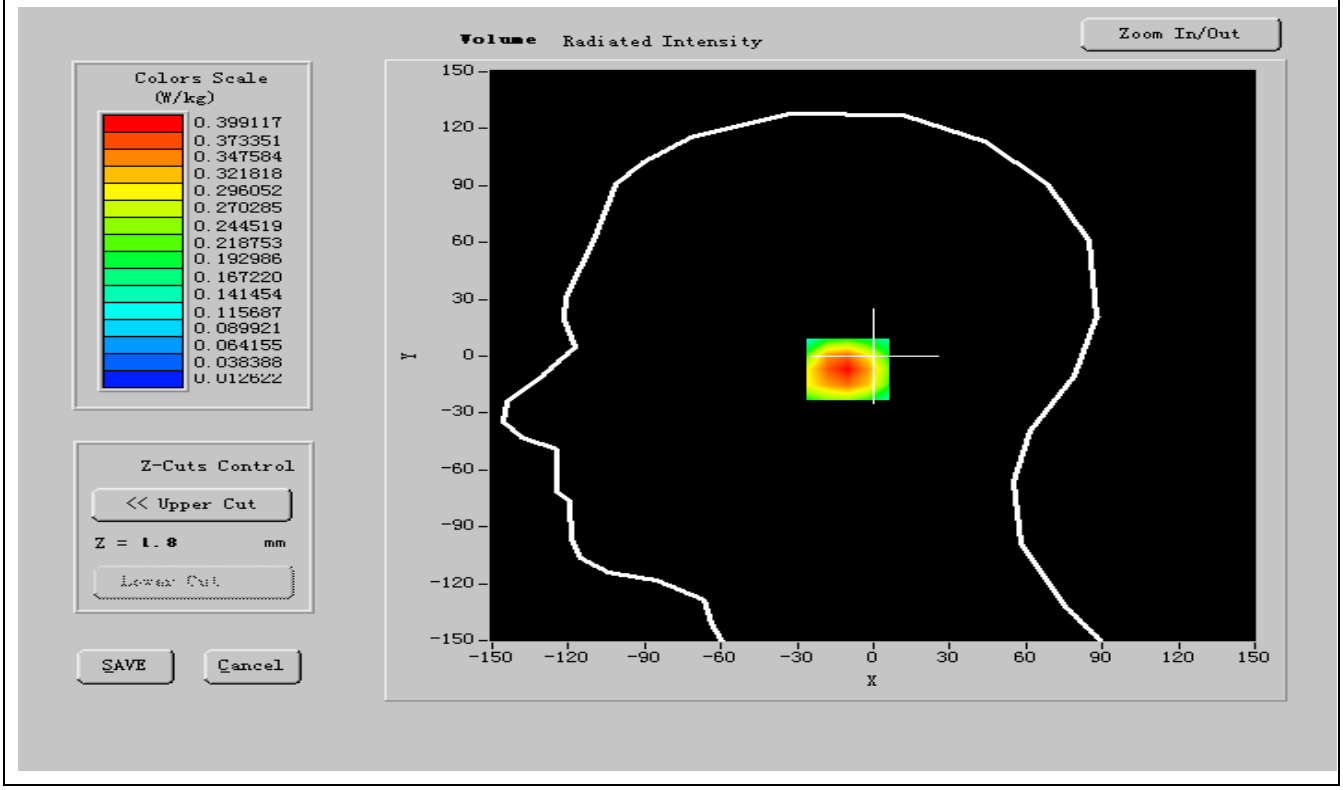
C. SAR Measurement Results

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:	**41.05, 42.35, 55.45**
Crest factor:	**1:8**

SURFACE SAR



VOLUME SAR

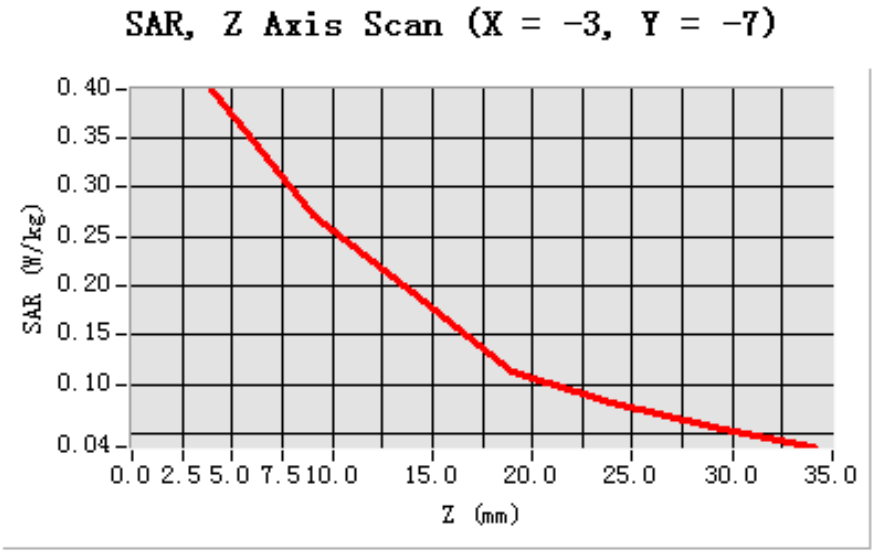


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.229650
SAR 1g (W/Kg)	0.351058

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



MEASUREMENT 8

Date of measurement: 15/11/2010

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

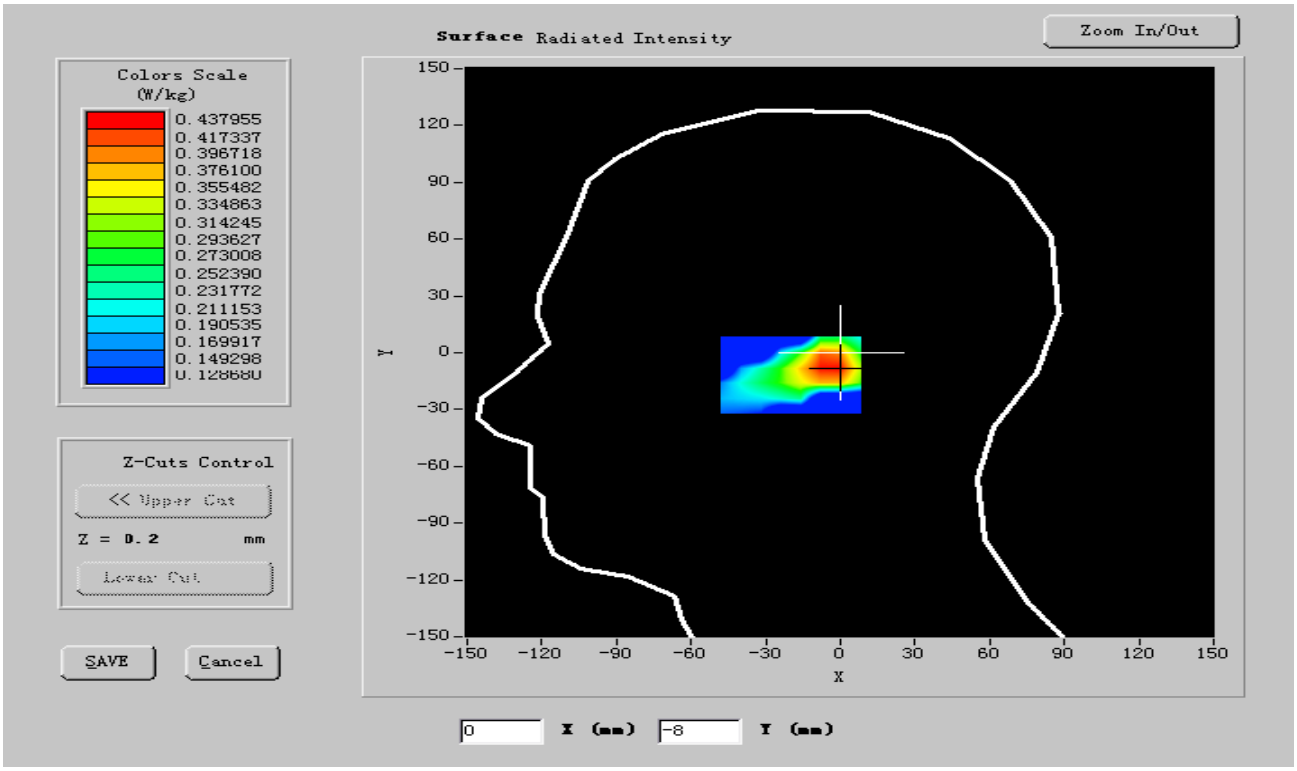
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

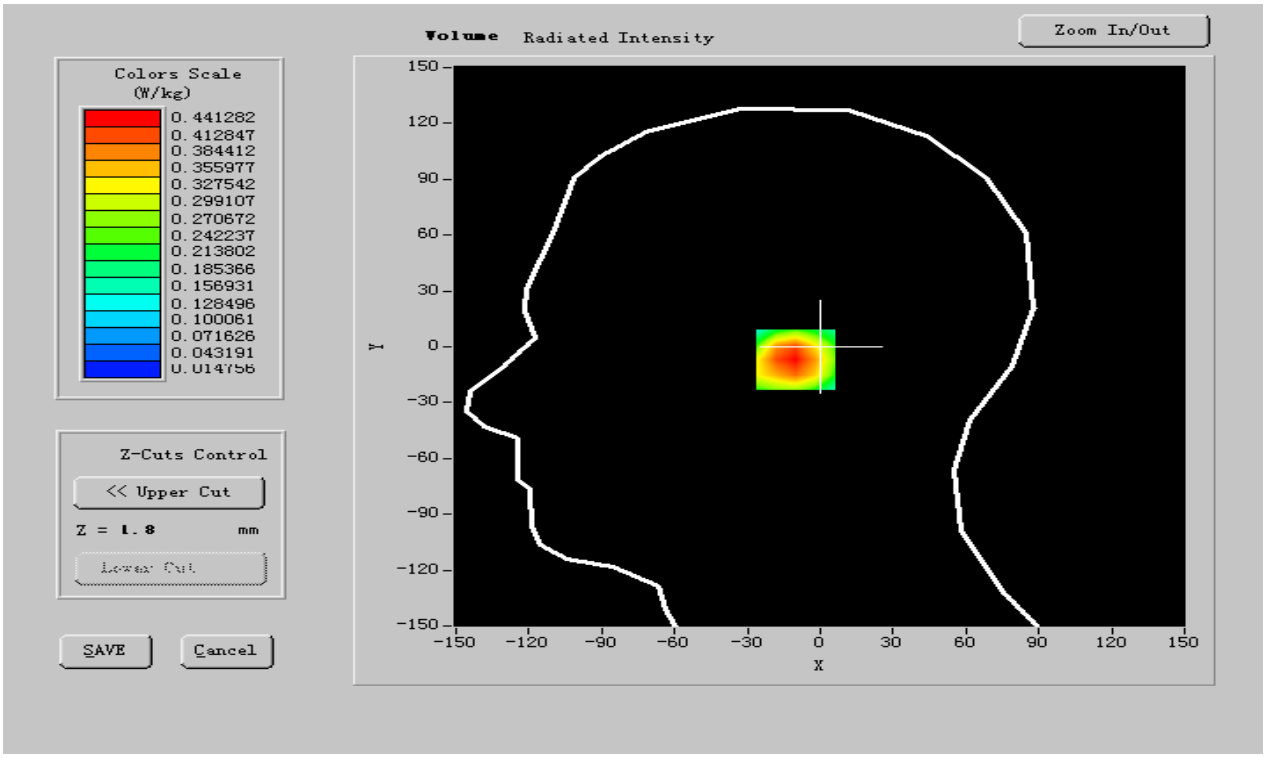
C. SAR Measurement Results

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:	**41.05, 42.35, 55.45**
Crest factor:	**1:8**

SURFACE SAR



VOLUME SAR

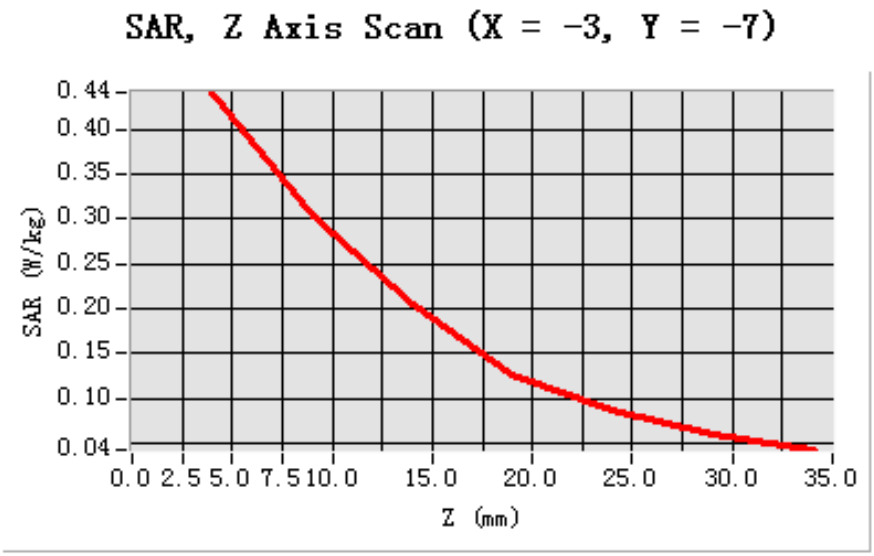


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.262184
SAR 1g (W/Kg)	0.443335

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



MEASUREMENT 9

Date of measurement: 15/11/2010

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

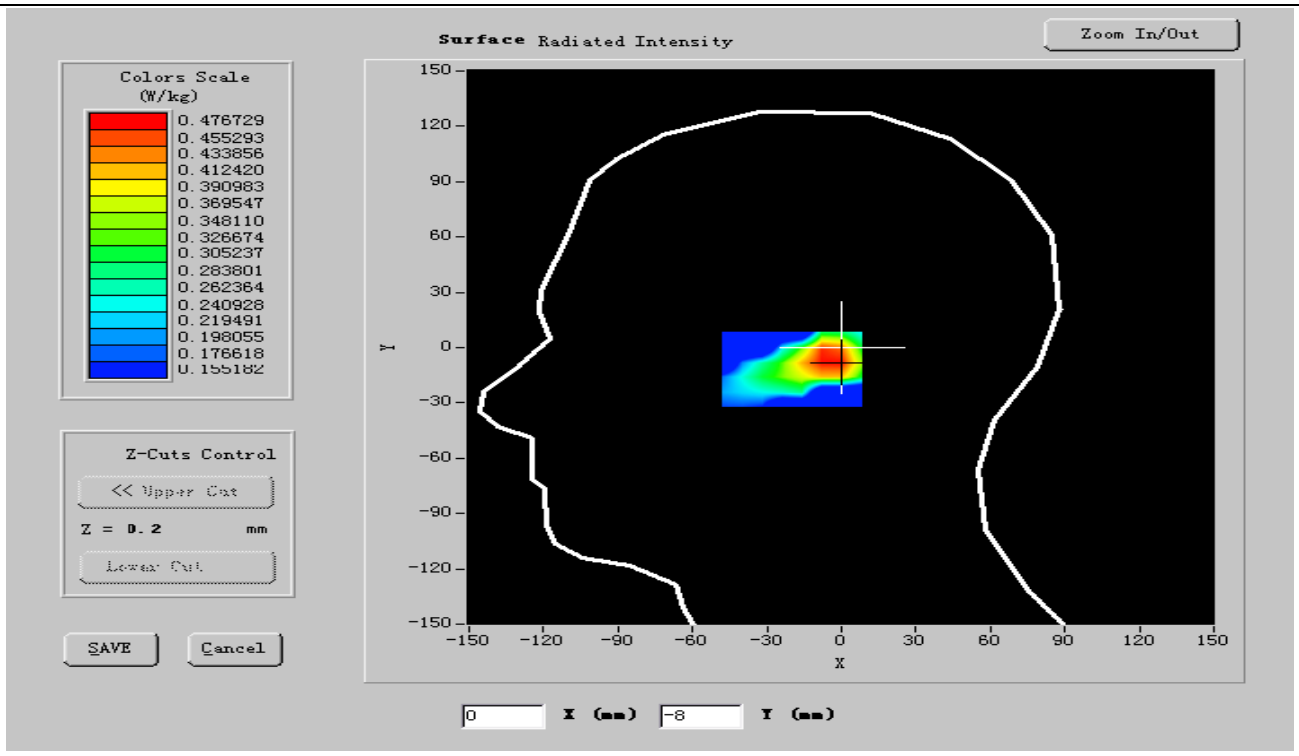
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

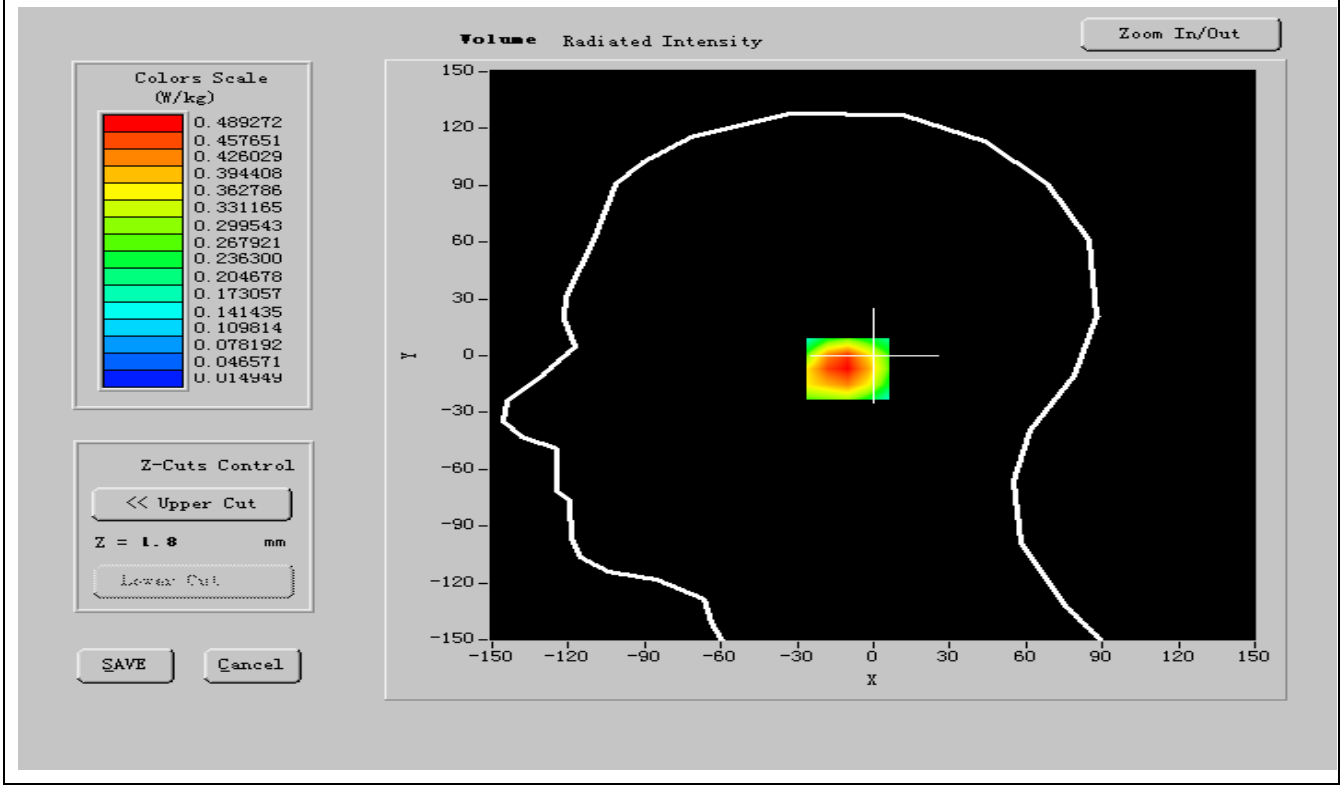
C. SAR Measurement Results

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:	**41.05, 42.35, 55.45**
Crest factor:	**1:8**

SURFACE SAR



VOLUME SAR

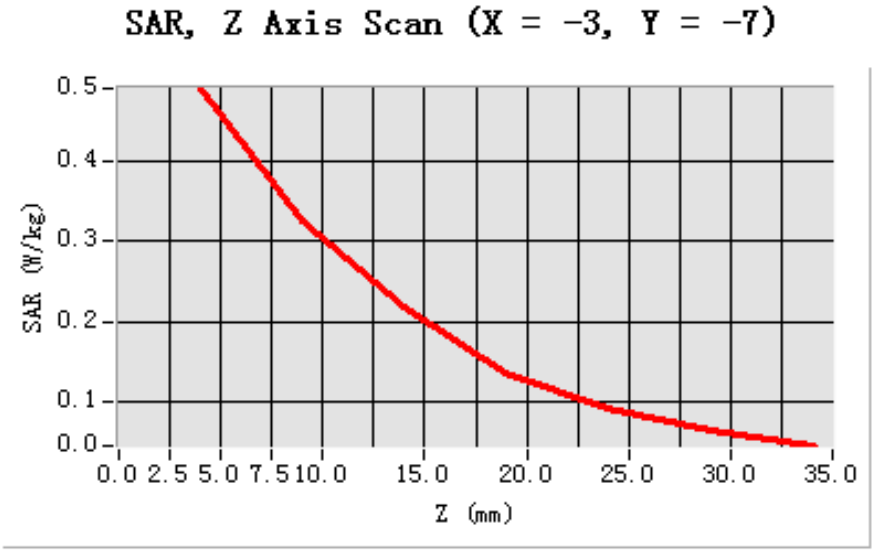


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.291874
SAR 1g (W/Kg)	0.429005

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



MEASUREMENT 10

Date of measurement: 15/11/2010

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

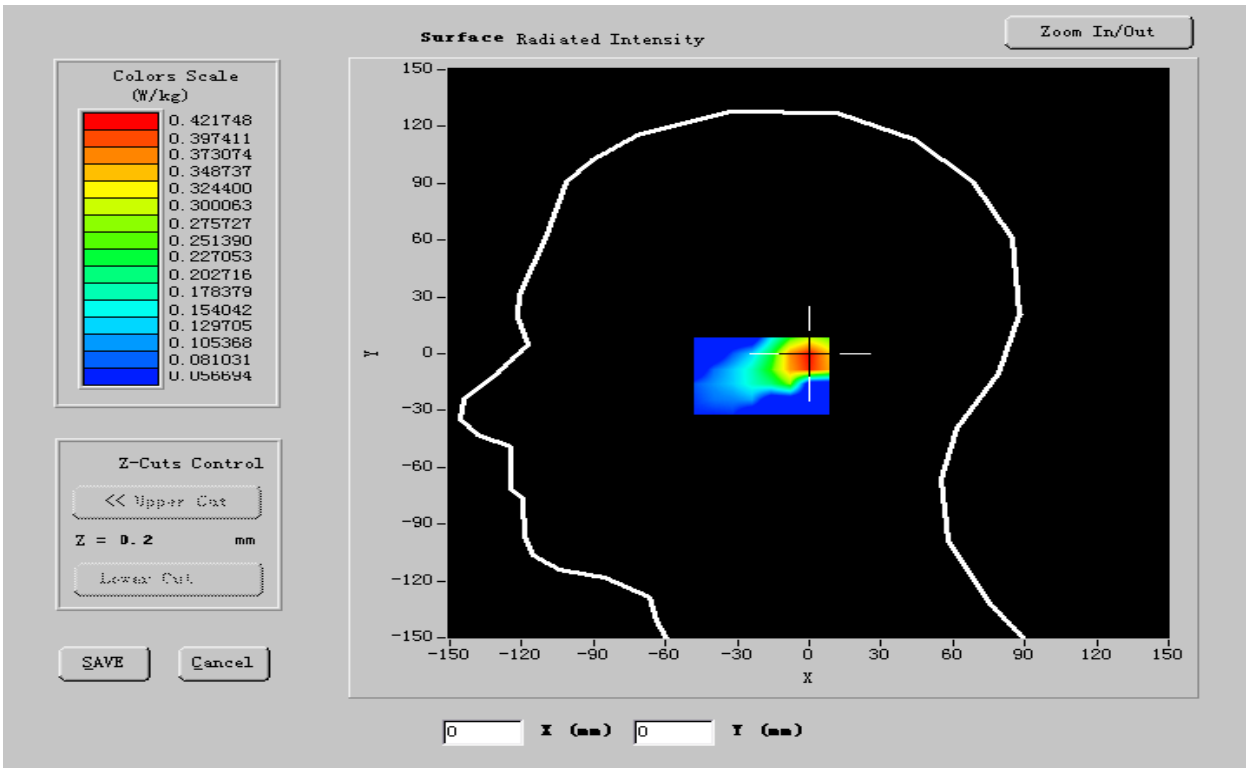
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

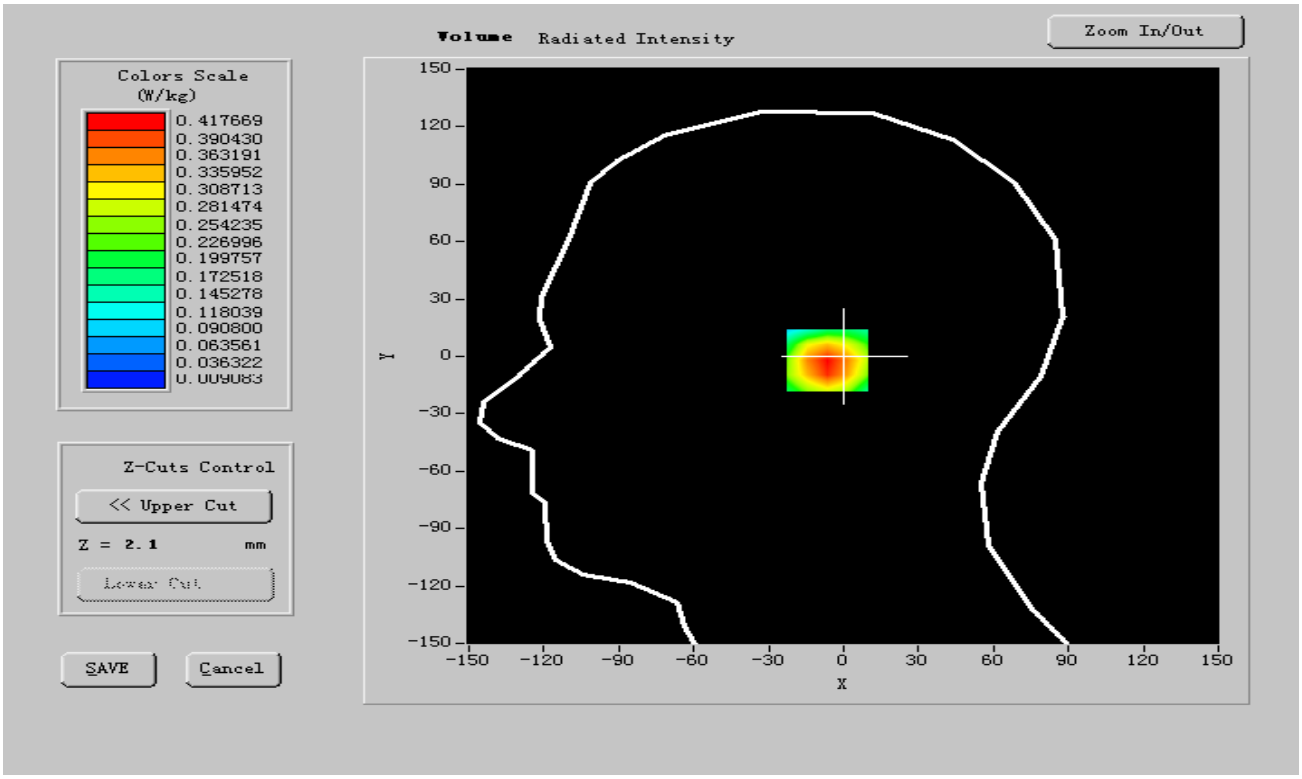
C. SAR Measurement Results

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:	**41.05, 42.35, 55.45**
Crest factor:	**1:8**

SURFACE SAR



VOLUME SAR

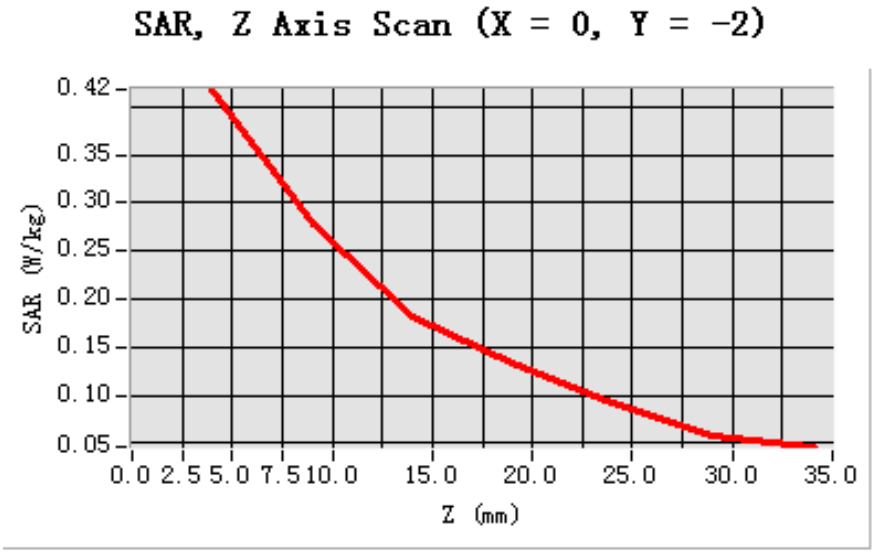


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.256978
SAR 1g (W/Kg)	0.433289

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



MEASUREMENT 11

Date of measurement: 15/11/2010

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

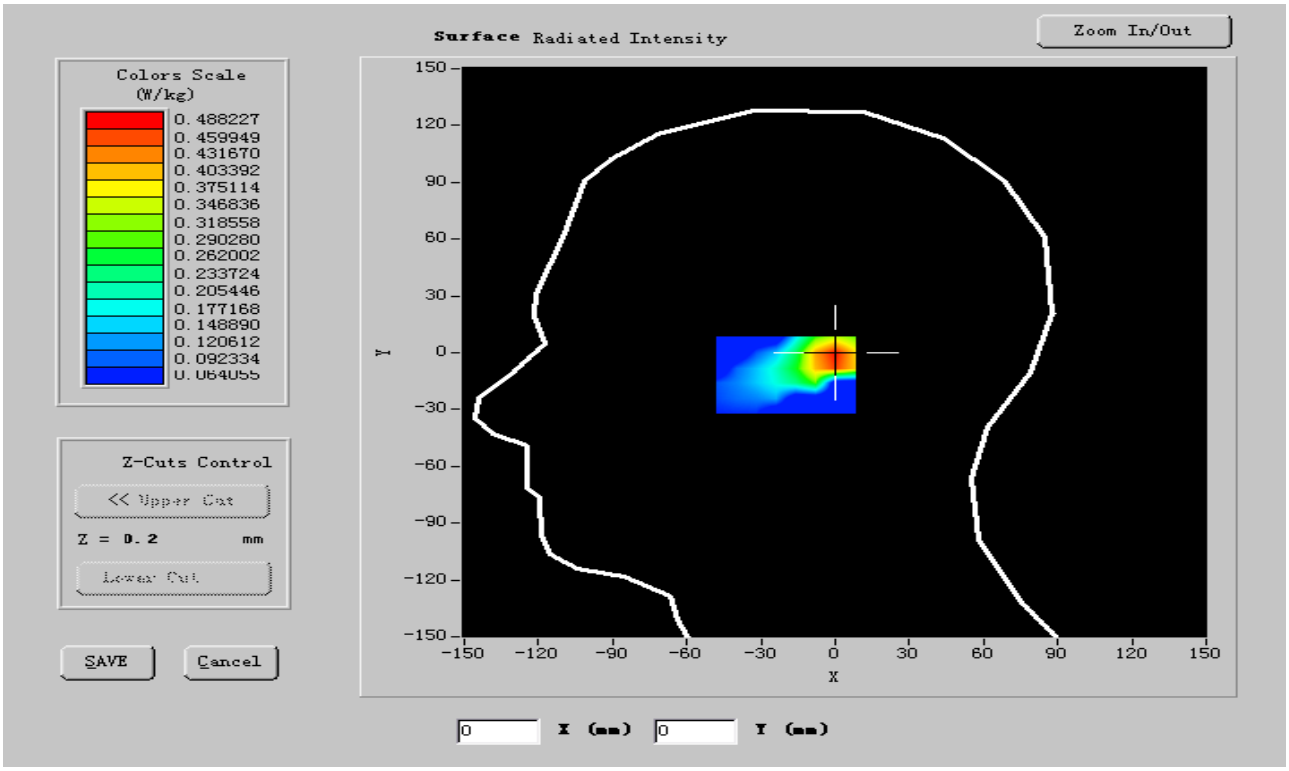
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

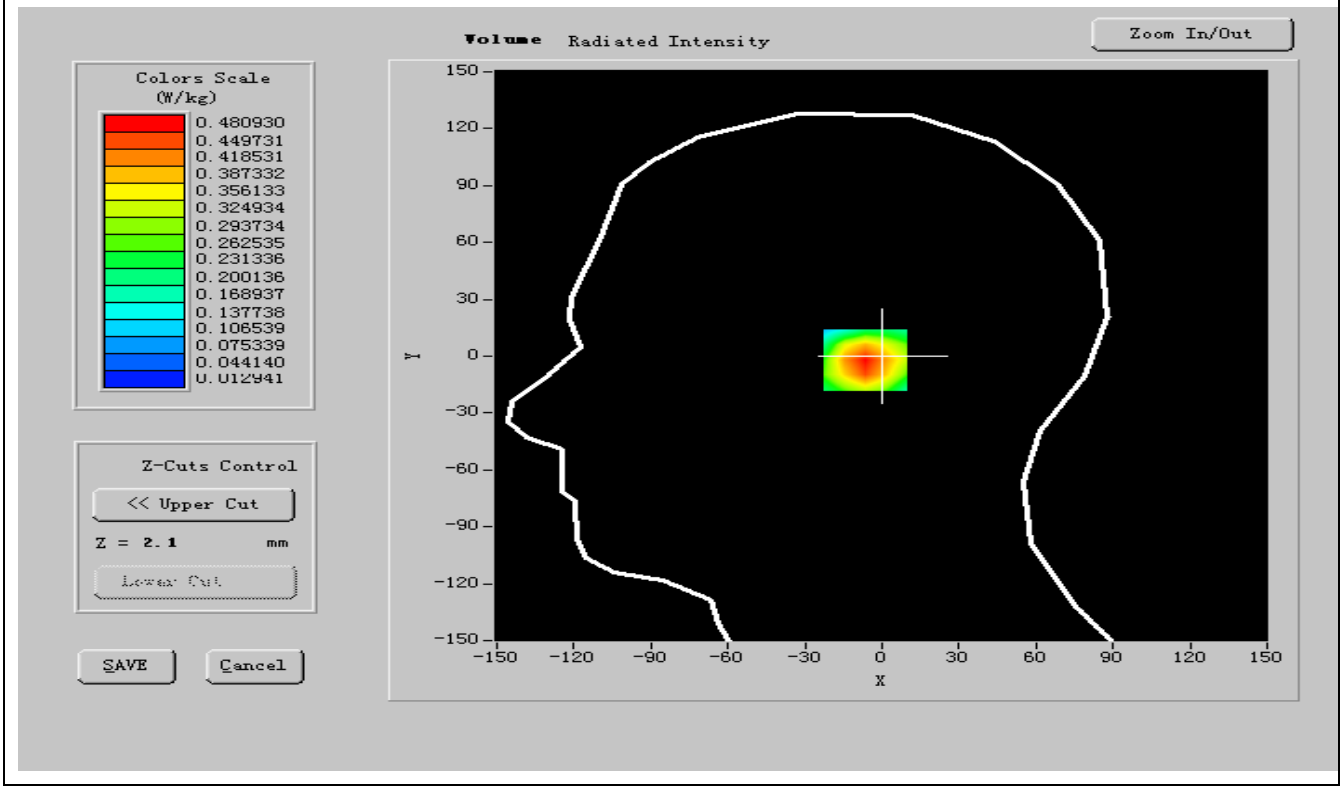
C. SAR Measurement Results

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:	**41.05, 42.35, 55.45**
Crest factor:	**1:8**

SURFACE SAR



VOLUME SAR

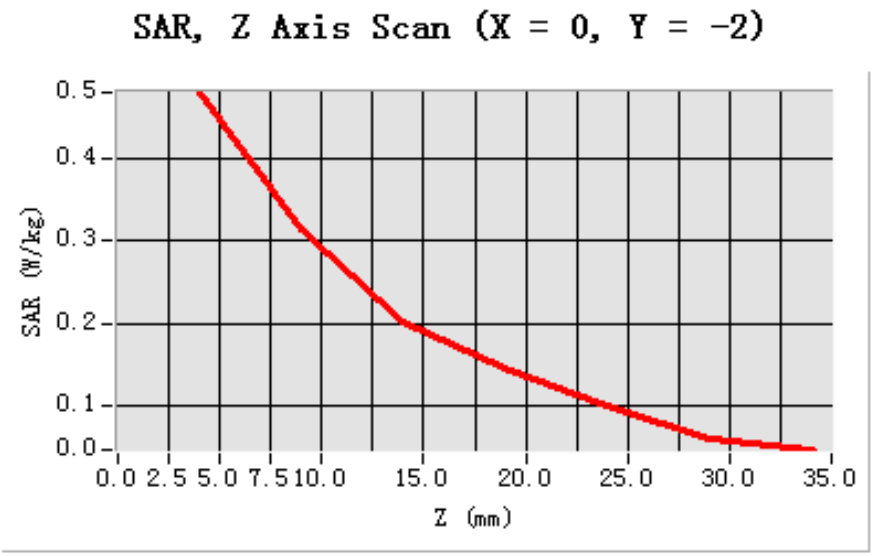


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.256123
SAR 1g (W/Kg)	0.436892

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



MEASUREMENT 12

Date of measurement: 15/11/2010

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

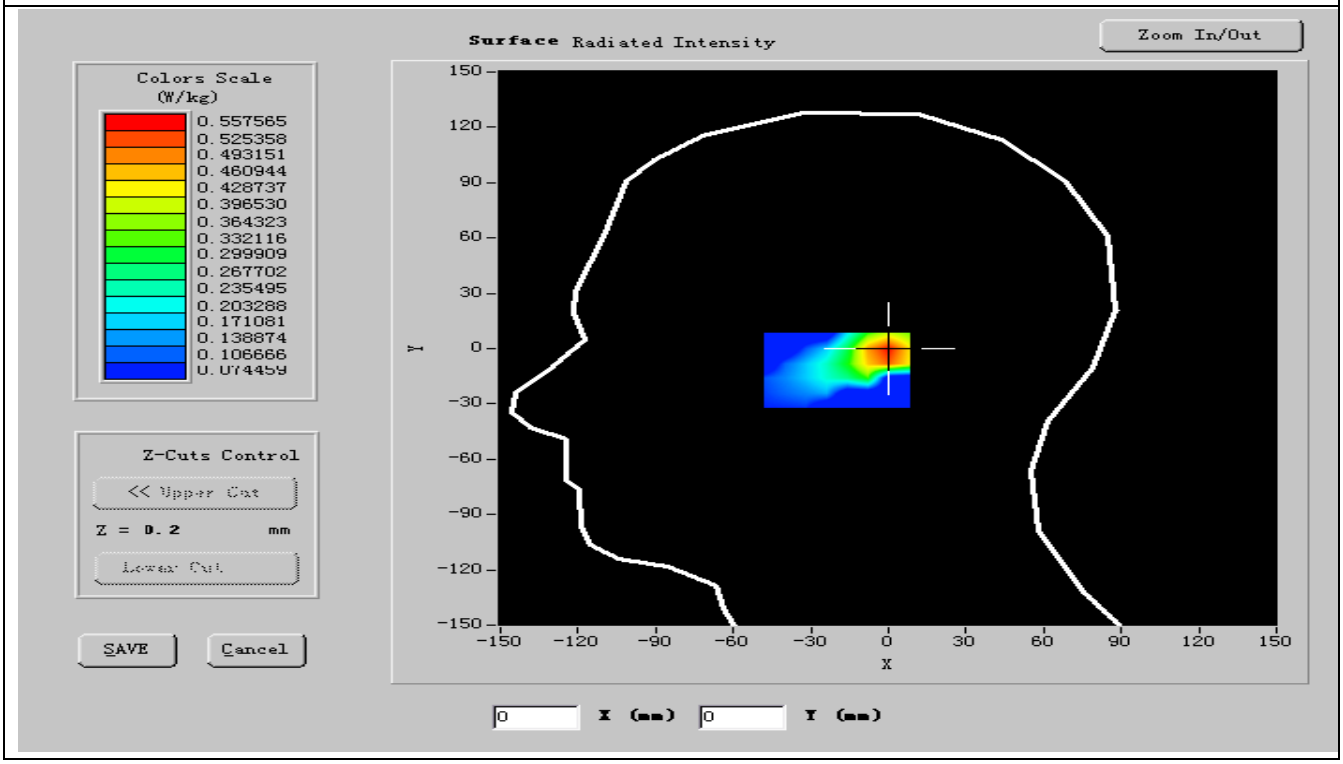
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

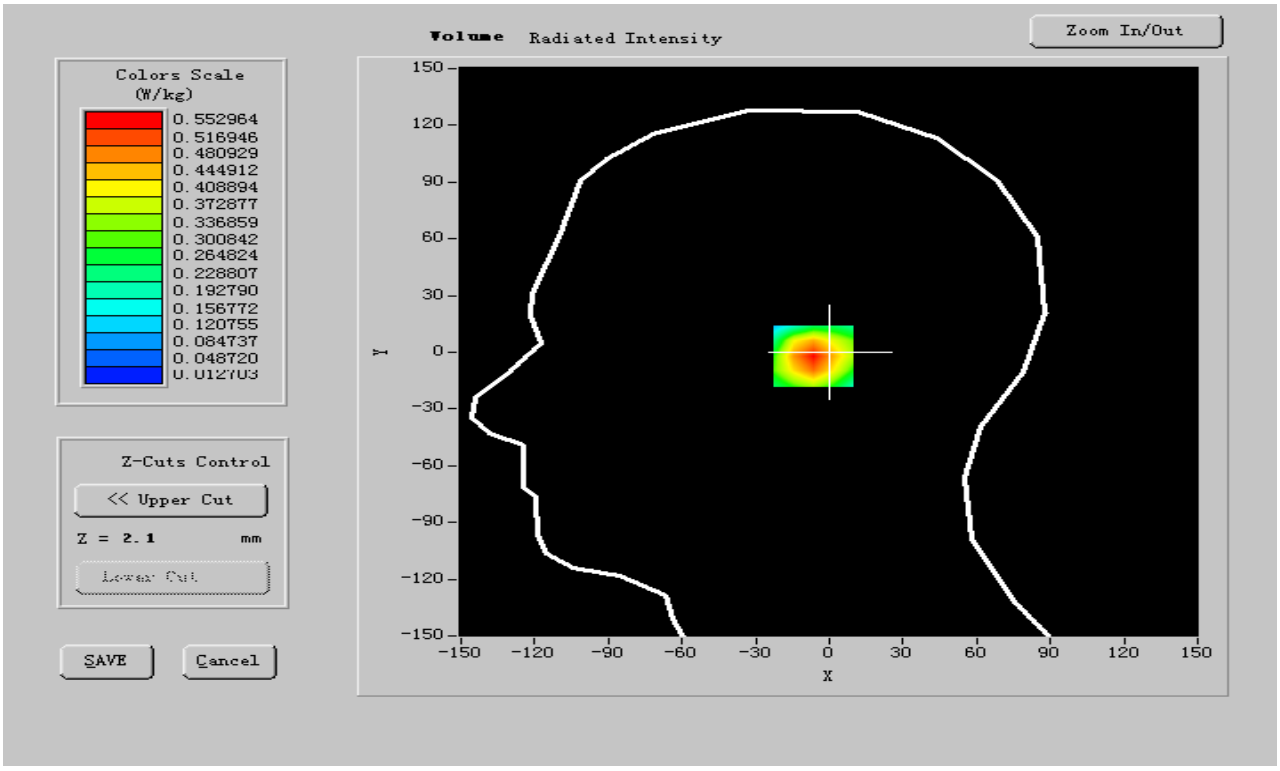
C. SAR Measurement Results

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:	**41.05, 42.35, 55.45**
Crest factor：	**1:8**

SURFACE SAR



VOLUME SAR

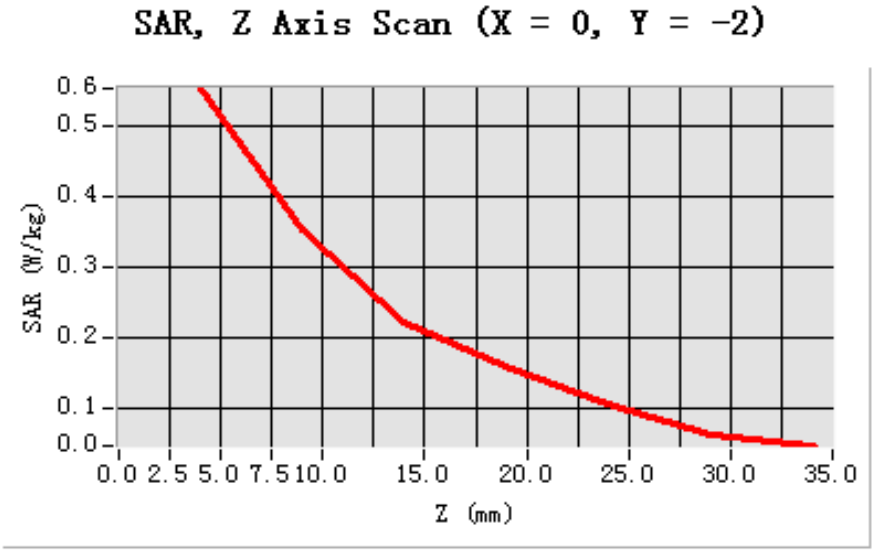


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.365651
SAR 1g (W/Kg)	0.457752

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



MEASUREMENT 13

Date of measurement: 15/11/2010

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

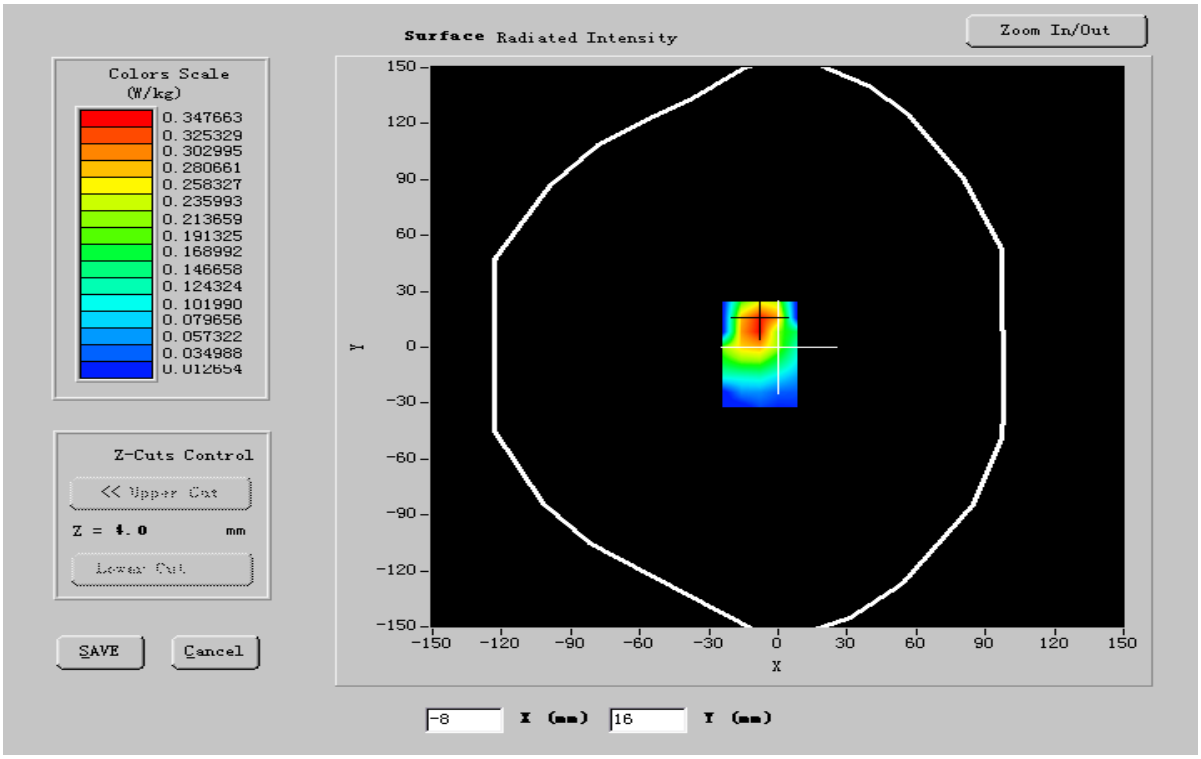
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

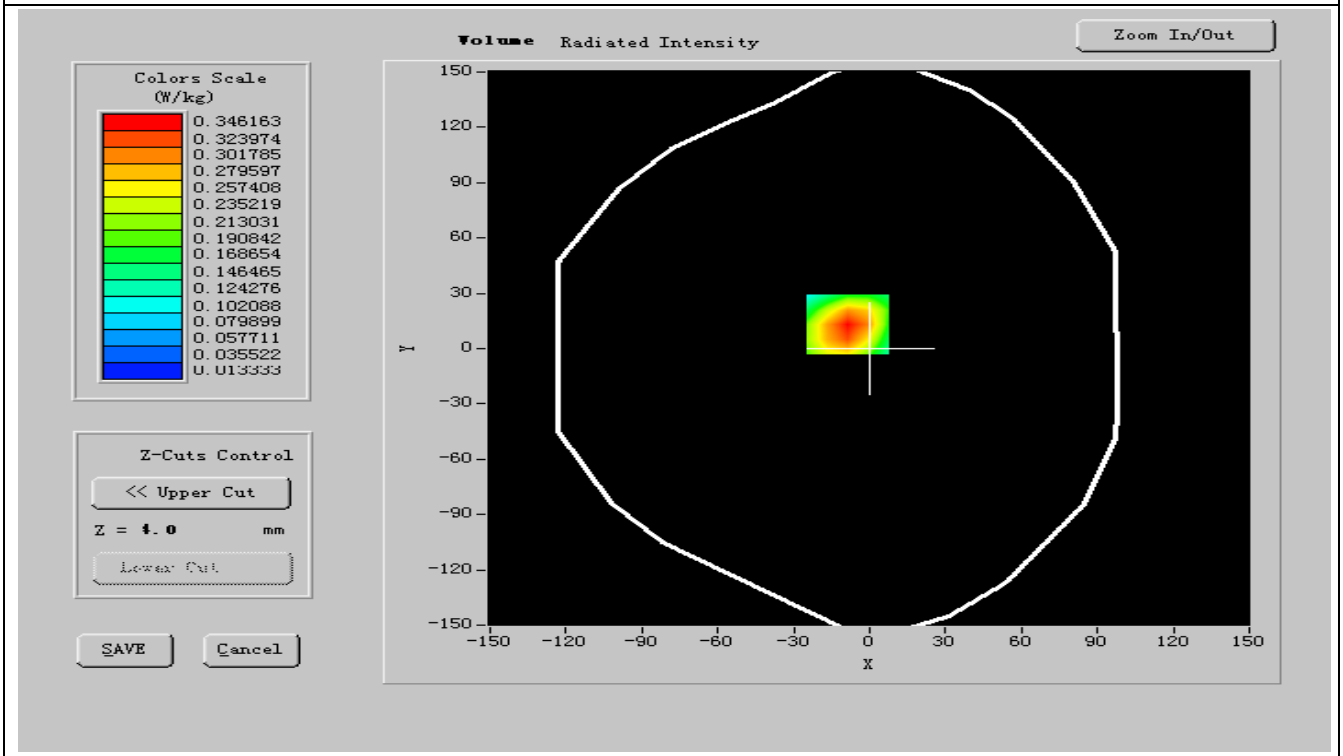
C. SAR Measurement Results

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:	**40.42, 41.12, 54.75**
Crest factor:	**1:8**

SURFACE SAR



VOLUME SAR

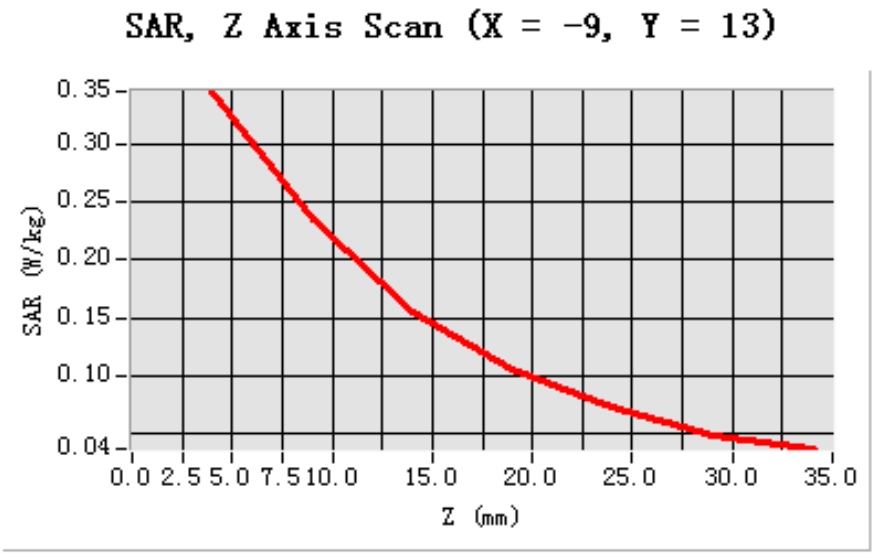


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.200652
SAR 1g (W/Kg)	0.353356

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



MEASUREMENT 14

Date of measurement: 15/11/2010

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.

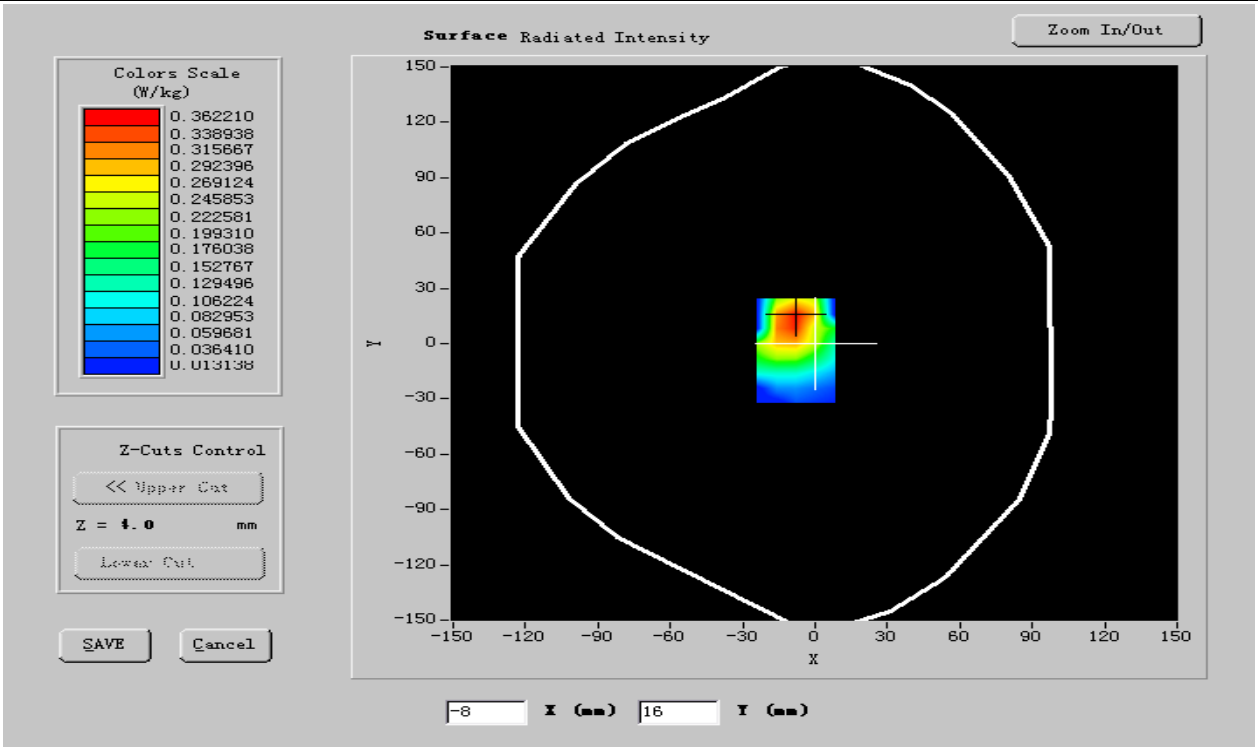
PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

C. SAR Measurement Results

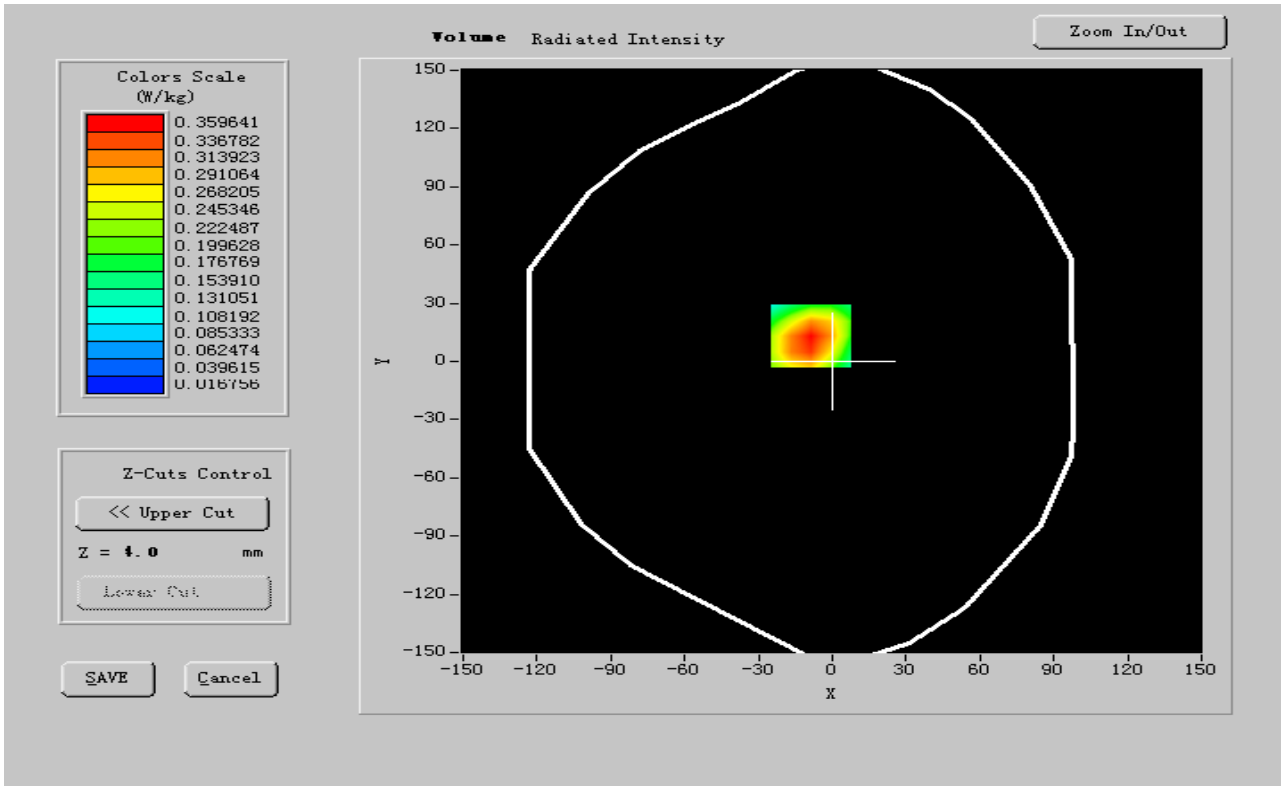
Frequency (MHz)	**1880.000000**
Relative permitivity (real part)	**52.893001**
Relative permitivity (imaginary part)	**13.813800**
Conductivity (S/m)	**1.512775**
Variation (%)	**-0.700000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**40.42, 41.12, 54.75**

Crest factor:	1:8

SURFACE SAR



VOLUME SAR

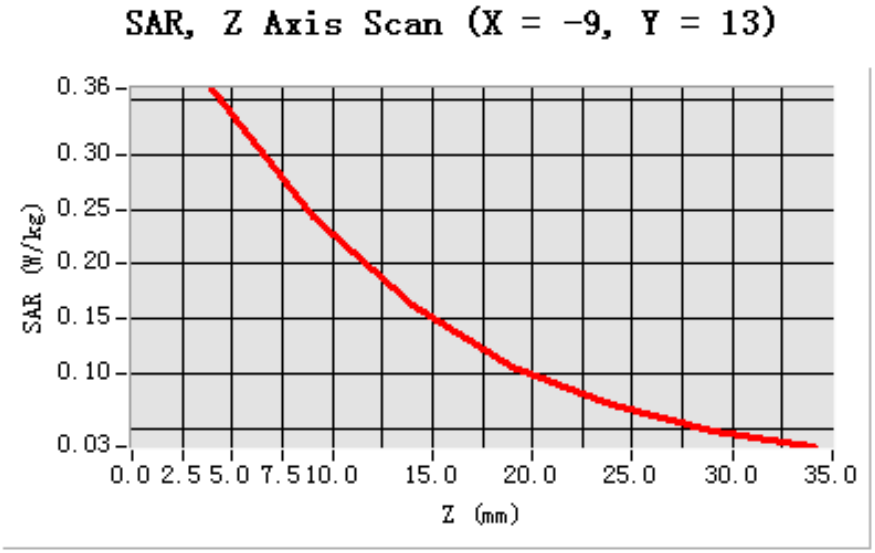


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.203691
SAR 1g (W/Kg)	0.325239

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



MEASUREMENT 15

Date of measurement: 24/9/2010

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

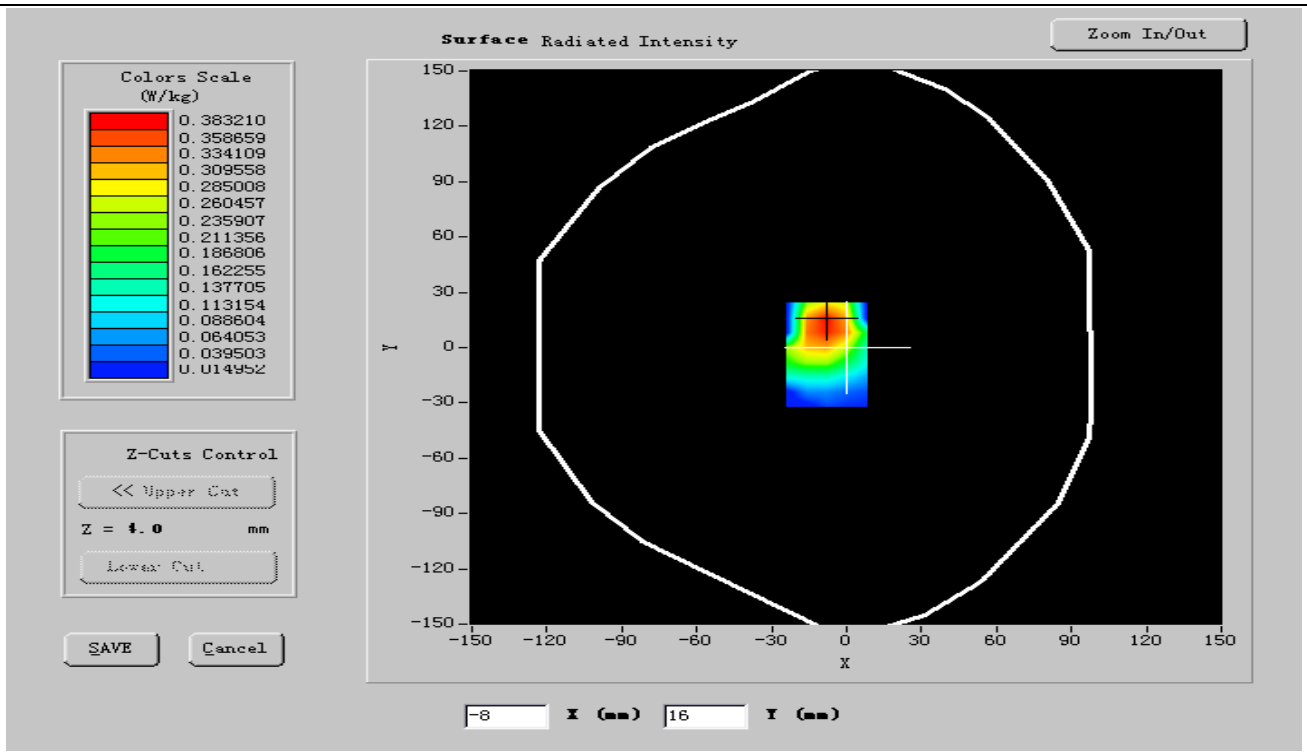
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

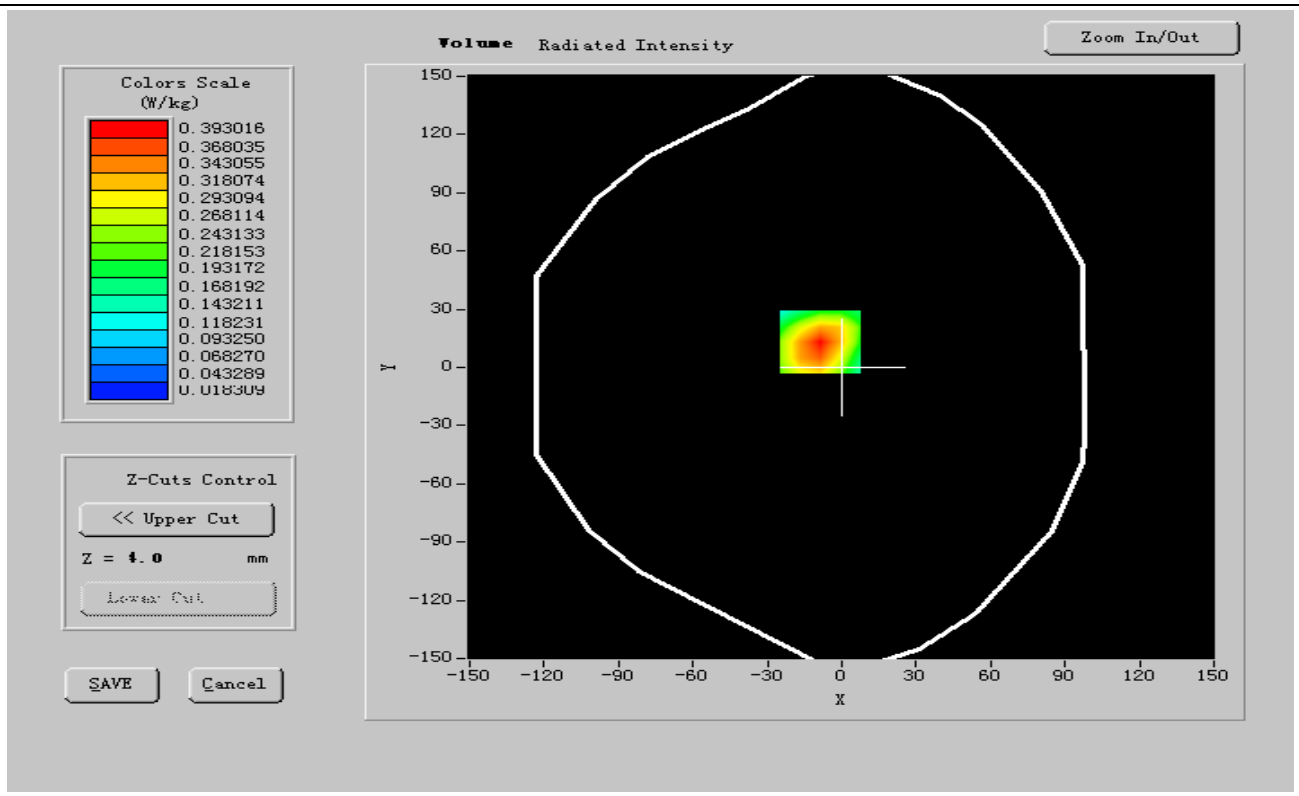
C. SAR Measurement Results

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:	**40.42, 41.12, 54.75**
Crest factor:	**1:8**

SURFACE SAR



VOLUME SAR

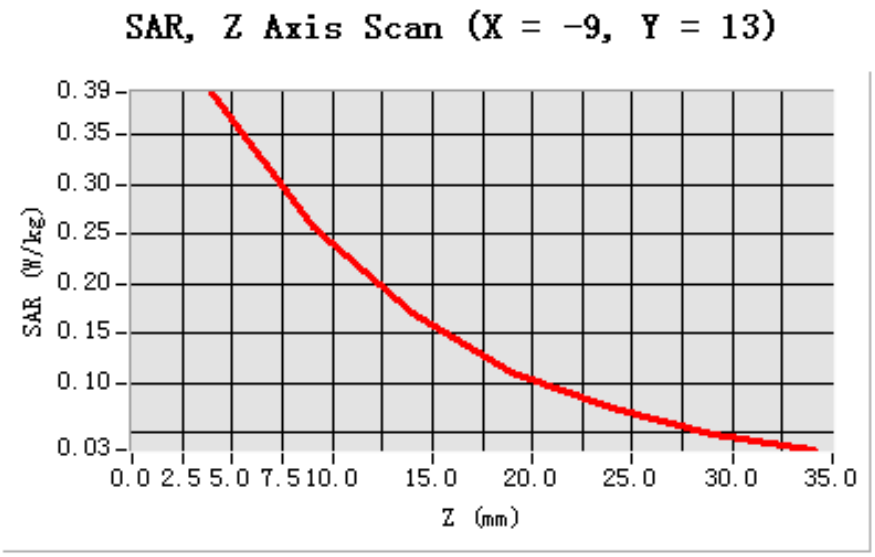


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.245223
SAR 1g (W/Kg)	0.337196

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



MEASUREMENT 16

Date of measurement: 15/11/2010

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

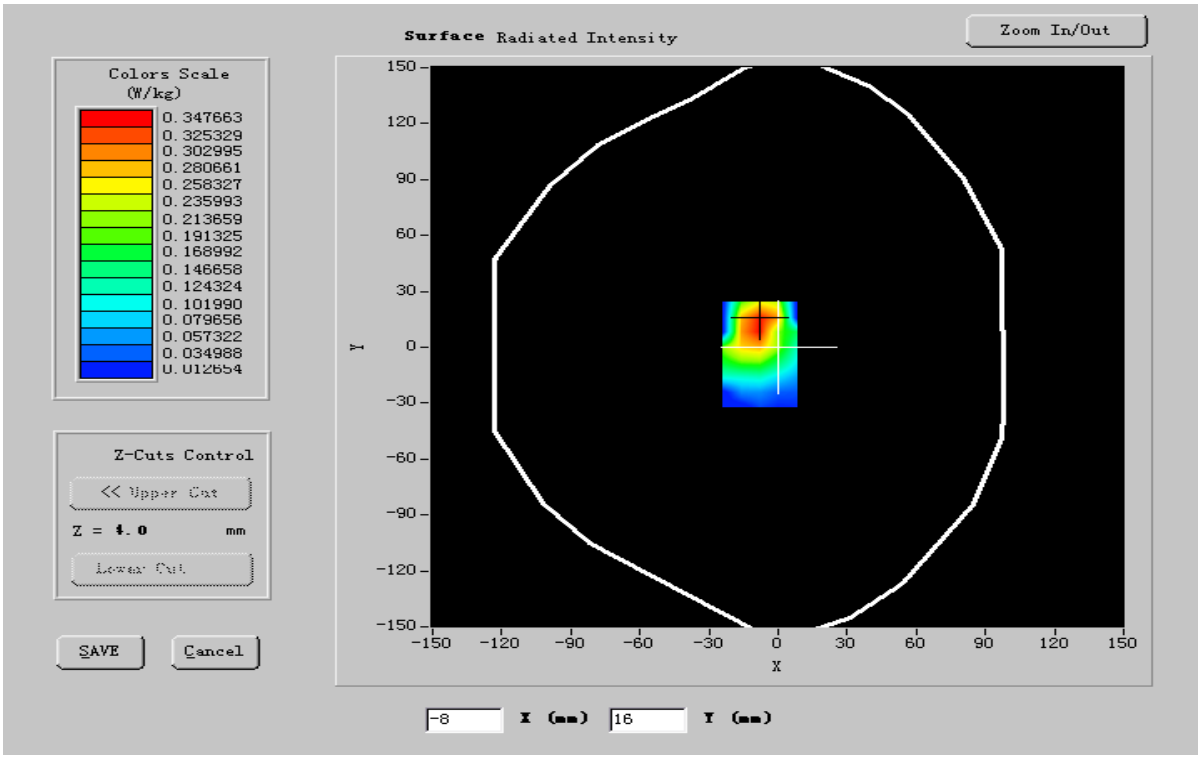
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

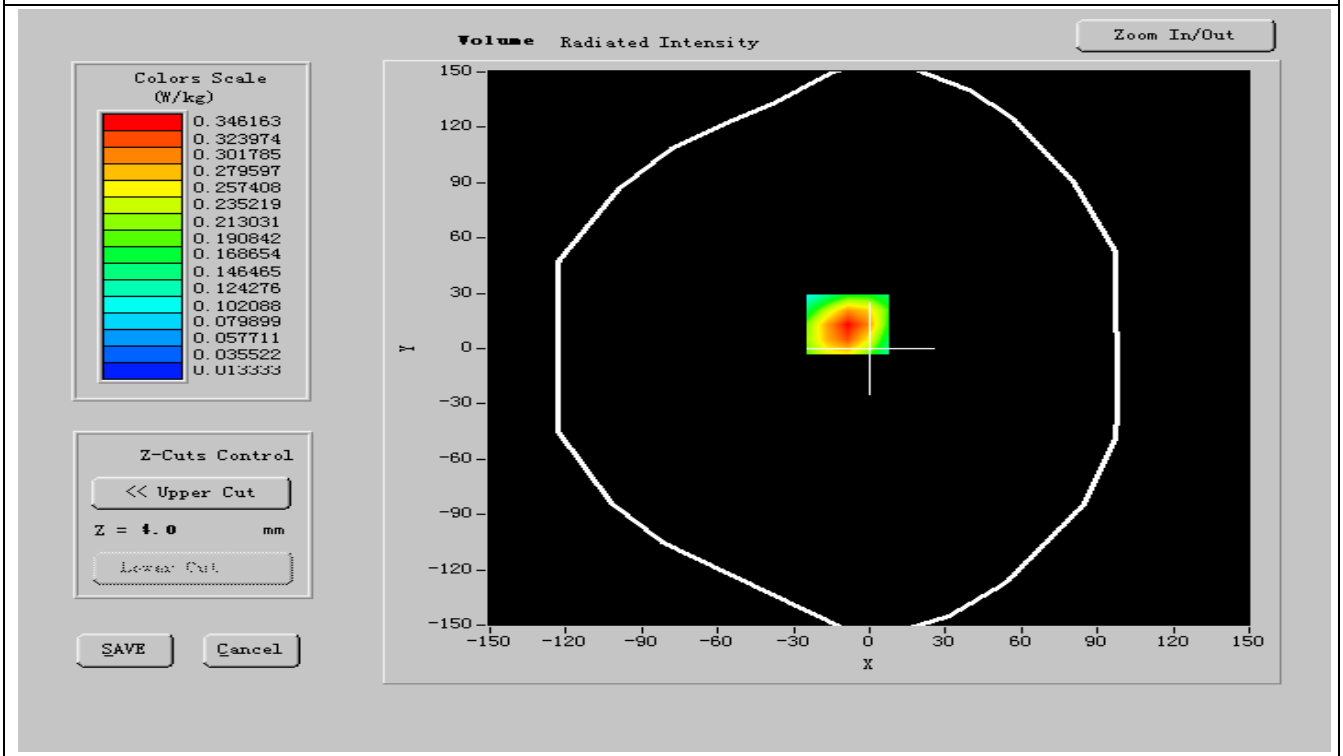
C. SAR Measurement Results

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:	**40.42, 41.12, 54.75**
Crest factor:	**1:8**

SURFACE SAR



VOLUME SAR

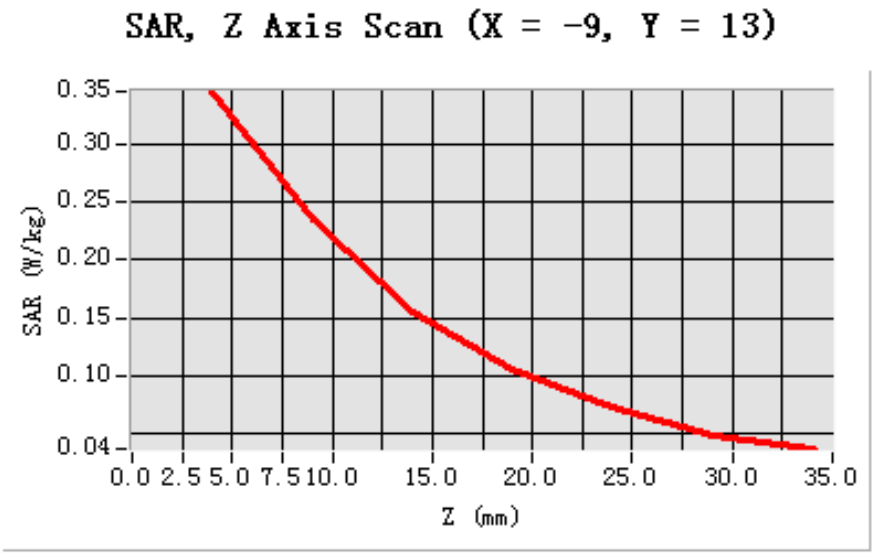


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.200652
SAR 1g (W/Kg)	0.293356

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



MEASUREMENT 17

Date of measurement: 15/11/2010

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

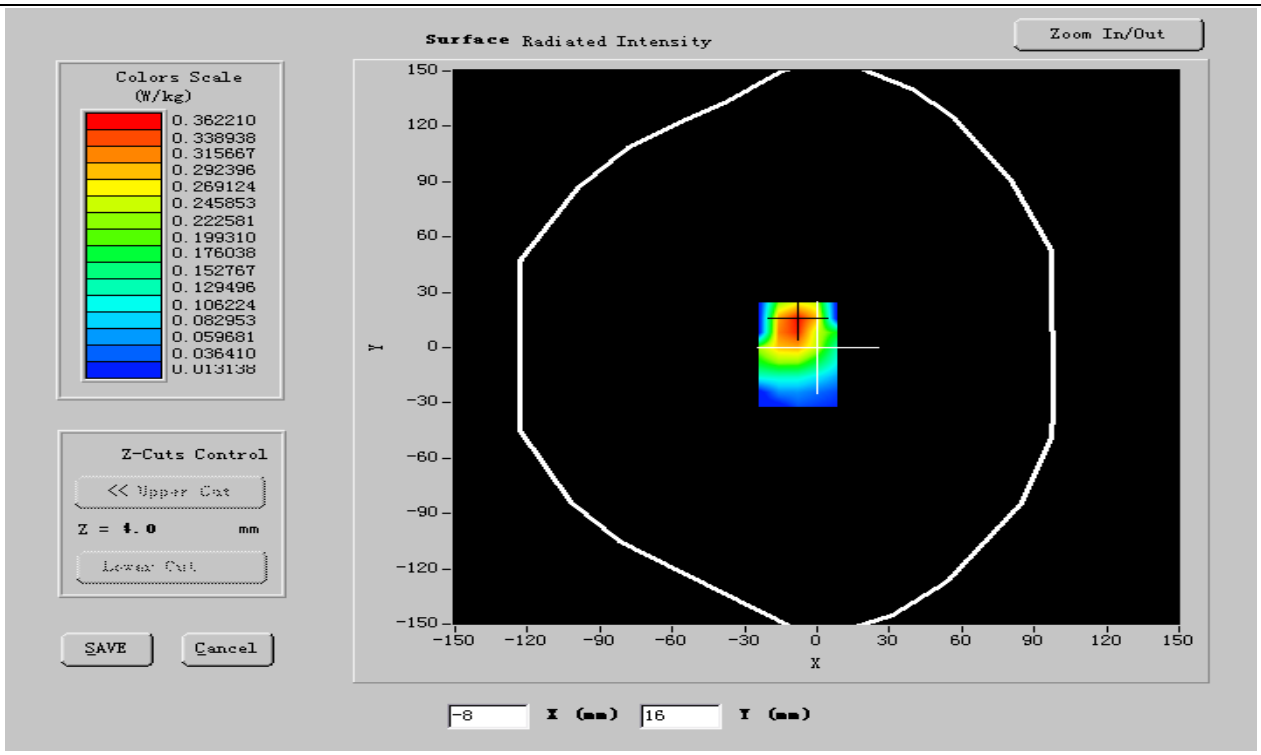
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

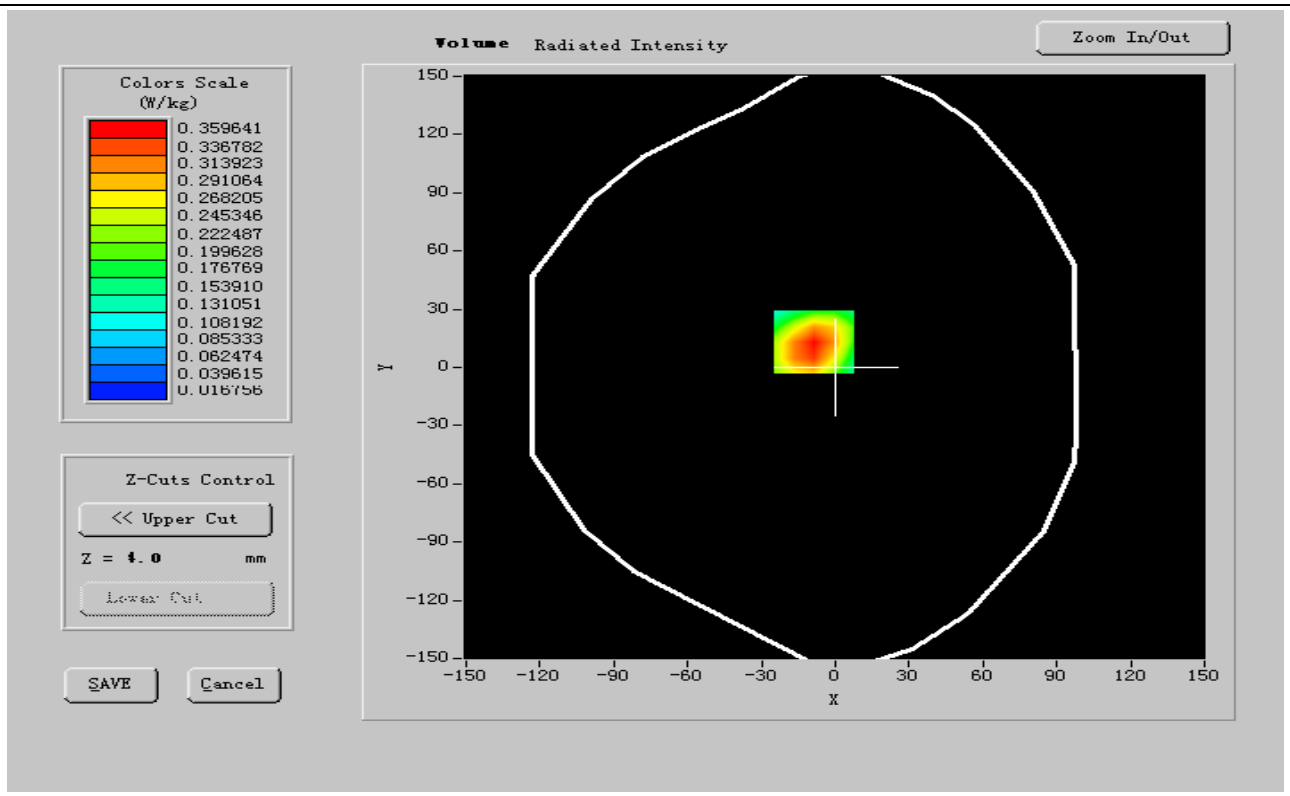
C. SAR Measurement Results

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:	**40.42, 41.12, 54.75**
Crest factor:	**1:8**

SURFACE SAR



VOLUME SAR

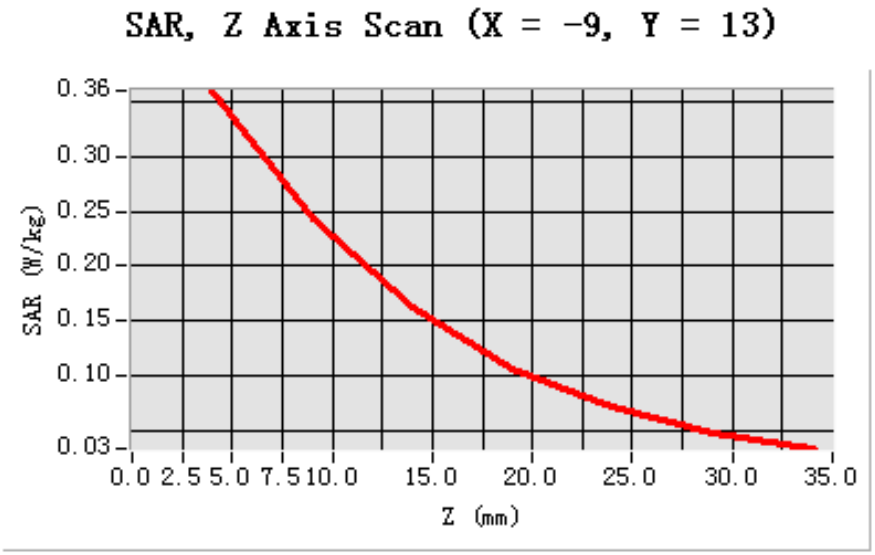


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.246487
SAR 1g (W/Kg)	0.315543

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



MEASUREMENT 18

Date of measurement: 15/11/2010

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

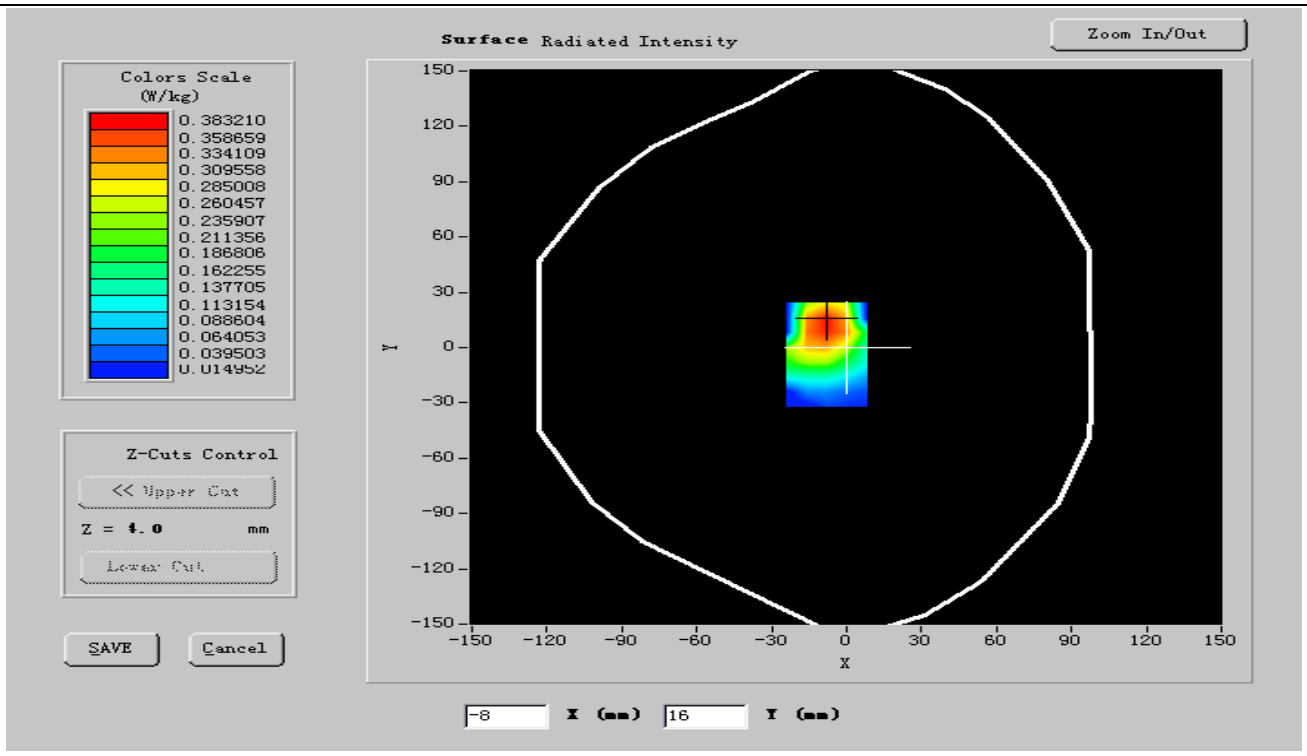
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

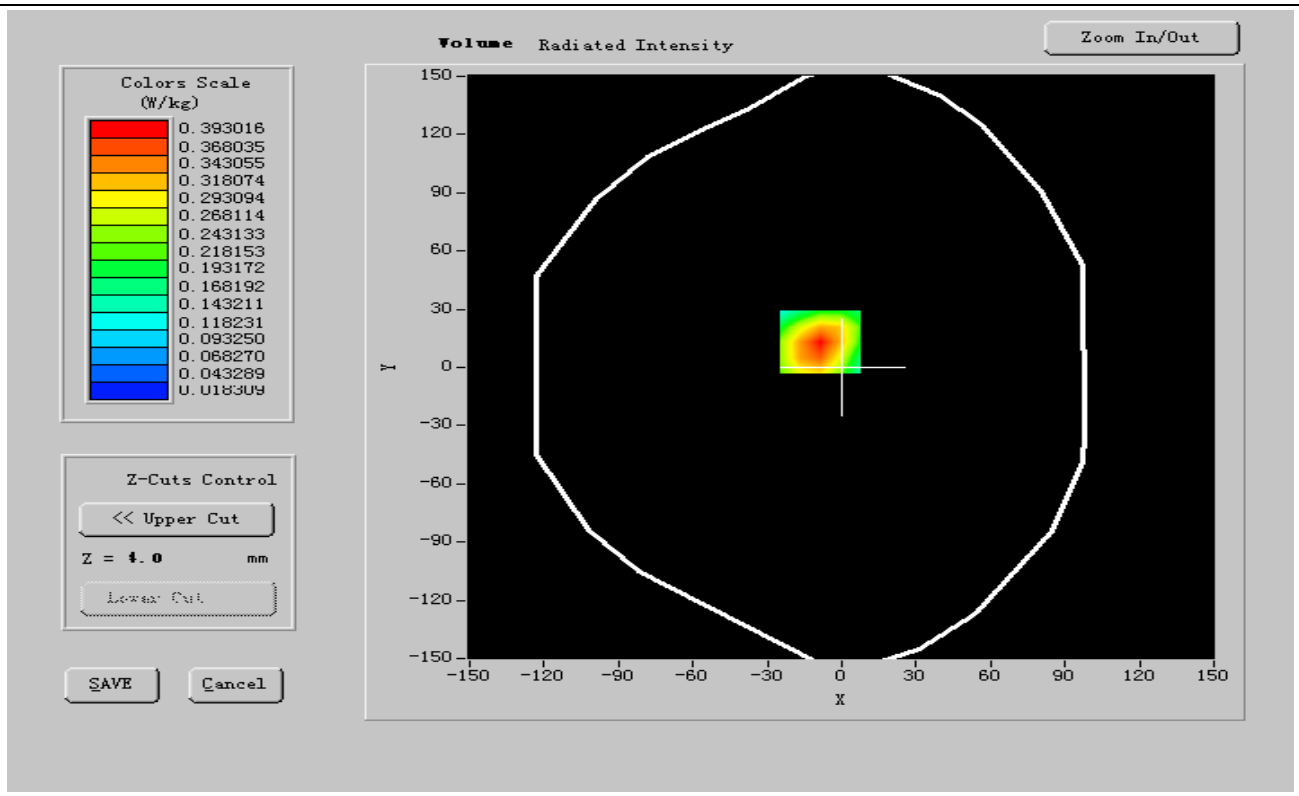
C. SAR Measurement Results

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:	**40.42, 41.12, 54.75**
Crest factor:	**1:8**

SURFACE SAR



VOLUME SAR

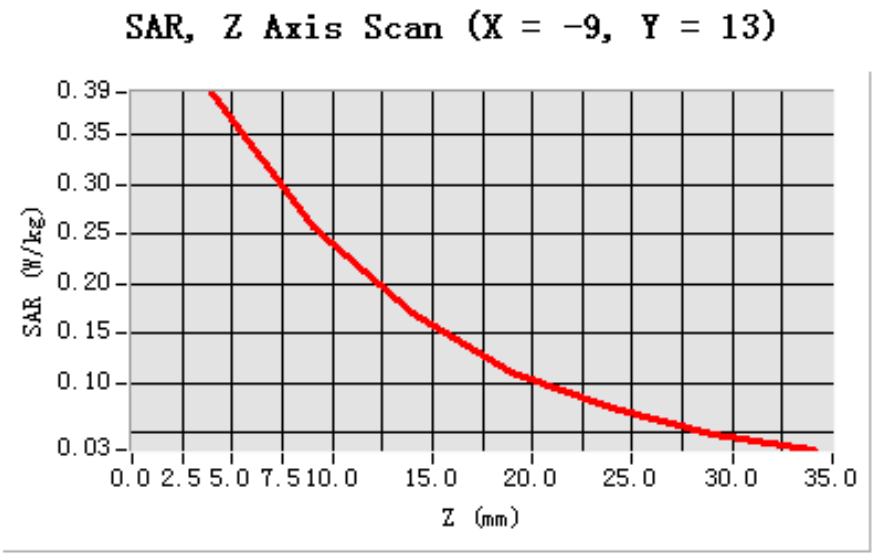


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.234665
SAR 1g (W/Kg)	0.327327

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



MEASUREMENT 19

Date of measurement: 15/11/2010

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

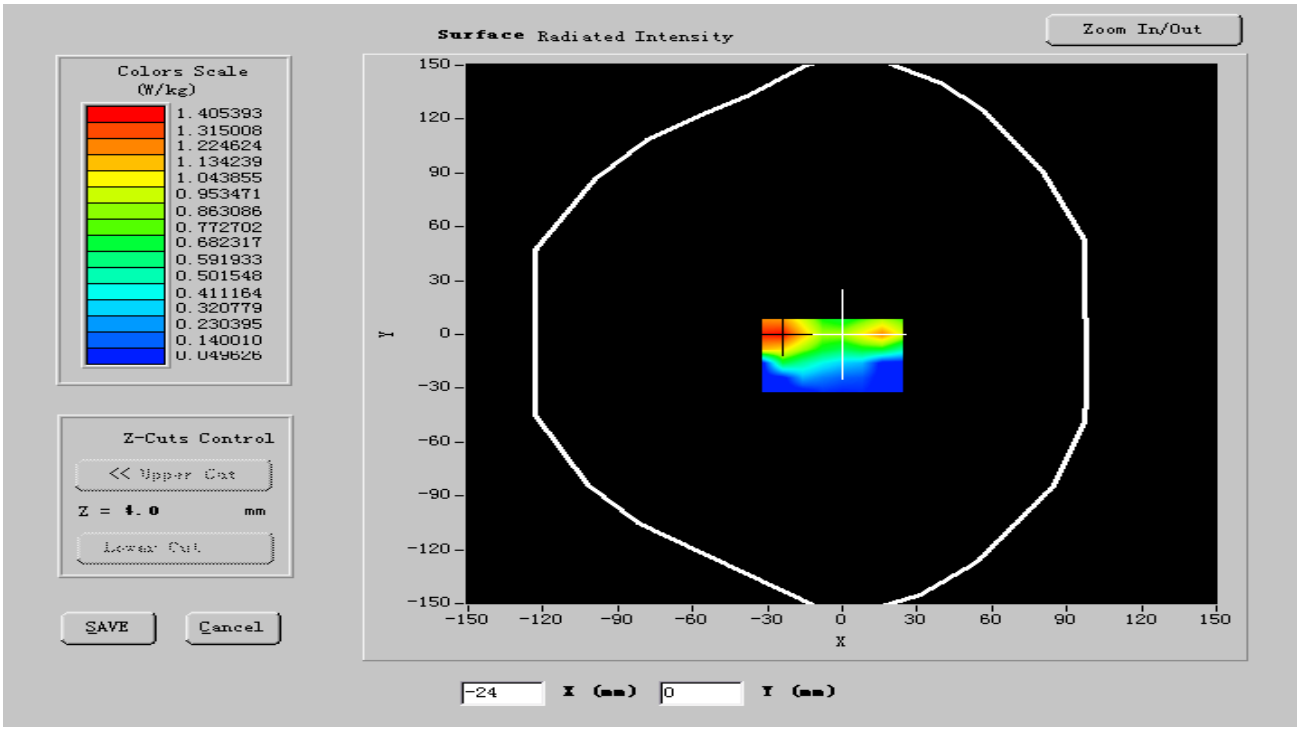
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

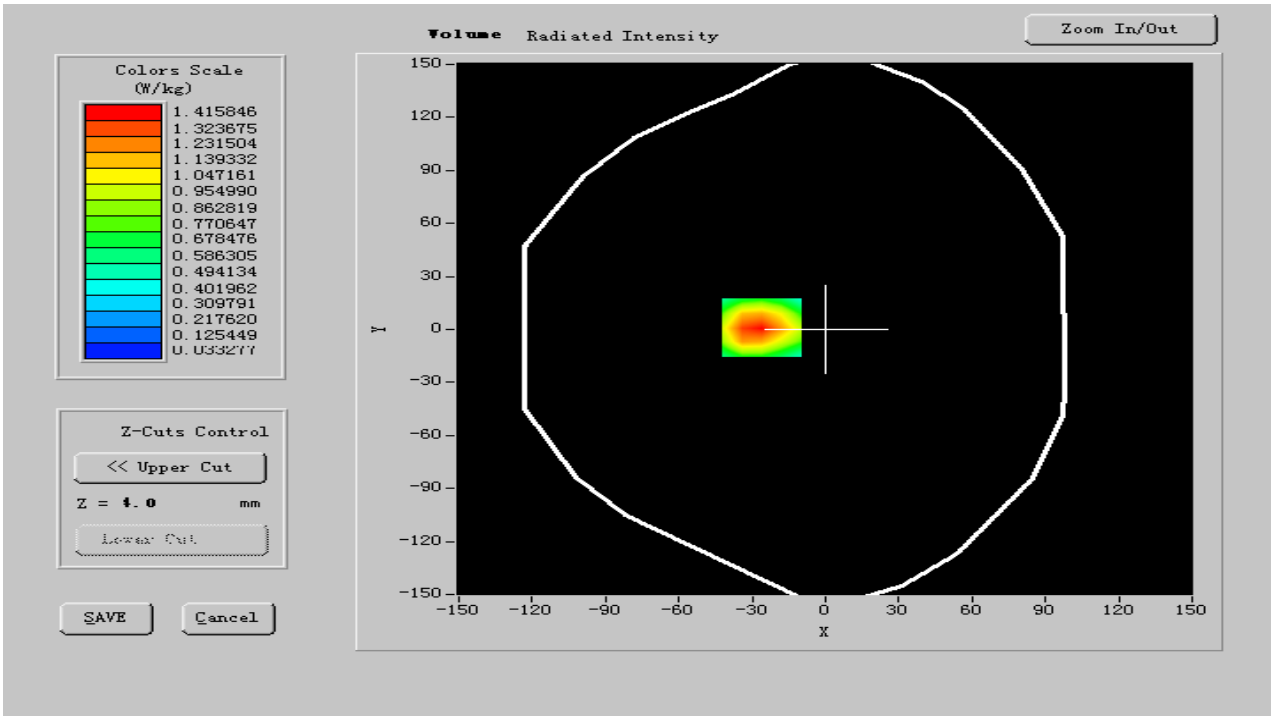
C. SAR Measurement Results

Frequency (MHz)	**1850.199951**
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:	**40.42, 41.12, 54.75**
Crest factor:	**1:4**

SURFACE SAR



VOLUME SAR

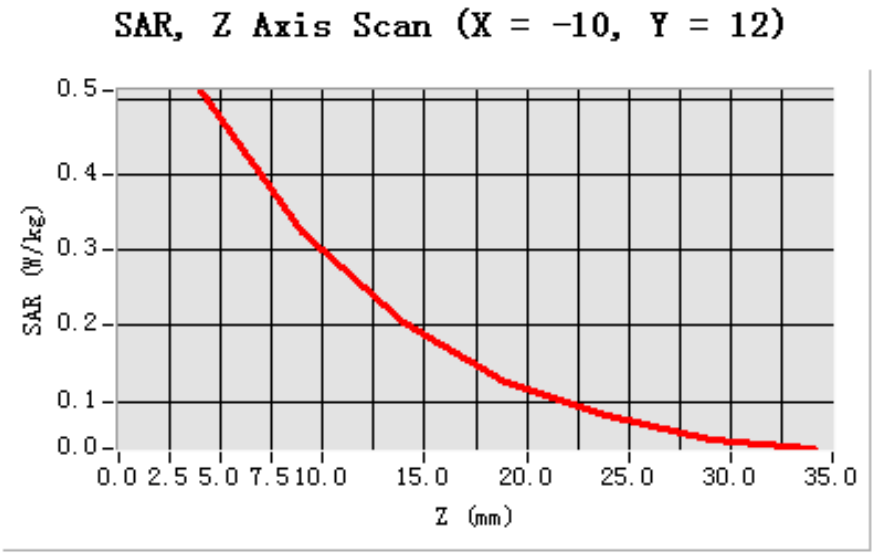


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.219562
SAR 1g (W/Kg)	0.408852

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



MEASUREMENT 20

Date of measurement: 15/11/2010

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

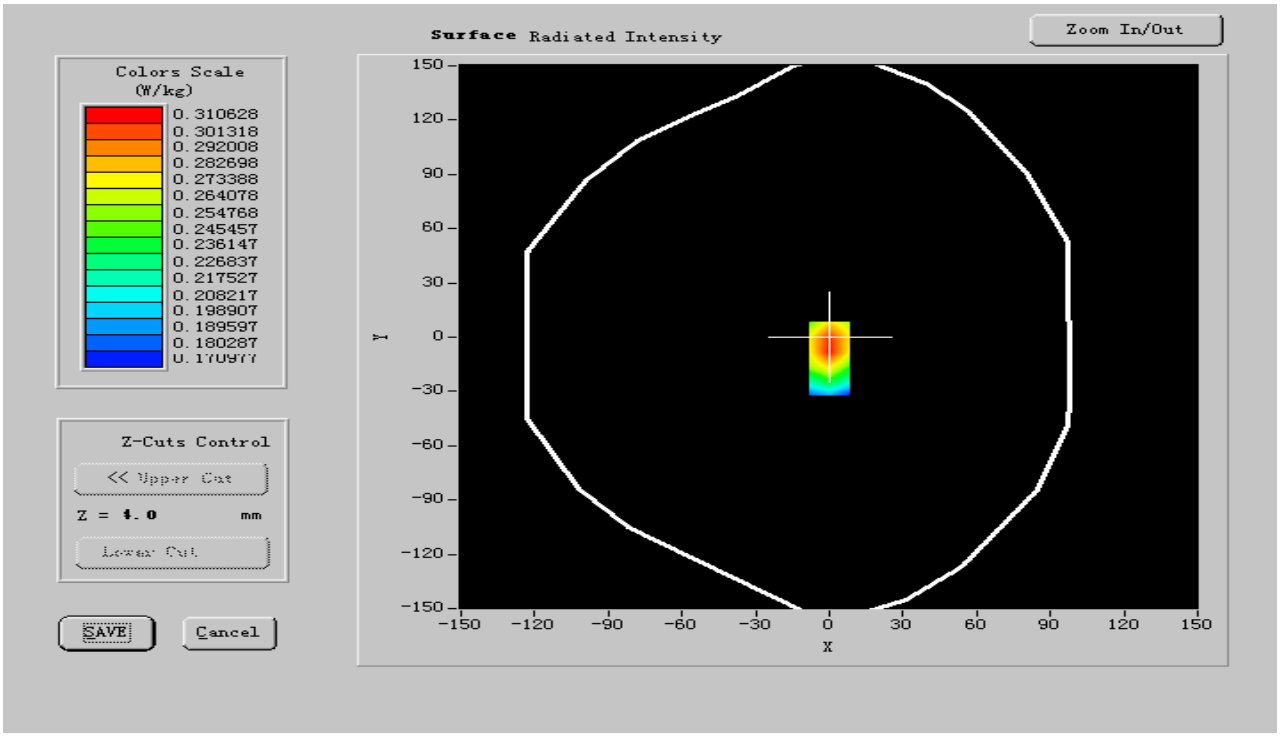
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

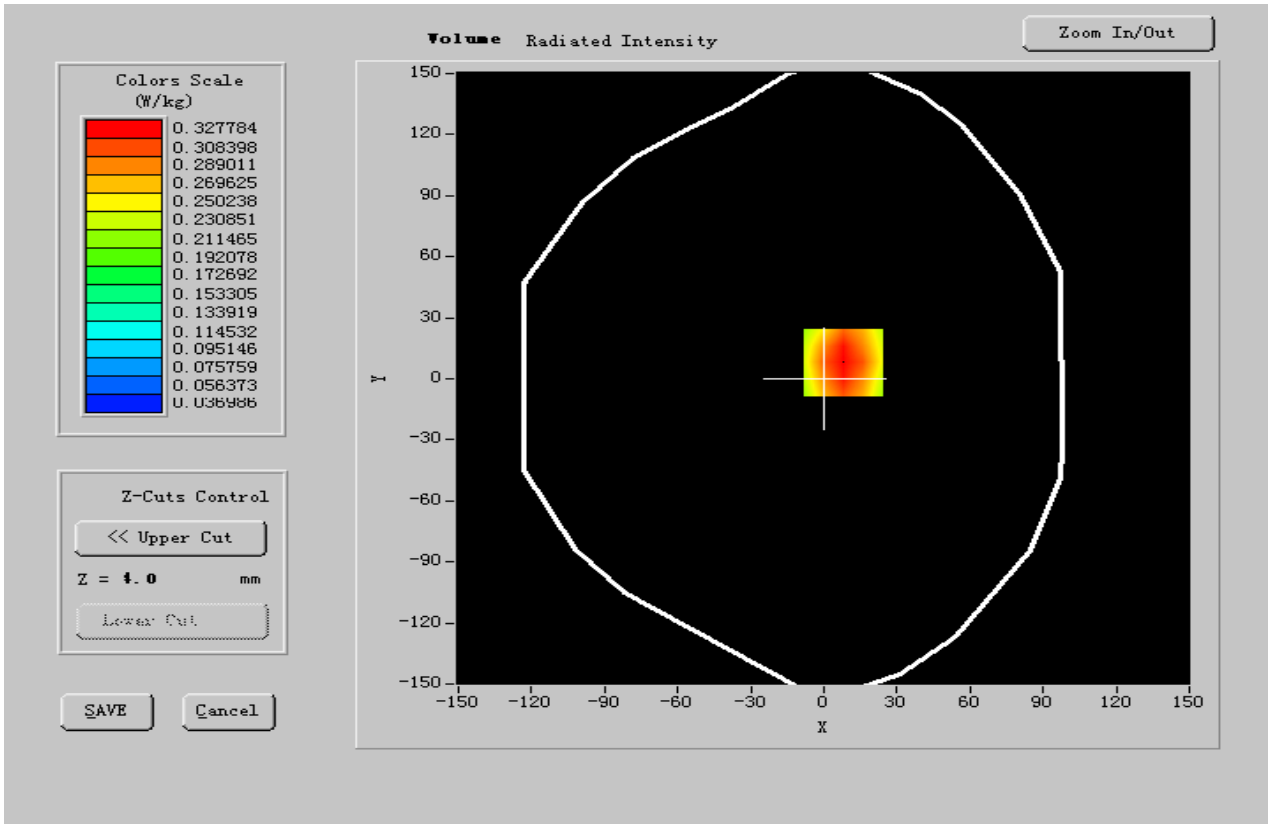
C. SAR Measurement Results

Frequency (MHz)	**1880.400004**
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:	**40.42, 41.12, 54.75**
Crest factor:	**1:4**

SURFACE SAR



VOLUME SAR

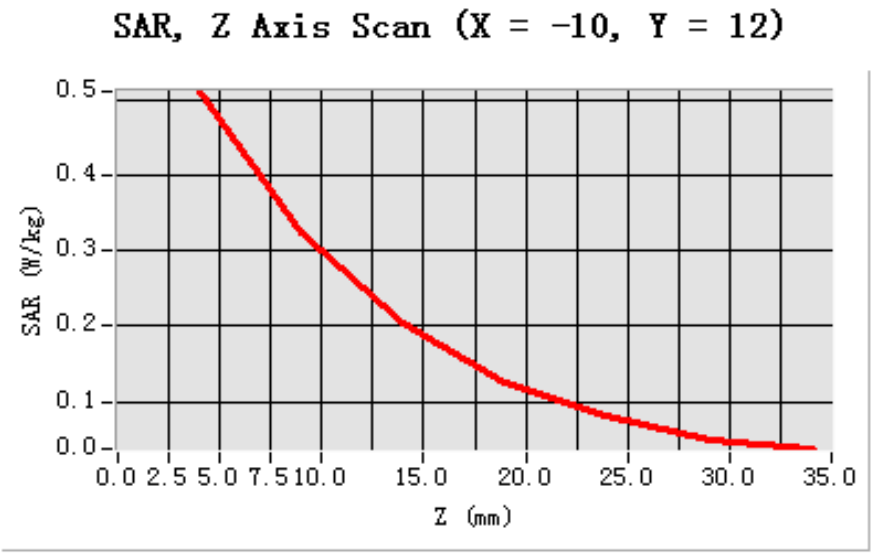


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.215362
SAR 1g (W/Kg)	0.444258

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



MEASUREMENT 21

Date of measurement: 15/11/2010

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
Signal	GPRS

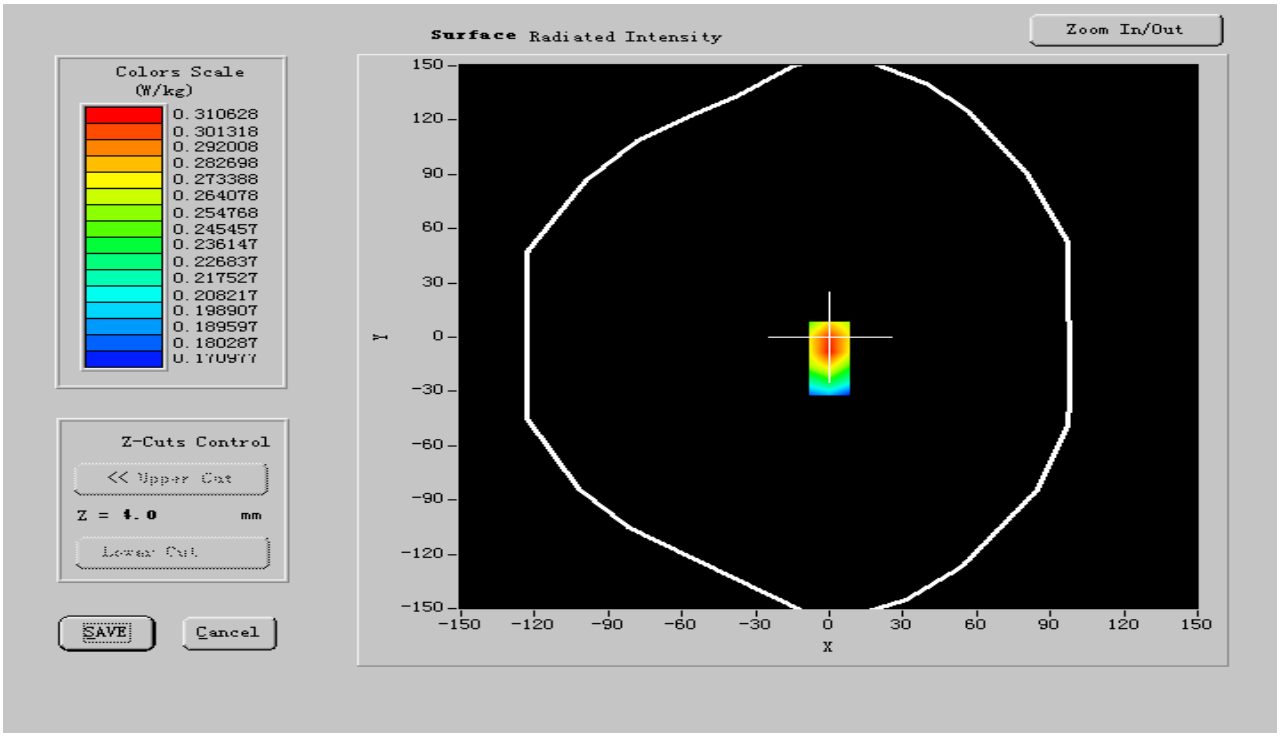
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

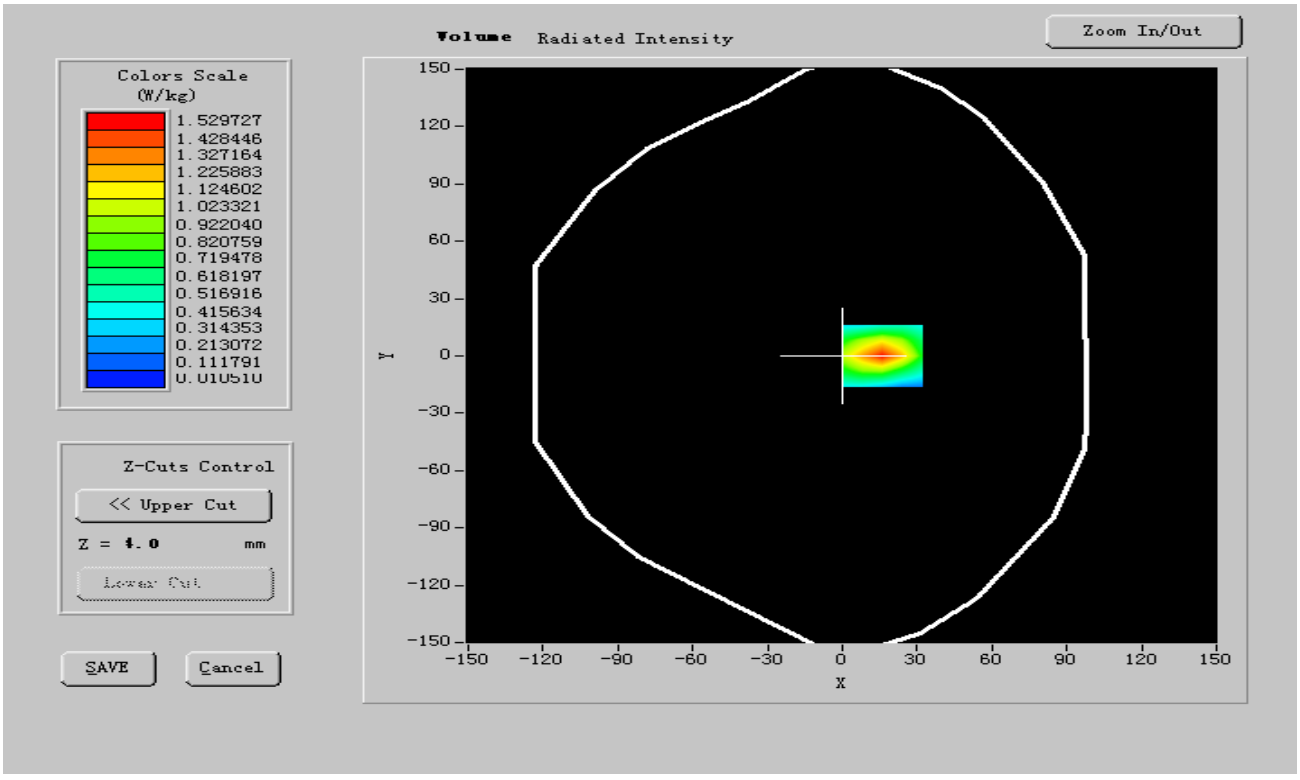
C. SAR Measurement Results

Frequency (MHz)	**1908.599036**
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:	**40.42, 41.12, 54.75**
Crest factor:	**1:4**

SURFACE SAR



VOLUME SAR

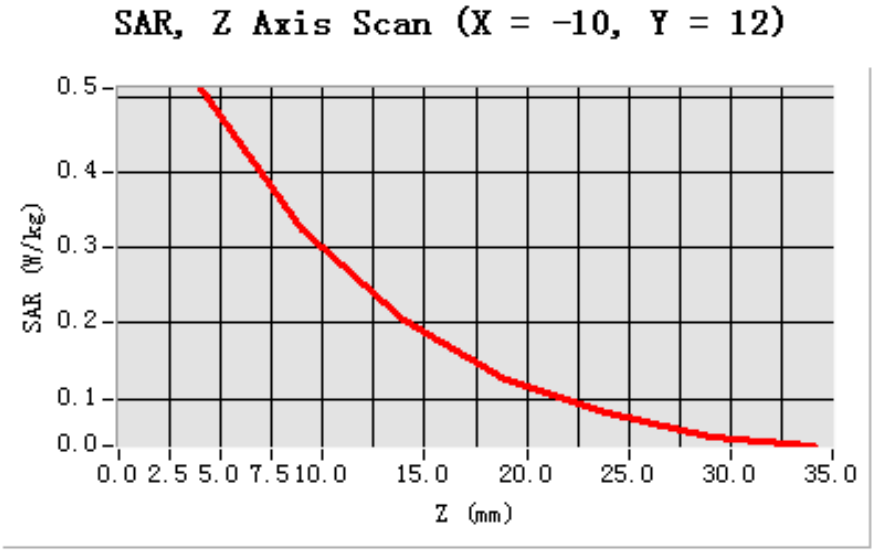


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.265841
SAR 1g (W/Kg)	0.426721

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



MEASUREMENT 22

Date of measurement: 15/11/2010

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

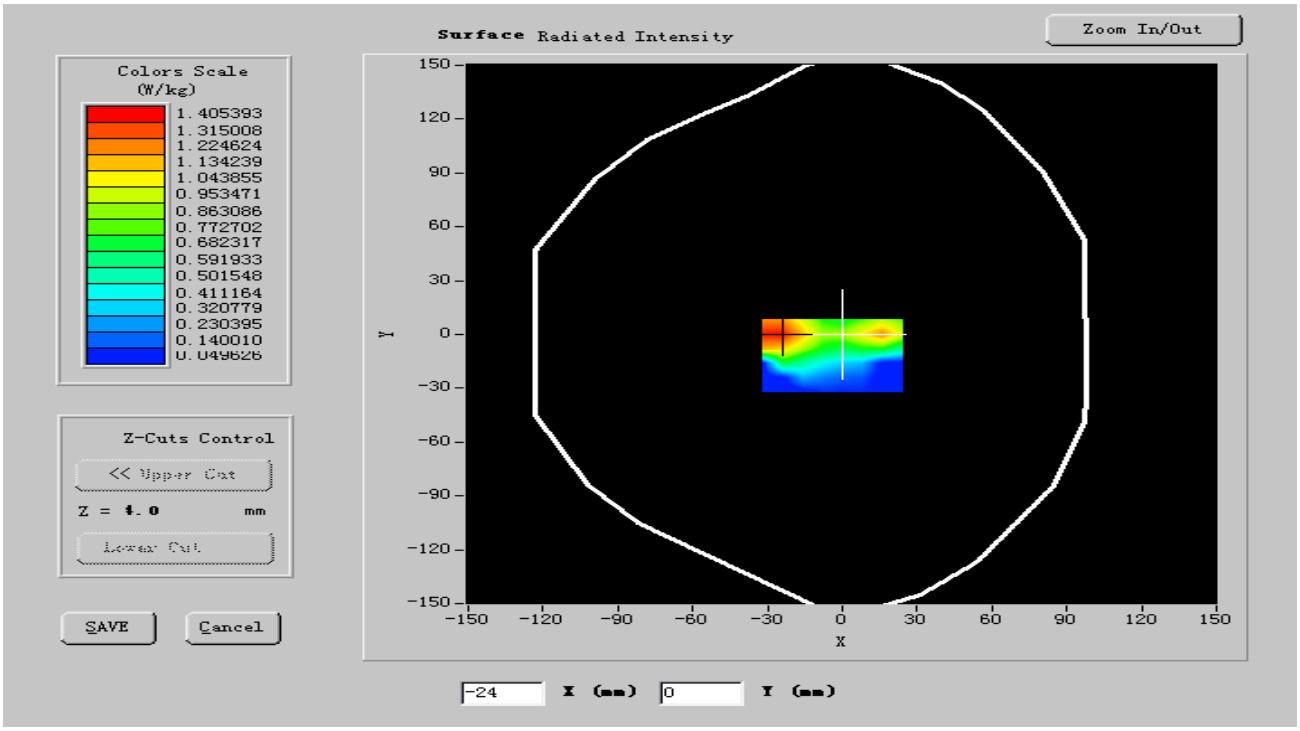
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

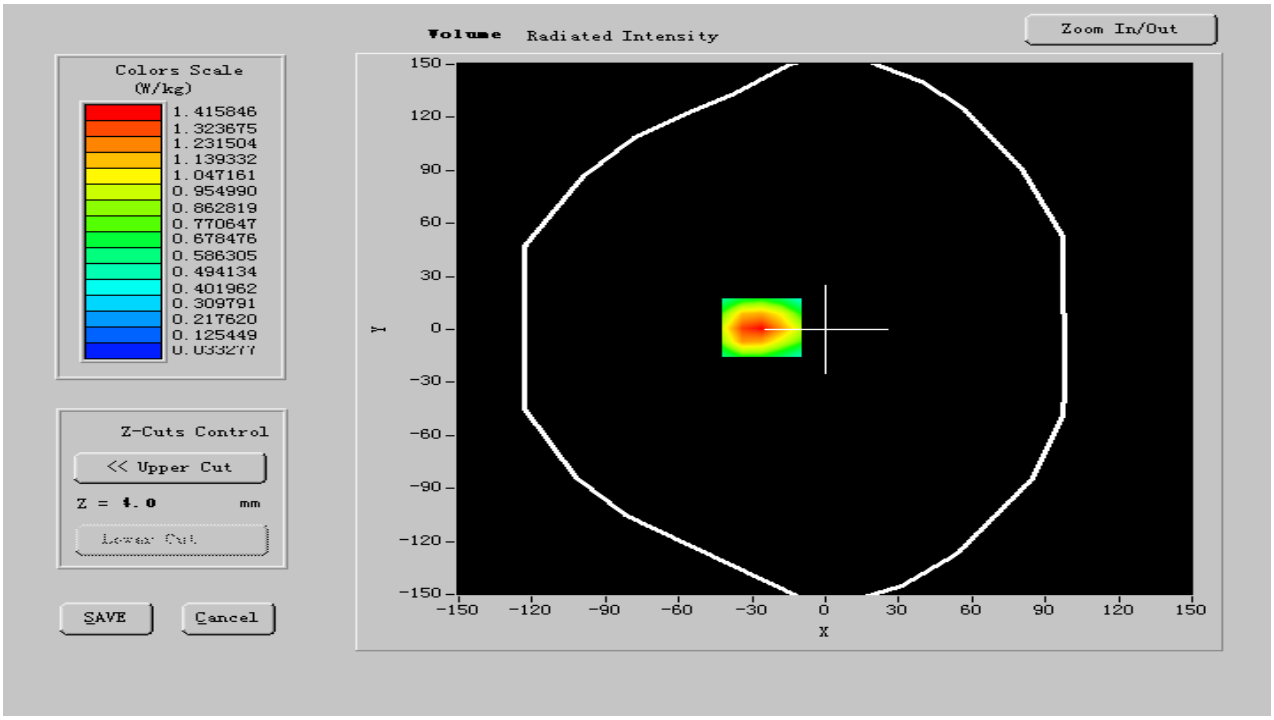
C. SAR Measurement Results

Frequency (MHz)	**1850.199951**
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:	**40.42, 41.12, 54.75**
Crest factor:	**1:4**

SURFACE SAR



VOLUME SAR

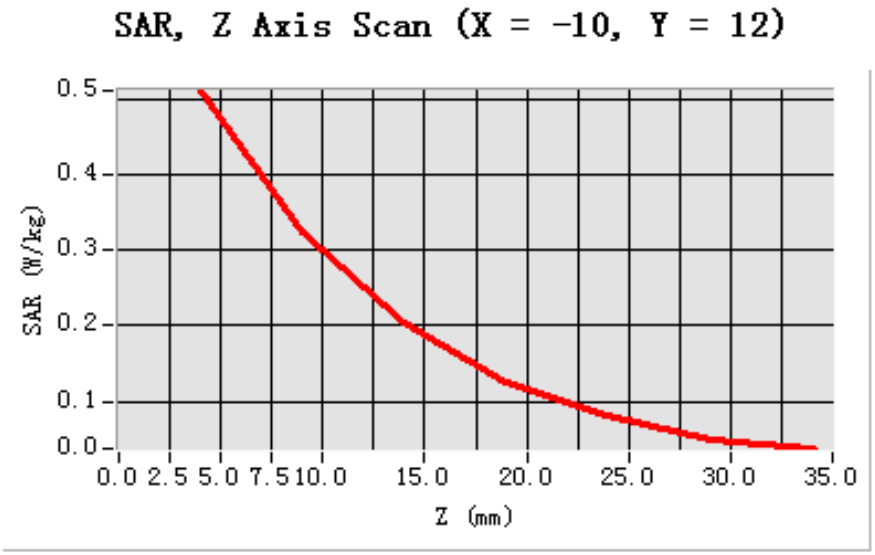


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.256353
SAR 1g (W/Kg)	0.358852

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



MEASUREMENT 23

Date of measurement: 15/11/2010

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

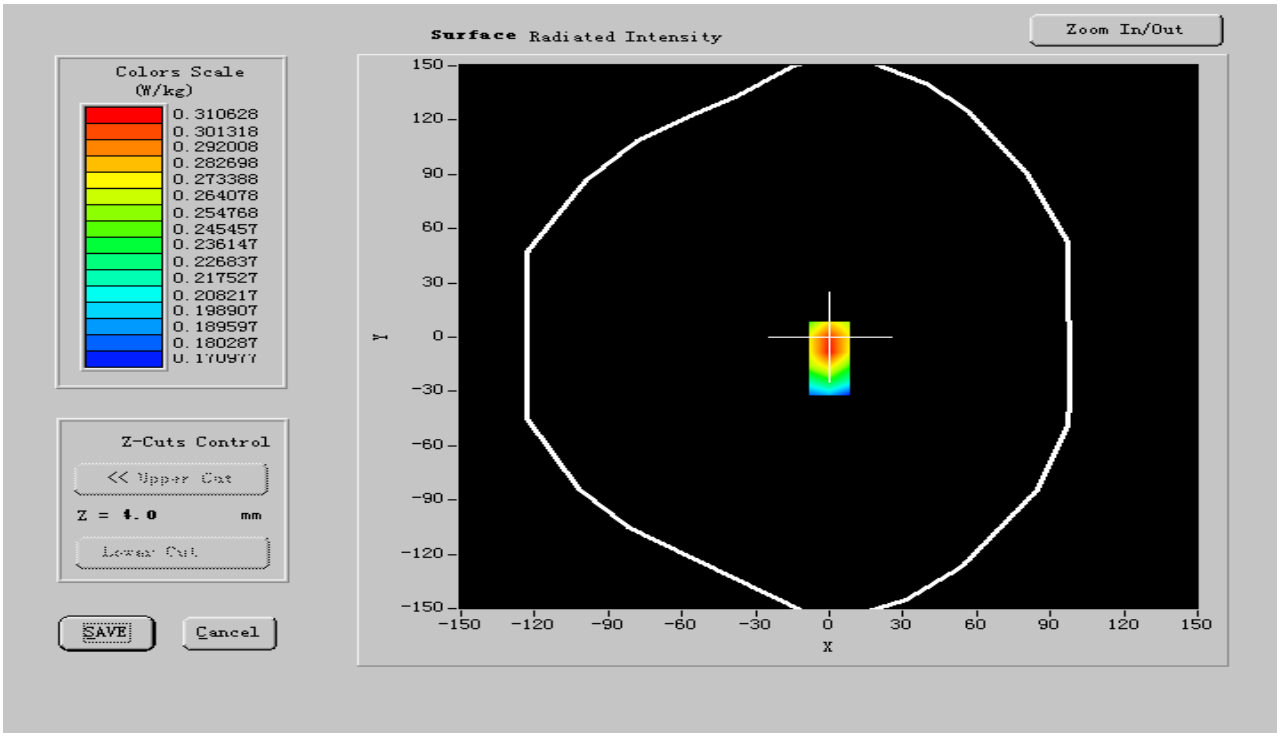
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

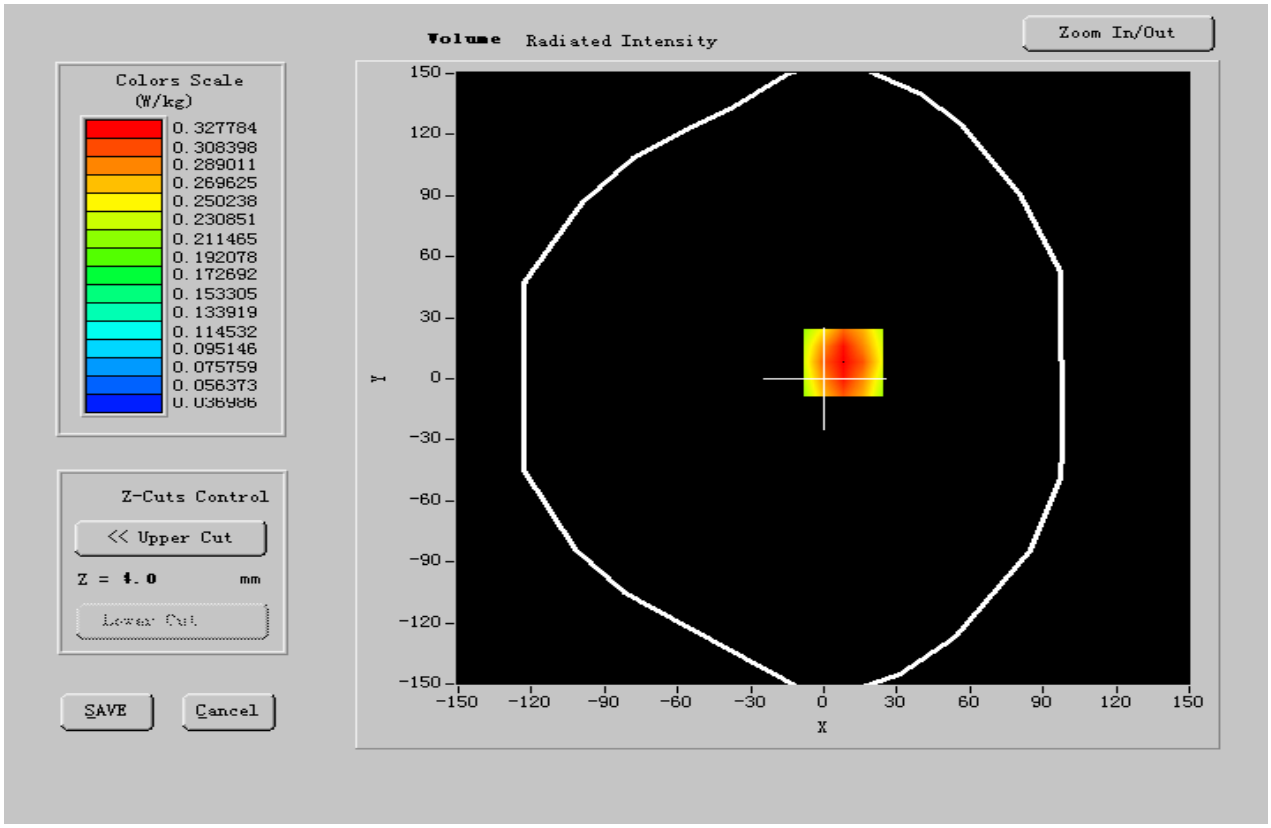
C. SAR Measurement Results

Frequency (MHz)	**1880.400004**
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:	**40.42, 41.12, 54.75**
Crest factor:	**1:4**

SURFACE SAR



VOLUME SAR

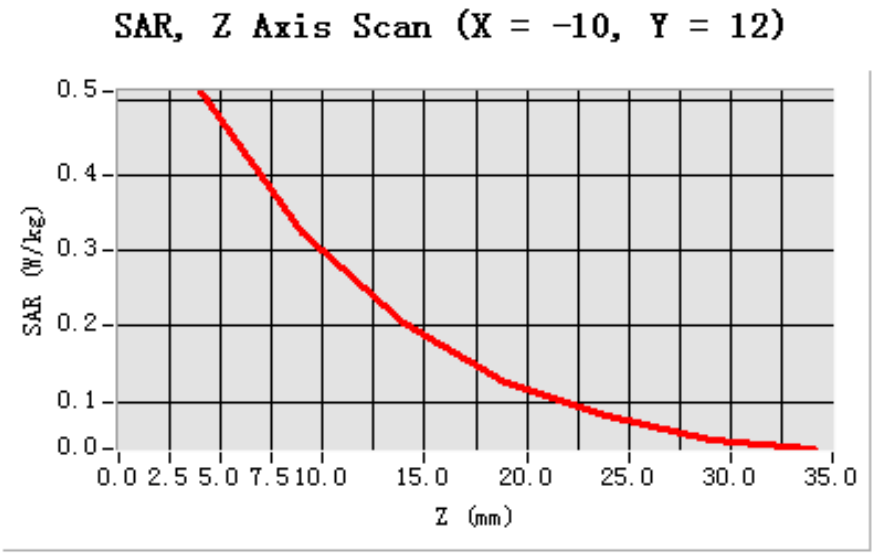


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.215362
SAR 1g (W/Kg)	0.366258

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



MEASUREMENT 24

Date of measurement: 15/11/2010

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
Signal	GPRS

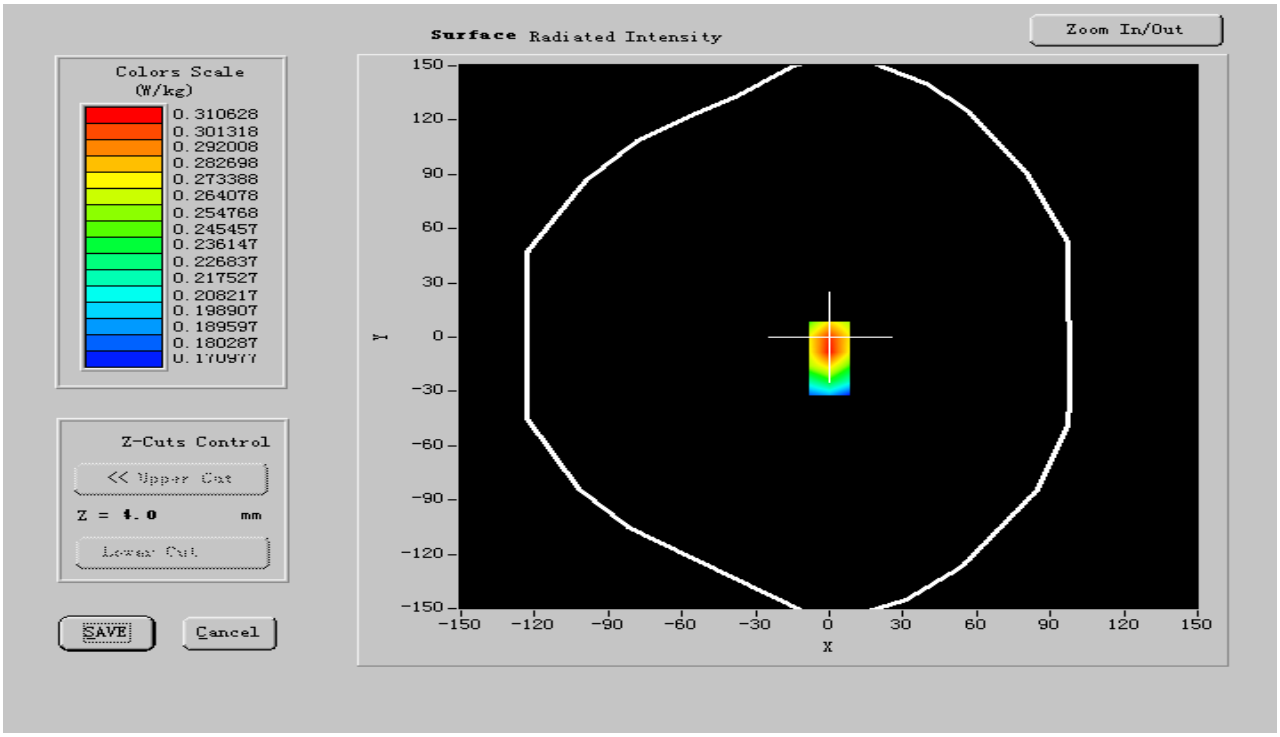
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35, SN 48/05)**	**Calibration Due: 02/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

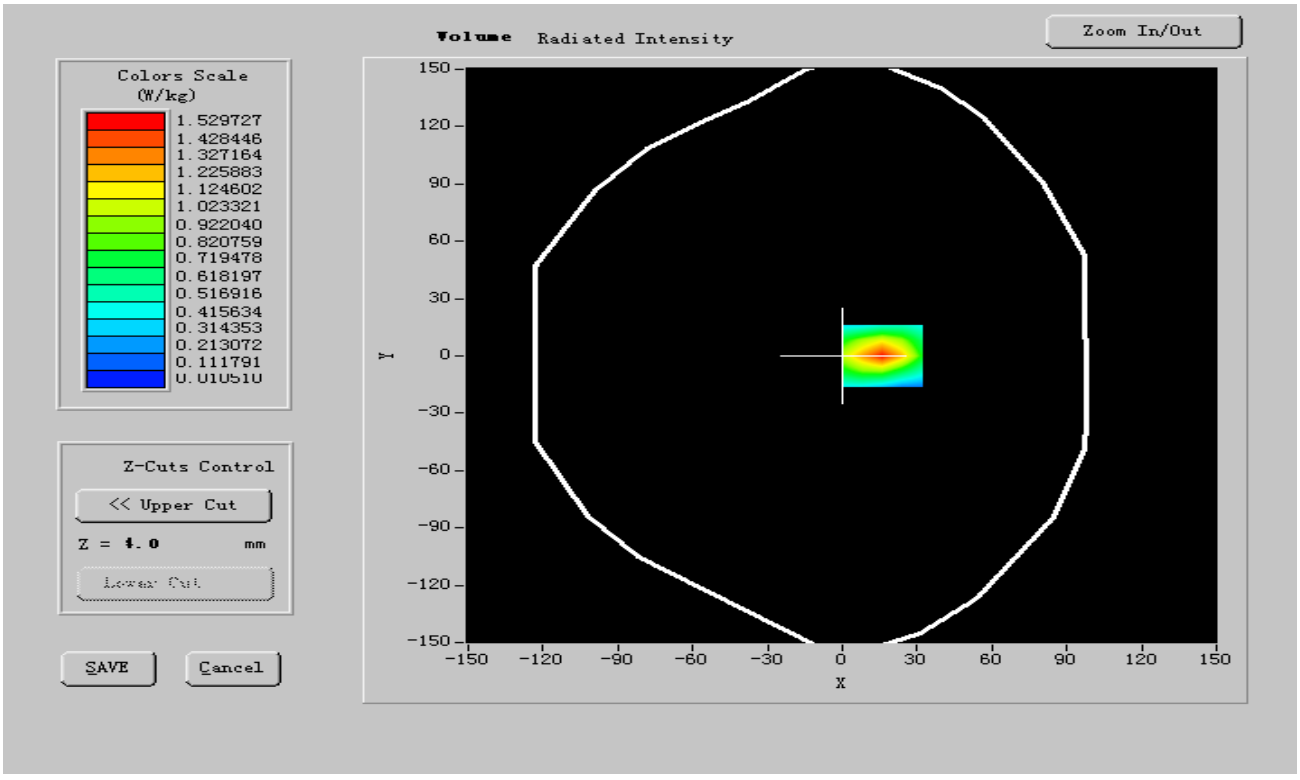
C. SAR Measurement Results

Frequency (MHz)	**1908.599036**
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:	**40.42, 41.12, 54.75**
Crest factor:	**1:4**

SURFACE SAR



VOLUME SAR

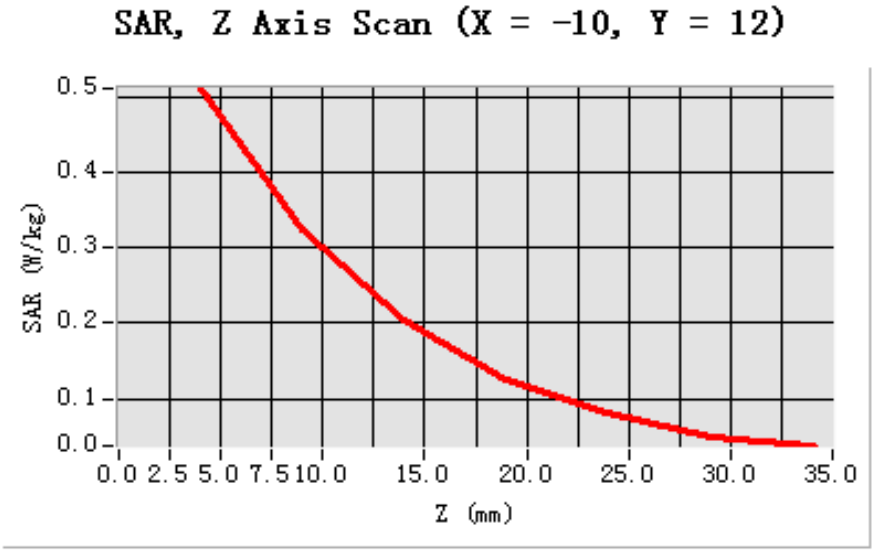


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.234367
SAR 1g (W/Kg)	0.416327

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



III. 802.11 B RESULTS

TYPE	PARAMETERS
Phone	Measurement 1: Validation Plane with Body(Bottom) device position on Low Channel in 802.11b mode Measurement 2: Validation Plane with Body(Bottom) device position on Middle Channel in 802.11b mode Measurement 3: Validation Plane with Body(Bottom) device position on High Channel in 802.11b mode Measurement 4 :Validation Plane with Body (Top)device position on Low Channel in 802.11b mode Measurement 5: Validation Plane with Body (Top)device position on Middle Channel in 802.11b mode Measurement 6: Validation Plane with Body(Top) device position on High Channel in 802.11b mode

MEASUREMENT 1

Date of measurement: 24/9/2010

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	802.11b
Channels	Low
Signal	wireless

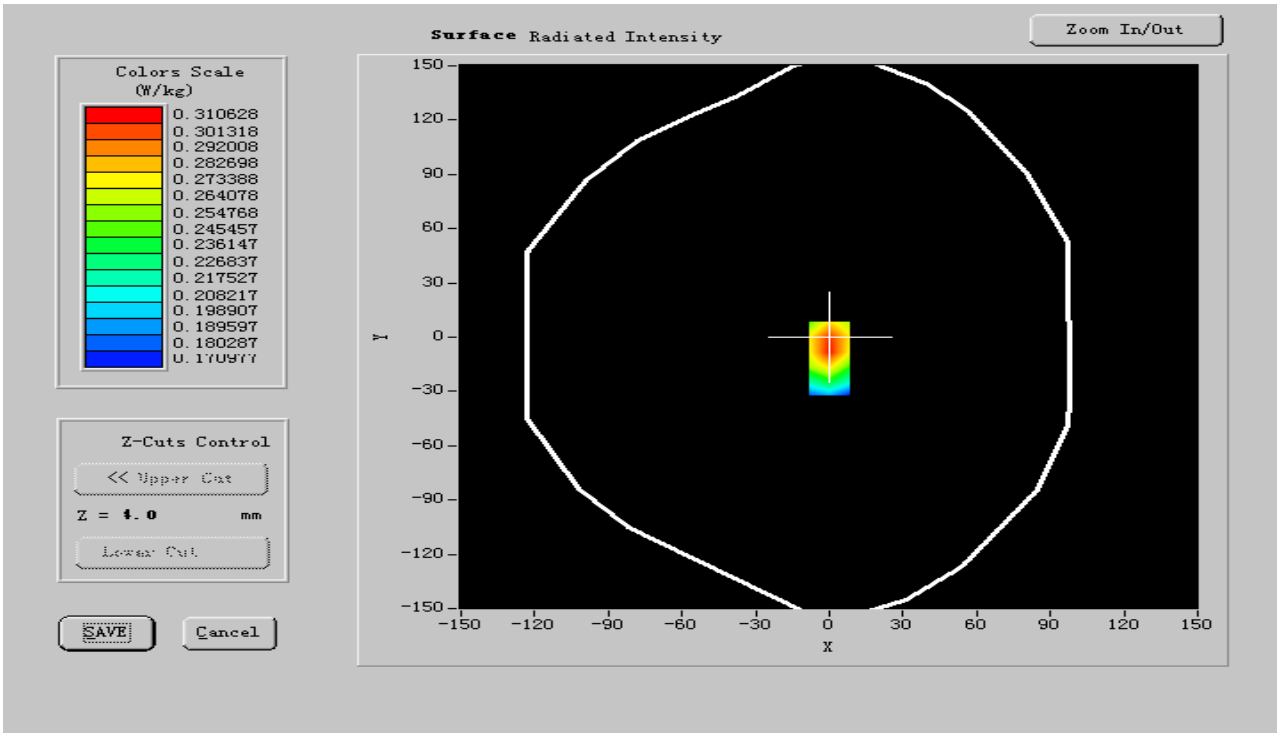
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 2450	**Antennessa (DIPJ37,SN 48/05)**	**Calibration Due: 10/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

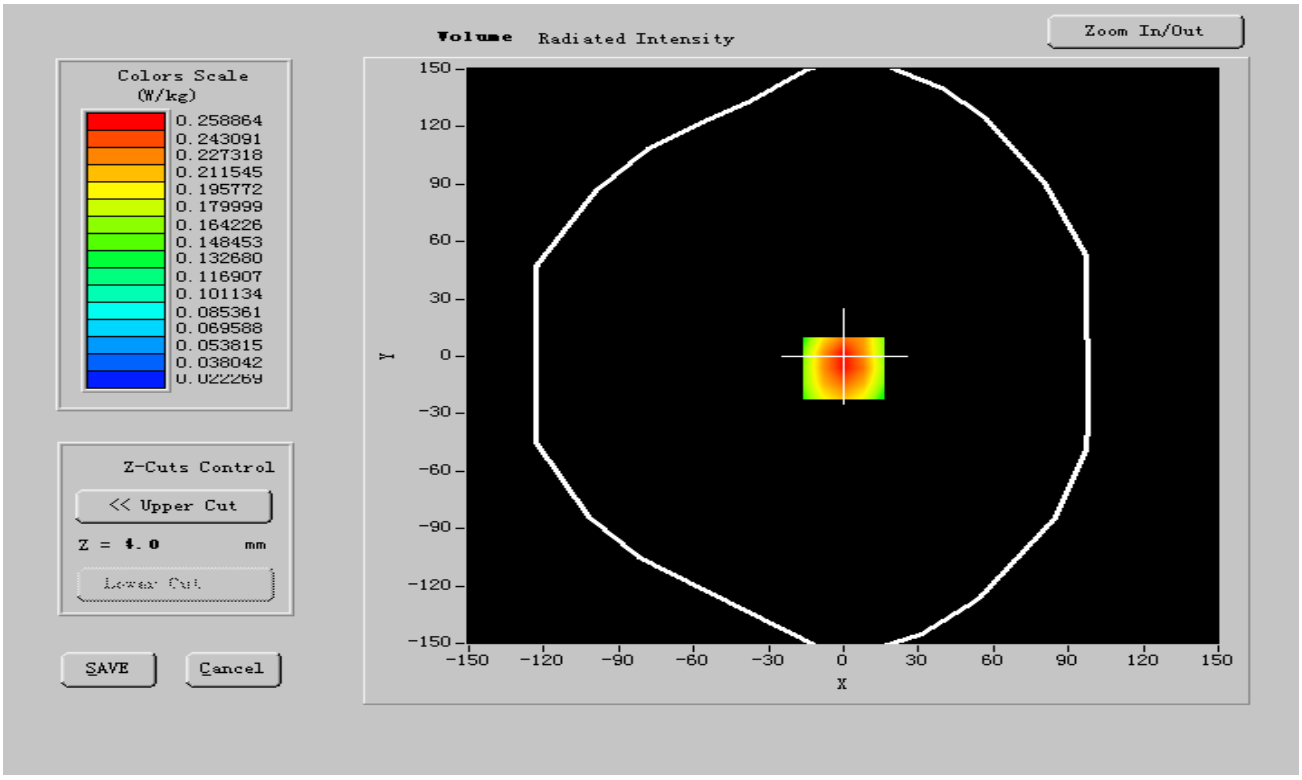
C. SAR Measurement Results

Frequency (MHz)	**2412.000000**
Relative permitivity (real part)	**51.520064**
Relative permitivity (imaginary part)	**13.370061**
Conductivity (S/m)	**1.965014**
Variation (%)	**-0.130000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**50.35,52.98,69.78**
Crest factor：	**1:1**

SURFACE SAR



VOLUME SAR

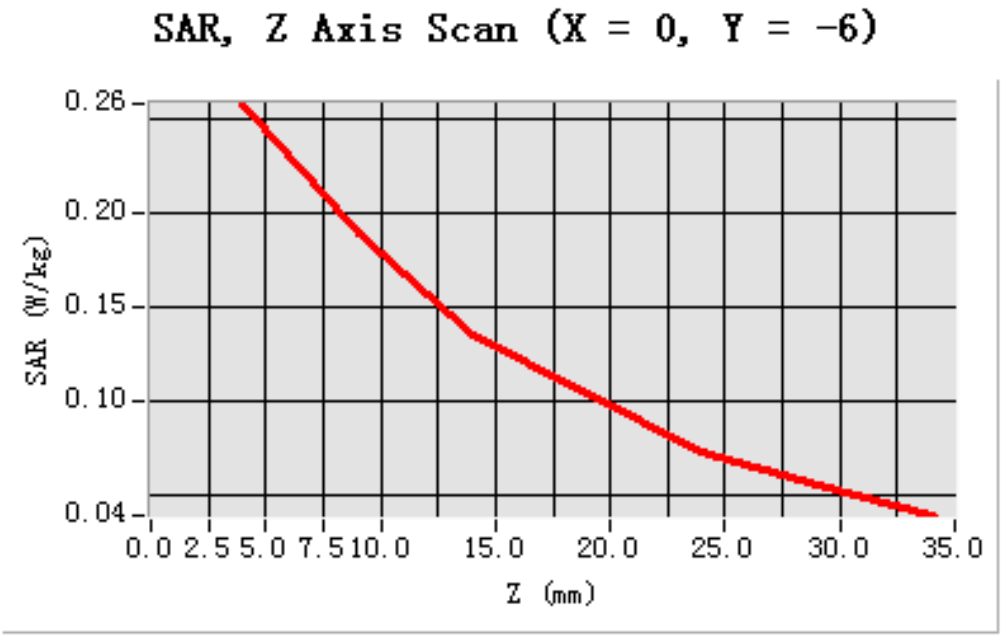


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.054100
SAR 1g (W/Kg)	0.090211

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



MEASUREMENT 2

Date of measurement: 24/9/2010

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	802.11b
Channels	Middle
Signal	wireless

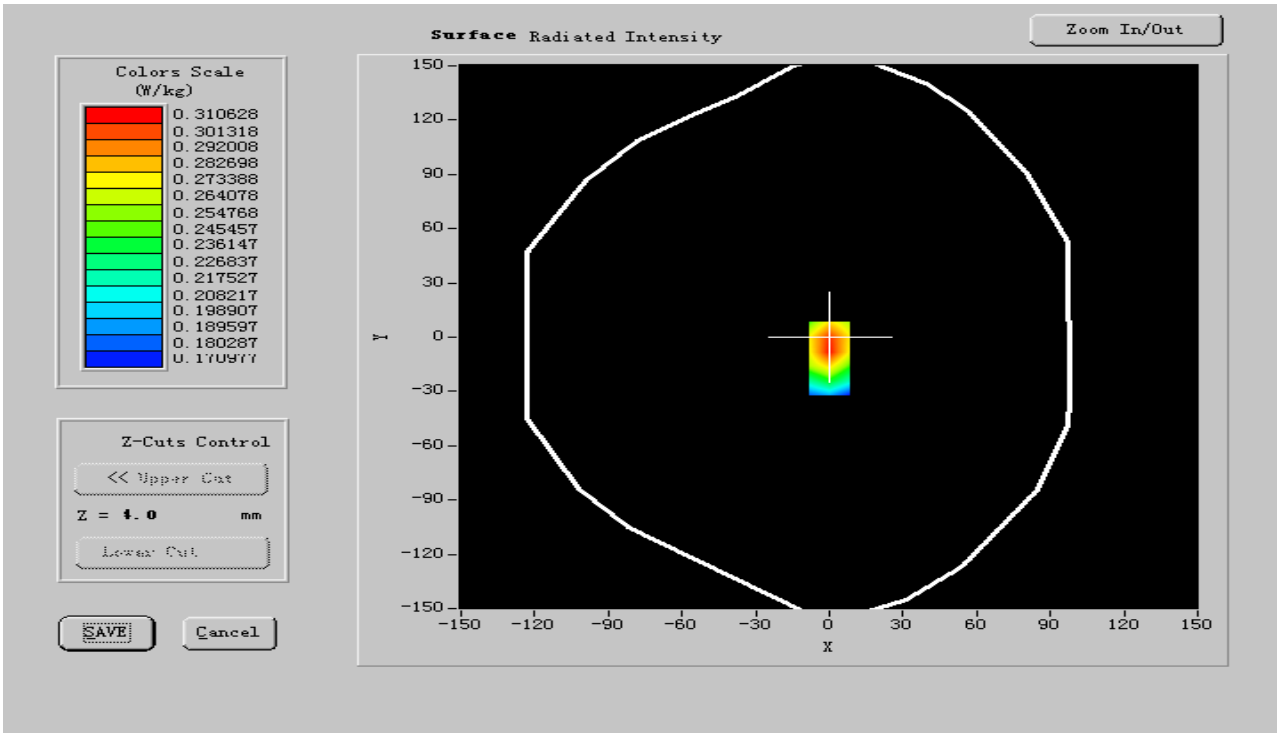
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 2450	**Antennessa (DIPJ37,SN 48/05)**	**Calibration Due: 10/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

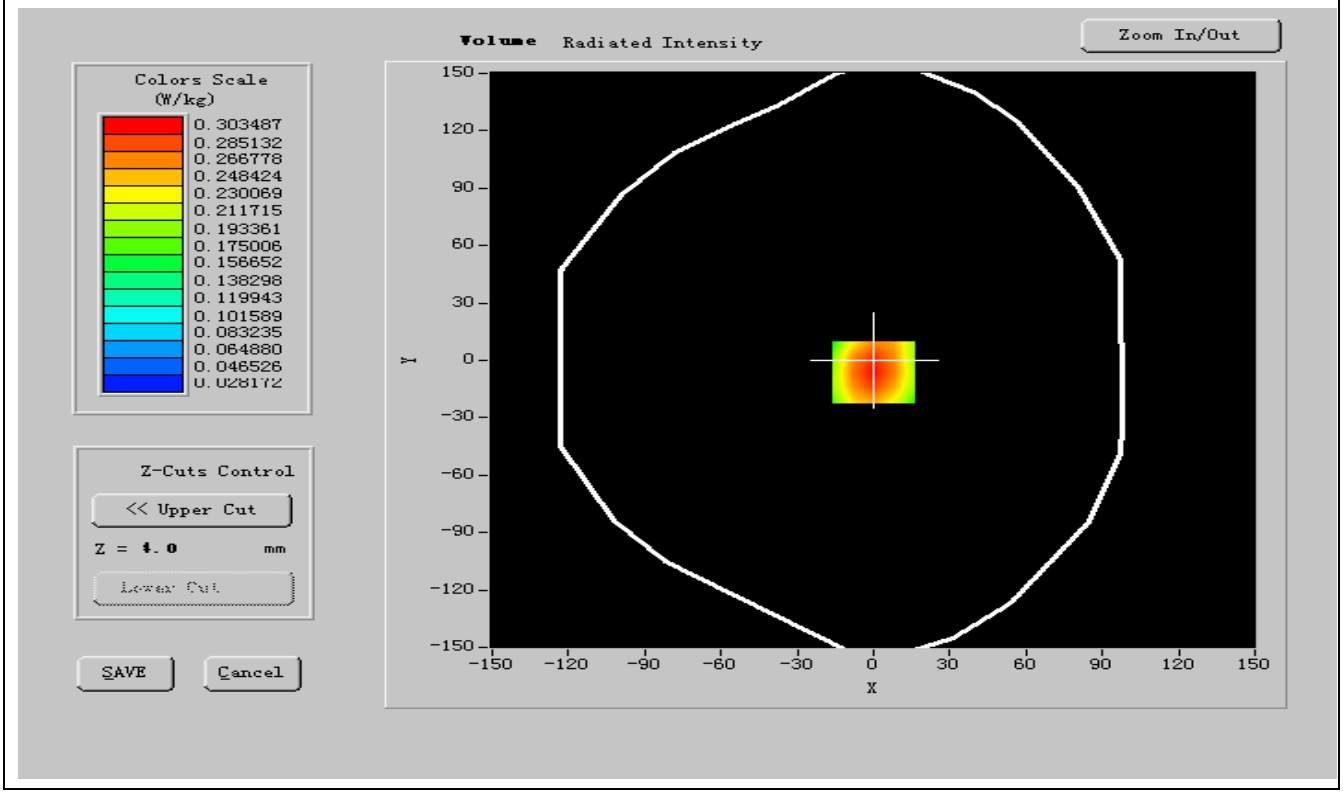
C. SAR Measurement Results

Frequency (MHz)	**2437.000000**
Relative permitivity (real part)	**51.530000**
Relative permitivity (imaginary part)	**13.400011**
Conductivity (S/m)	**1.960210**
Variation (%)	**-0.600000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**50.35,52.98,69.78**
Crest factor:	**1:1**

SURFACE SAR



VOLUME SAR

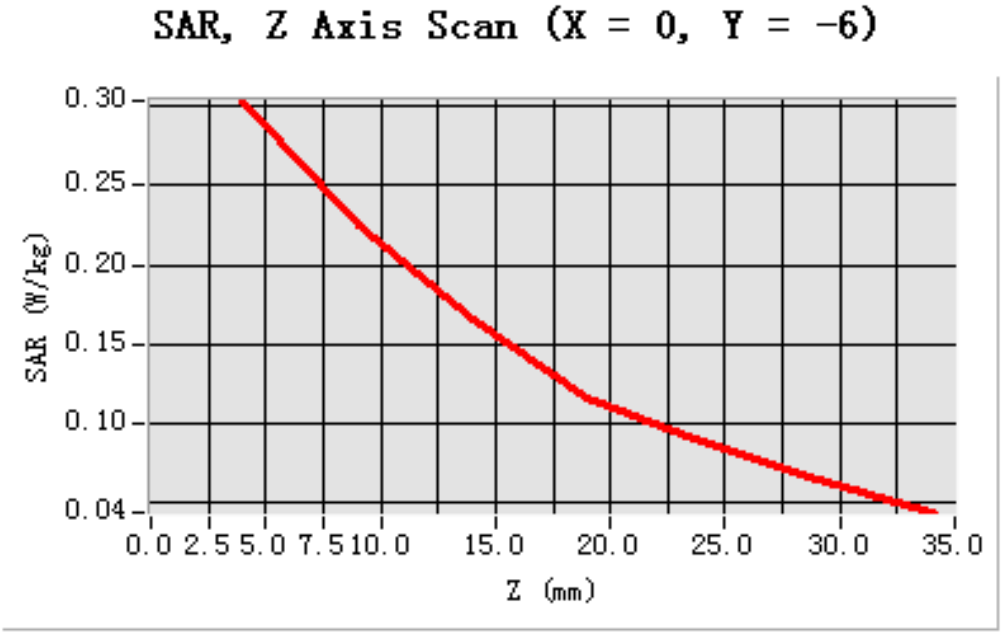


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.061345
SAR 1g (W/Kg)	0.102373

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



MEASUREMENT 3

Date of measurement: 24/9/2010

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	802.11b
Channels	High
Signal	wireless

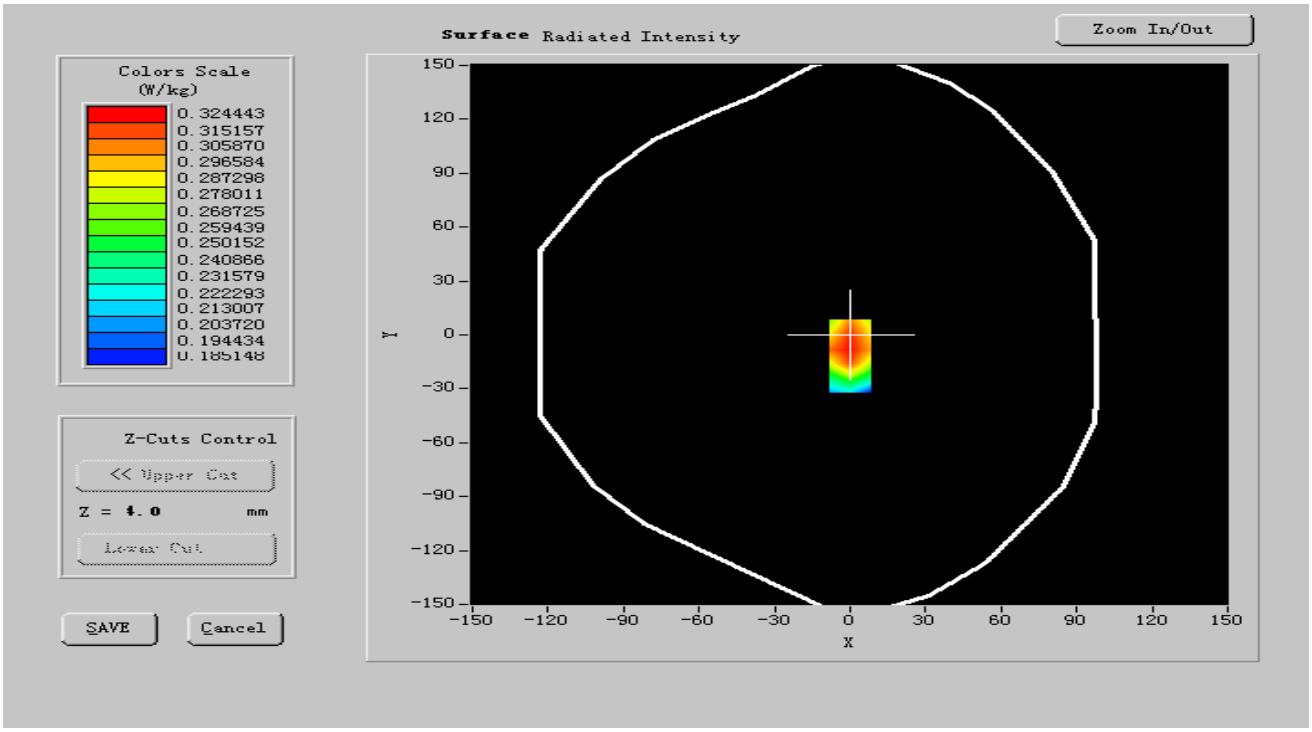
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 2450	**Antennessa (DIPJ37,SN 48/05)**	**Calibration Due: 10/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

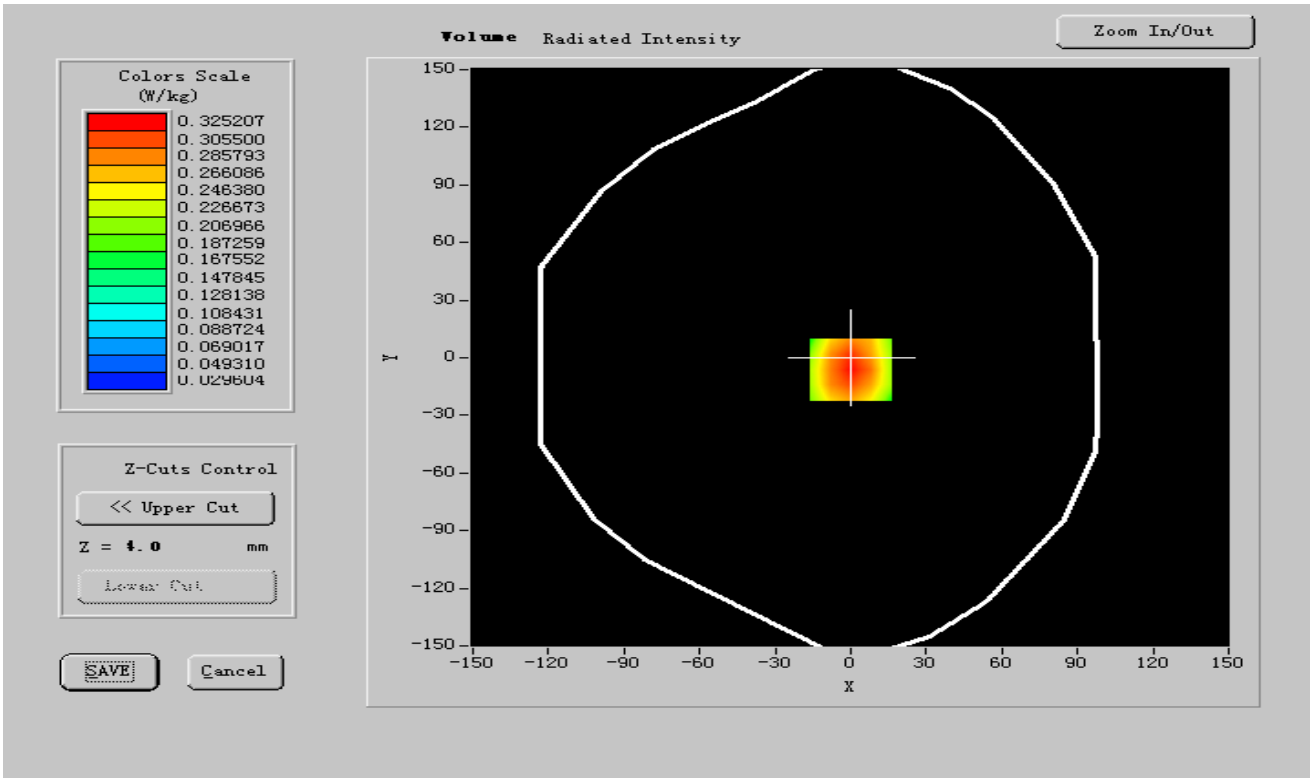
C. SAR Measurement Results

Frequency (MHz)	**2462.000000**
Relative permitivity (real part)	**51.536640**
Relative permitivity (imaginary part)	**13.380026**
Conductivity (S/m)	**1.959641**
Variation (%)	**-0.400000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**50.35,52.98,69.78**
Crest factor：	**1:1**

SURFACE SAR



VOLUME SAR

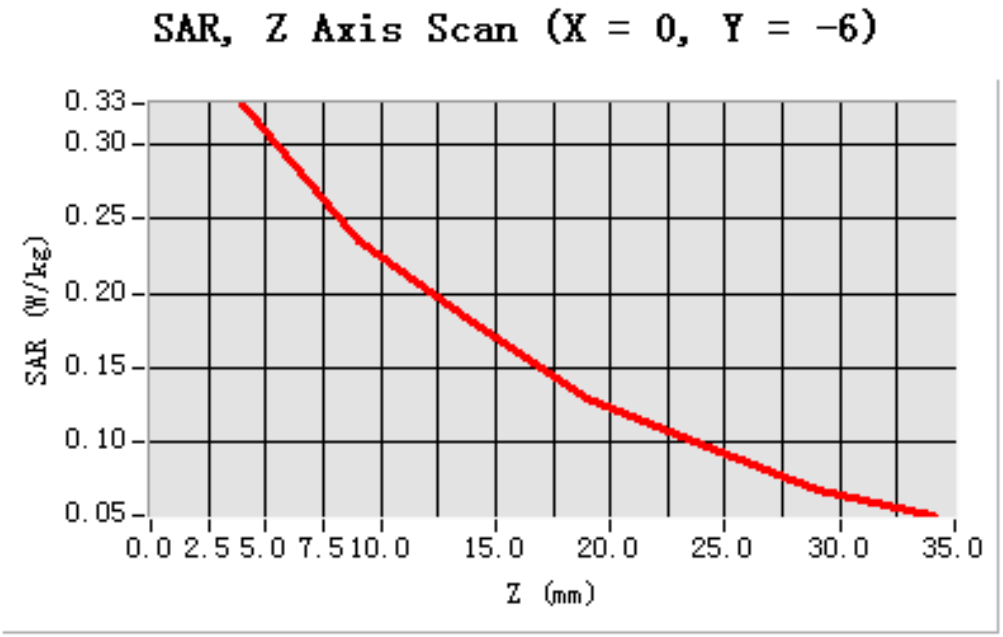


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.073654
SAR 1g (W/Kg)	0.092032

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



MEASUREMENT 4

Date of measurement: 24/9/2010

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	802.11b
Channels	Low
Signal	wireless

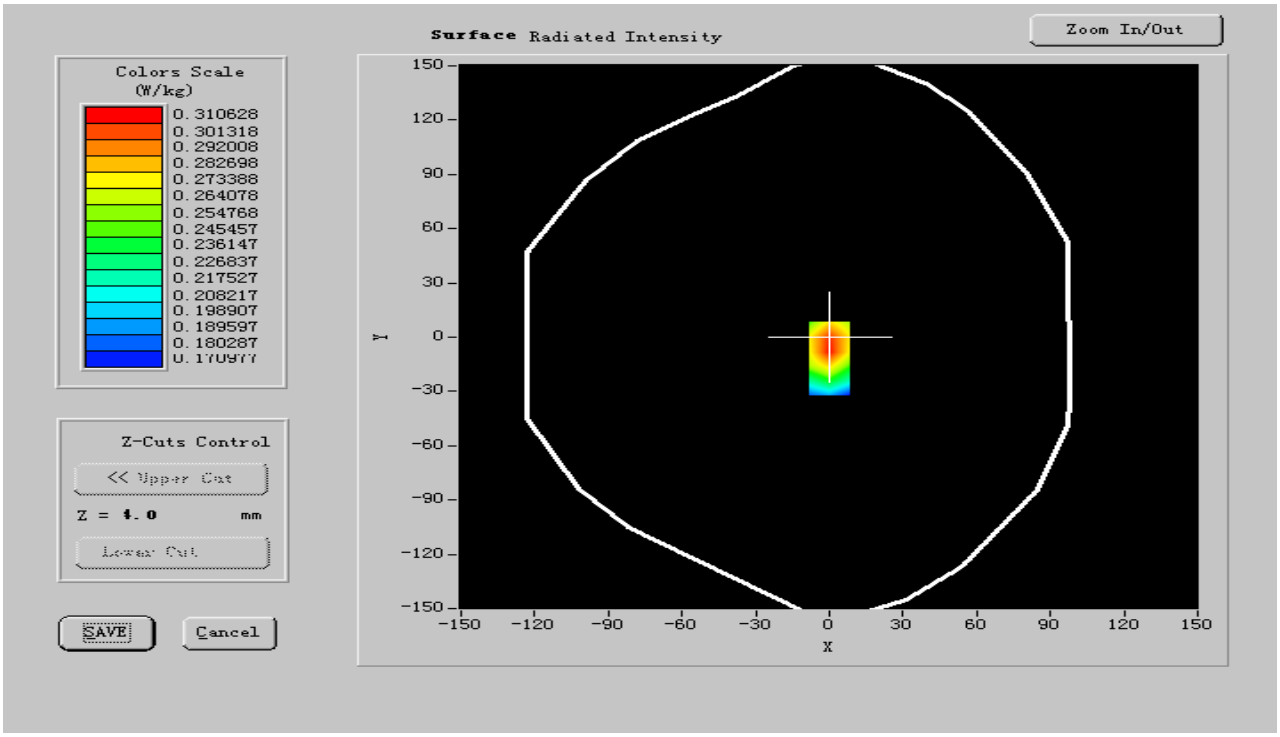
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 2450	**Antennessa (DIPJ37,SN 48/05)**	**Calibration Due: 10/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

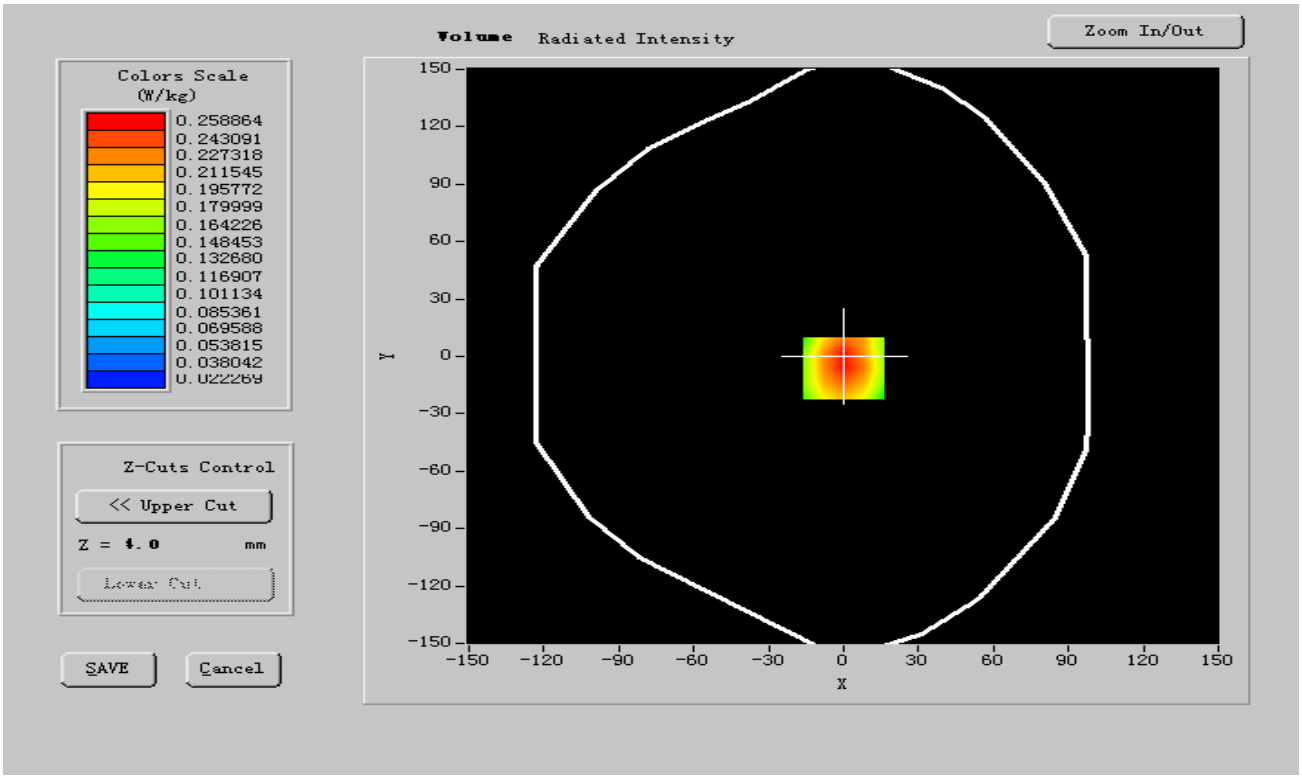
C. SAR Measurement Results

Frequency (MHz)	**2412.000000**
Relative permitivity (real part)	**51.520064**
Relative permitivity (imaginary part)	**13.370061**
Conductivity (S/m)	**1.965014**
Variation (%)	**-0.130000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**50.35,52.98,69.78**
Crest factor:	**1:1**

SURFACE SAR



VOLUME SAR

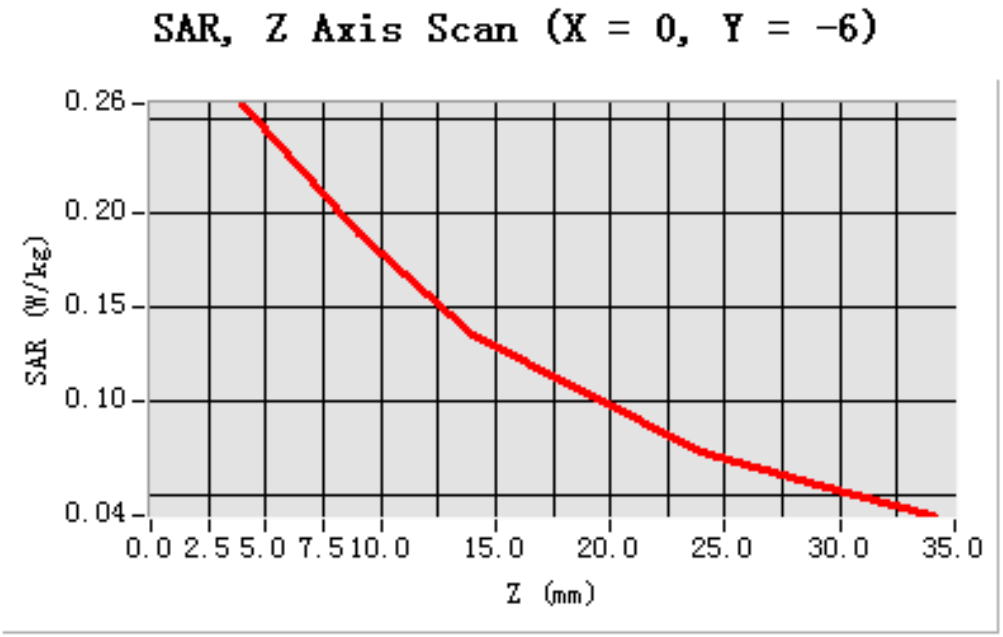


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.054100
SAR 1g (W/Kg)	0.084427

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



MEASUREMENT 5

Date of measurement: 24/9/2010

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	802.11b
Channels	Middle
Signal	wireless

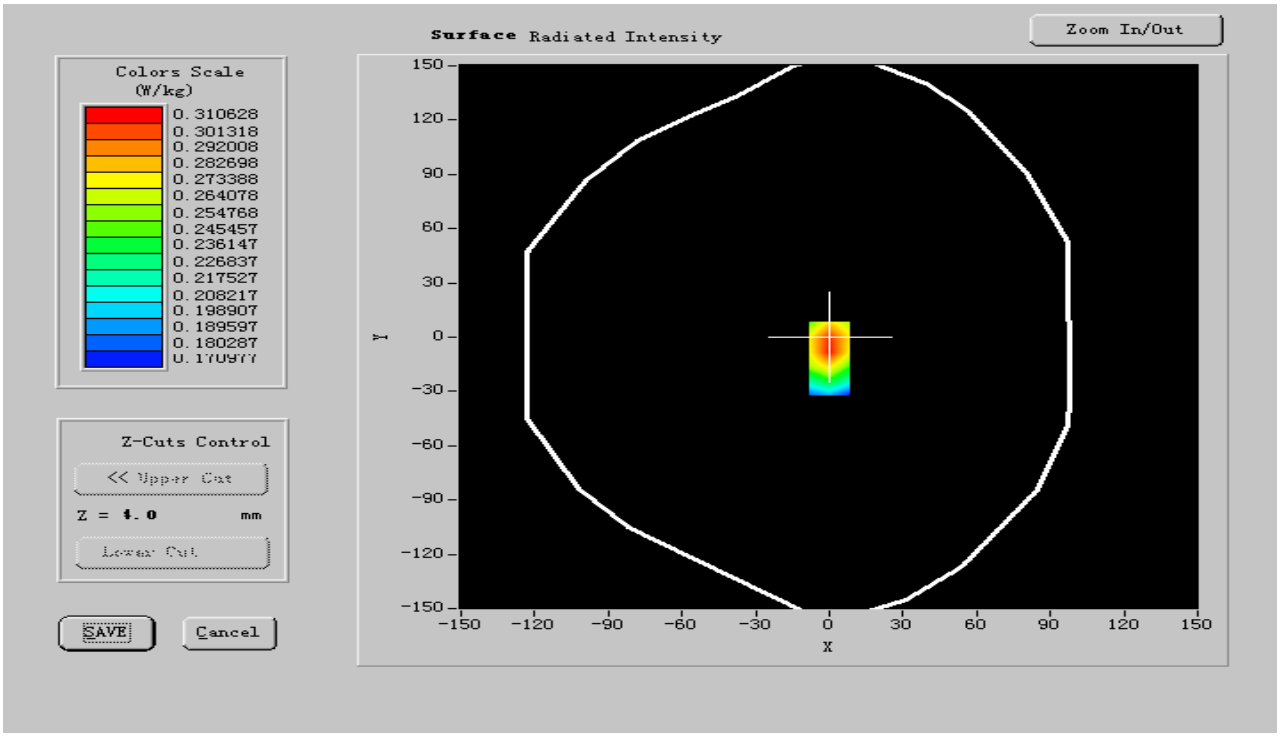
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 2450	**Antennessa (DIPJ37,SN 48/05)**	**Calibration Due: 10/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

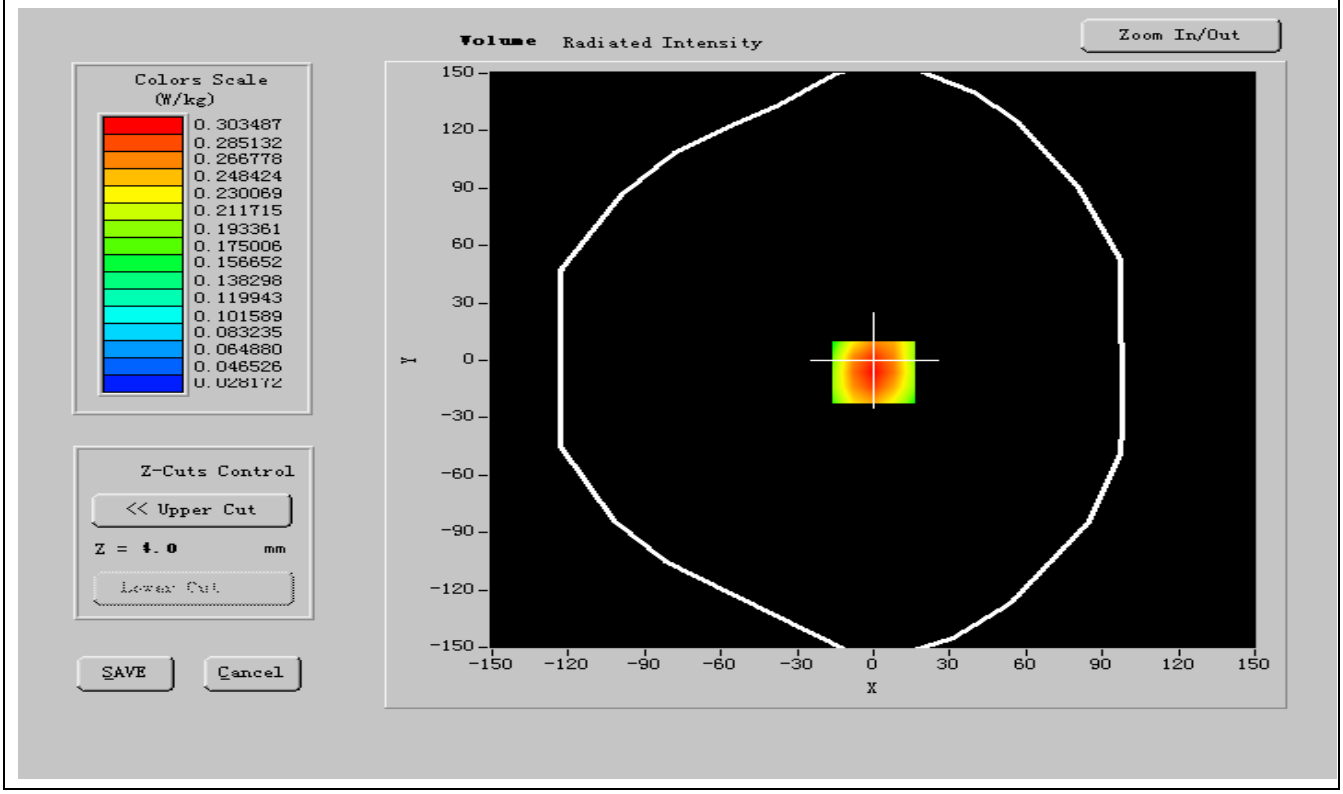
C. SAR Measurement Results

Frequency (MHz)	**2437.000000**
Relative permitivity (real part)	**51.530000**
Relative permitivity (imaginary part)	**13.400011**
Conductivity (S/m)	**1.960210**
Variation (%)	**-0.600000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**50.35,52.98,69.78**
Crest factor:	**1:1**

SURFACE SAR



VOLUME SAR

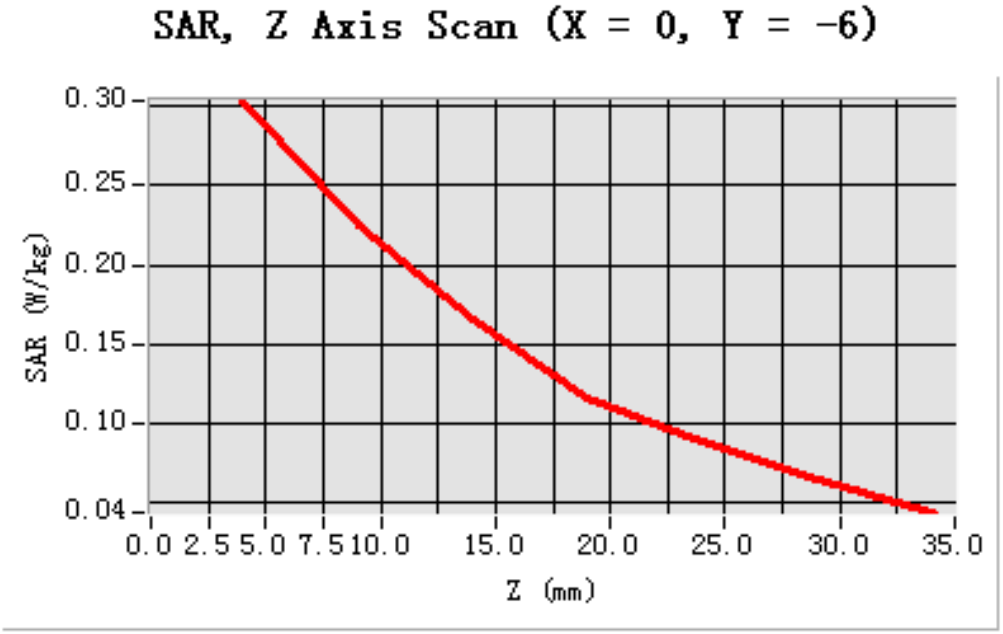


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.066745
SAR 1g (W/Kg)	0.113426

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



MEASUREMENT 6

Date of measurement: 24/9/2010

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	802.11b
Channels	High
Signal	wireless

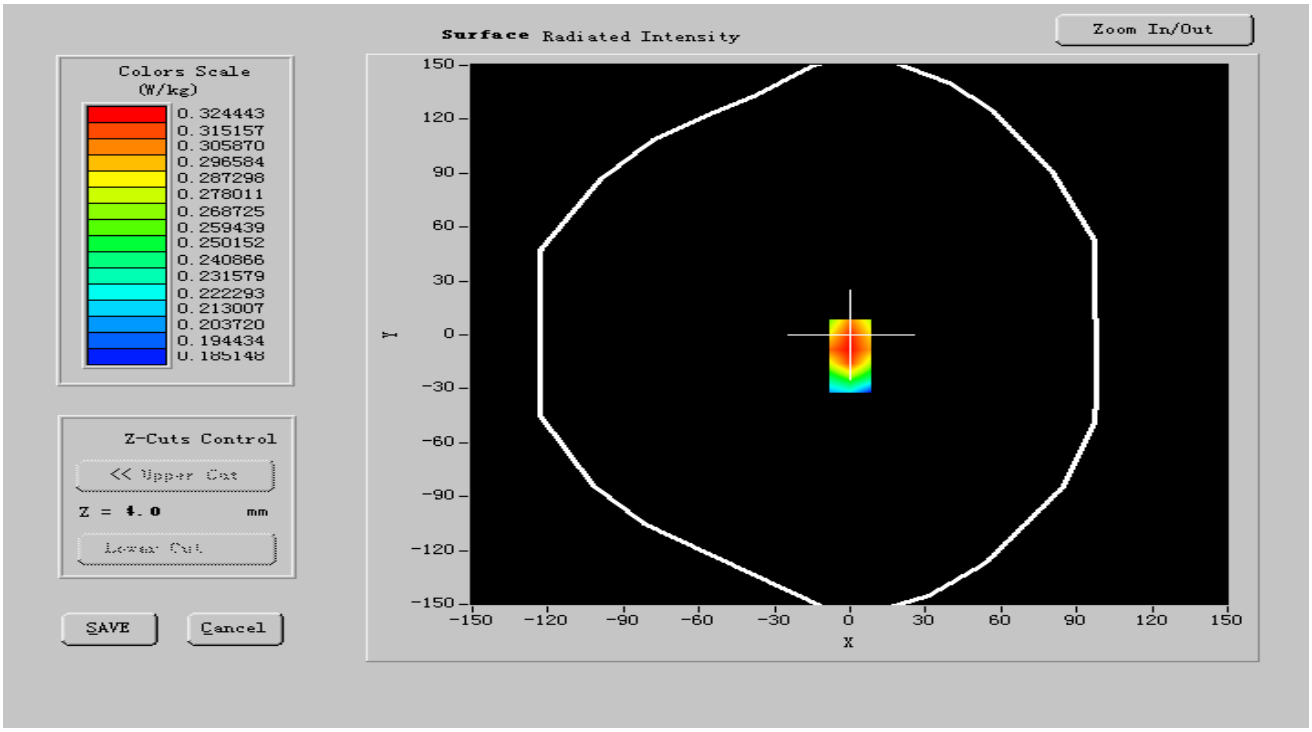
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: 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: 05/04/2011**
DIPOLE 2450	**Antennessa (DIPJ37,SN 48/05)**	**Calibration Due: 10/09/2011**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

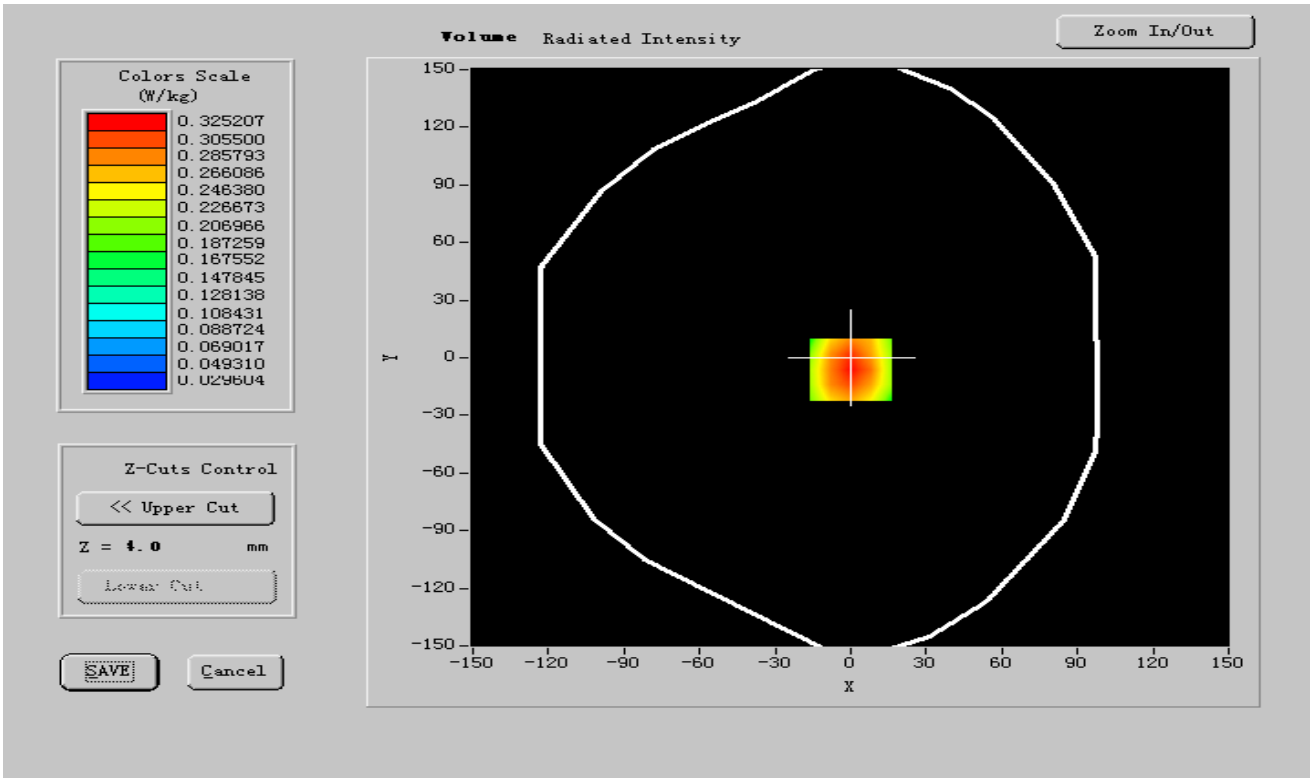
C. SAR Measurement Results

Frequency (MHz)	**2462.000000**
Relative permitivity (real part)	**51.536640**
Relative permitivity (imaginary part)	**13.380026**
Conductivity (S/m)	**1.959641**
Variation (%)	**-0.400000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20 °C**
ConvF:	**50.35,52.98,69.78**
Crest factor:	**1:1**

SURFACE SAR



VOLUME SAR



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

SAR 10g (W/Kg)	0.074565
SAR 1g (W/Kg)	0.098435

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