I. 850MHz Band RESULTS

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

MEASUREMENT 1

Date of measurement: 30/8/2010

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

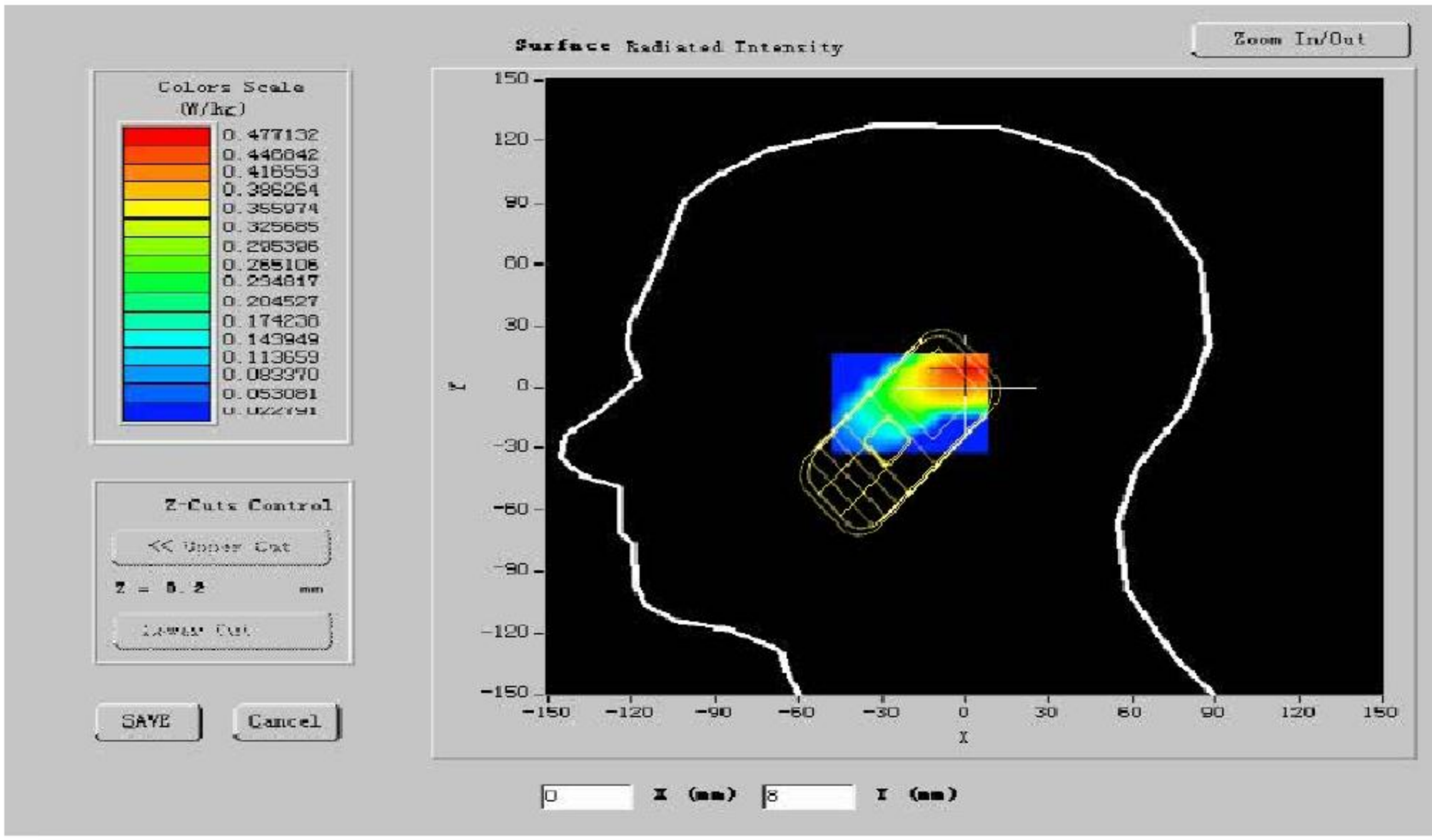
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibrated: 06/17/2010**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibrated: 08/07/2010**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibrated: 05/01/2010**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibrated: 08/07/2010**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibrated: 07/29/2010**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibrated: 07/29/2010**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibrated: 05/05/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibrated: 12/10/2010**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

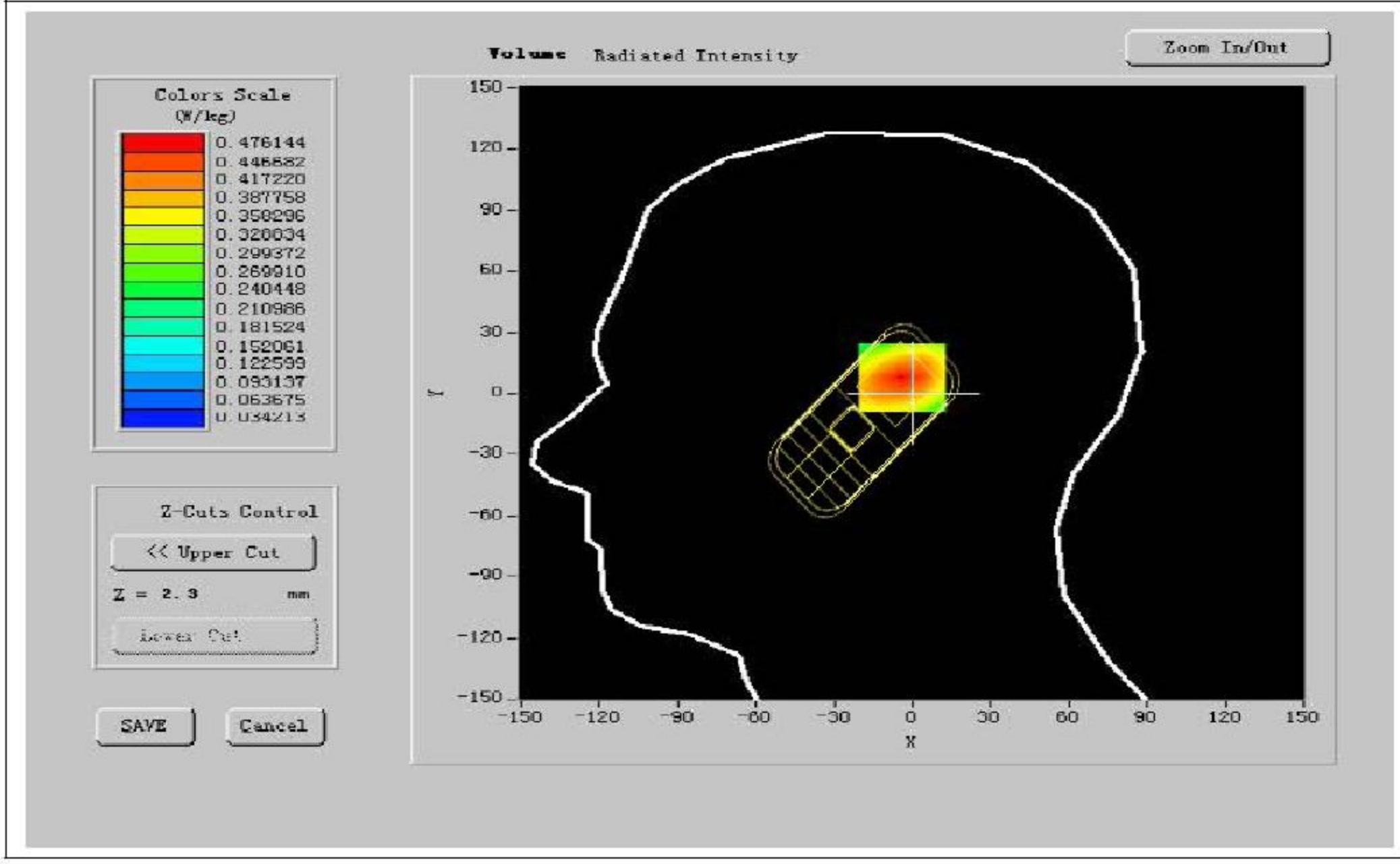
C. SAR Measurement Results

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

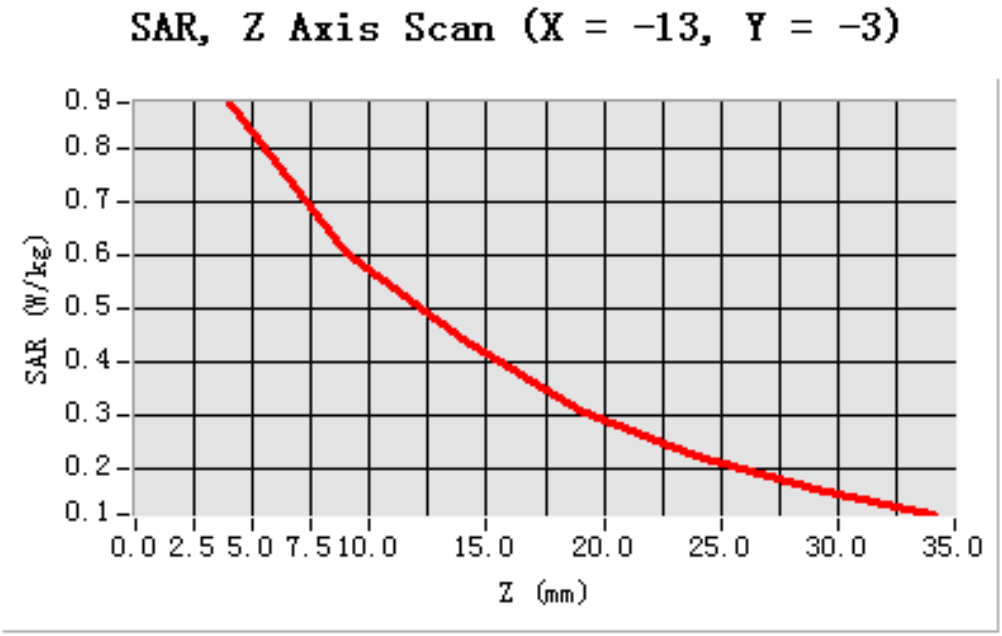


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.544232
SAR 1g (W/Kg)	0.849195

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: 30/8/2010

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

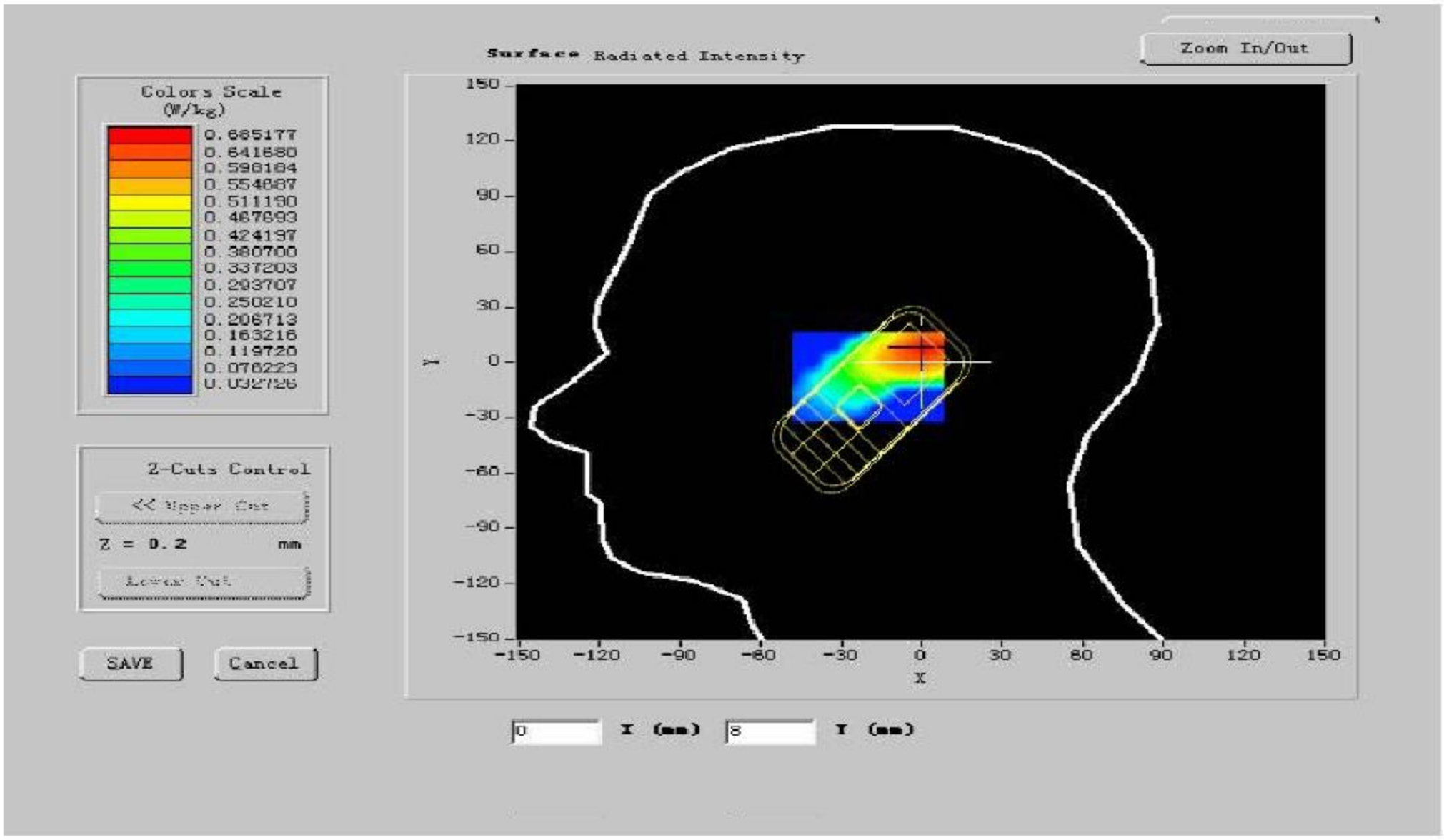
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibrated: 06/17/2010**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibrated: 08/07/2010**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibrated: 05/01/2010**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibrated: 08/07/2010**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibrated: 07/29/2010**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibrated: 07/29/2010**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibrated: 05/05/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibrated: 12/10/2010**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

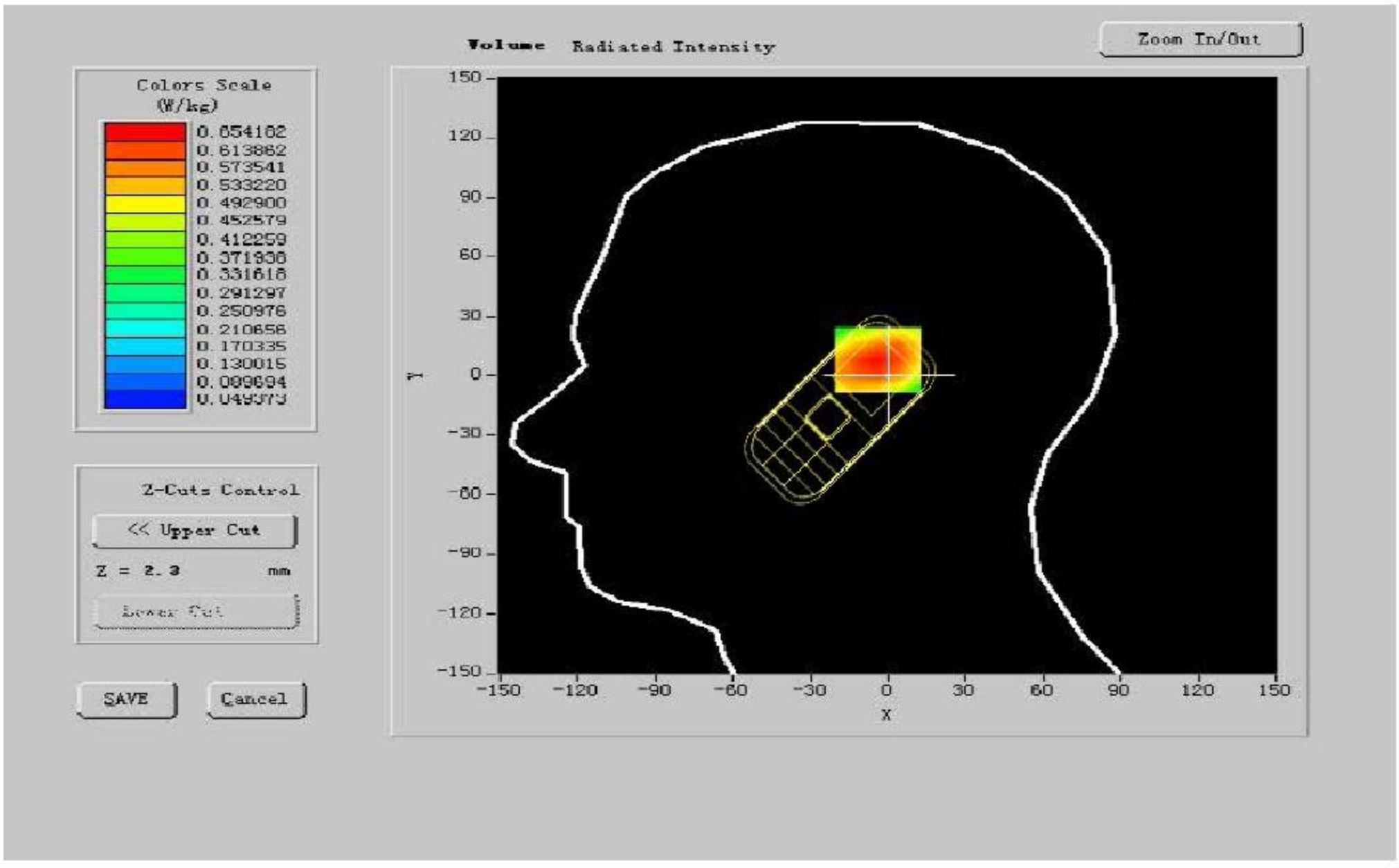
C. SAR Measurement Results

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

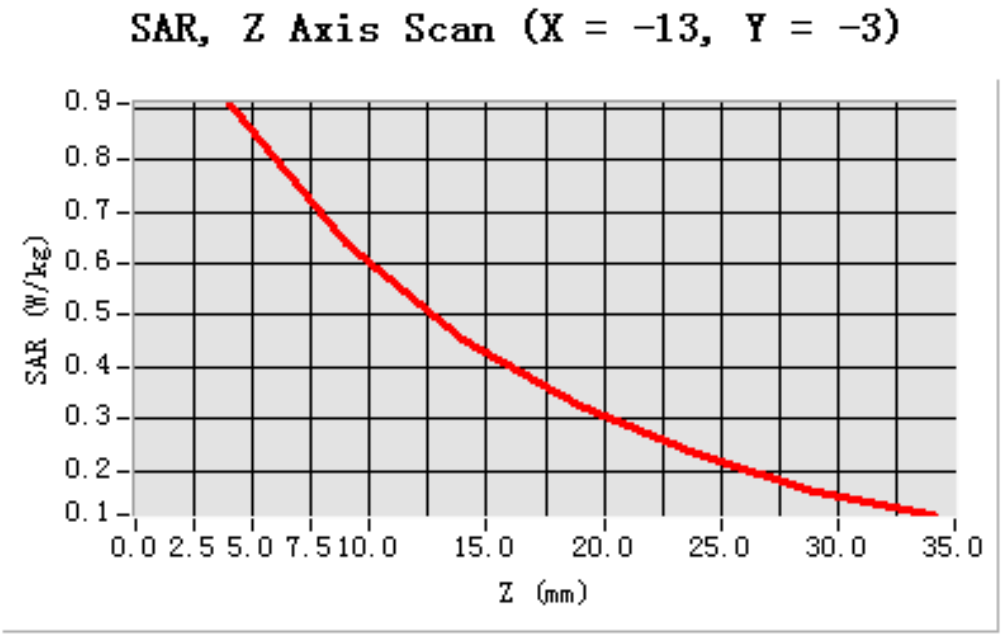


Maximum location: X=-13.00, Y=-3.00

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: 30/8/2010

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

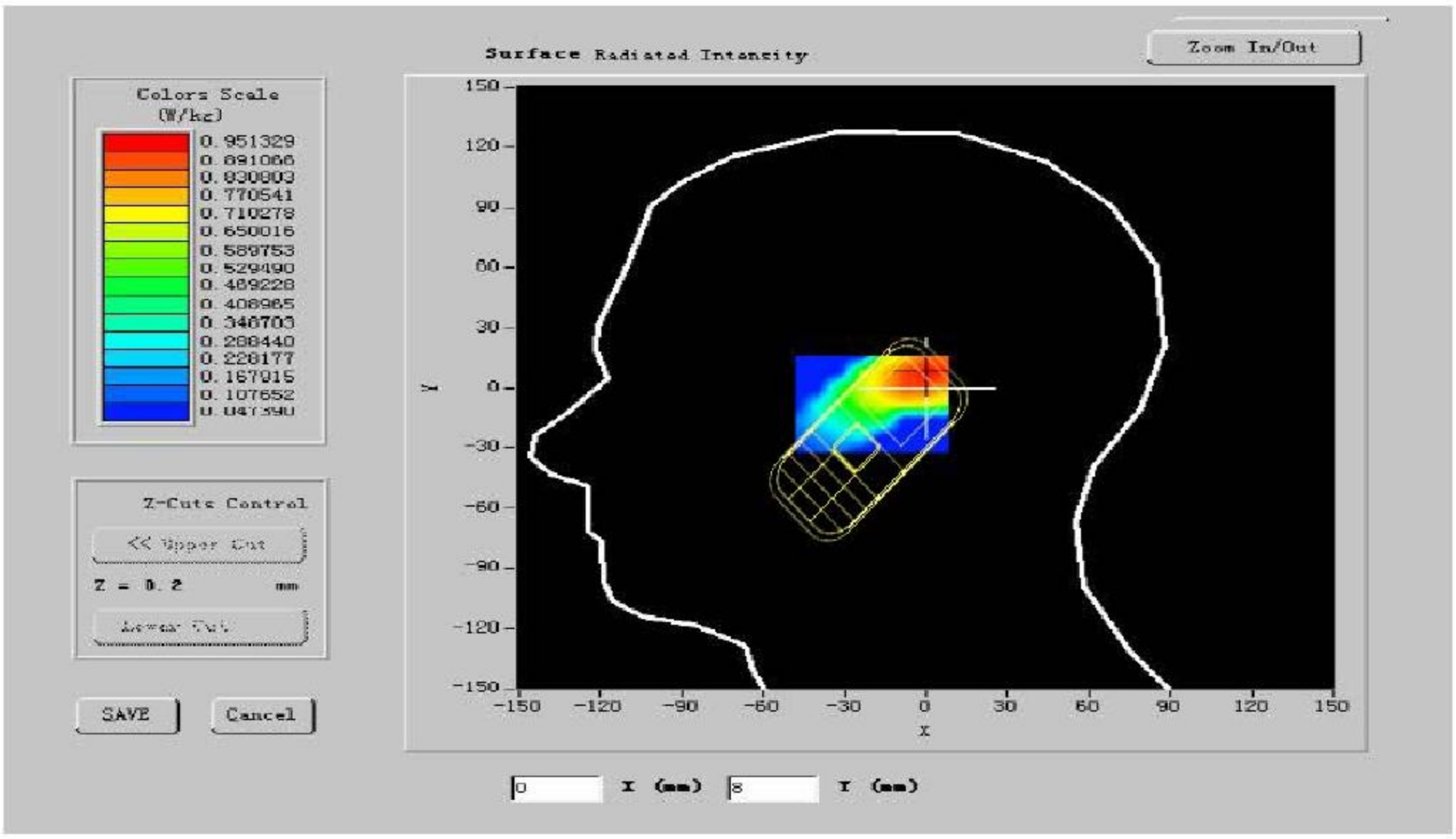
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibrated: 06/17/2010**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibrated: 08/07/2010**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibrated: 05/01/2010**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibrated: 08/07/2010**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibrated: 07/29/2010**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibrated: 07/29/2010**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibrated: 05/05/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibrated: 12/10/2010**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

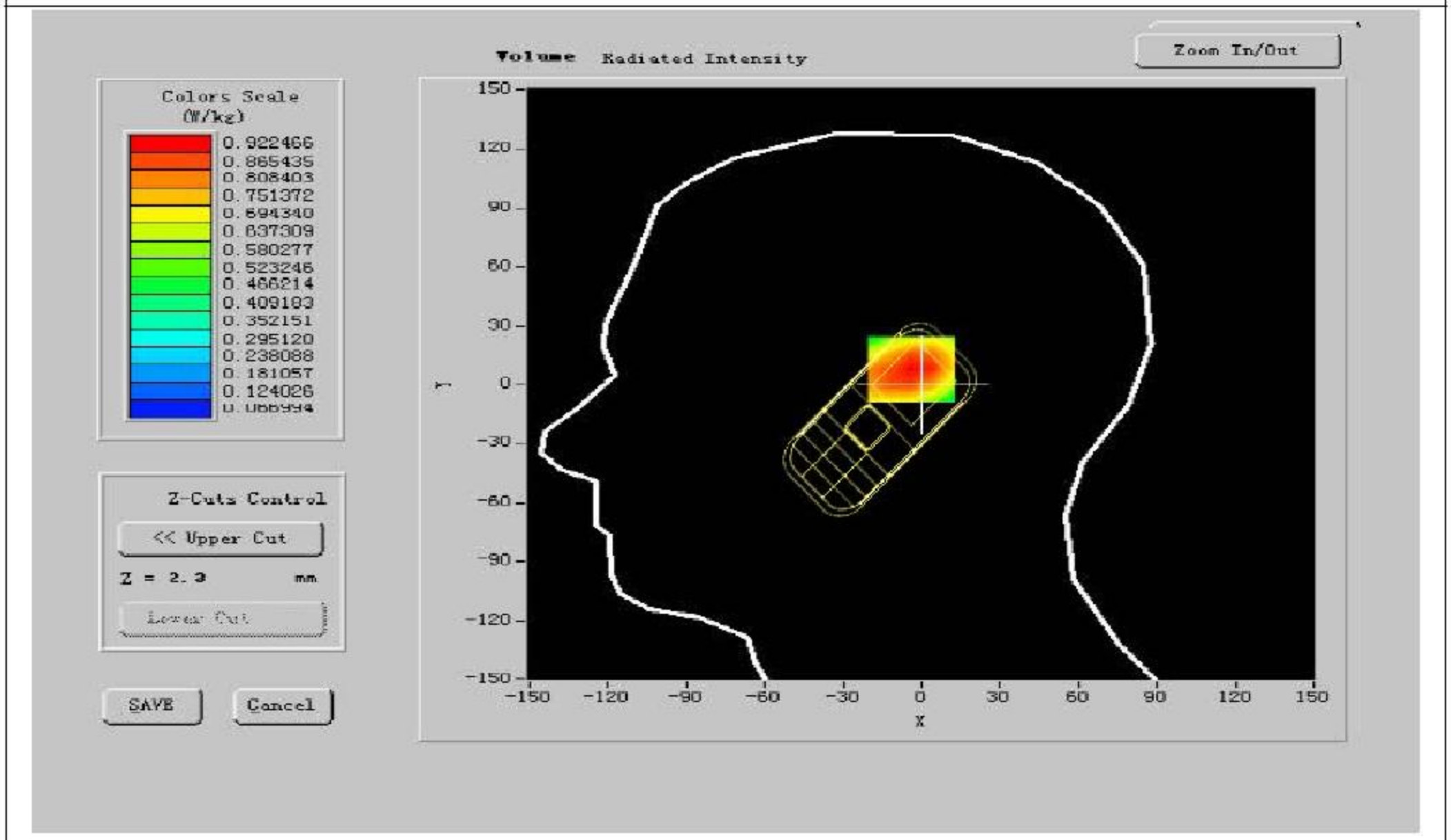
C. SAR Measurement Results

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

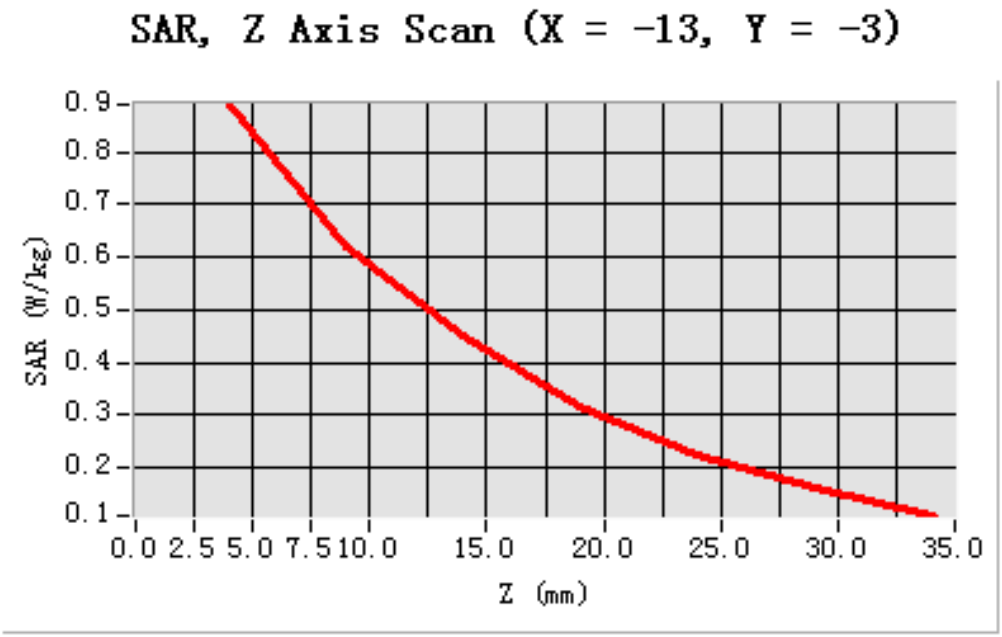


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.555620
SAR 1g (W/Kg)	0.844465

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: 30/8/2010

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

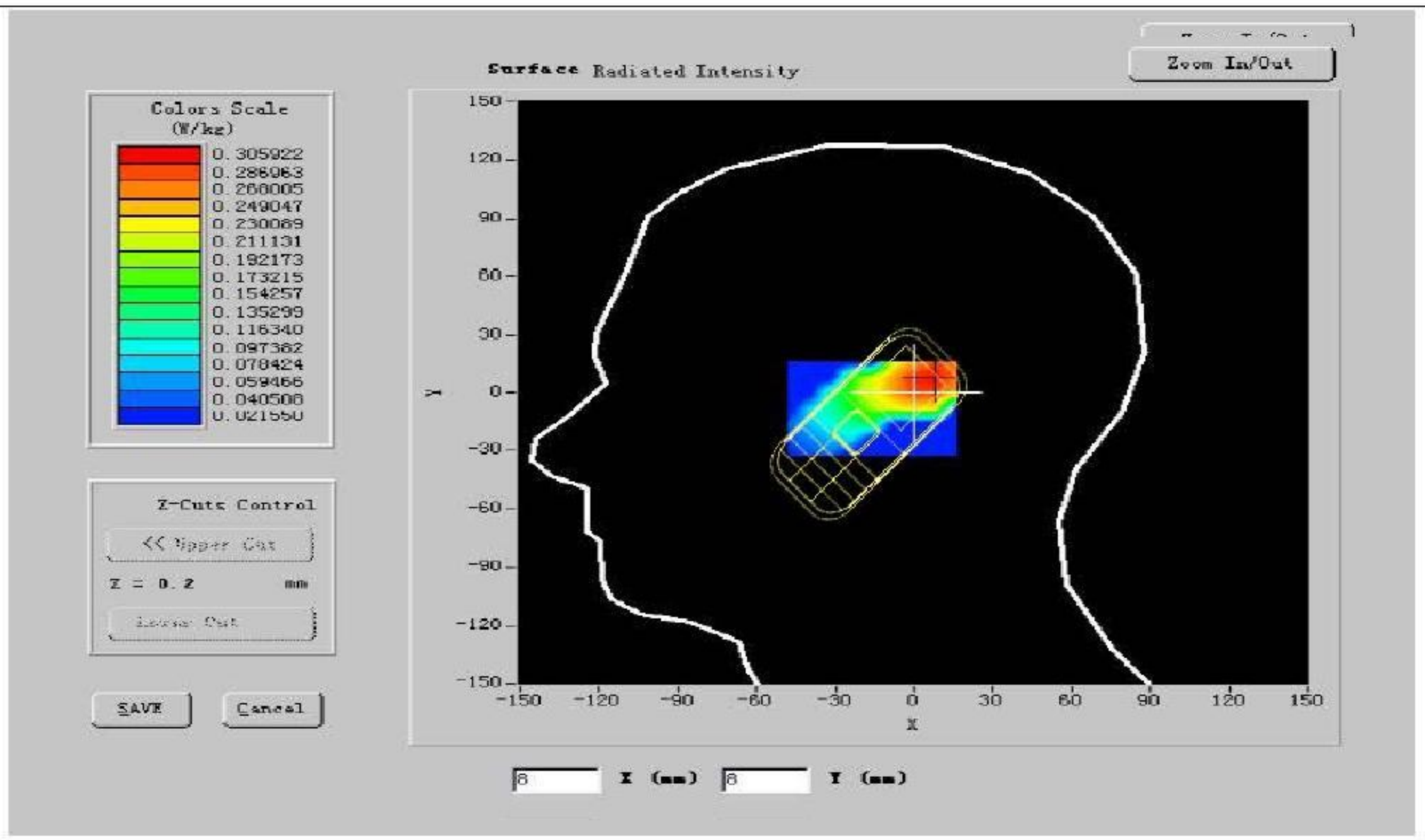
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibrated: 06/17/2010**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibrated: 08/07/2010**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibrated: 05/01/2010**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibrated: 08/07/2010**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibrated: 07/29/2010**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibrated: 07/29/2010**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibrated: 05/05/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibrated: 12/10/2010**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

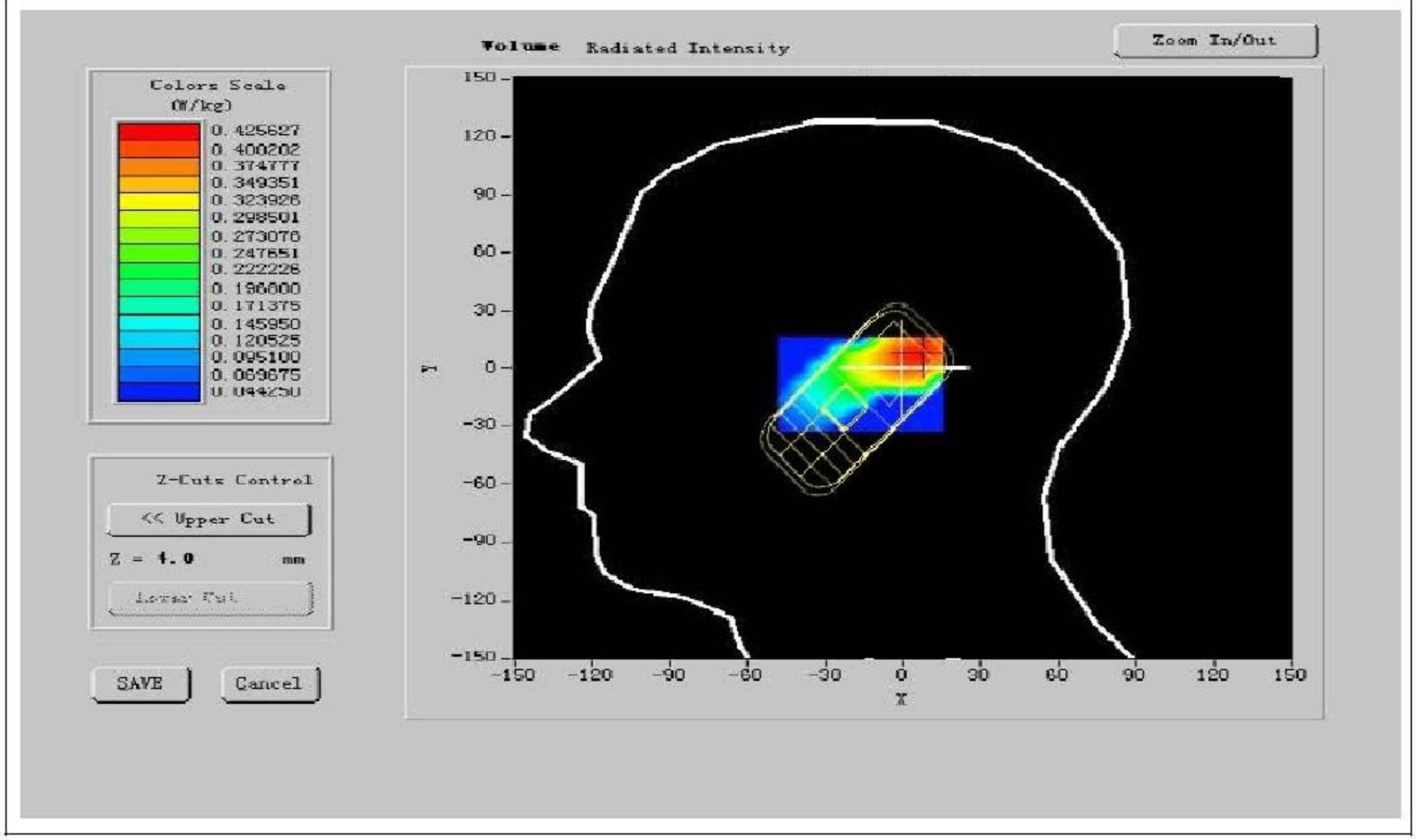
C. SAR Measurement Results

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

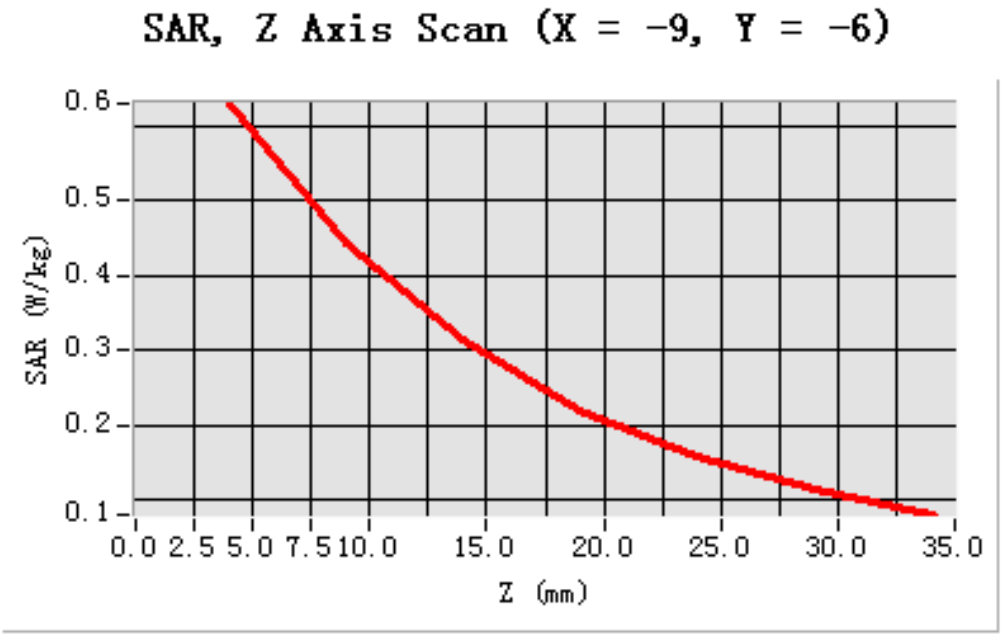


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.365920
SAR 1g (W/Kg)	0.575698

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: 30/8/2010

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

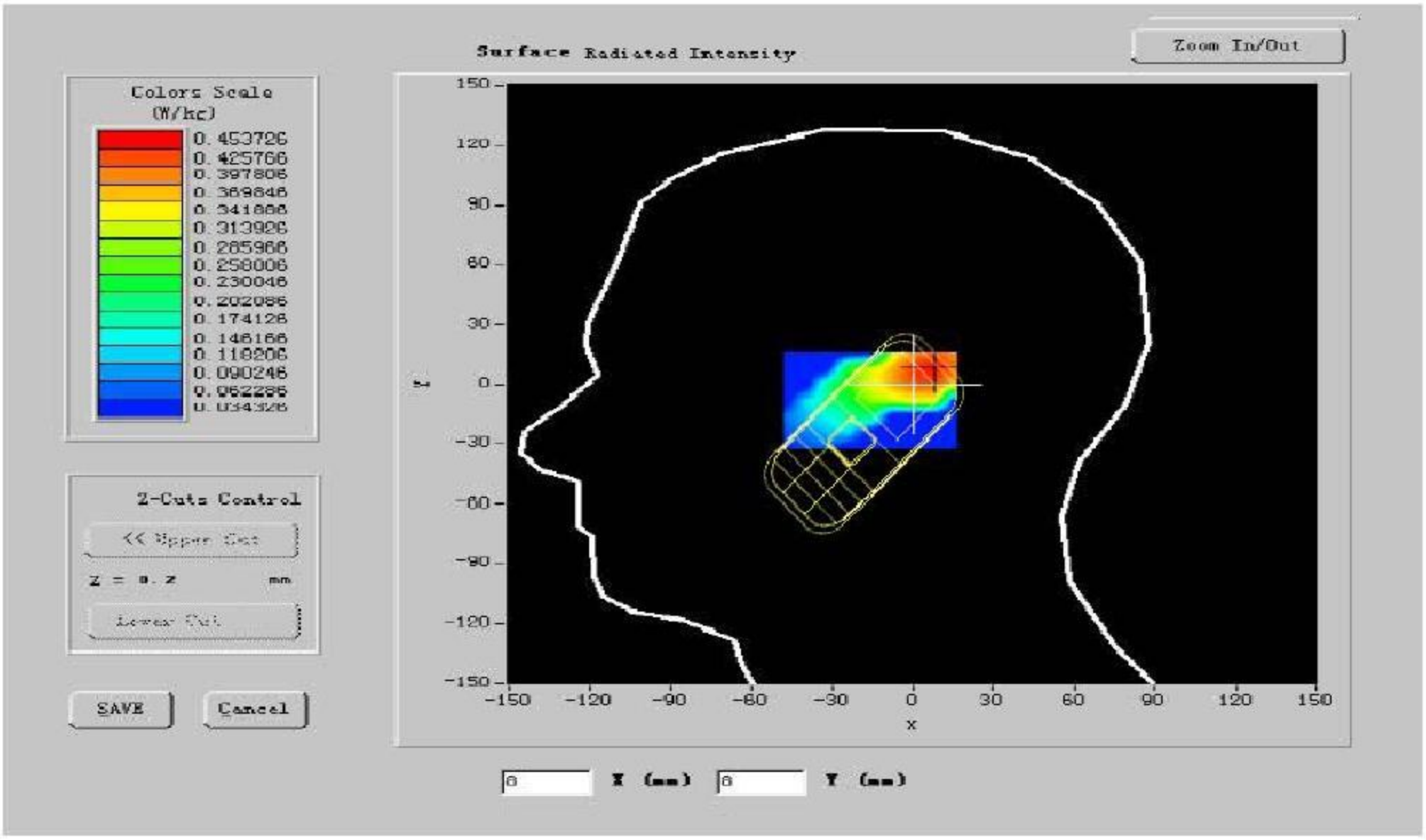
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibrated: 06/17/2010**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibrated: 08/07/2010**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibrated: 05/01/2010**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibrated: 08/07/2010**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibrated: 07/29/2010**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibrated: 07/29/2010**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibrated: 05/05/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibrated: 12/10/2010**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

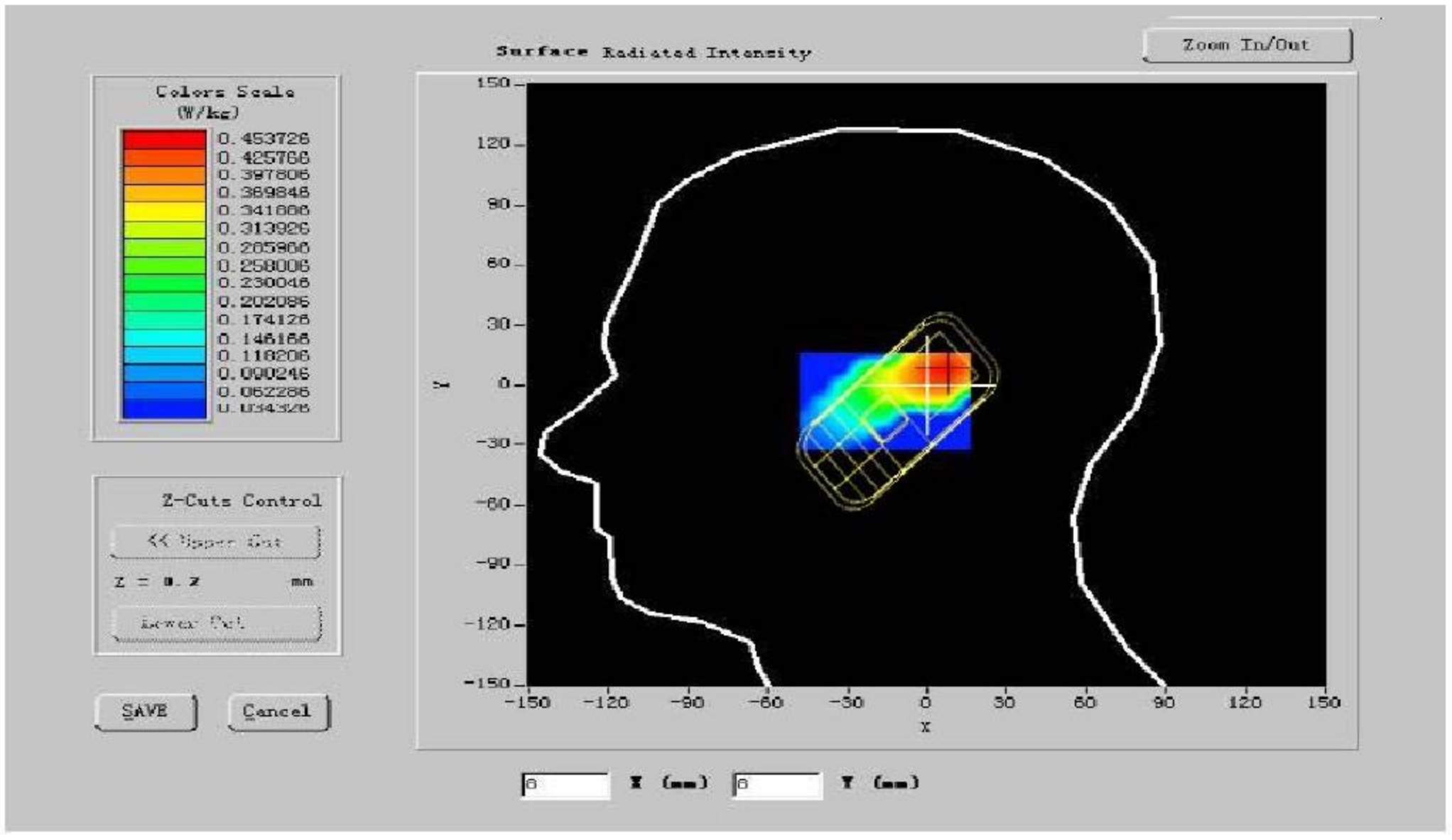
C. SAR Measurement Results

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

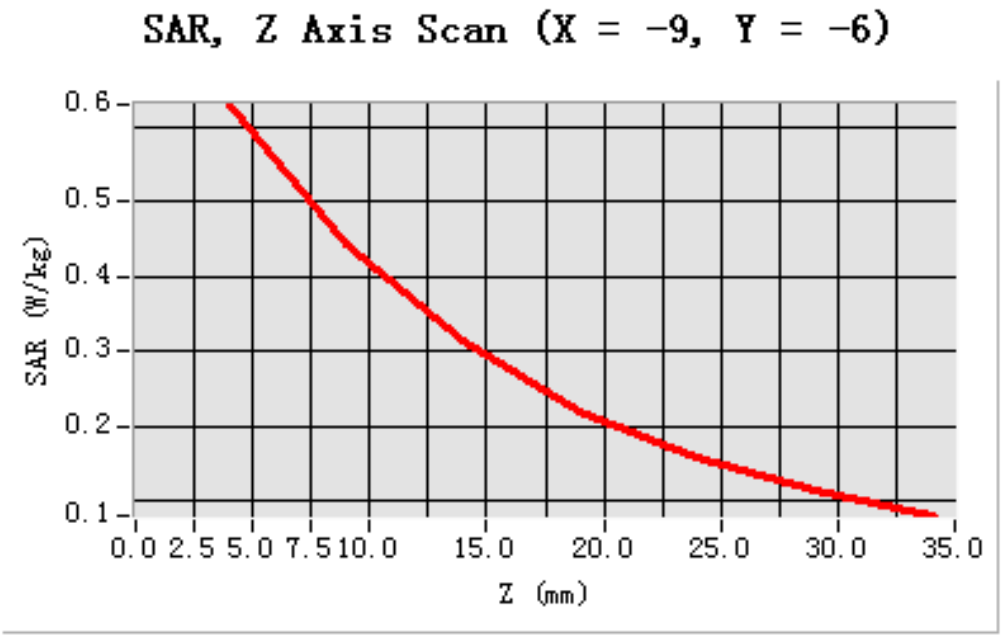


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.412358
SAR 1g (W/Kg)	0.592981

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: 30/8/2010

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

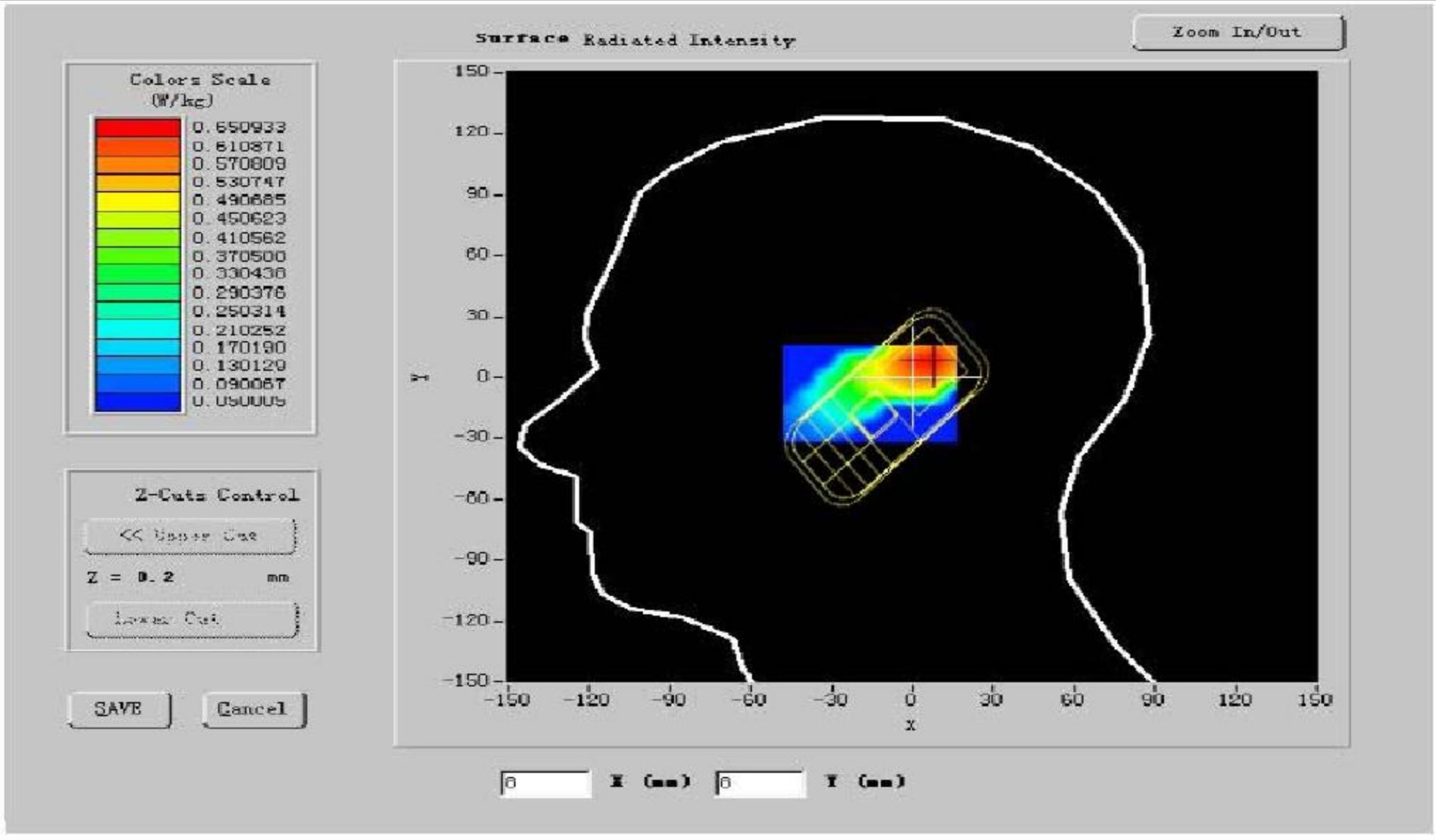
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibrated: 06/17/2010**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibrated: 08/07/2010**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibrated: 05/01/2010**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibrated: 08/07/2010**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibrated: 07/29/2010**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibrated: 07/29/2010**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibrated: 05/05/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibrated: 12/10/2010**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

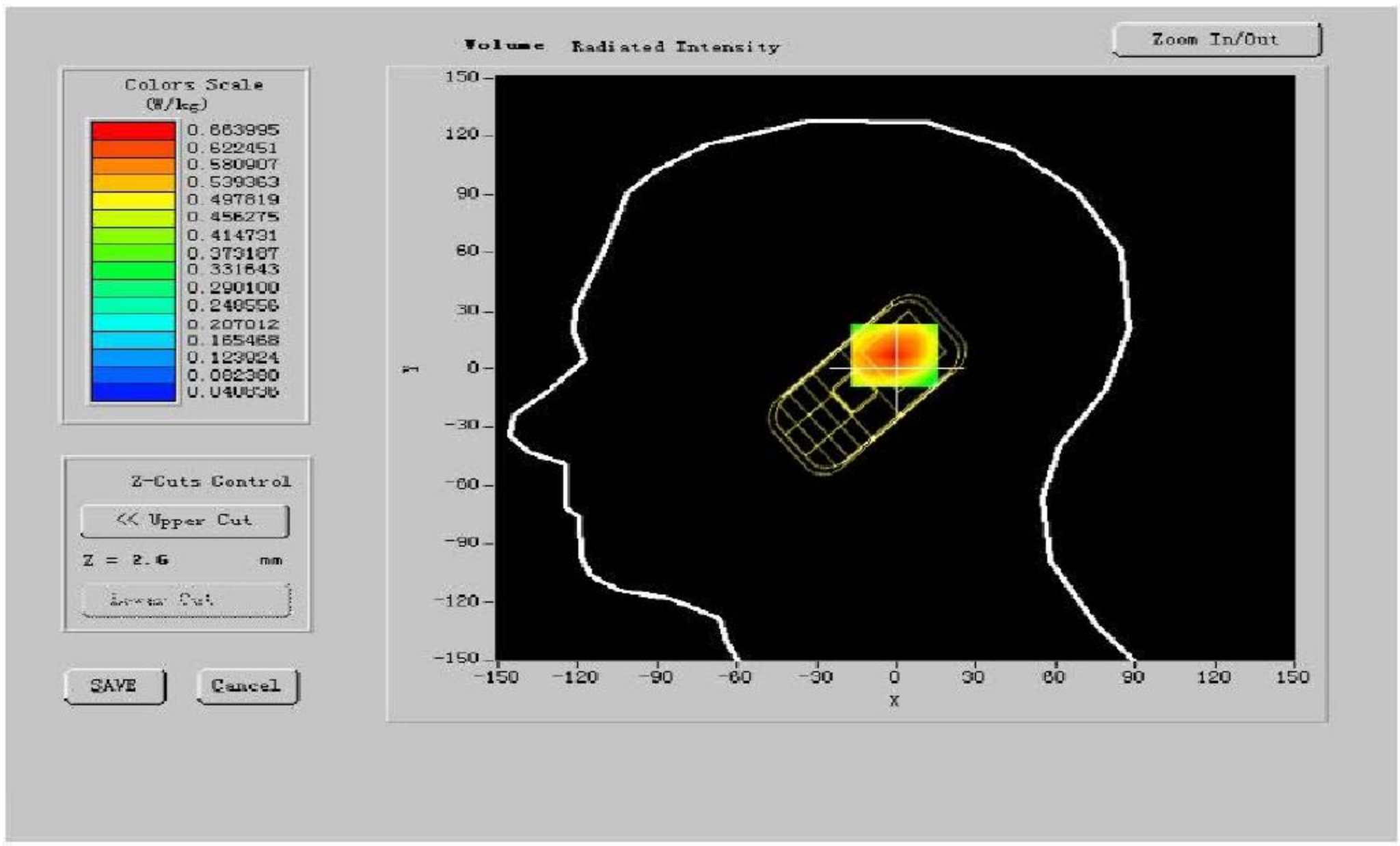
C. SAR Measurement Results

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

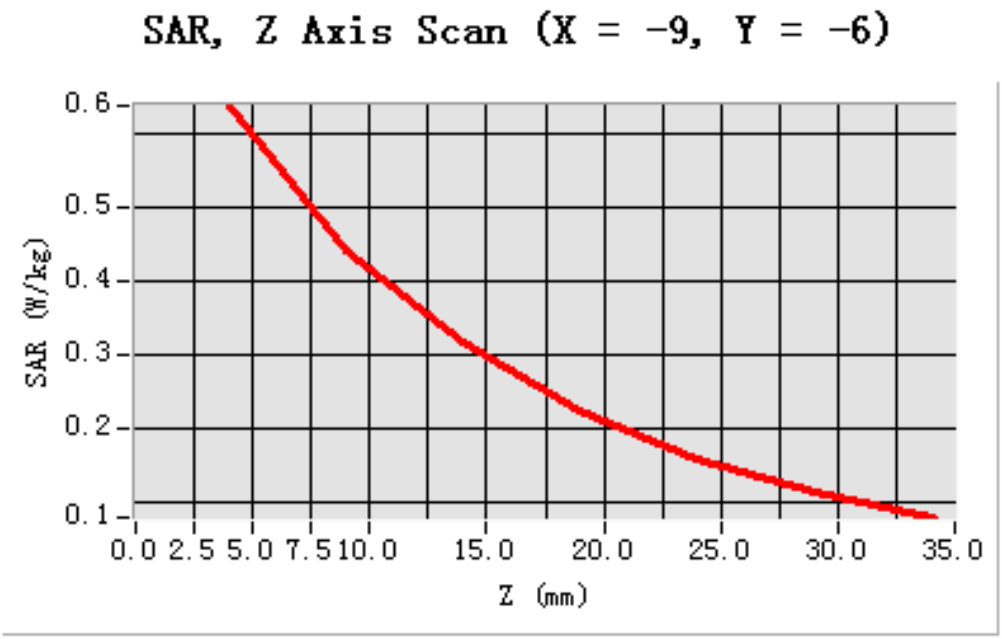


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.416354
SAR 1g (W/Kg)	0.599428

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: 30/8/2010

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

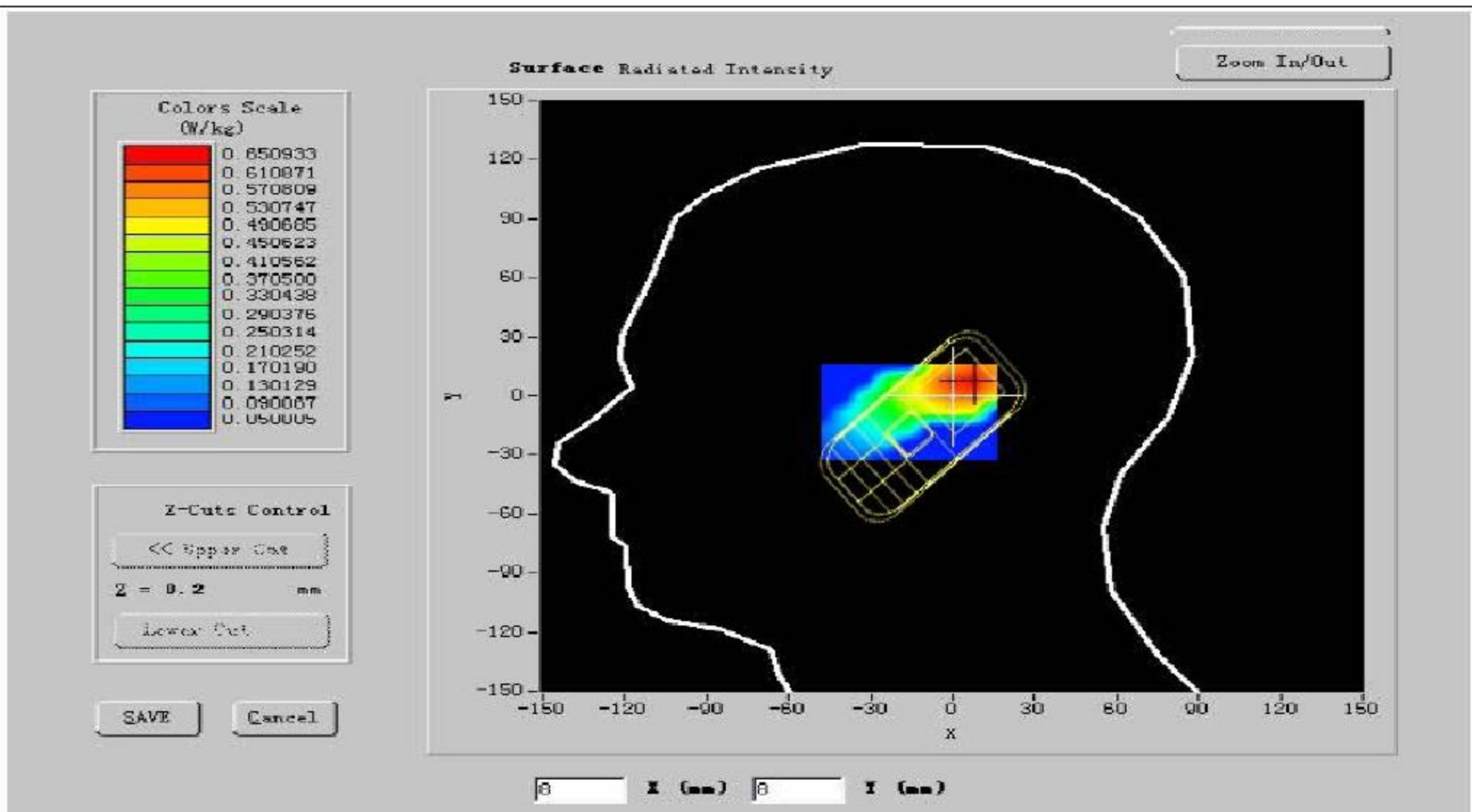
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibrated: 06/17/2010**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibrated: 08/07/2010**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibrated: 05/01/2010**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibrated: 08/07/2010**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibrated: 07/29/2010**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibrated: 07/29/2010**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibrated: 05/05/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibrated: 12/10/2010**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

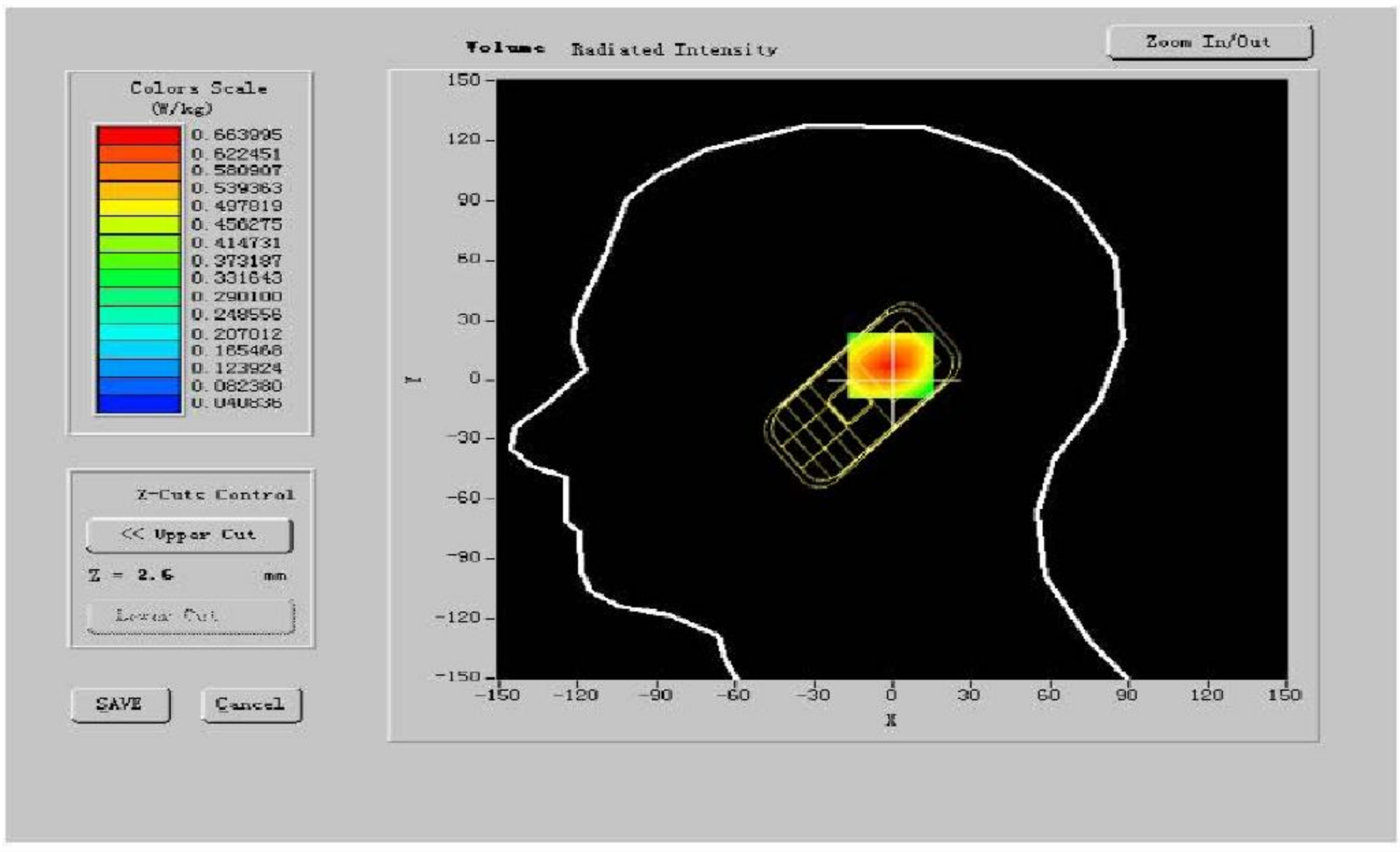
C. SAR Measurement Results

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

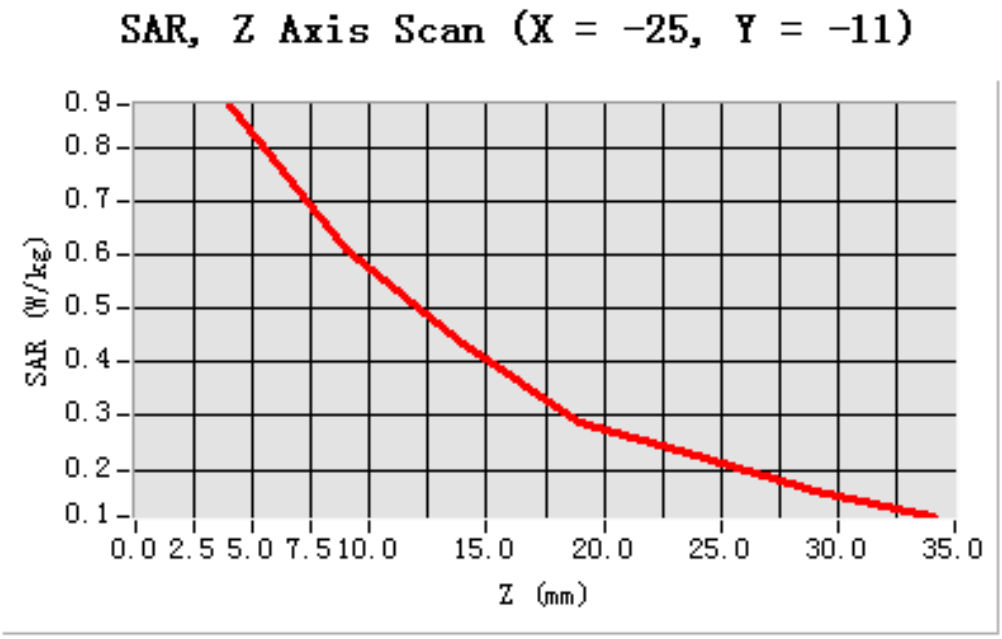


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.536541
SAR 1g (W/Kg)	0.839028

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: 30/8/2010

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

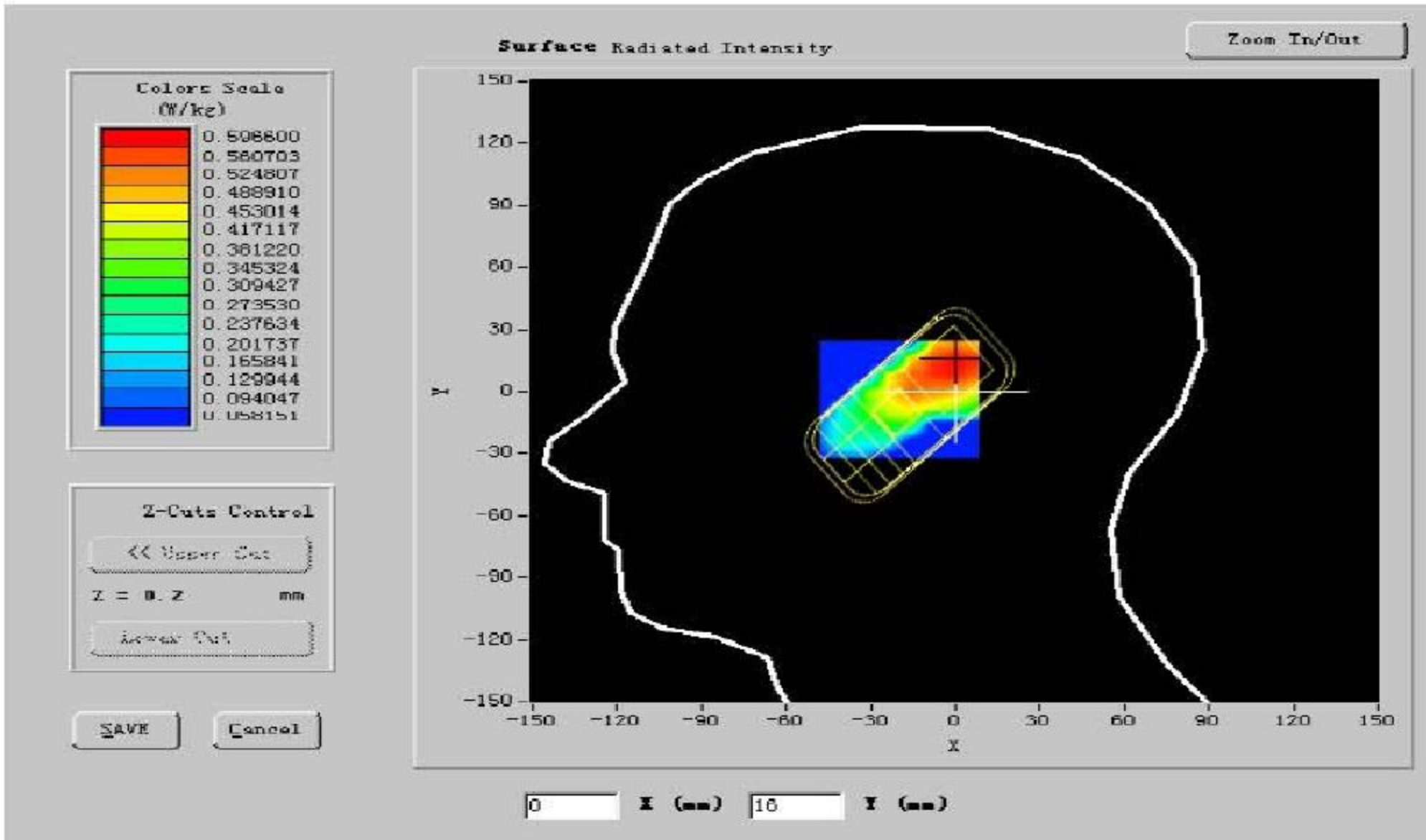
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibrated: 06/17/2010**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibrated: 08/07/2010**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibrated: 05/01/2010**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibrated: 08/07/2010**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibrated: 07/29/2010**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibrated: 07/29/2010**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibrated: 05/05/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibrated: 12/10/2010**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

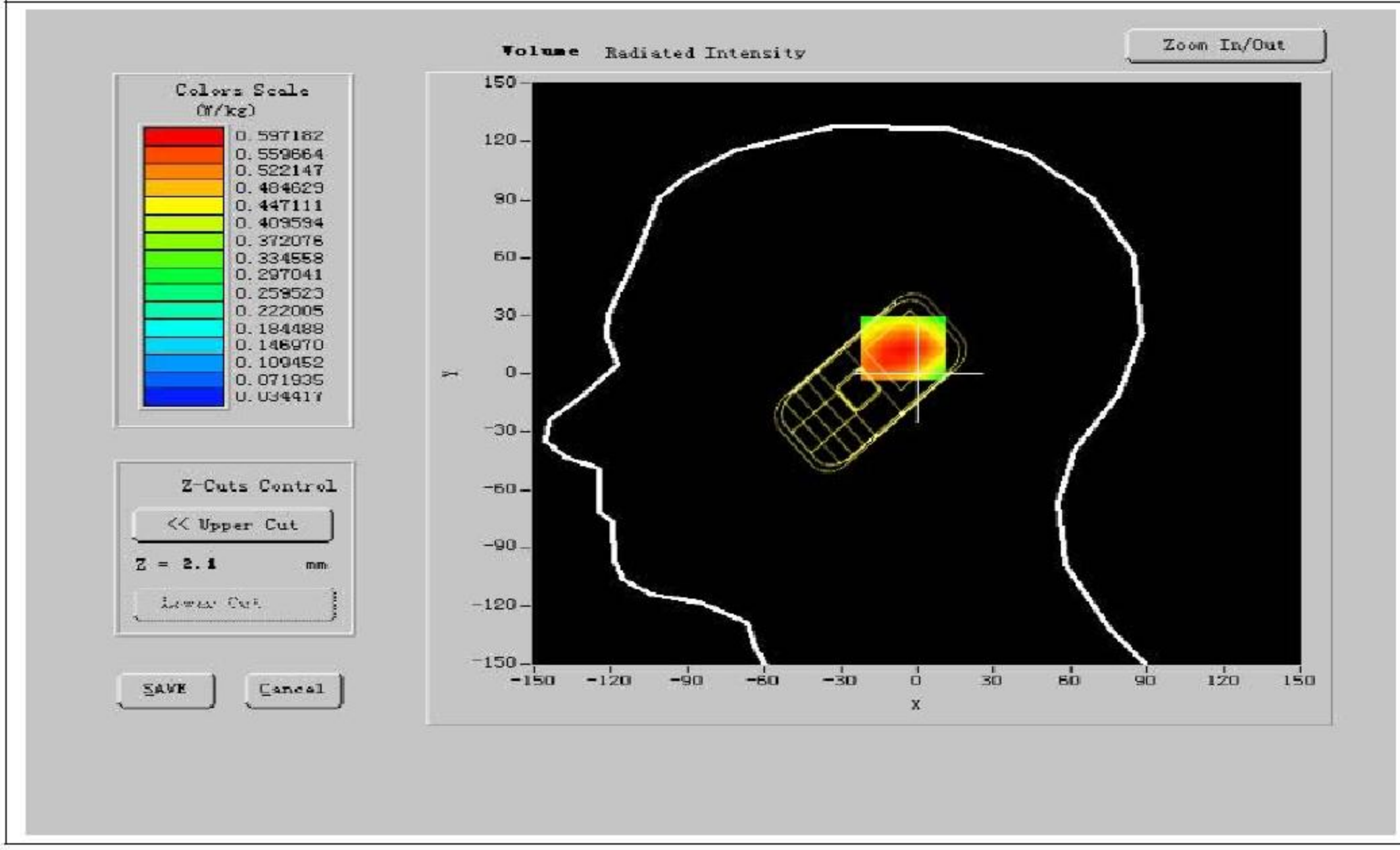
C. SAR Measurement Results

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

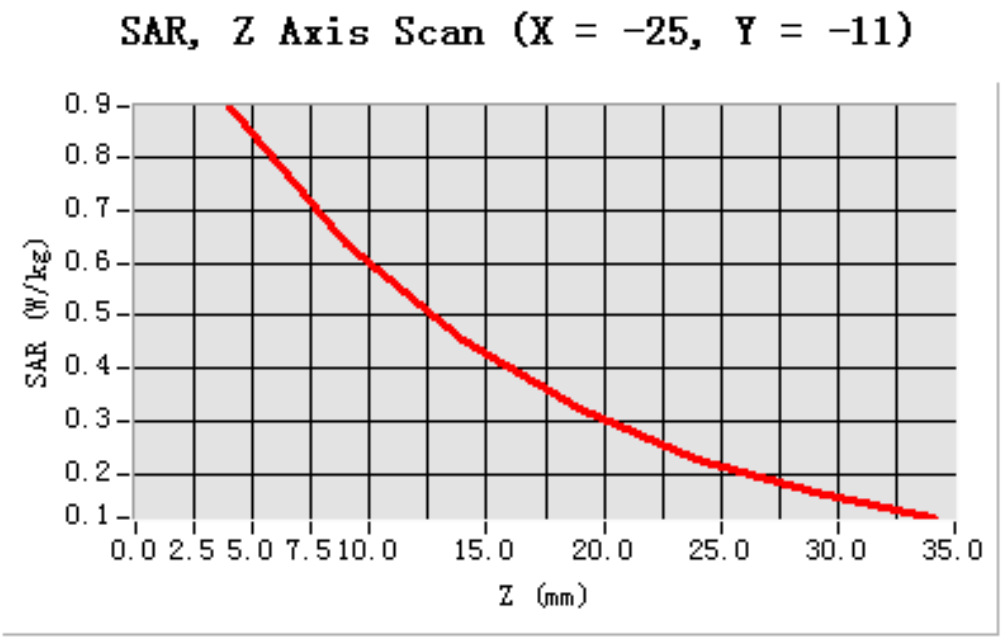


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.559310
SAR 1g (W/Kg)	0.850731

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: 30/8/2010

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

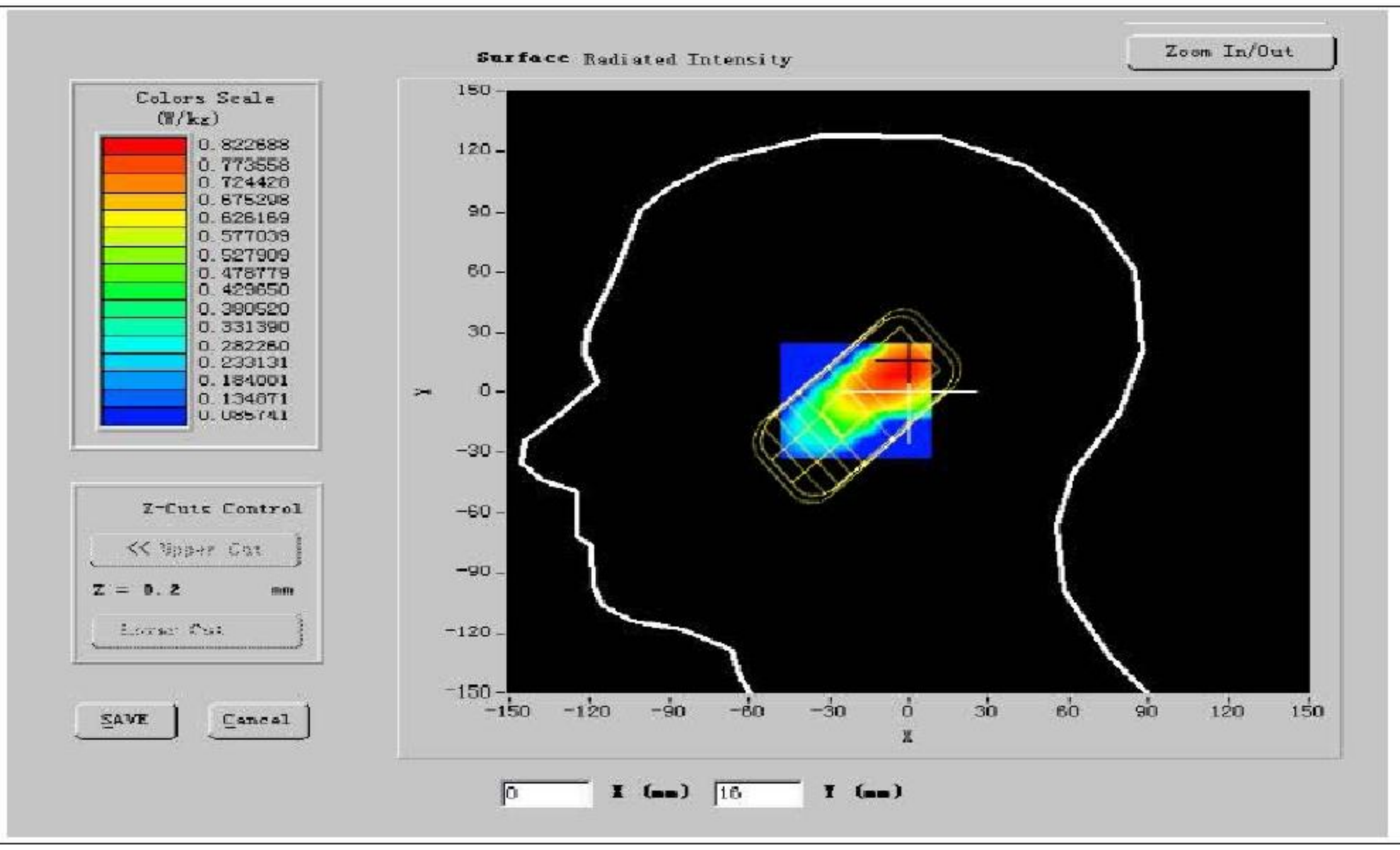
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibrated: 06/17/2010**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibrated: 08/07/2010**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibrated: 05/01/2010**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibrated: 08/07/2010**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibrated: 07/29/2010**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibrated: 07/29/2010**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibrated: 05/05/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibrated: 12/10/2010**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

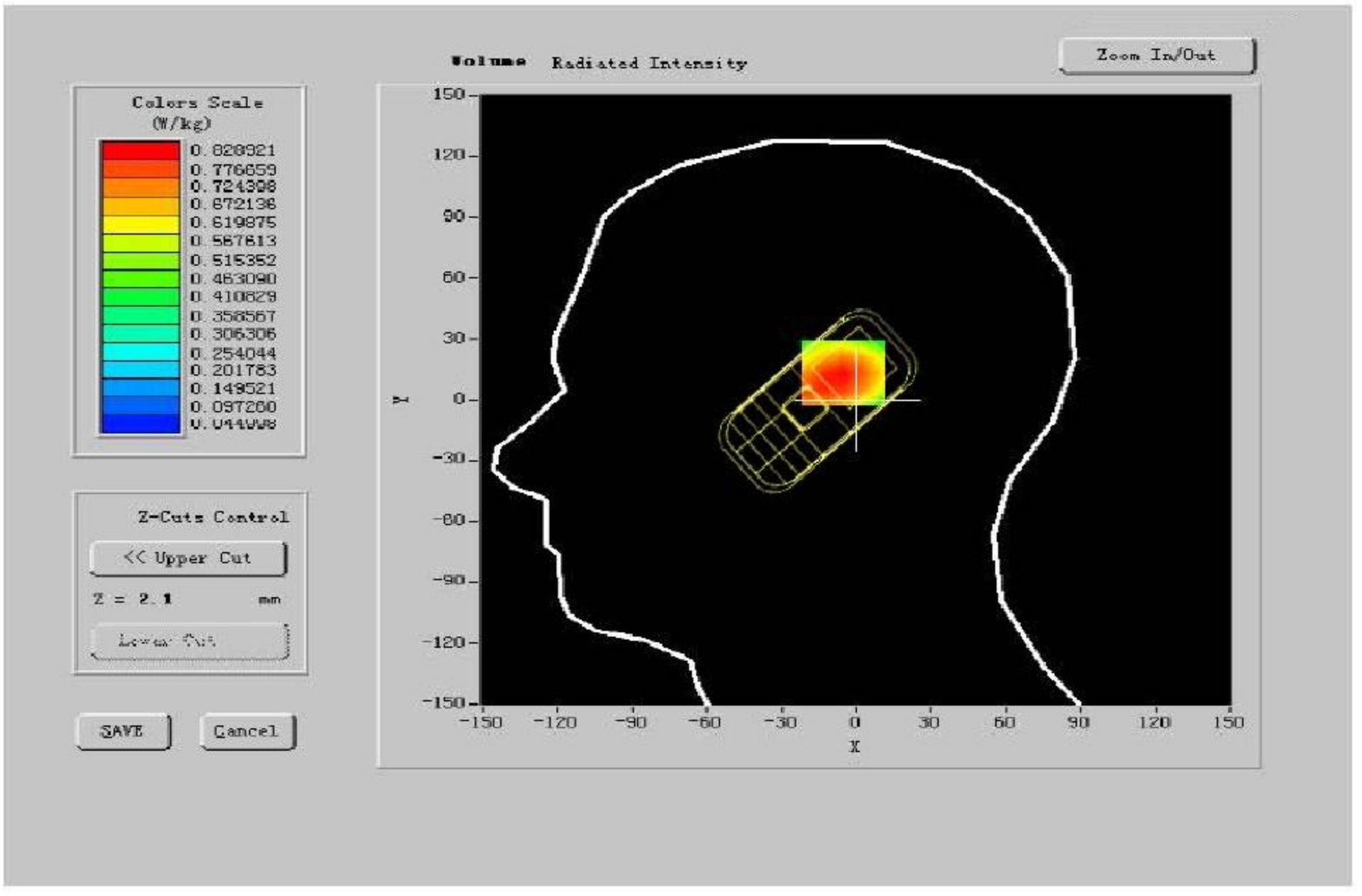
C. SAR Measurement Results

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

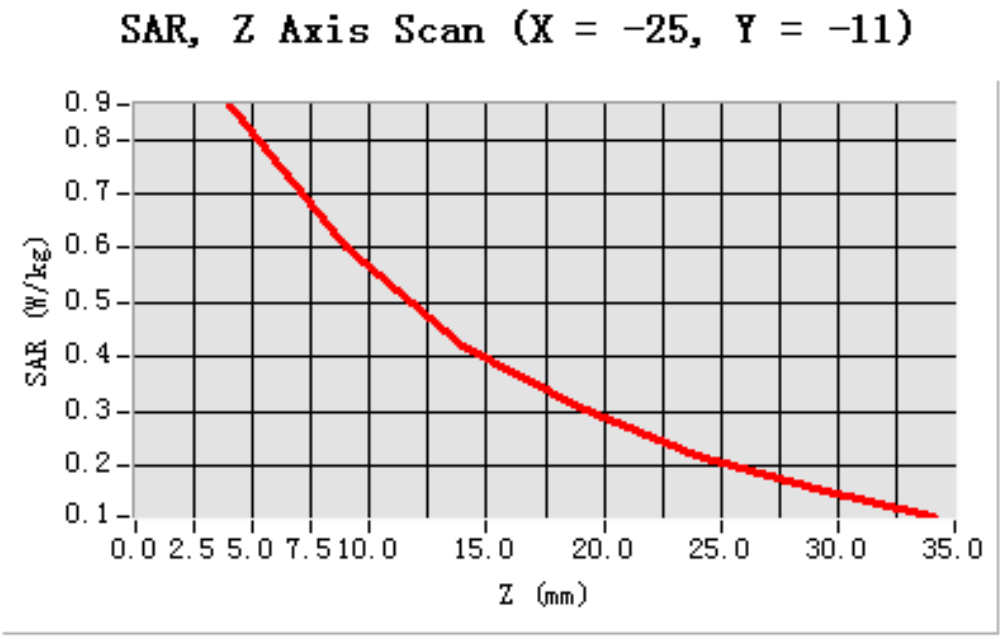


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.538640
SAR 1g (W/Kg)	0.812950

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: 30/8/2010

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

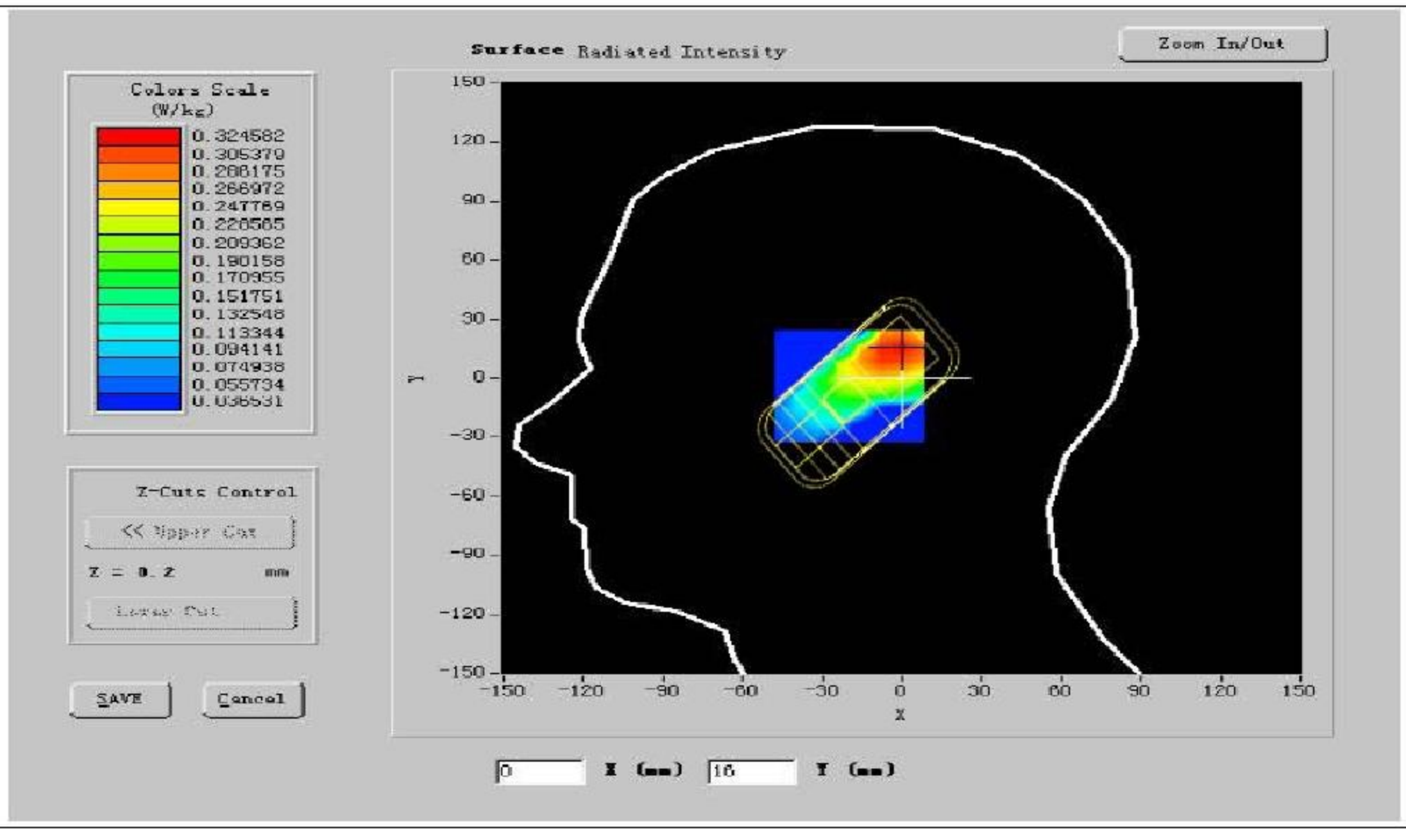
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibrated: 06/17/2010**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibrated: 08/07/2010**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibrated: 05/01/2010**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibrated: 08/07/2010**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibrated: 07/29/2010**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibrated: 07/29/2010**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibrated: 05/05/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibrated: 12/10/2010**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

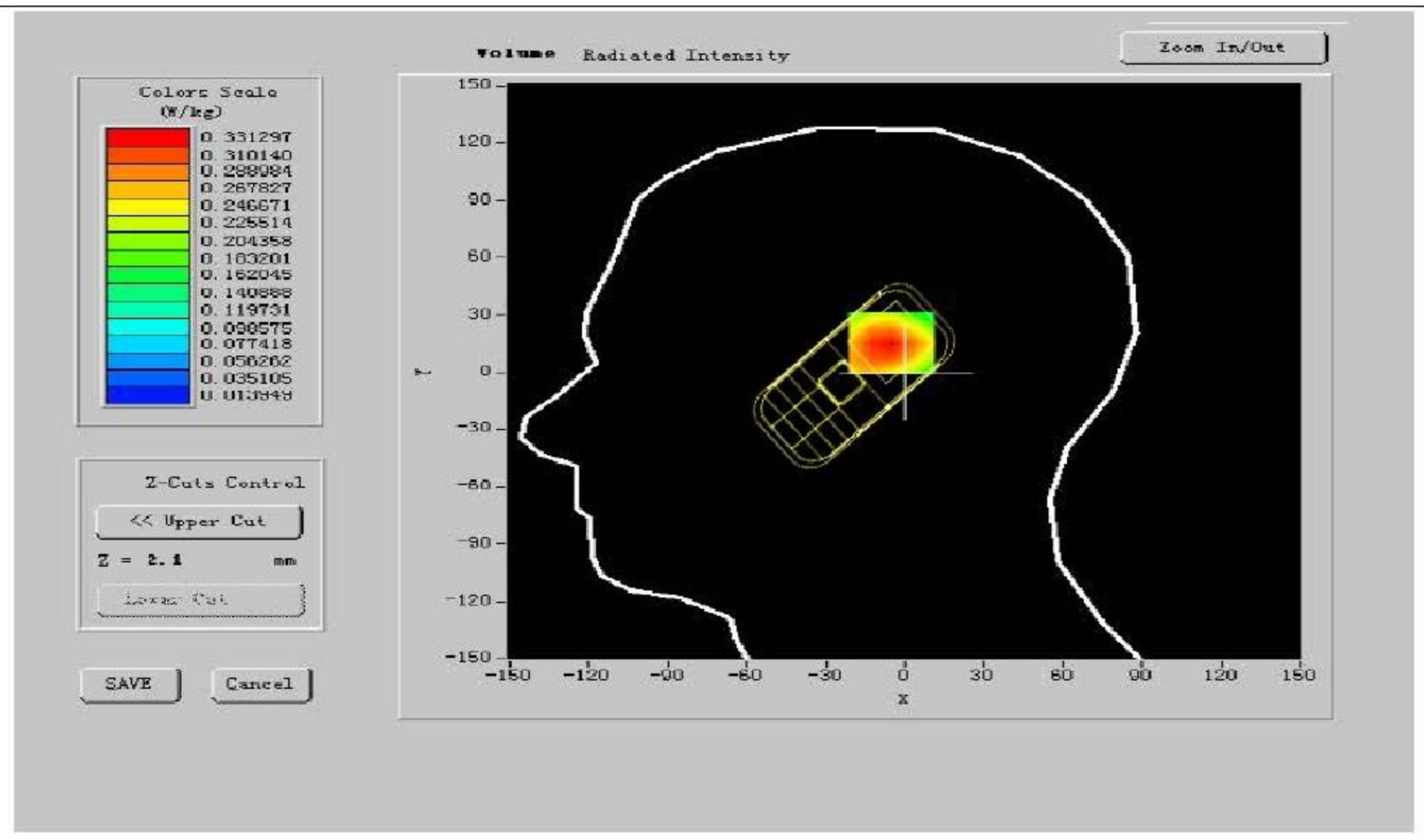
C. SAR Measurement Results

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

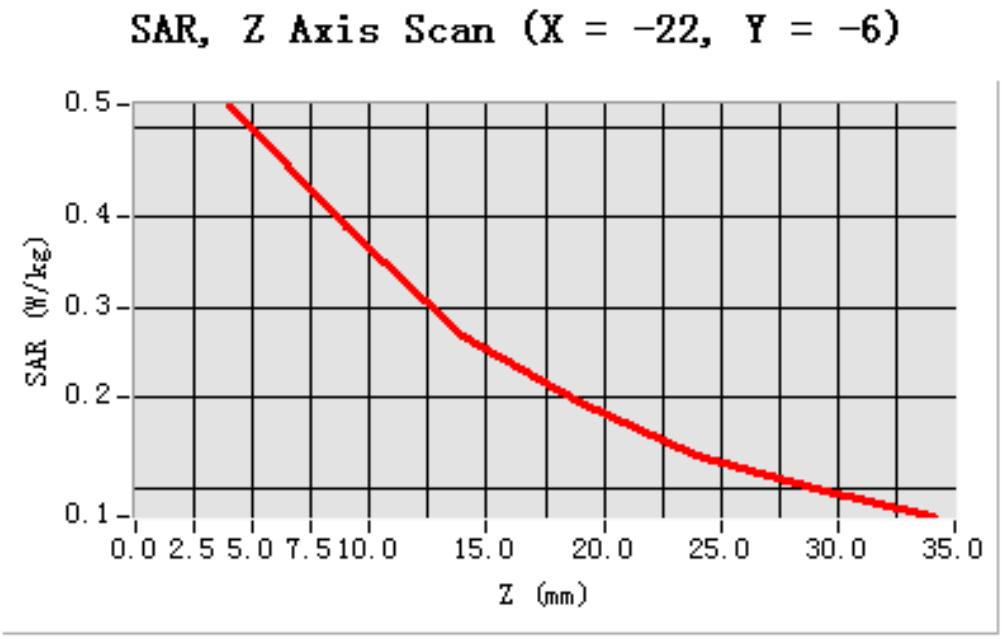


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.333695
SAR 1g (W/Kg)	0.491852

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: 30/8/2010

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

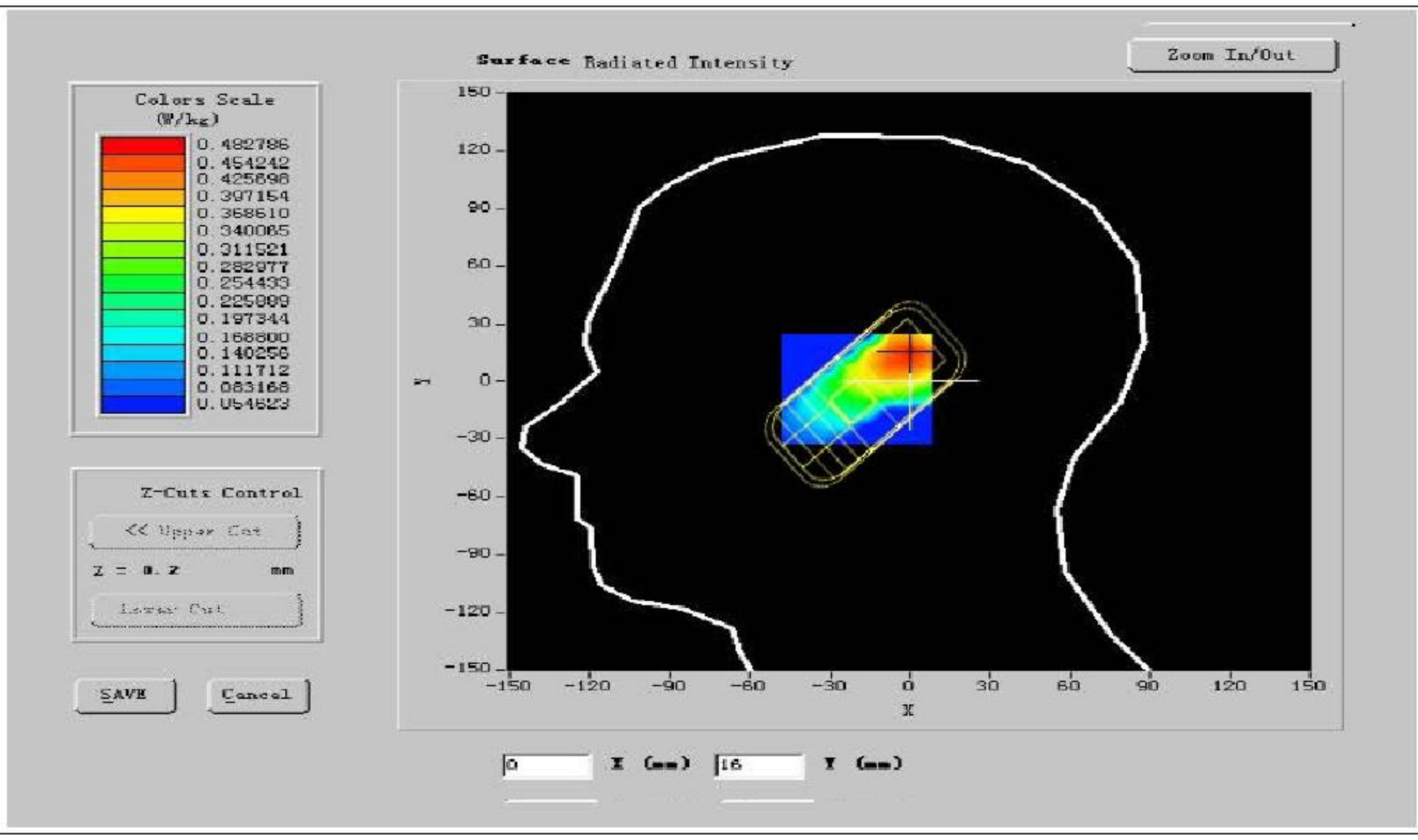
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibrated: 06/17/2010**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibrated: 08/07/2010**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibrated: 05/01/2010**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibrated: 08/07/2010**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibrated: 07/29/2010**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibrated: 07/29/2010**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibrated: 05/05/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibrated: 12/10/2010**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

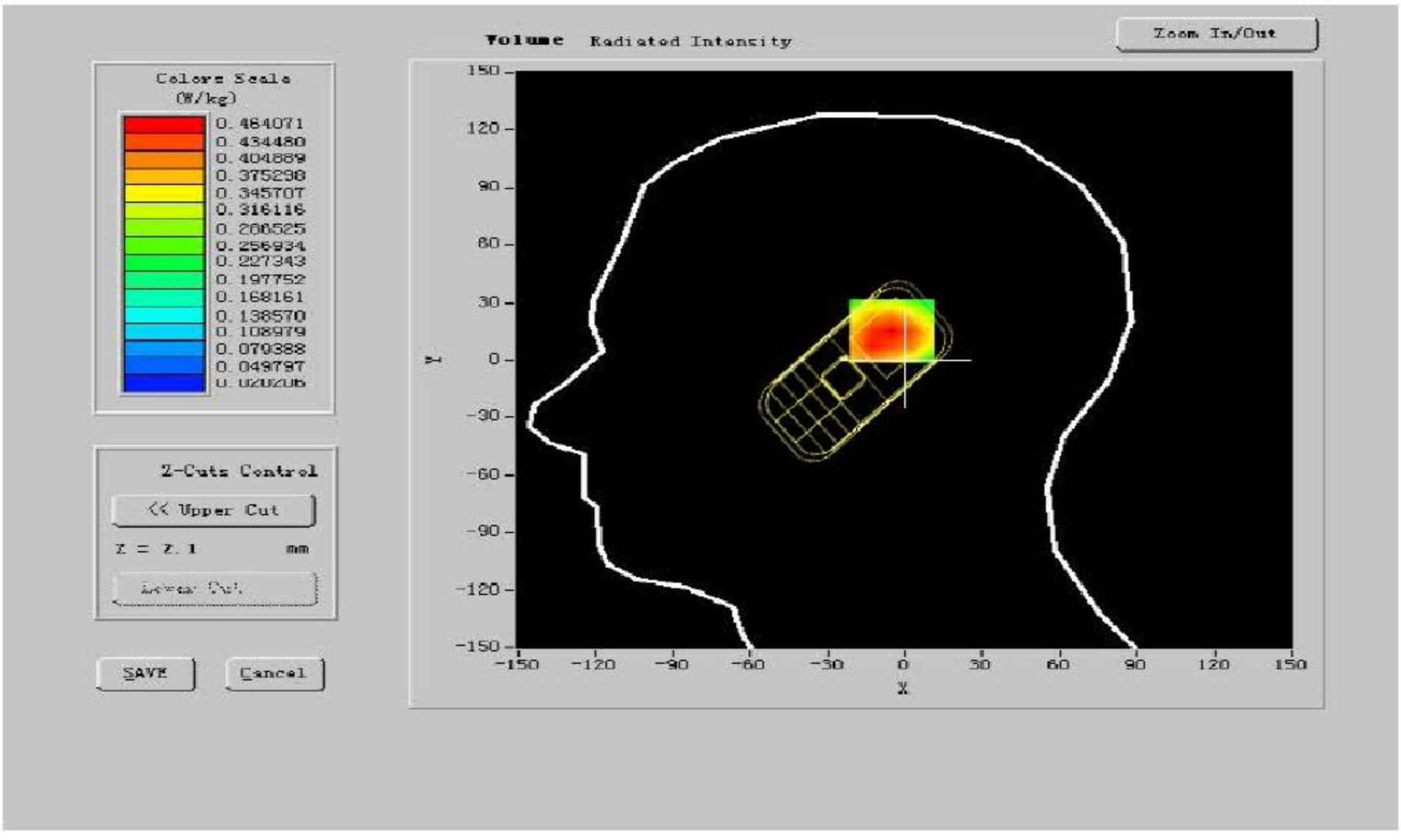
C. SAR Measurement Results

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

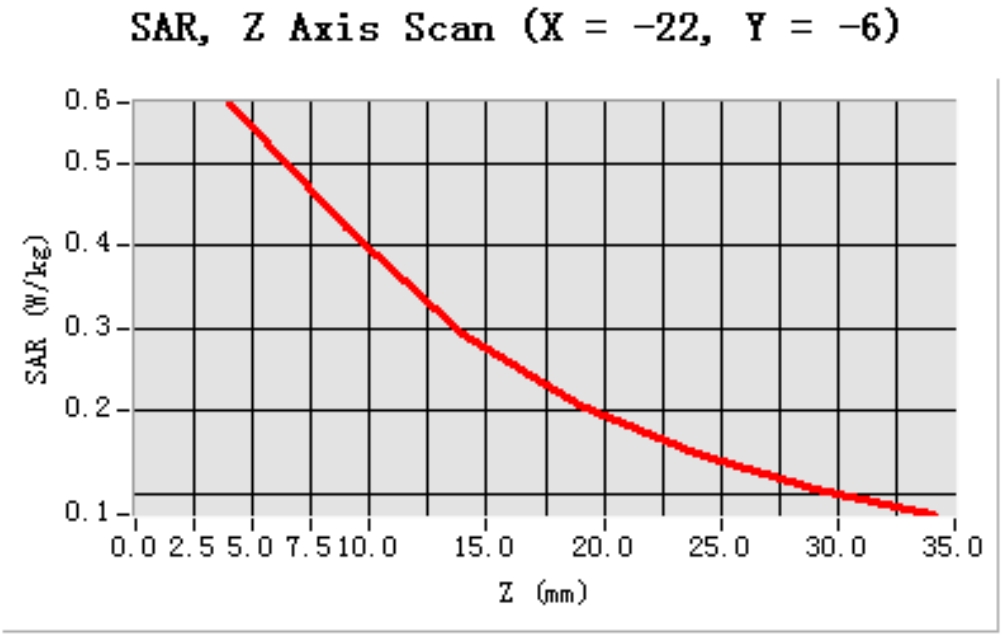


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.368301
SAR 1g (W/Kg)	0.553397

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: 30/8/2010

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

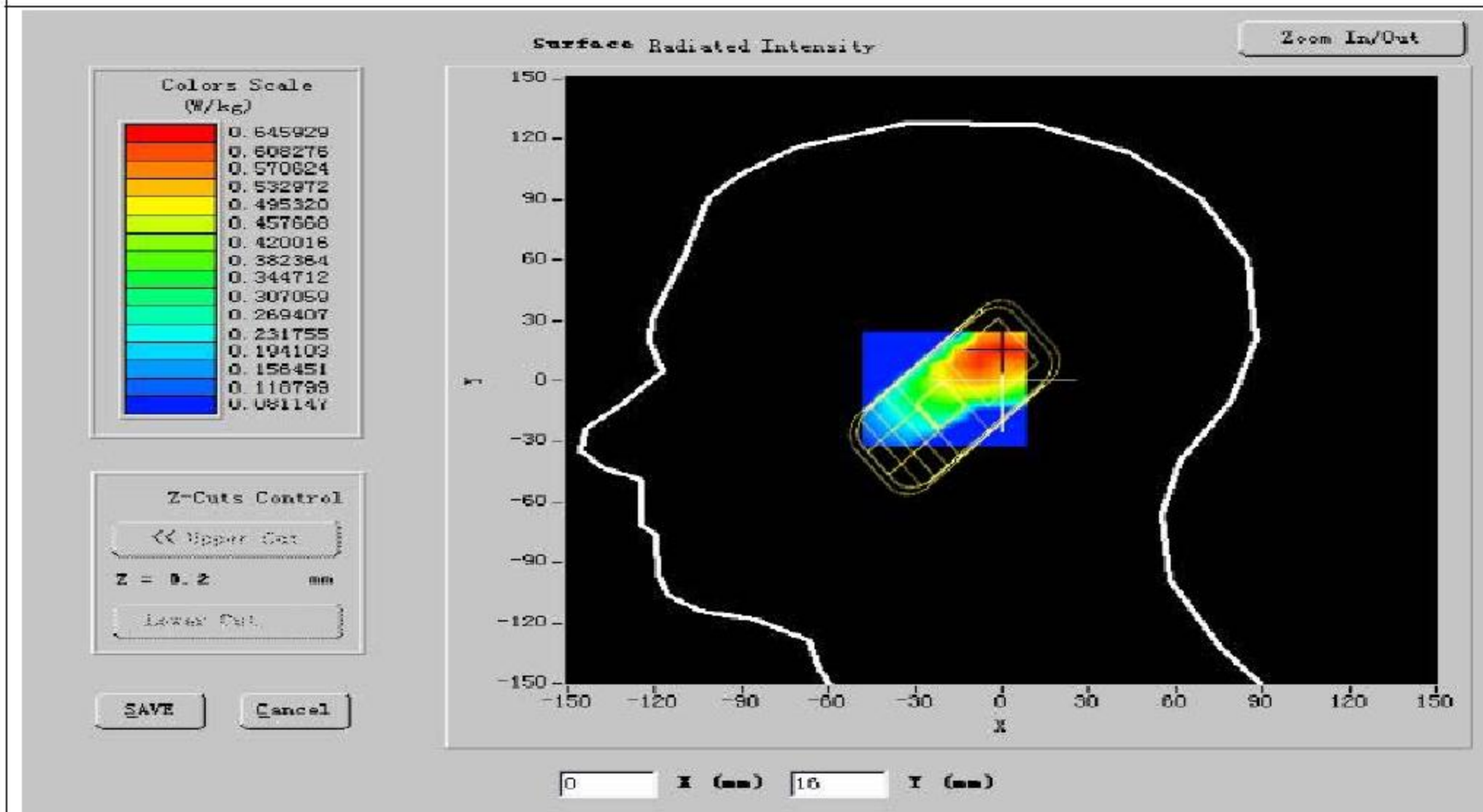
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibrated: 06/17/2010**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibrated: 08/07/2010**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibrated: 05/01/2010**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibrated: 08/07/2010**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibrated: 07/29/2010**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibrated: 07/29/2010**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibrated: 05/05/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibrated: 12/10/2010**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

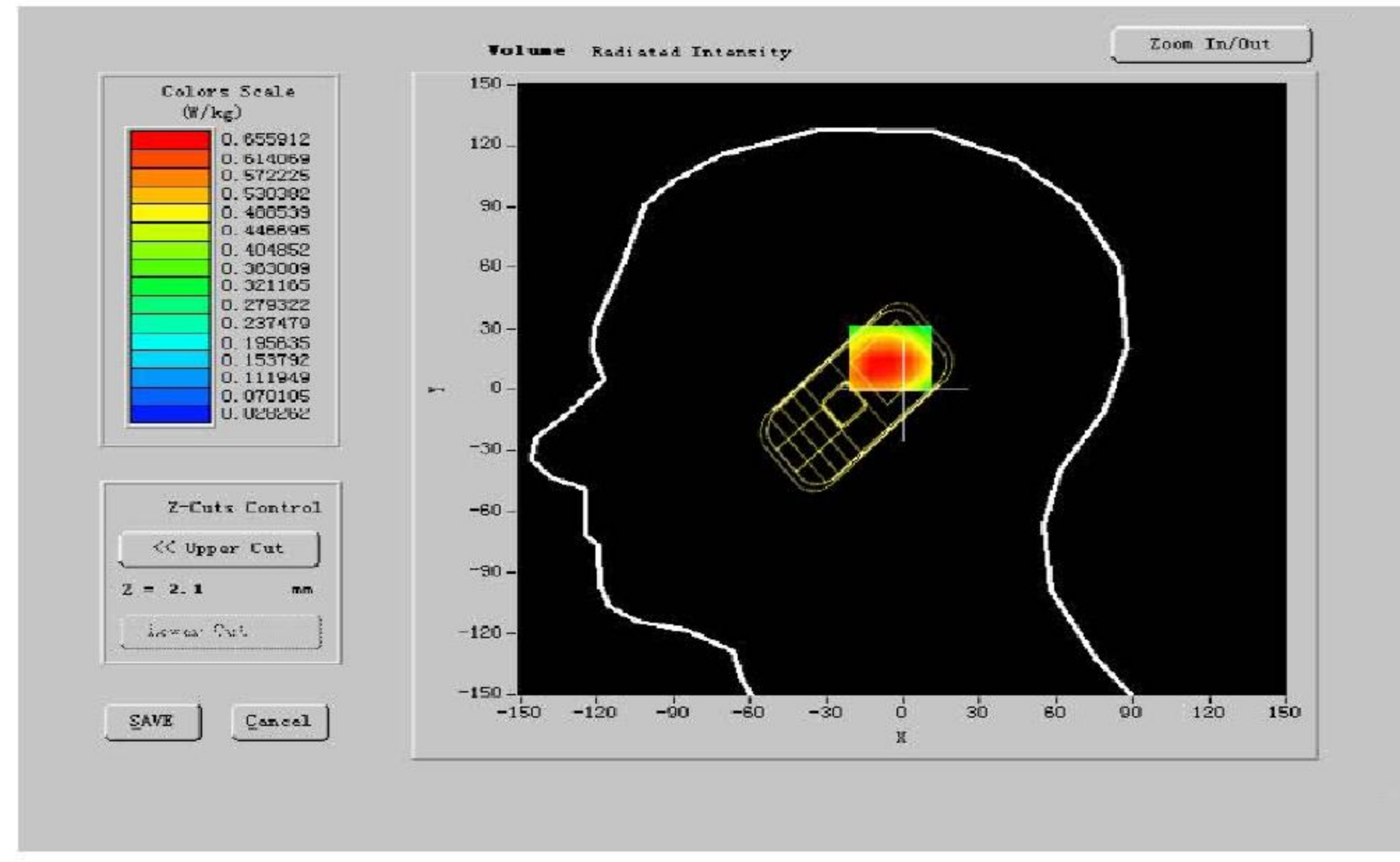
C. SAR Measurement Results

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

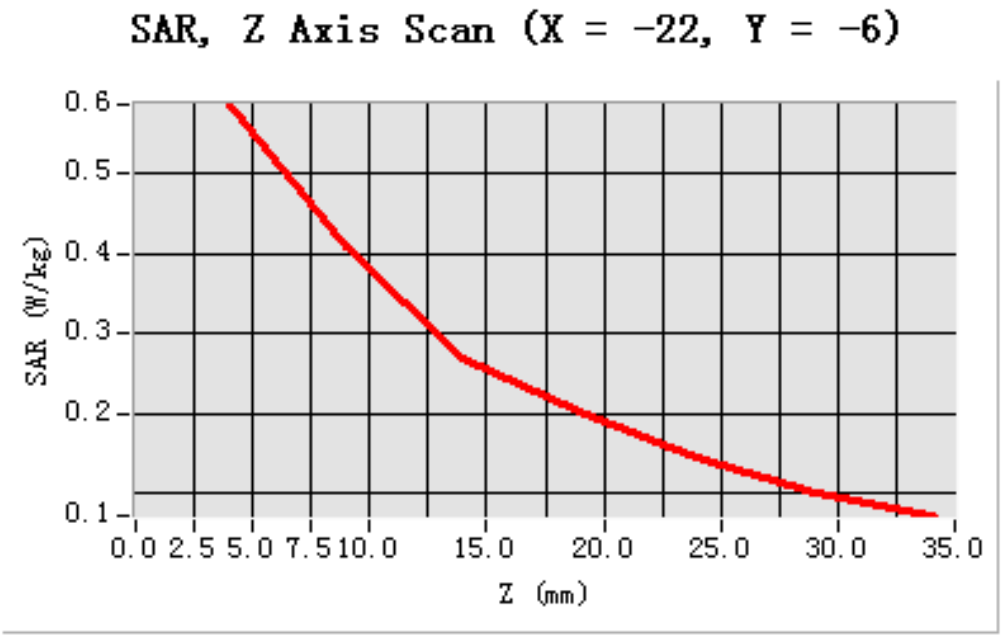


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.359632
SAR 1g (W/Kg)	0.551006

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: 30/8/2010

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

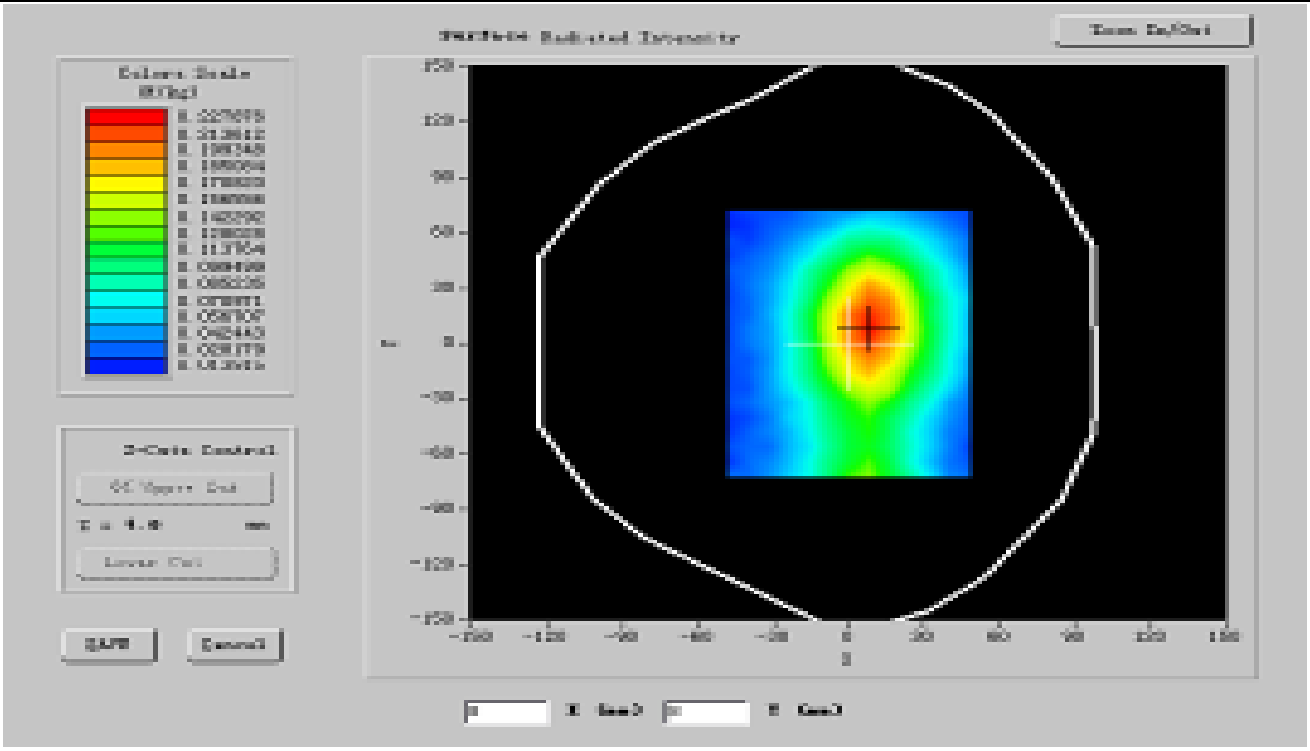
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibrated: 06/17/2010**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibrated: 08/07/2010**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibrated: 05/01/2010**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibrated: 08/07/2010**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibrated: 07/29/2010**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibrated: 07/29/2010**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibrated: 05/05/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibrated: 12/10/2010**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

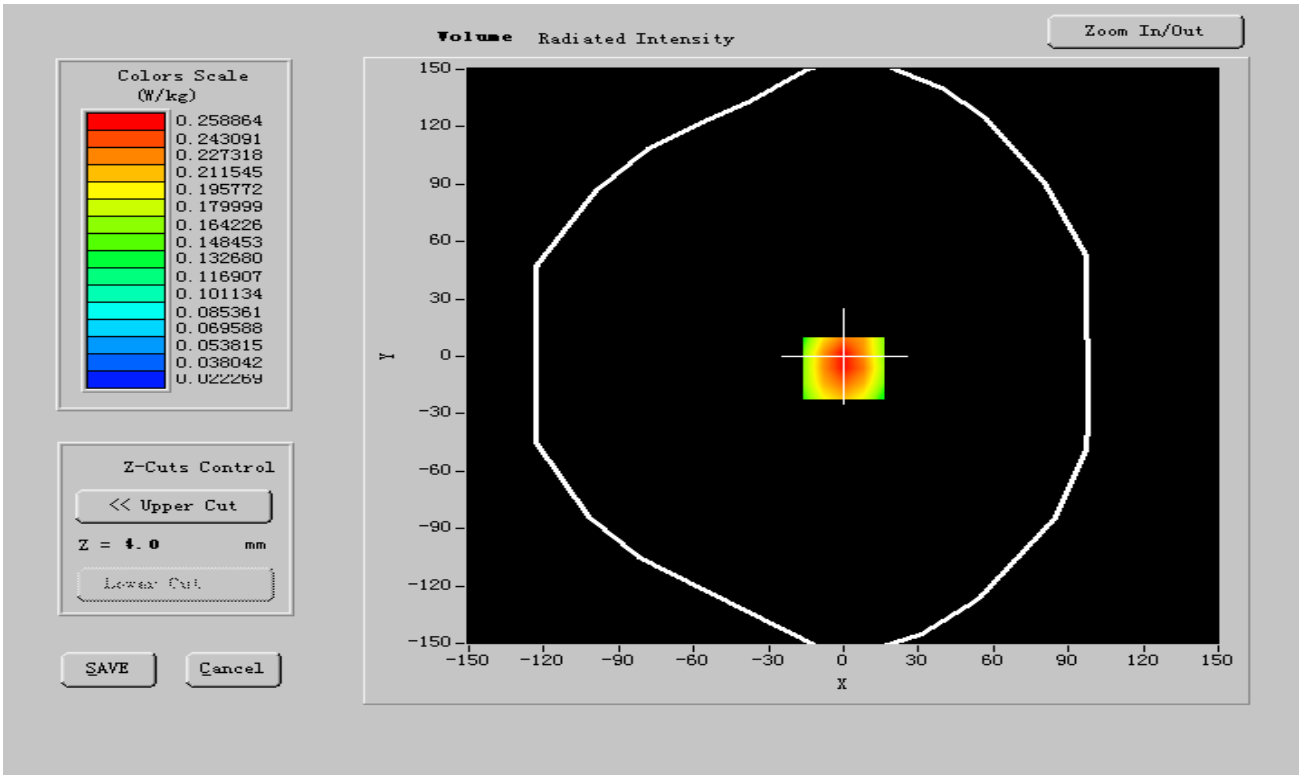
C. SAR Measurement Results

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

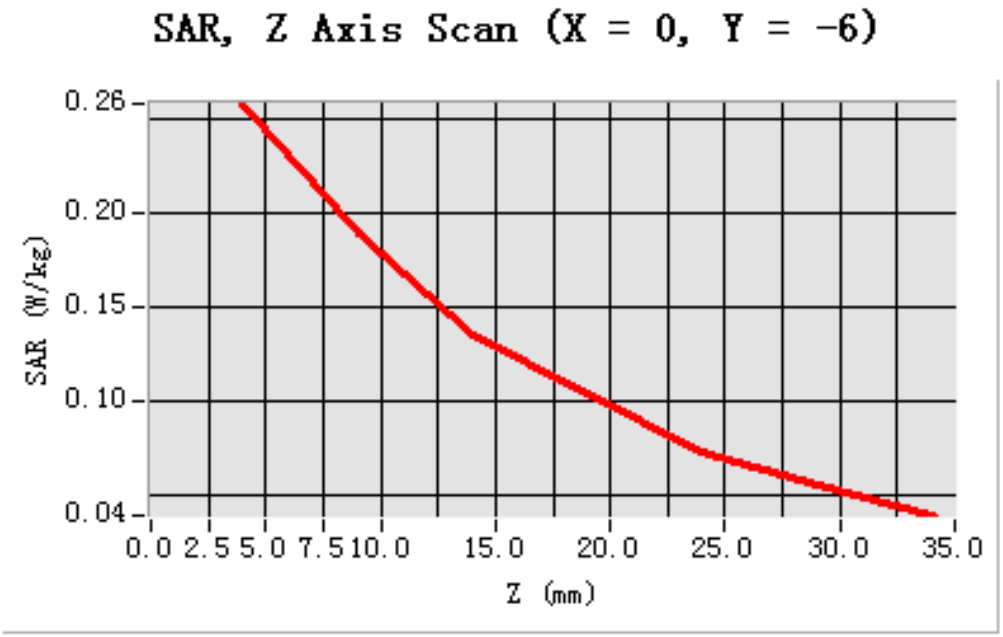


Maximum location: X=-13.00, Y=-3.00

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: 30/8/2010

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

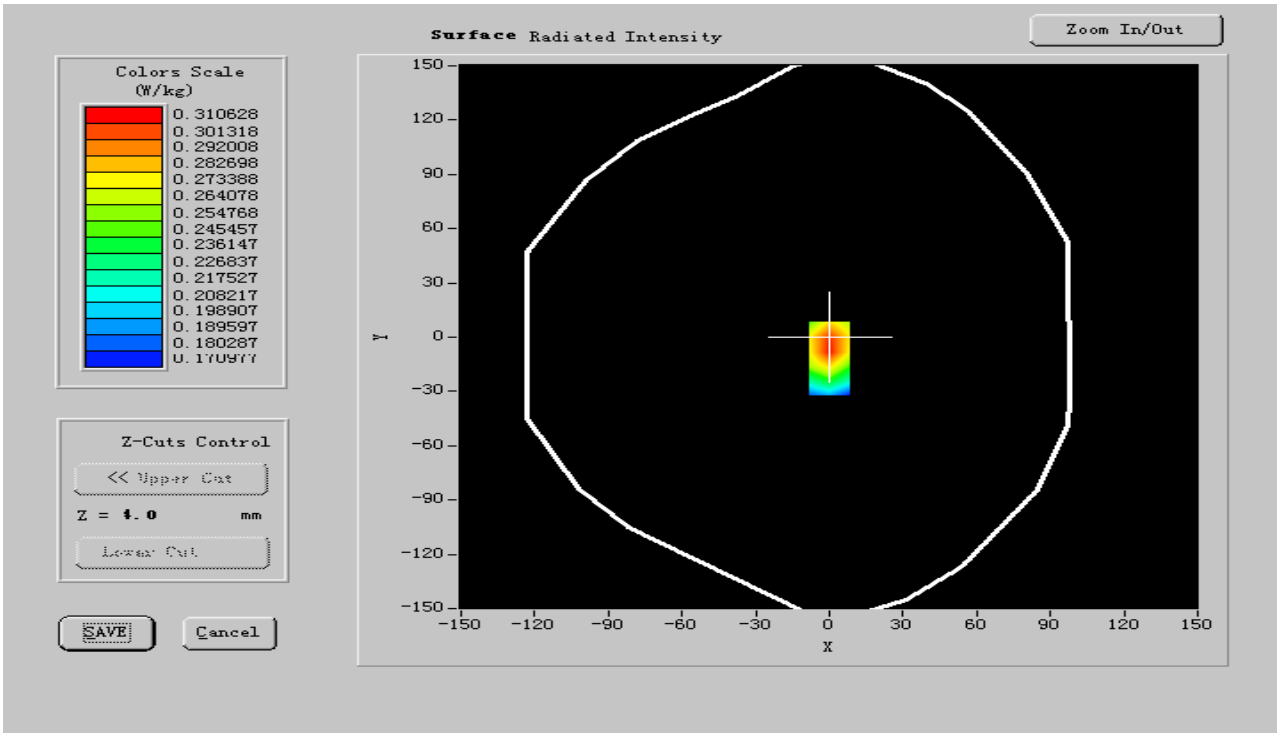
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibrated: 06/17/2010**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibrated: 08/07/2010**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibrated: 05/01/2010**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibrated: 08/07/2010**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibrated: 07/29/2010**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibrated: 07/29/2010**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibrated: 05/05/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibrated: 12/10/2010**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

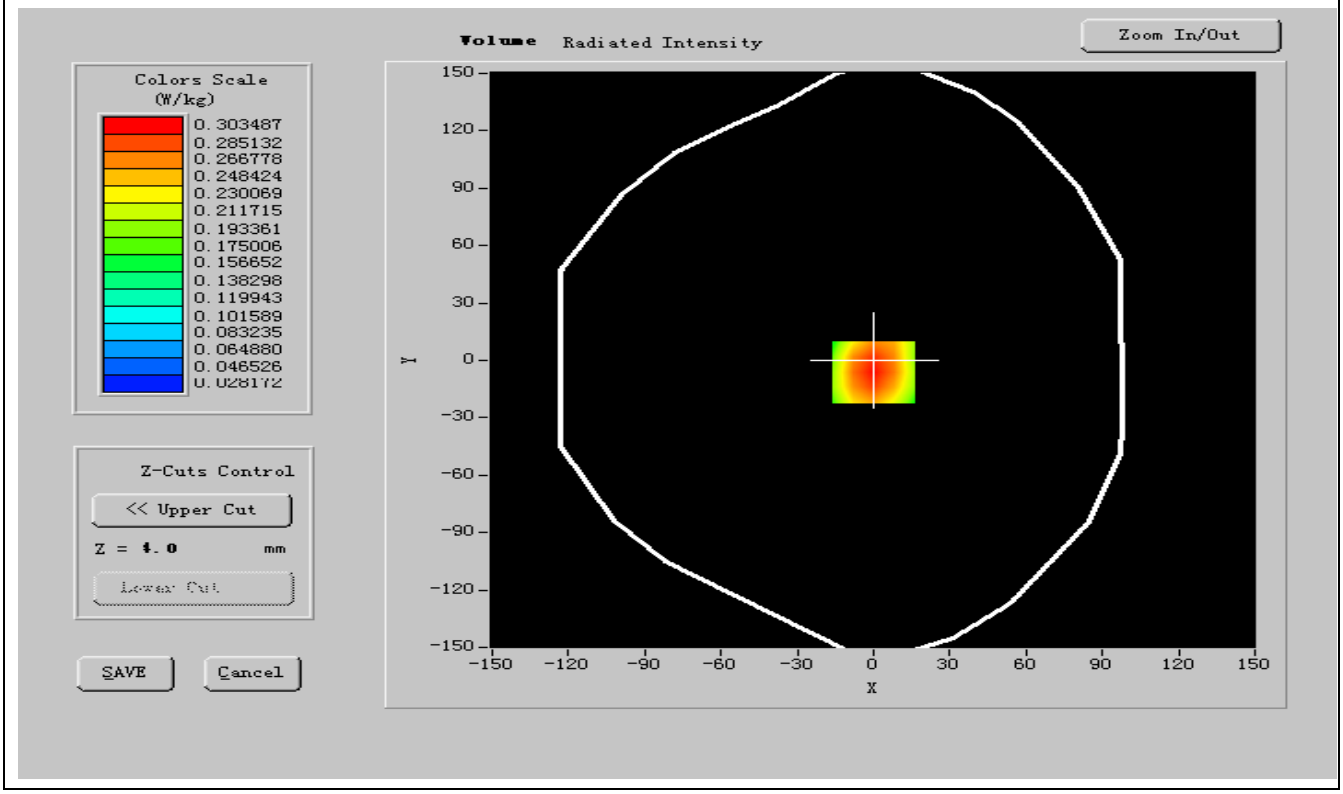
C. SAR Measurement Results

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

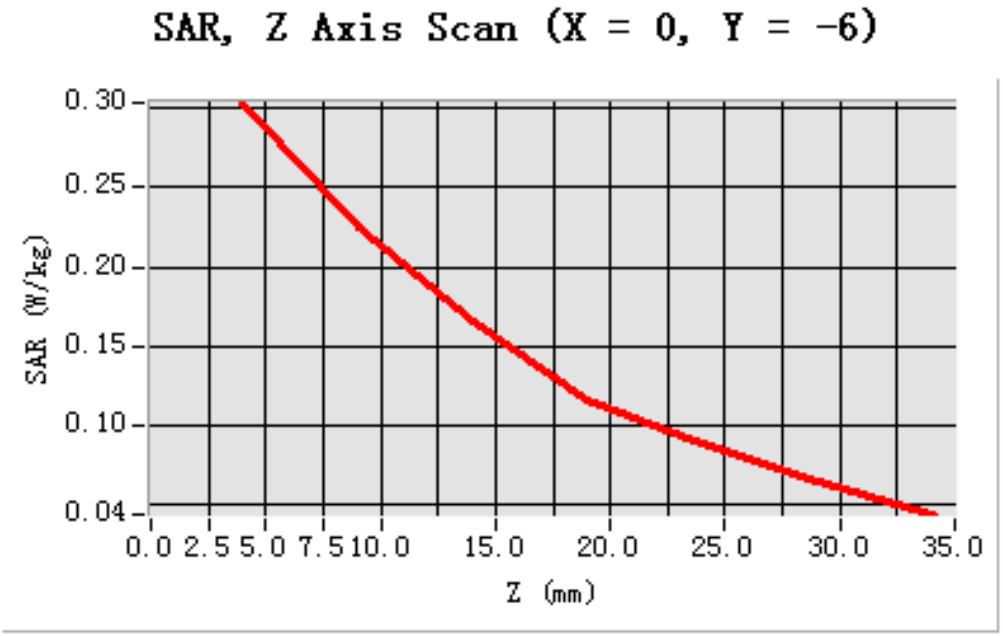


Maximum location: X=-13.00, Y=-3.00

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: 30/8/2010

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

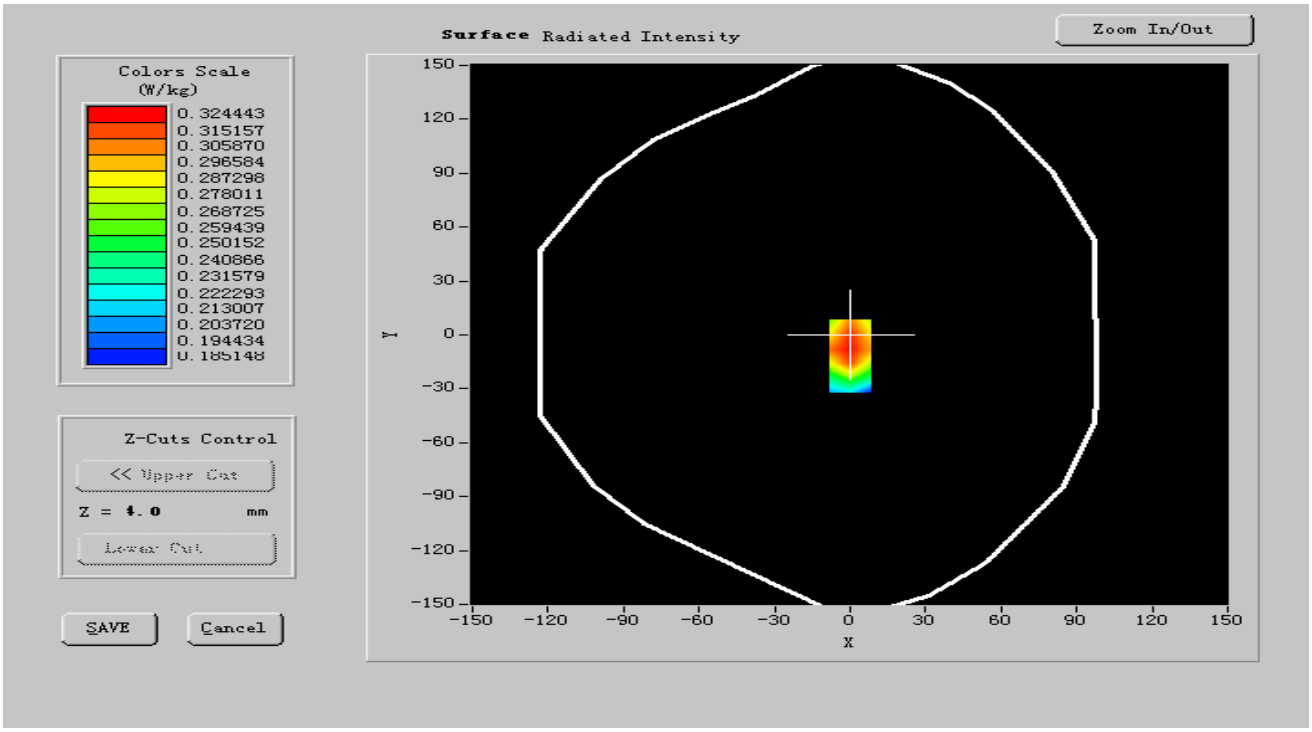
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibrated: 06/17/2010**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibrated: 08/07/2010**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibrated: 05/01/2010**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibrated: 08/07/2010**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibrated: 07/29/2010**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibrated: 07/29/2010**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibrated: 05/05/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibrated: 12/10/2010**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

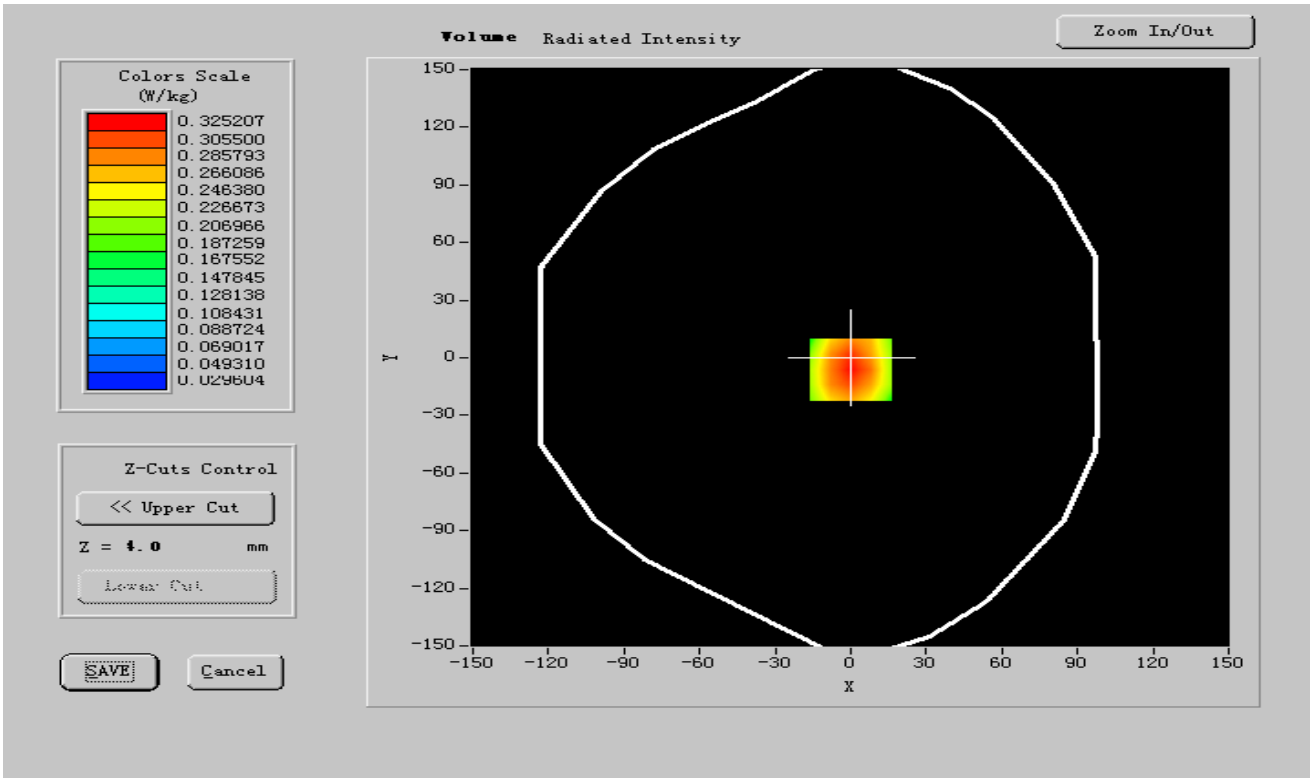
C. SAR Measurement Results

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

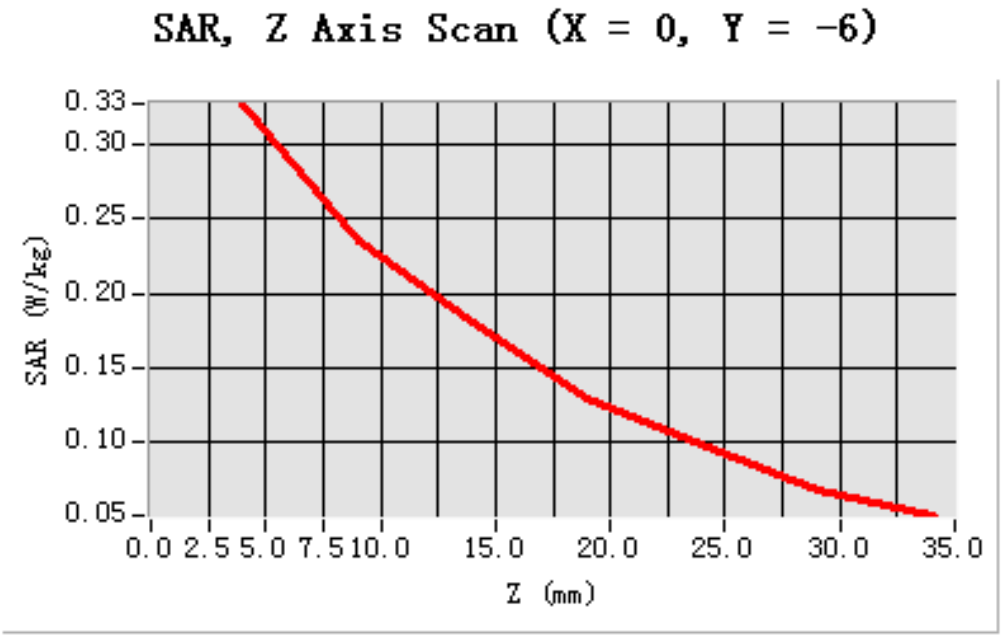


Maximum location: X=-13.00, Y=-3.00

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: 30/8/2010

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

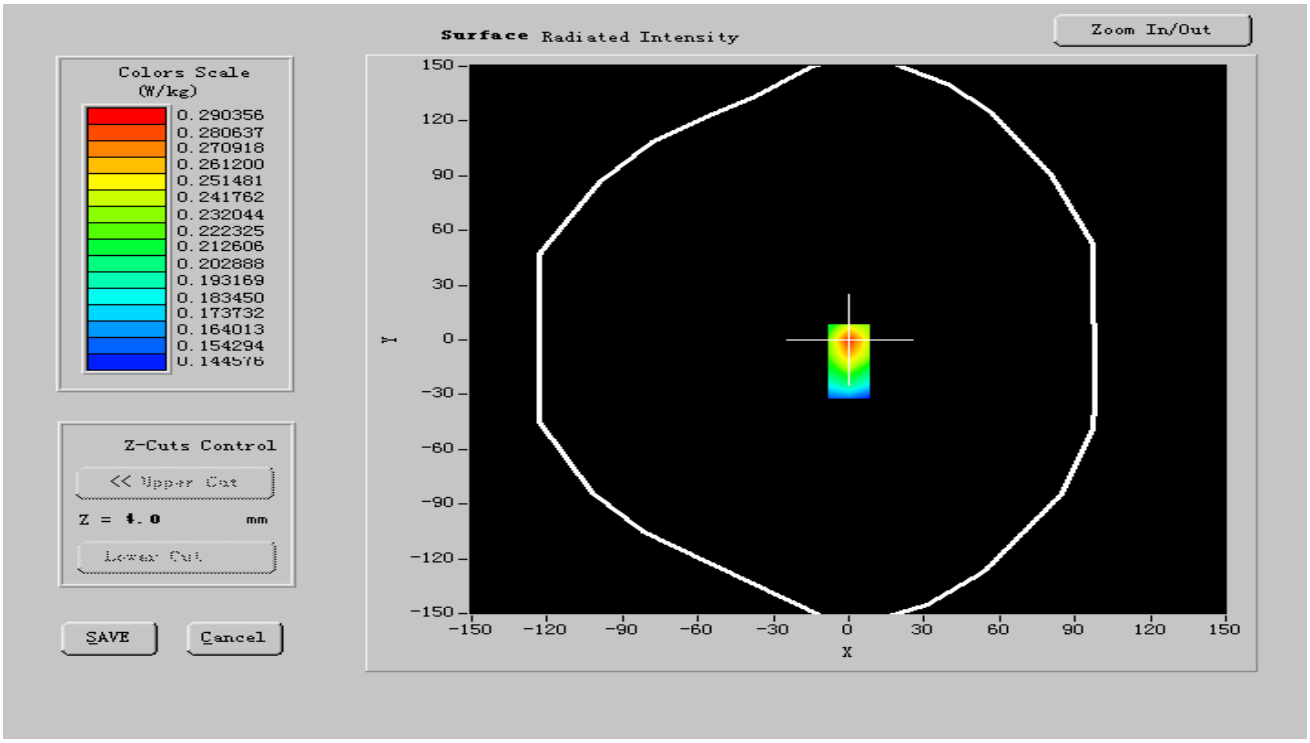
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibrated: 06/17/2010**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibrated: 08/07/2010**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibrated: 05/01/2010**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibrated: 08/07/2010**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibrated: 07/29/2010**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibrated: 07/29/2010**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibrated: 05/05/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibrated: 12/10/2010**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

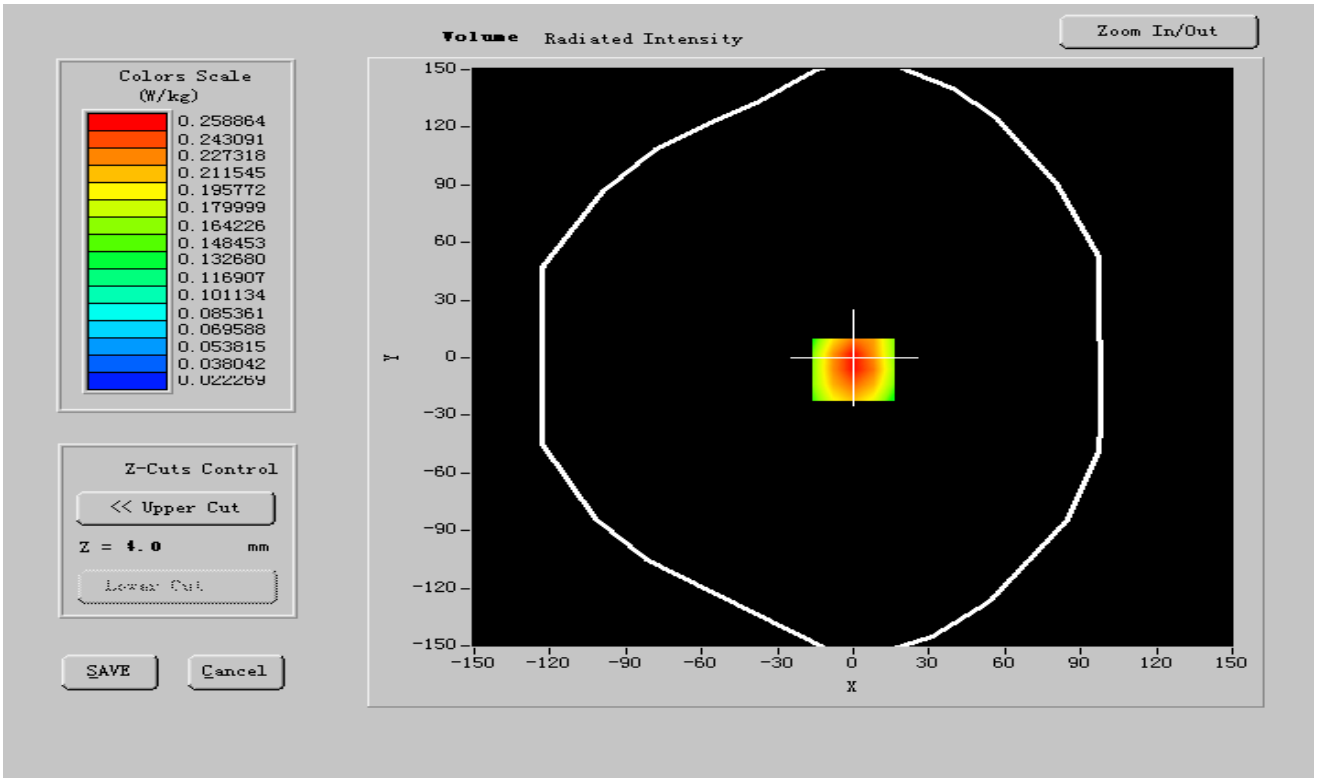
C. SAR Measurement Results

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

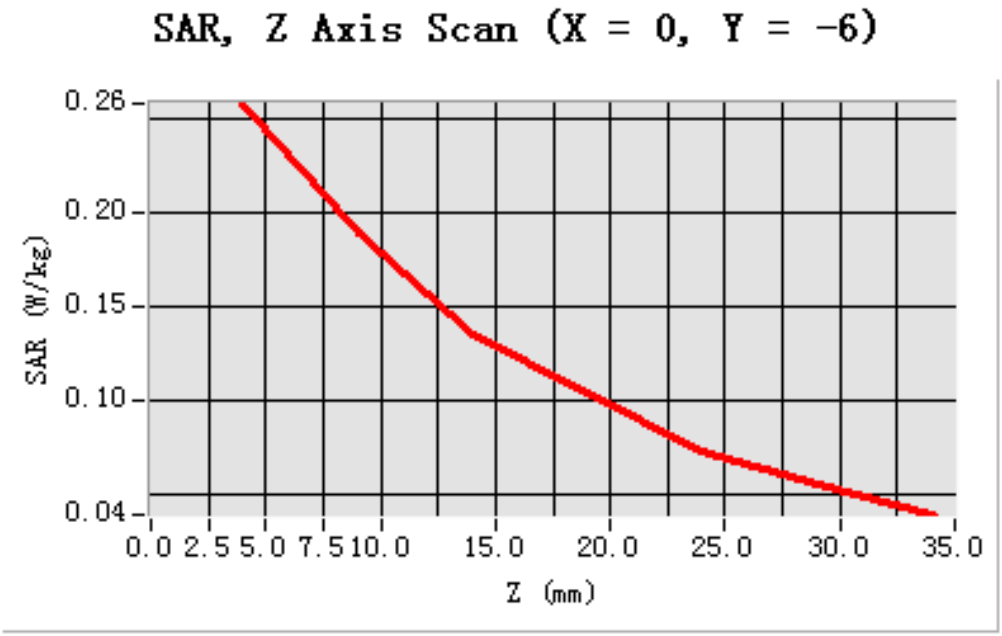


Maximum location: X=-13.00, Y=-3.00

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 17

Date of measurement: 30/8/2010

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

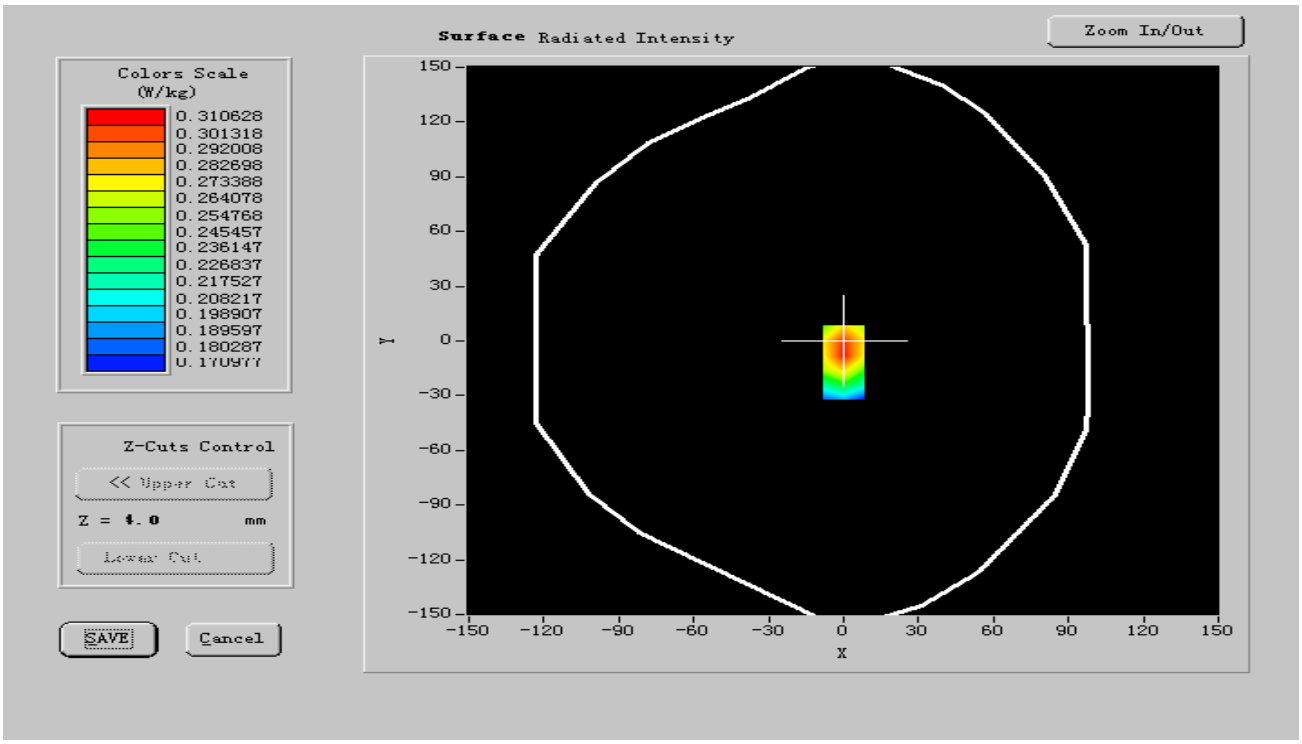
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibrated: 06/17/2010**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibrated: 08/07/2010**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibrated: 05/01/2010**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibrated: 08/07/2010**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibrated: 07/29/2010**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibrated: 07/29/2010**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibrated: 05/05/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibrated: 12/10/2010**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

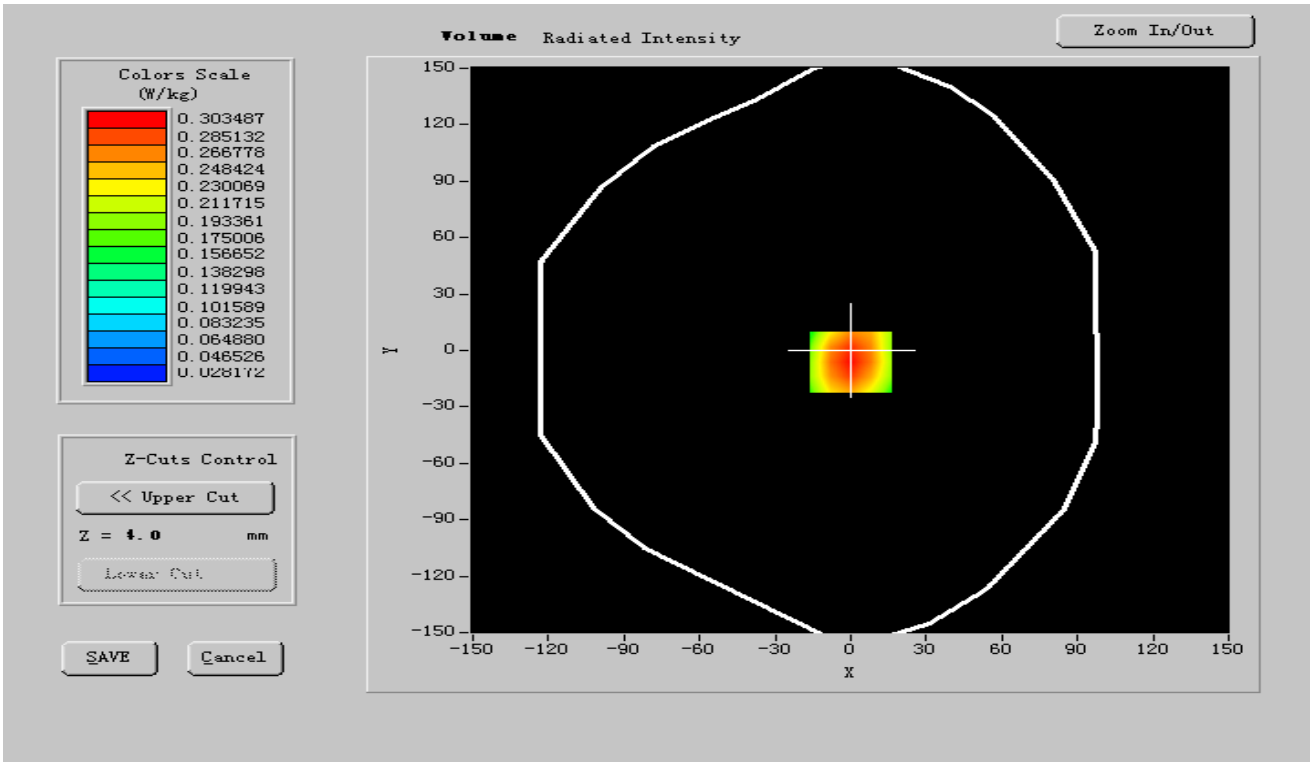
C. SAR Measurement Results

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

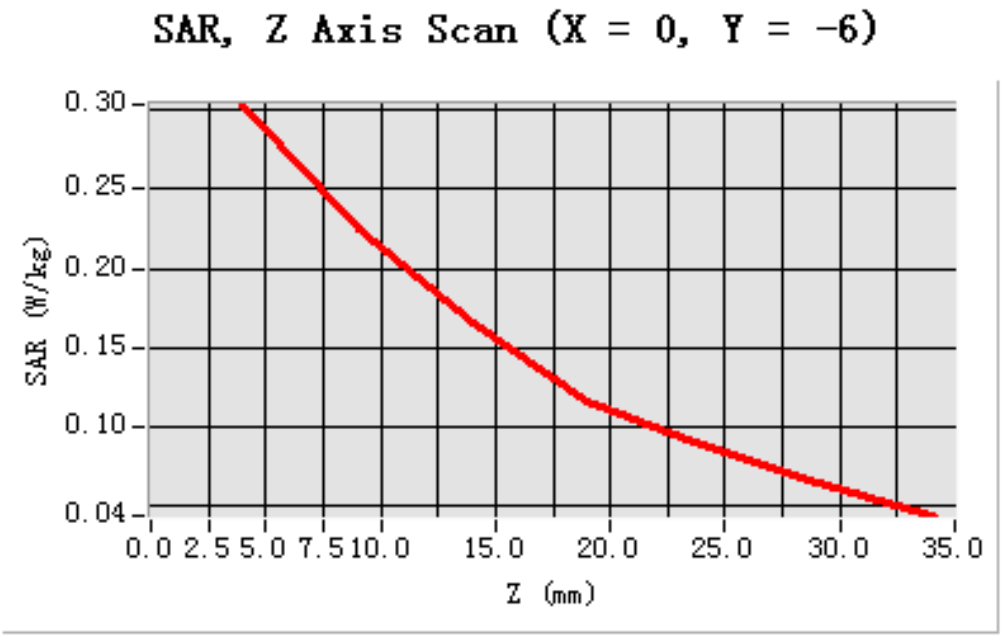


Maximum location: X=-13.00, Y=-3.00

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 18

Date of measurement: 30/8/2010

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

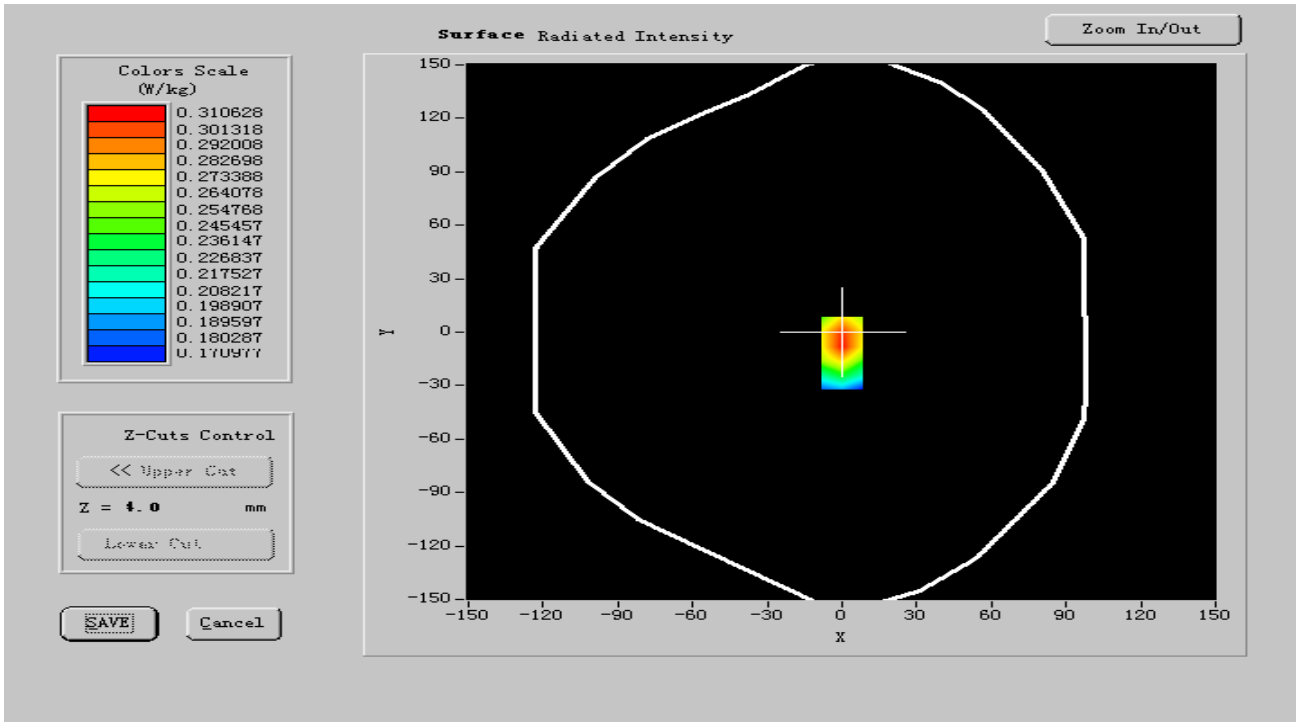
B. Instrumentations.

PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibrated: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibrated: 06/17/2010**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibrated: 08/07/2010**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibrated: 05/01/2010**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibrated: 08/07/2010**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibrated: 07/29/2010**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibrated: 07/29/2010**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibrated: 05/05/2011**
DIPOLE 835	**Antennessa (DIPI32,SN 48/05)**	**Calibrated: 12/10/2010**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibrated: N/A**
Liquid	**Antennessa**	**Calibrated: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibrated: N/A**

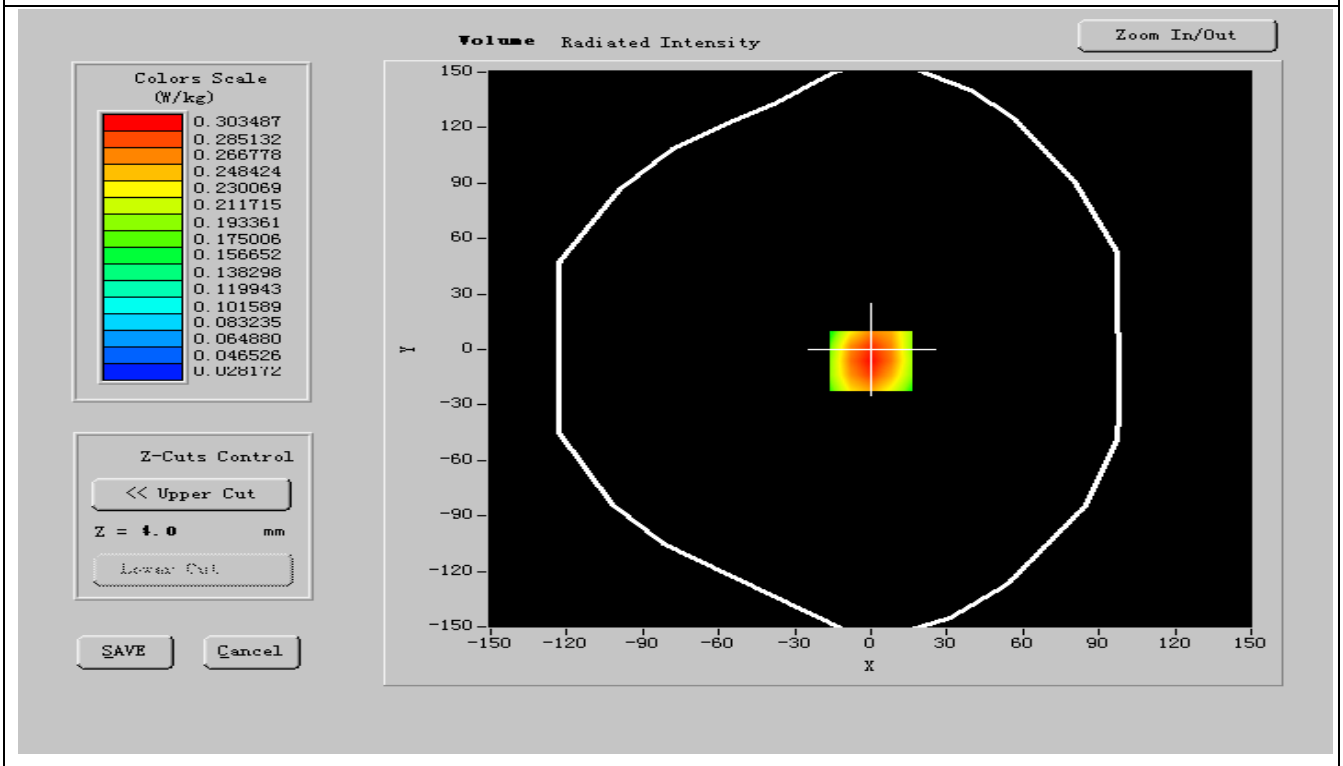
C. SAR Measurement Results

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