



I. 850MHz Band RESULTS

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



	<u>Measurement 19:</u> FrontSide toward phantom 15mm, Low Channel in GPRS850 mode(Bottom) <u>Measurement 20:</u> FrontSide toward phantom 15mm, Middle Channel in GPRS850 mode(Bottom) <u>Measurement 21:</u> FrontSide toward phantom 15mm, High Channel in GPRS850 mode(Bottom) <u>Measurement 22:</u> FrontSide toward phantom 15mm, Low Channel in GPRS850 mode(Top) <u>Measurement 23:</u> FrontSide toward phantom 15mm, Middle Channel in GPRS850 mode(Top) <u>Measurement 24:</u> FrontSide toward phantom 15mm, High Channel in GPRS850 mode(Top)
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**MEASUREMENT 1****Date of measurement: 3/14/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

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

B. Instrumentations.

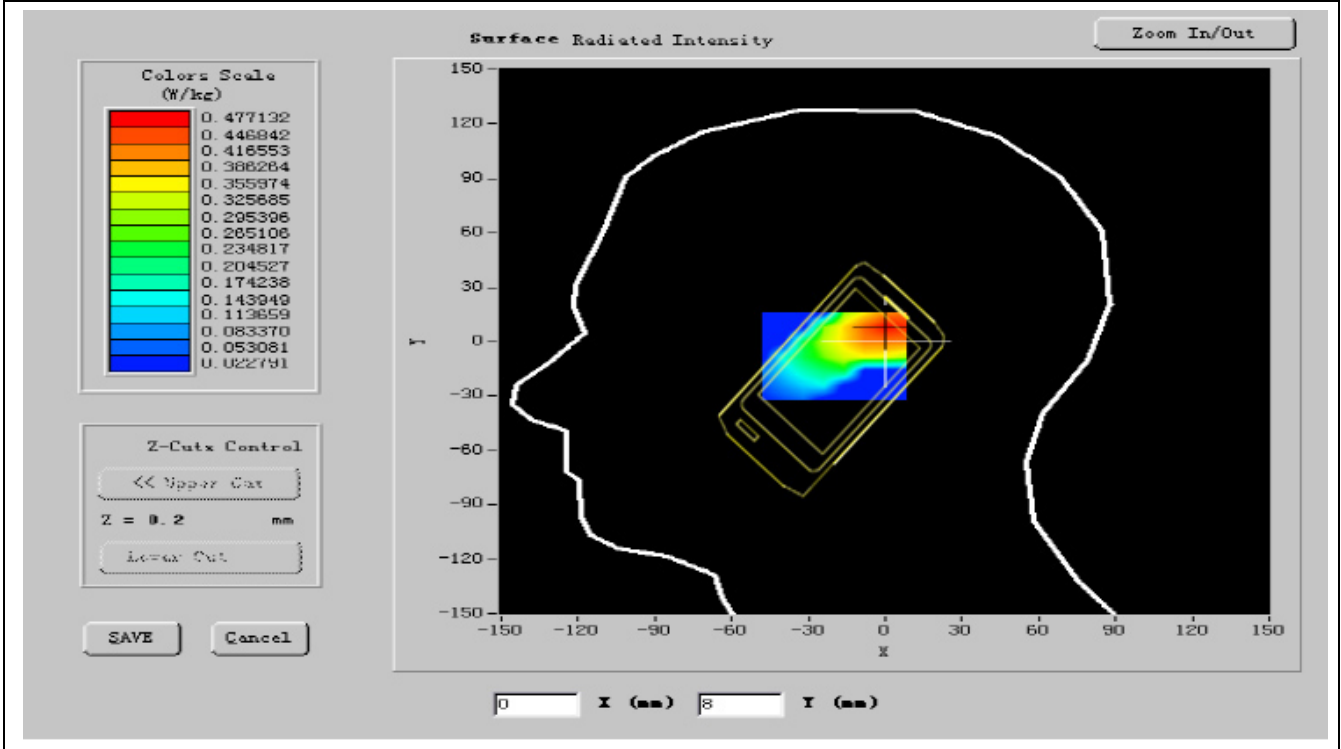
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

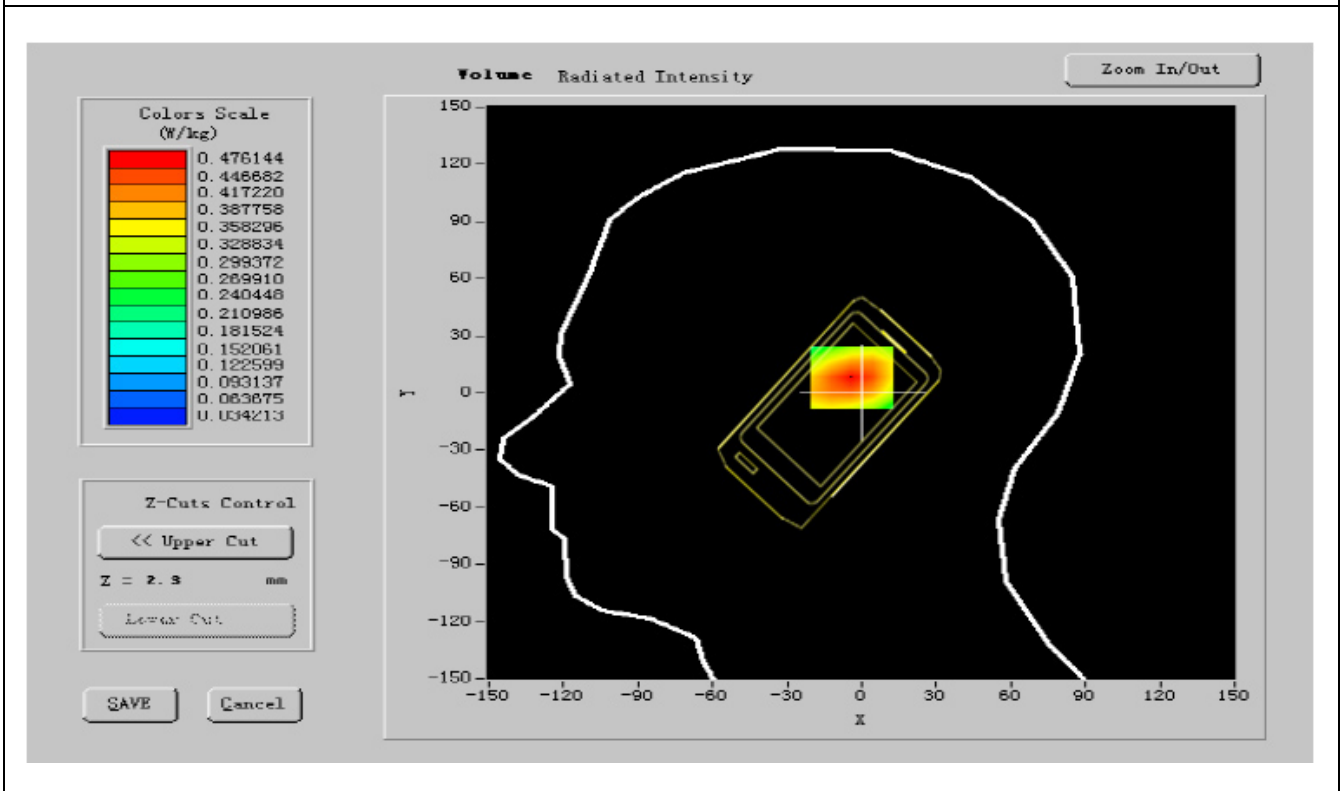
Frequency (MHz)	824.200012
Relative permittivity (real part)	41.466999
Relative permittivity (imaginary part)	19.511101
Conductivity (S/m)	0.923392
Variation (%)	-1.490000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.66, 20.51, 28.36
Crest factor:	1:8



SURFACE SAR



VOLUME SAR





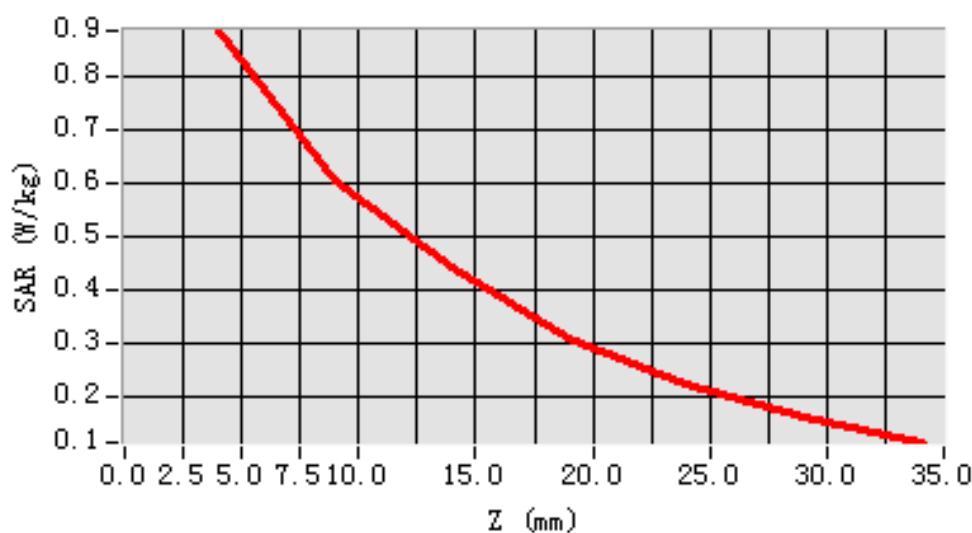
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.544232
SAR 1g (W/Kg)	0.842395

Z Axis Scan

Z(mm)	0.00	4.00	9.00		14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.8491	0.5876	0.	4532	0.2756	0.1985	0.1465

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



**MEASUREMENT 2****Date of measurement: 3/14/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

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

B. Instrumentations.

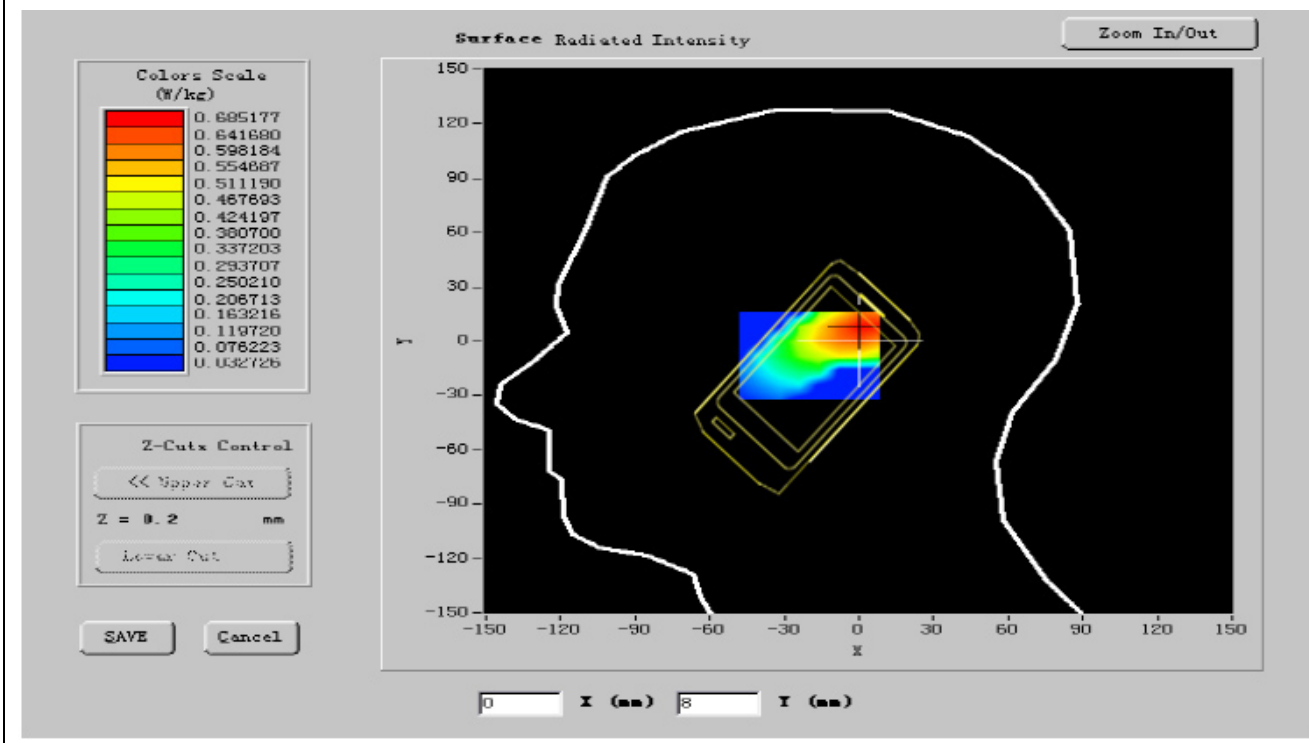
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

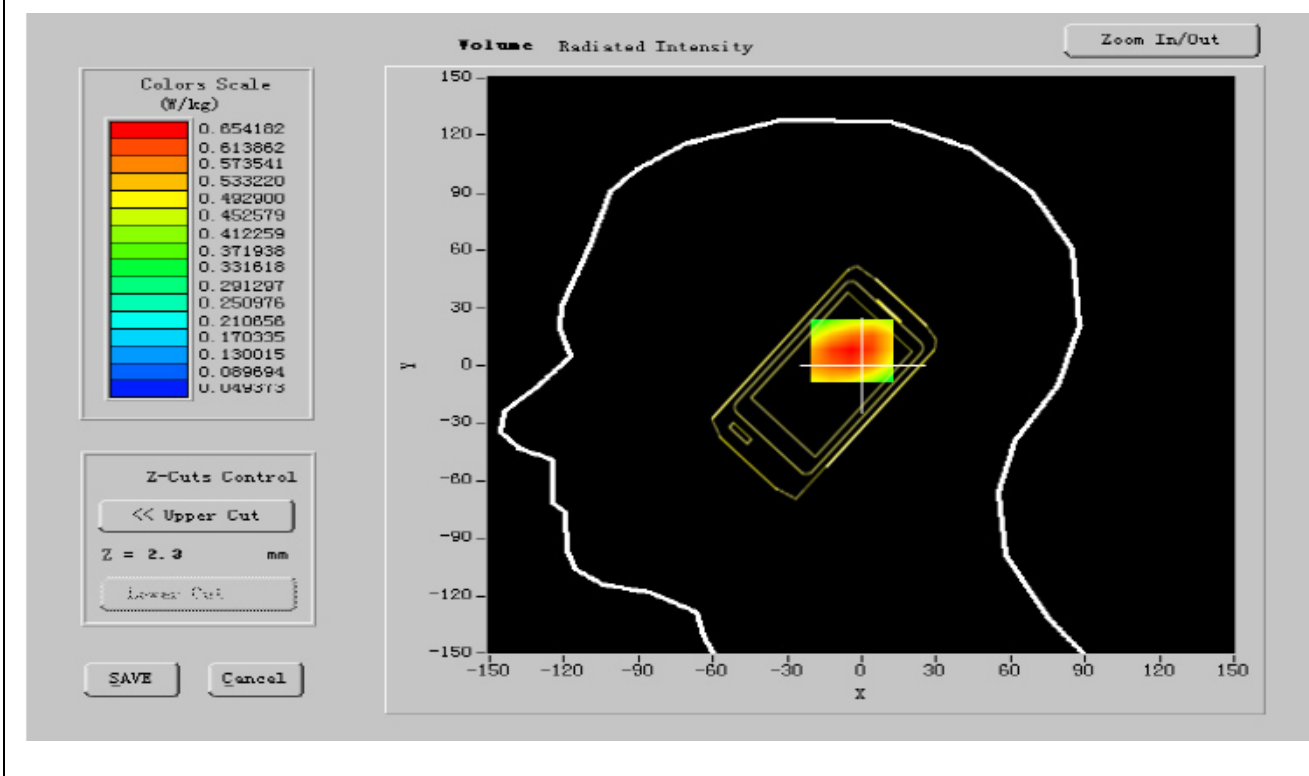
Frequency (MHz)	836.400024
Relative permittivity (real part)	41.466999
Relative permittivity (imaginary part)	19.511101
Conductivity (S/m)	0.916616
Variation (%)	-0.110000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.66, 20.51, 28.36
Crest factor:	1:8



SURFACE SAR



VOLUME SAR





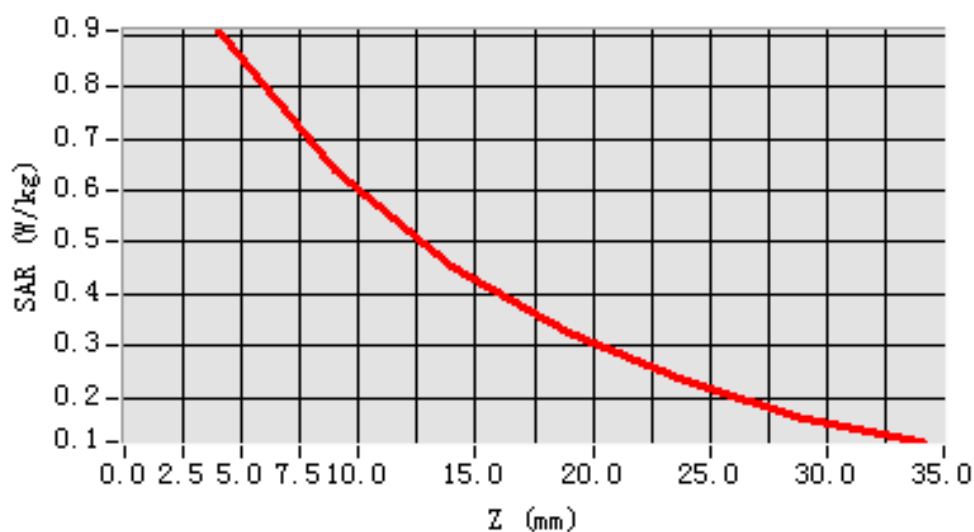
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.562540
SAR 1g (W/Kg)	0.873378

Z Axis Scan

Z(mm)	0.00	4.00	9.00		14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.8683	0.5987	0.	4463	0.4073	0.2345	0.1673

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



**MEASUREMENT 3****Date of measurement: 3/14/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

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

B. Instrumentations.

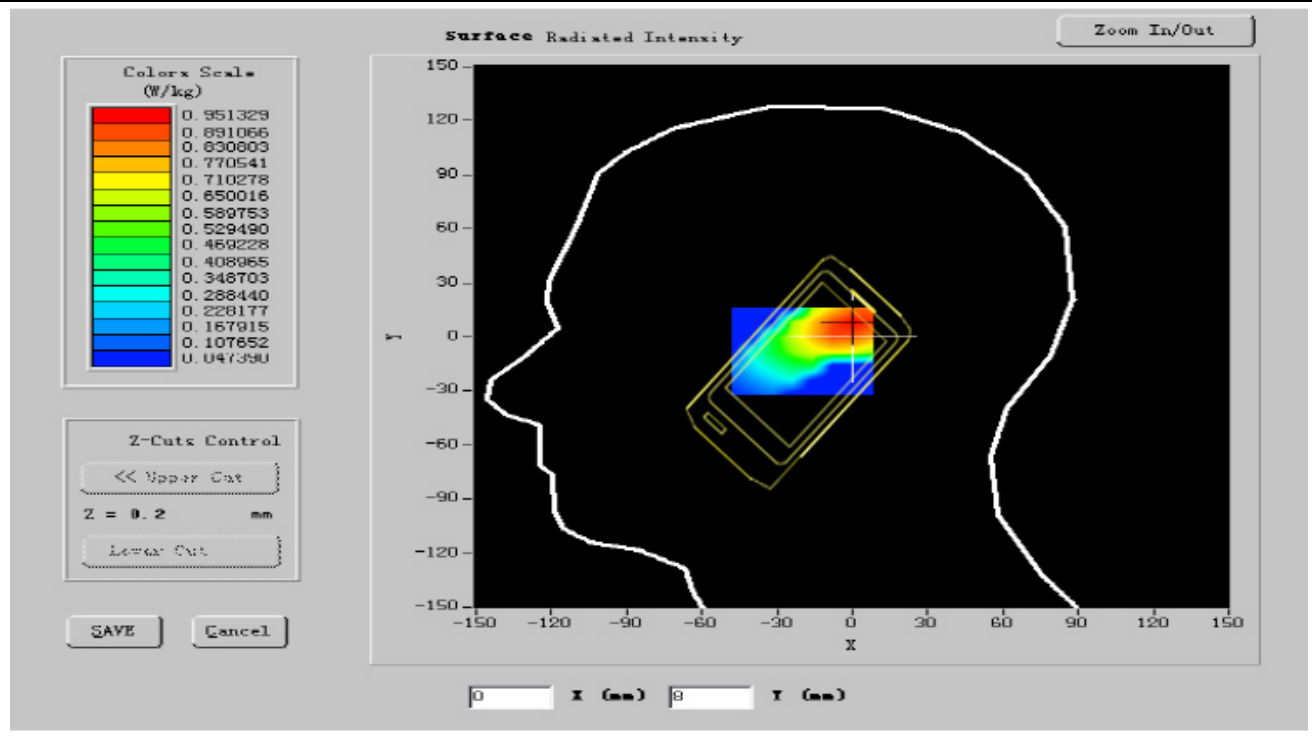
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

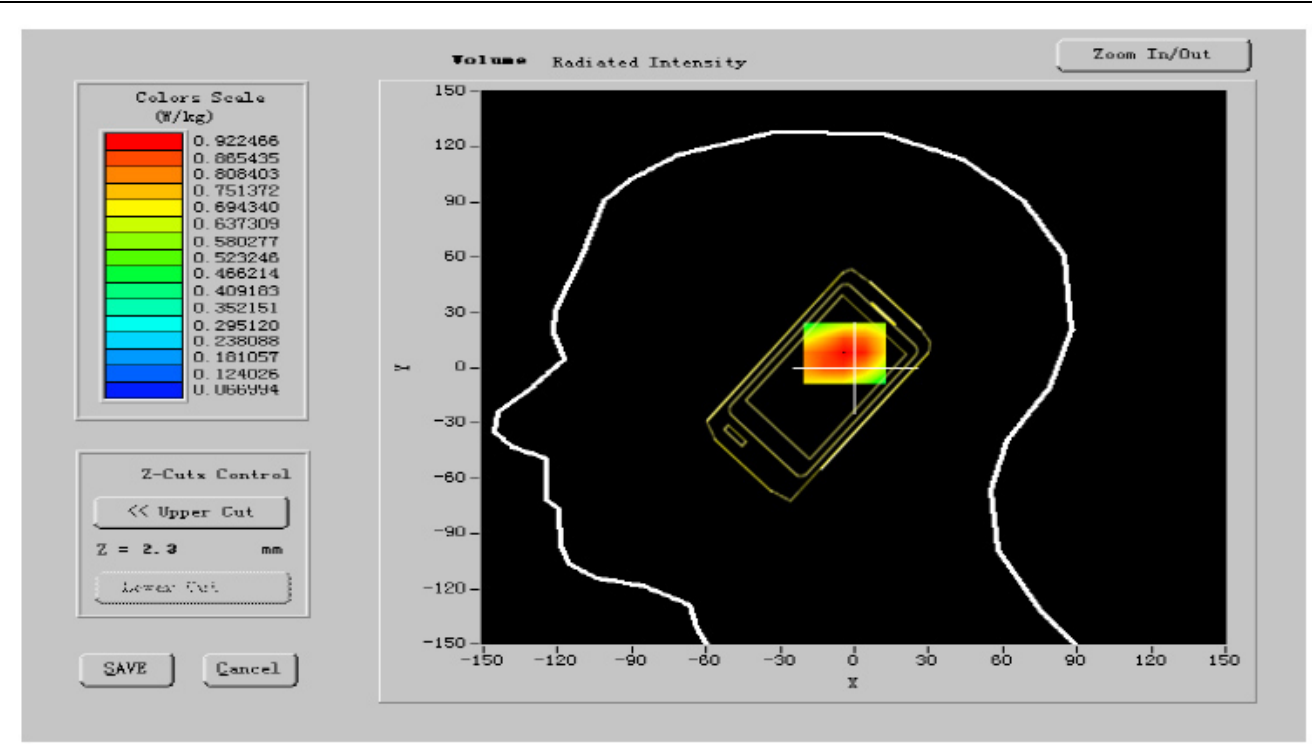
Frequency (MHz)	848.599976
Relative permittivity (real part)	41.262001
Relative permittivity (imaginary part)	19.598200
Conductivity (S/m)	0.923946
Variation (%)	-0.110000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.66, 20.51, 28.36
Crest factor:	1:8



SURFACE SAR



VOLUME SAR





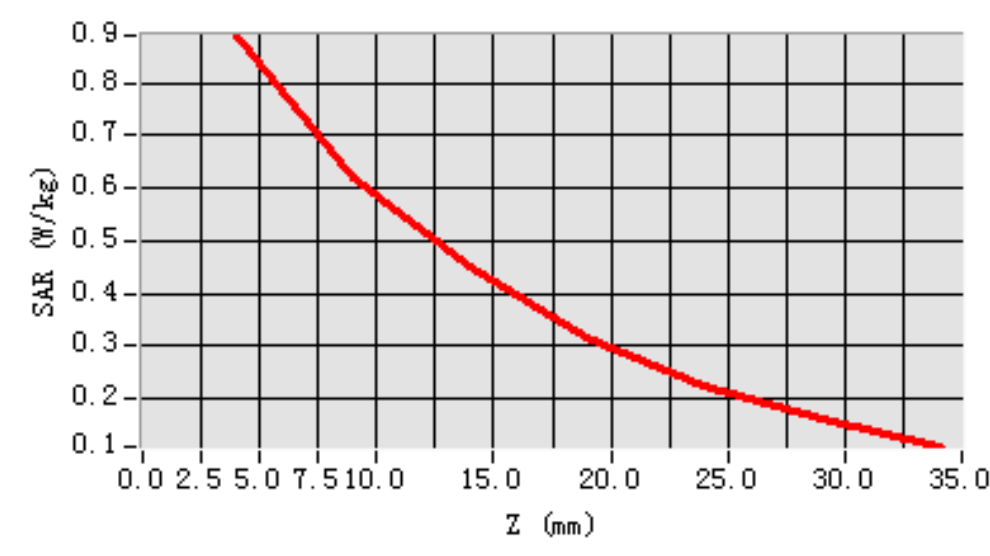
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.555620
SAR 1g (W/Kg)	0.831265

Z Axis Scan

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

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



**MEASUREMENT 4****Date of measurement: 3/14/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

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

B. Instrumentations.

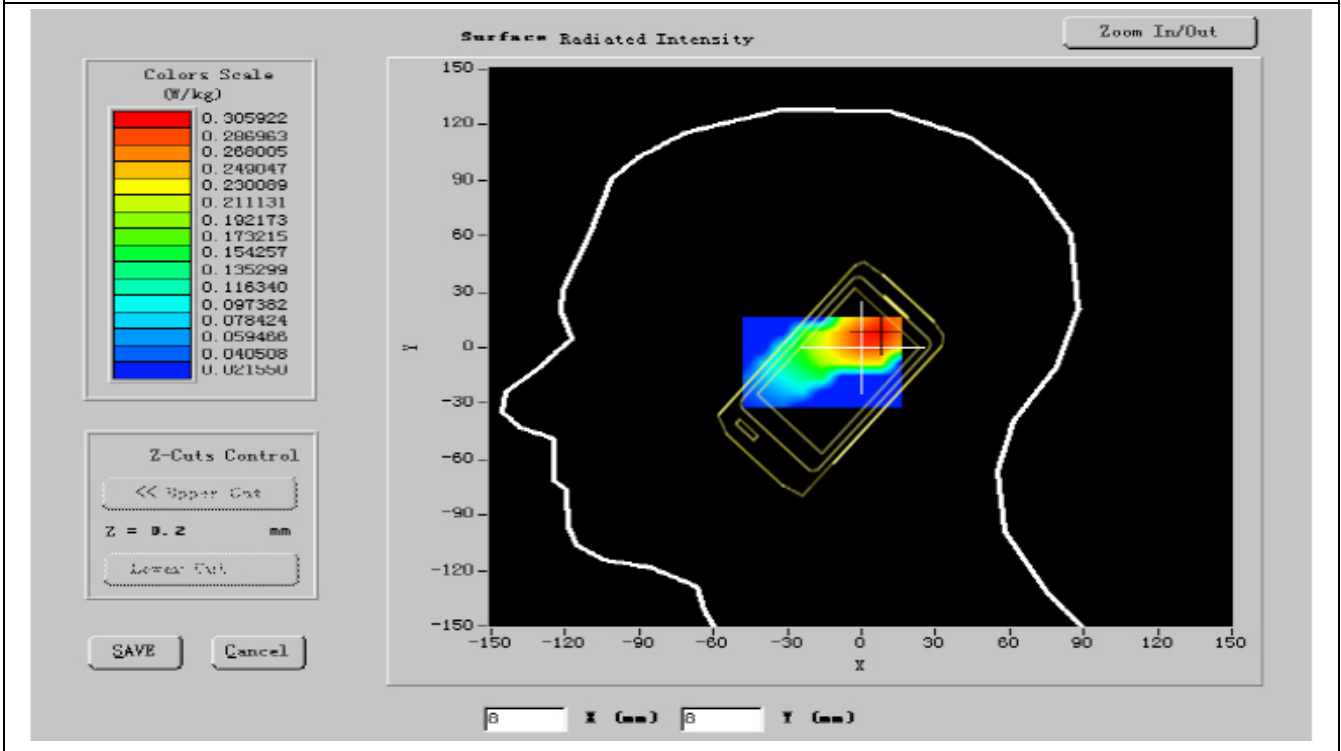
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

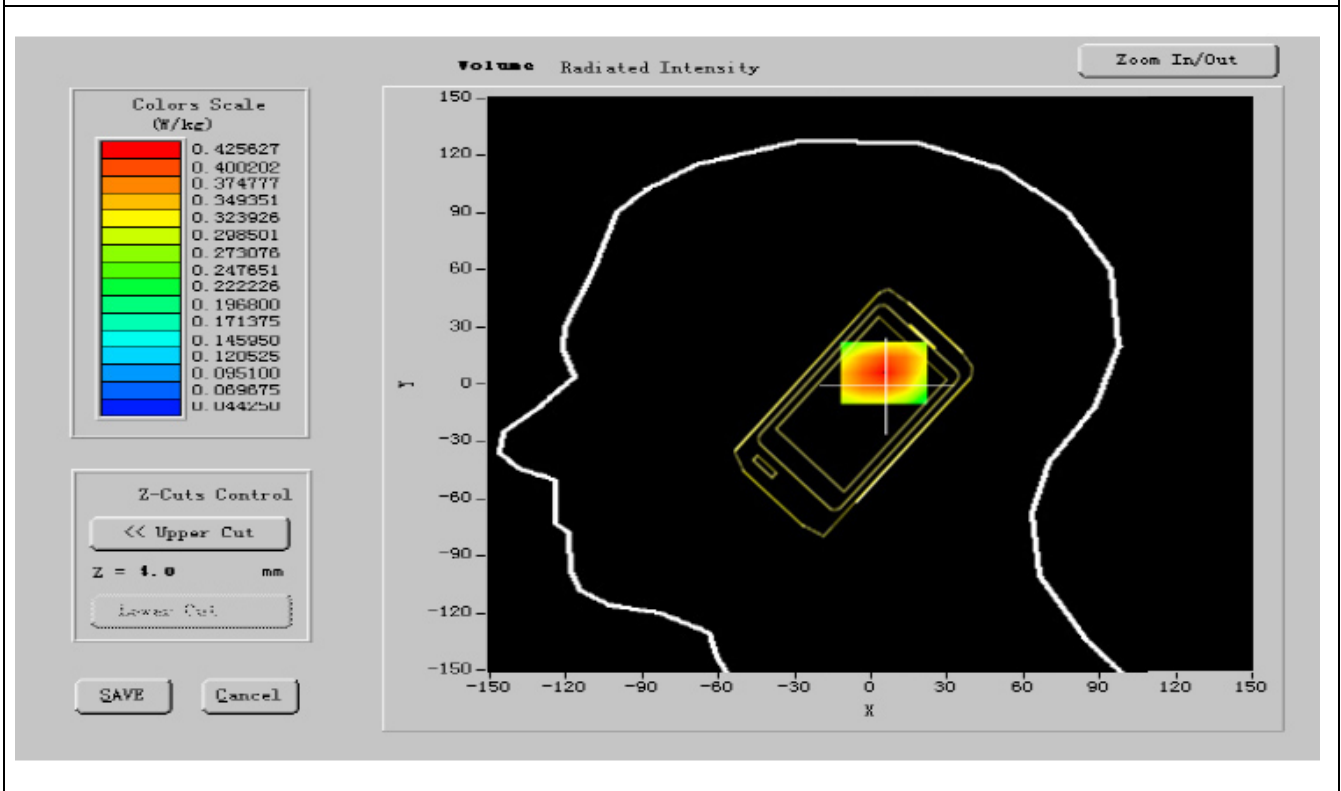
Frequency (MHz)	824.200012
Relative permittivity (real part)	41.466999
Relative permittivity (imaginary part)	19.511101
Conductivity (S/m)	0.913392
Variation (%)	-3.070000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.66, 20.51, 28.36
Crest factor:	1:8



SURFACE SAR



VOLUME SAR





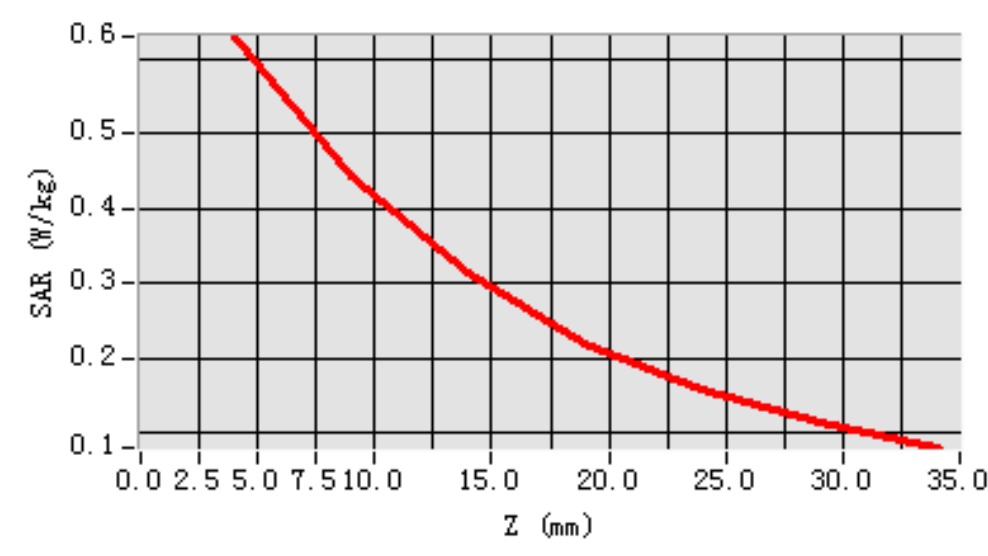
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.365920
SAR 1g (W/Kg)	0.532398

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	0.1111	0.0111

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



**MEASUREMENT 5****Date of measurement: 3/14/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

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

B. Instrumentations.

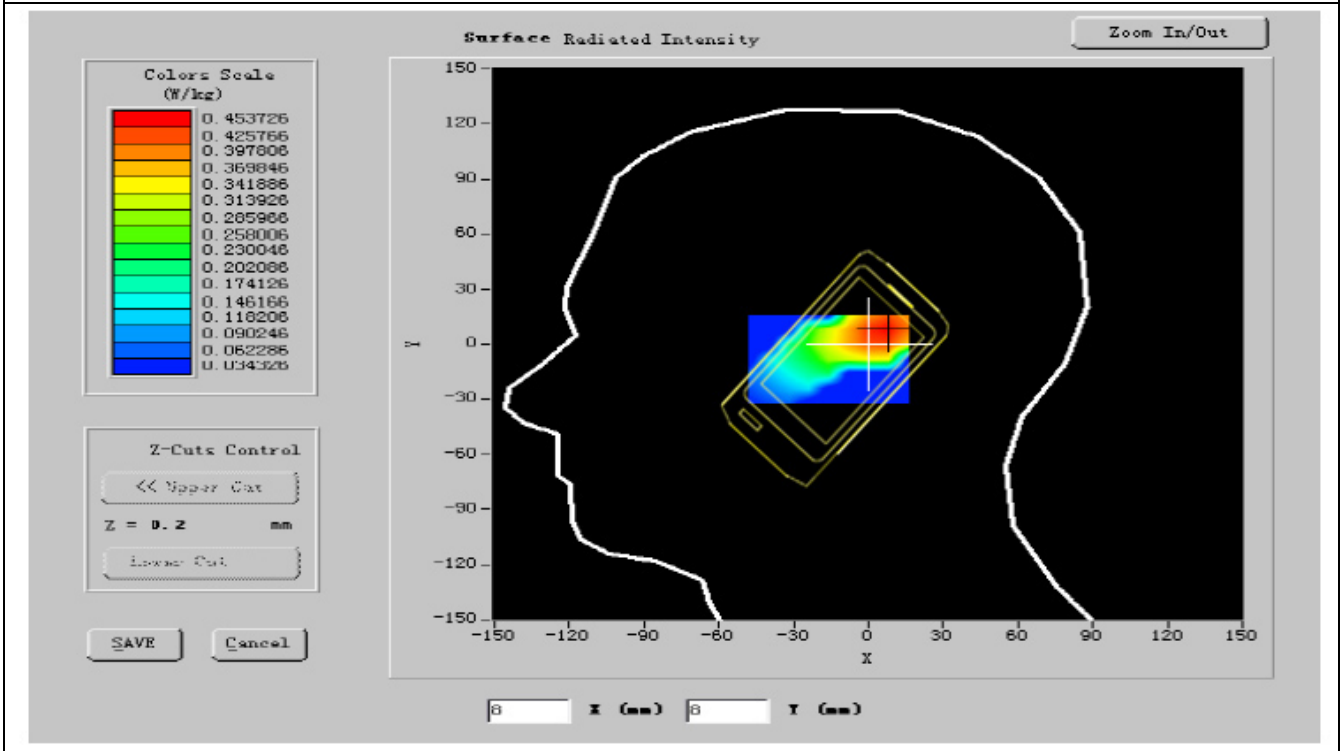
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

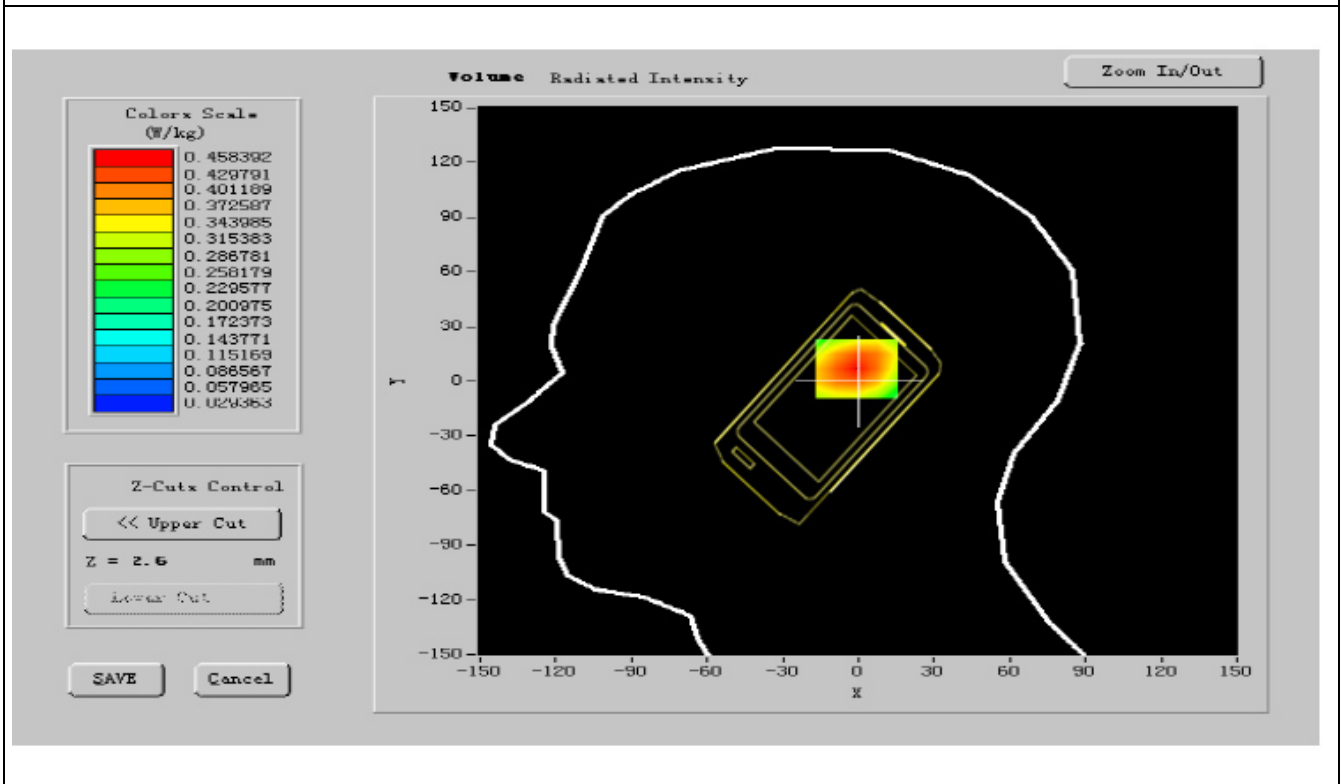
Frequency (MHz)	836.400024
Relative permittivity (real part)	41.466999
Relative permittivity (imaginary part)	19.511101
Conductivity (S/m)	0.913636
Variation (%)	-0.880000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.66, 20.51, 28.36
Crest factor:	1:8



SURFACE SAR



VOLUME SAR





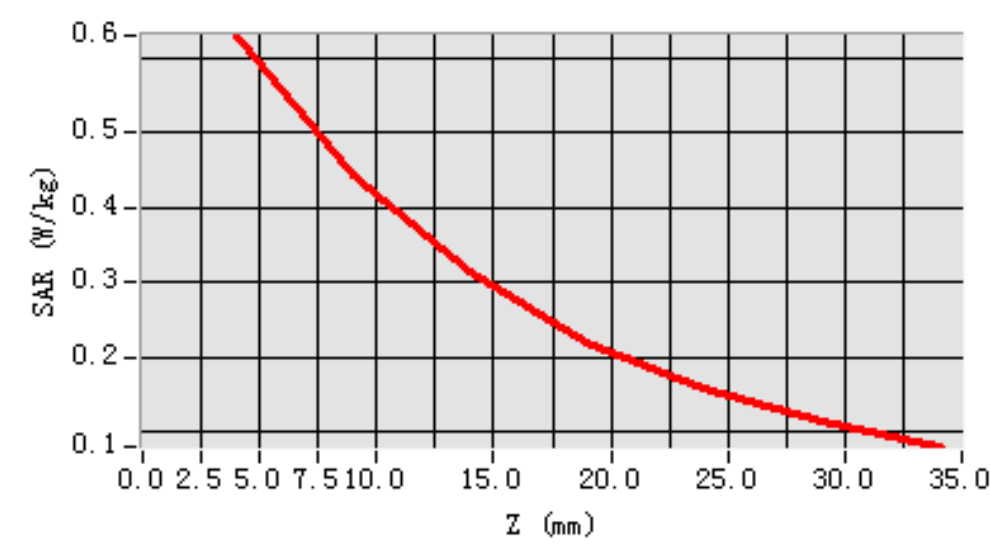
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.412358
SAR 1g (W/Kg)	0.502398

Z Axis Scan

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

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



**MEASUREMENT 6****Date of measurement: 3/14/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

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

B. Instrumentations.

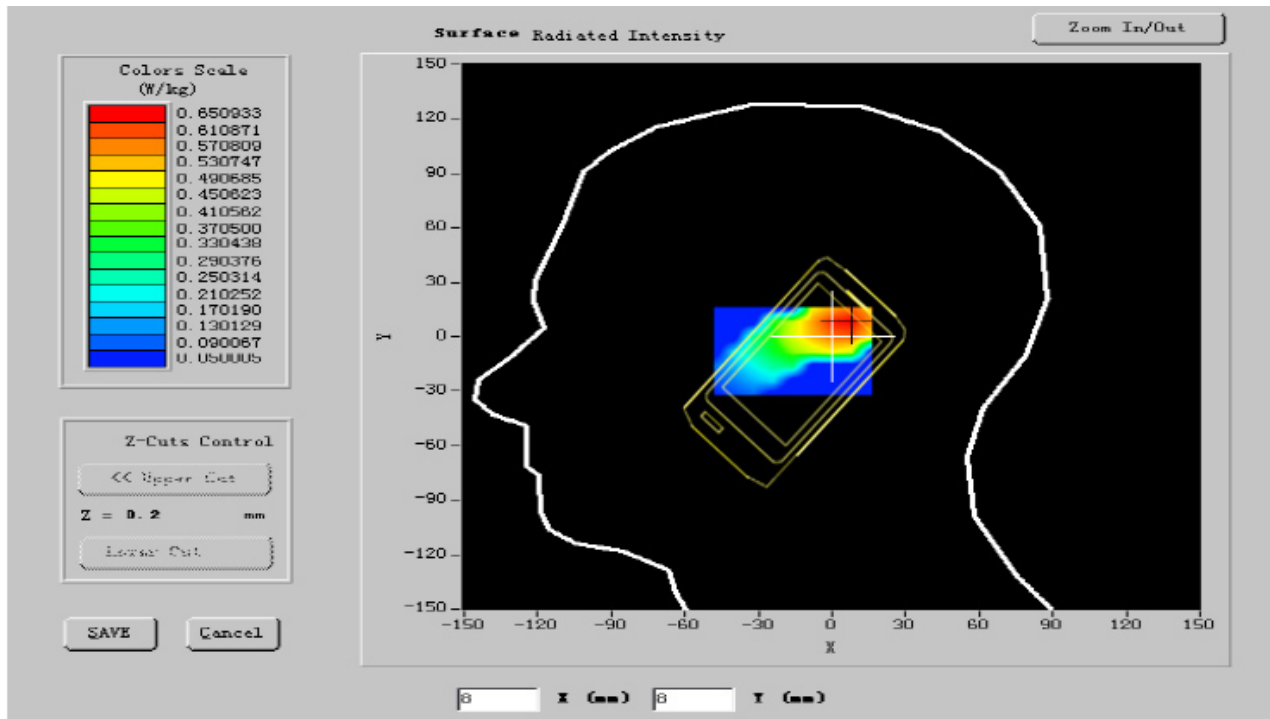
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

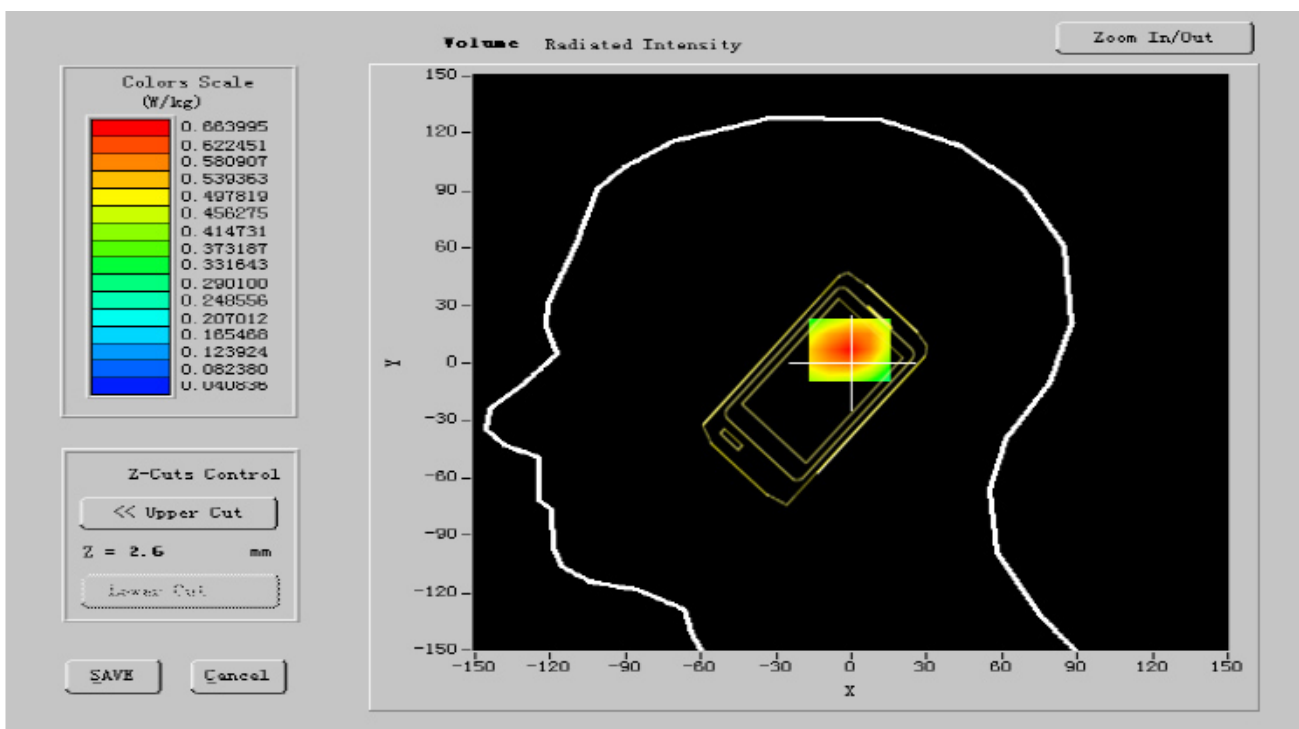
Frequency (MHz)	848.599976
Relative permittivity (real part)	41.262001
Relative permittivity (imaginary part)	19.598200
Conductivity (S/m)	0.923946
Variation (%)	-3.070000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.66, 20.51, 28.36
Crest factor:	1:8



SURFACE SAR



VOLUME SAR





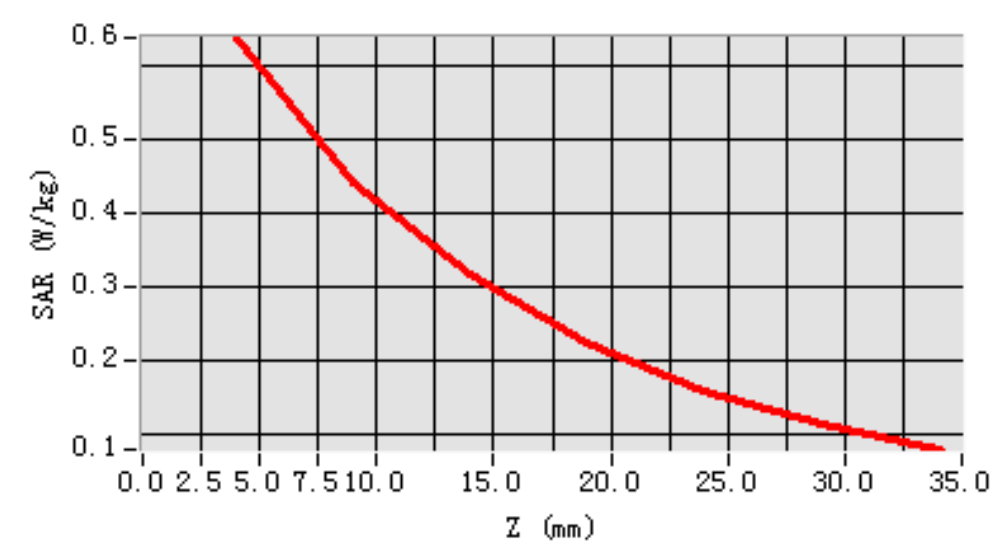
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.416354
SAR 1g (W/Kg)	0.621428

Z Axis Scan

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

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



**MEASUREMENT 7****Date of measurement: 3/14/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

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

B. Instrumentations.

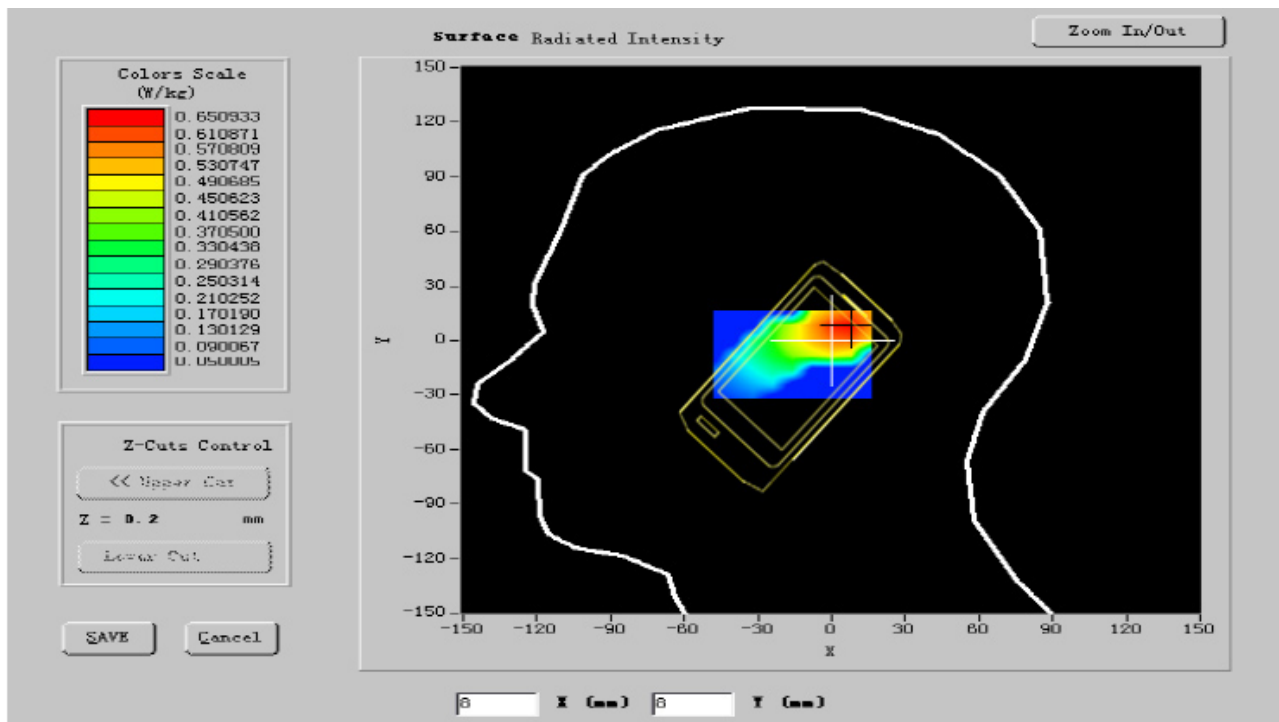
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

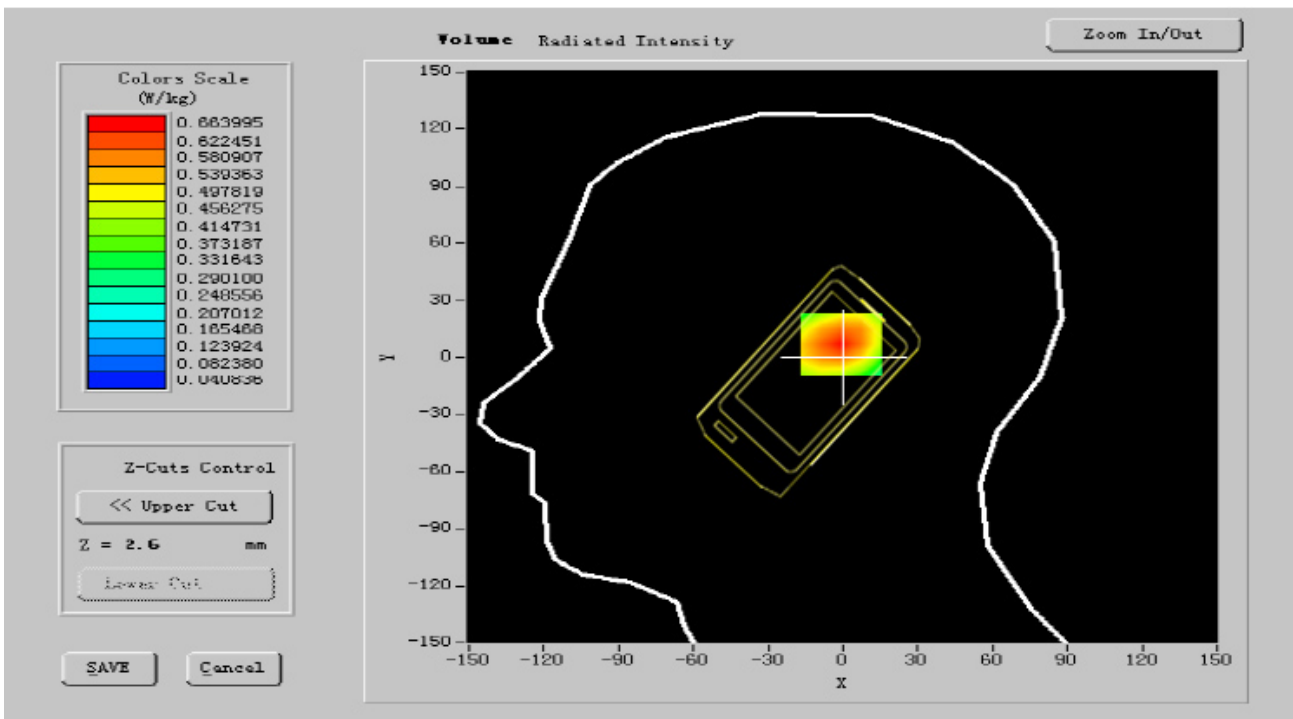
Frequency (MHz)	824.200012
Relative permittivity (real part)	41.466999
Relative permittivity (imaginary part)	19.511101
Conductivity (S/m)	0.923372
Variation (%)	-1.240000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.66, 20.51, 28.36
Crest factor:	1:8



SURFACE SAR



VOLUME SAR





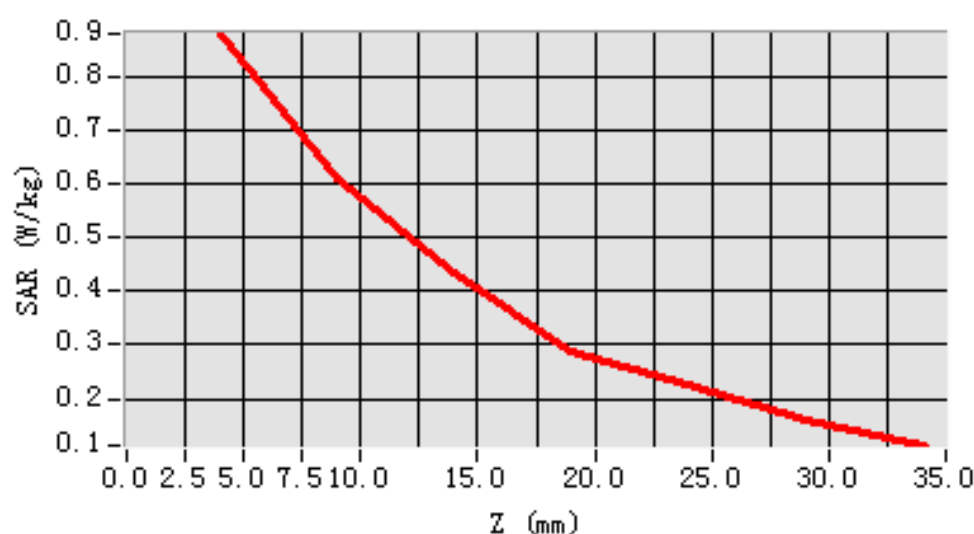
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.536541
SAR 1g (W/Kg)	0.829028

Z Axis Scan

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

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



**MEASUREMENT 8****Date of measurement: 3/14/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

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

B. Instrumentations.

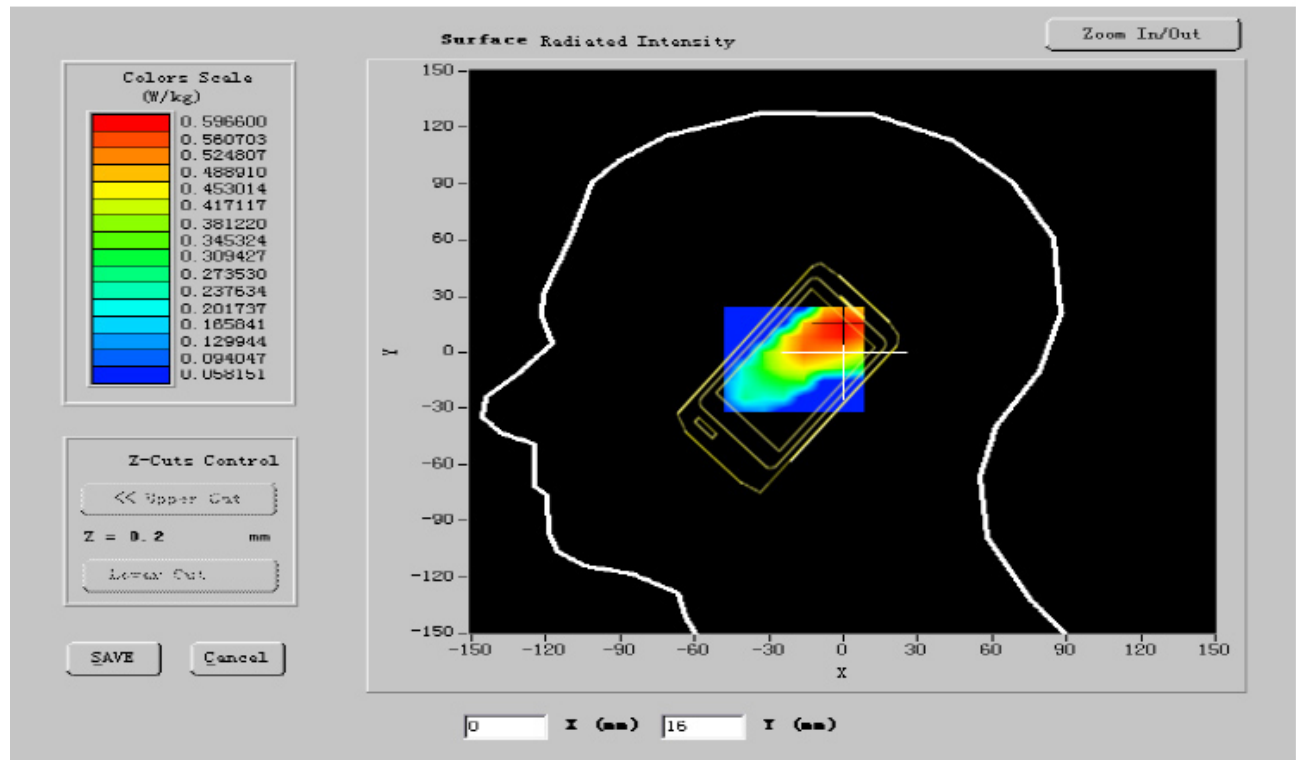
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

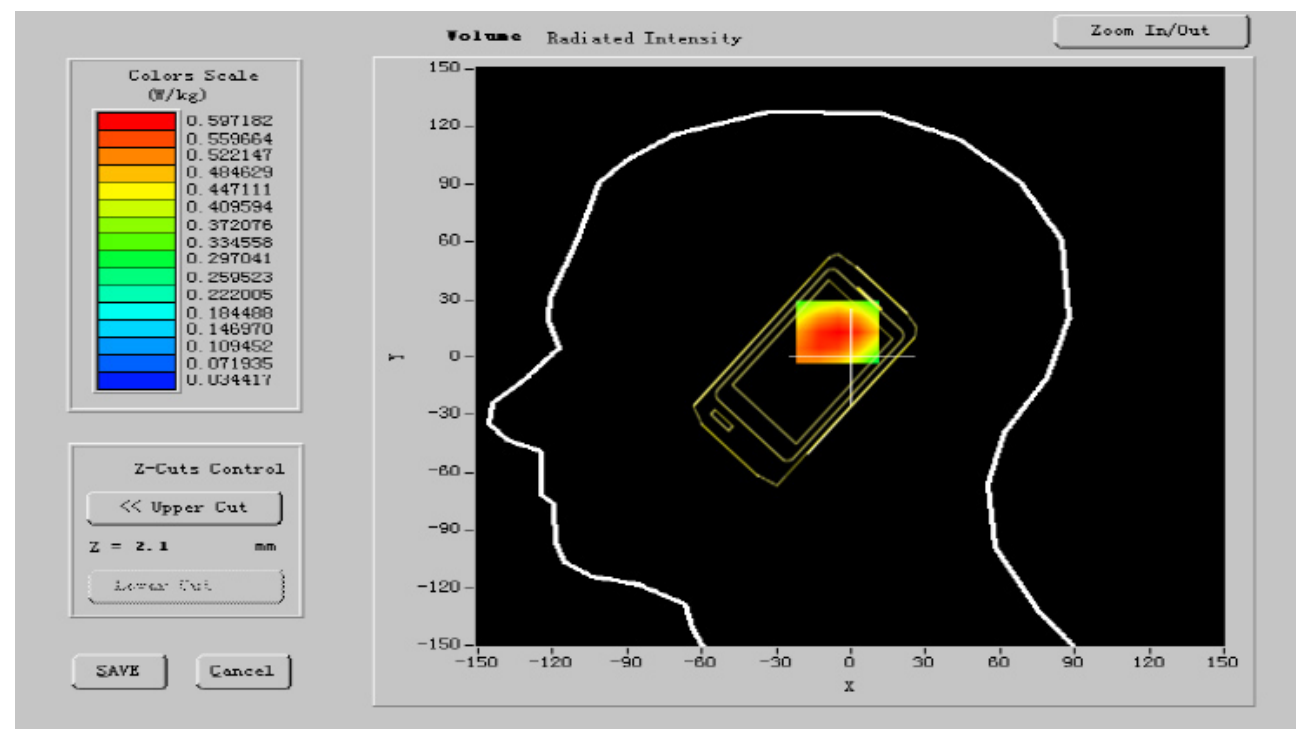
Frequency (MHz)	836.400024
Relative permittivity (real part)	41.466999
Relative permittivity (imaginary part)	19.511101
Conductivity (S/m)	0.9163242
Variation (%)	-1.240000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.66, 20.51, 28.36
Crest factor:	1:8



SURFACE SAR



VOLUME SAR





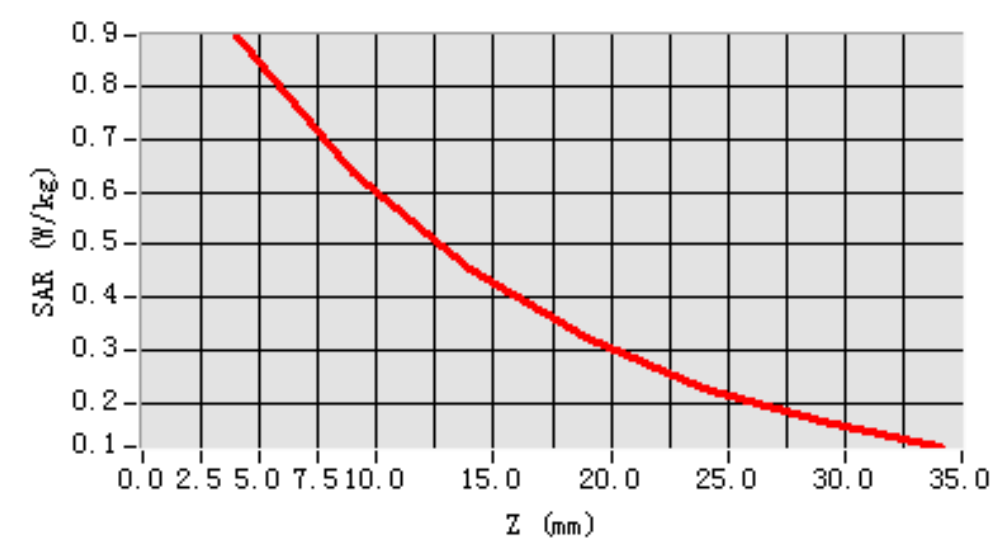
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.559310
SAR 1g (W/Kg)	0.834513

Z Axis Scan

Z(mm)	0.00	4.00	9.00		14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.8507	0.5334	0.	4132	0.2832	0.2132	0.1353

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



**MEASUREMENT 9****Date of measurement: 3/14/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

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

B. Instrumentations.

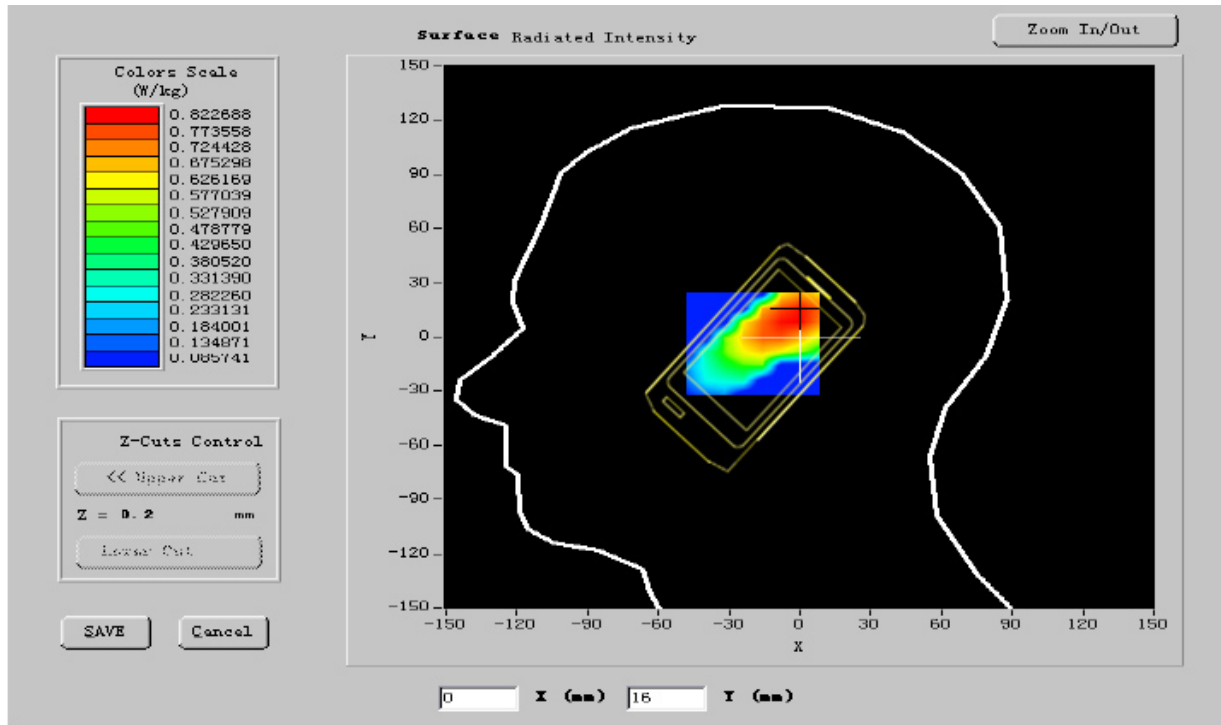
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

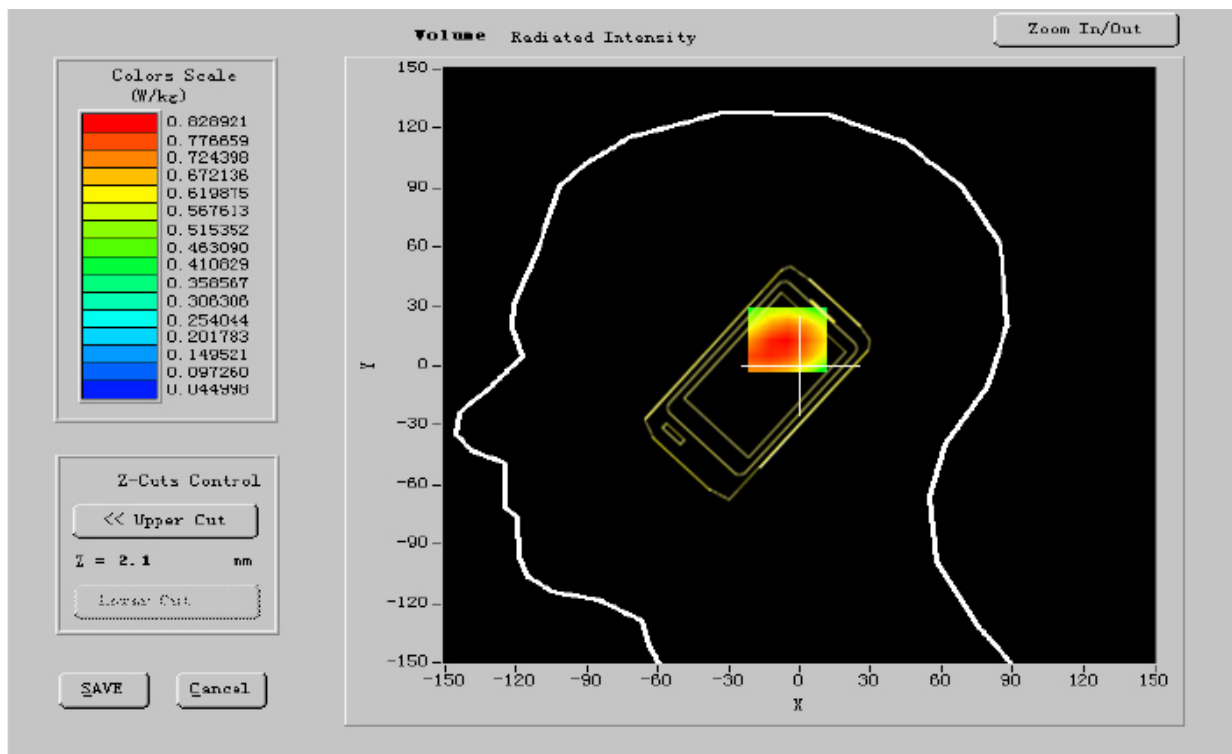
Frequency (MHz)	848.599976
Relative permittivity (real part)	41.278801
Relative permittivity (imaginary part)	19.598200
Conductivity (S/m)	0.923946
Variation (%)	-1.200000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.66, 20.51, 28.36
Crest factor:	1:8



SURFACE SAR



VOLUME SAR





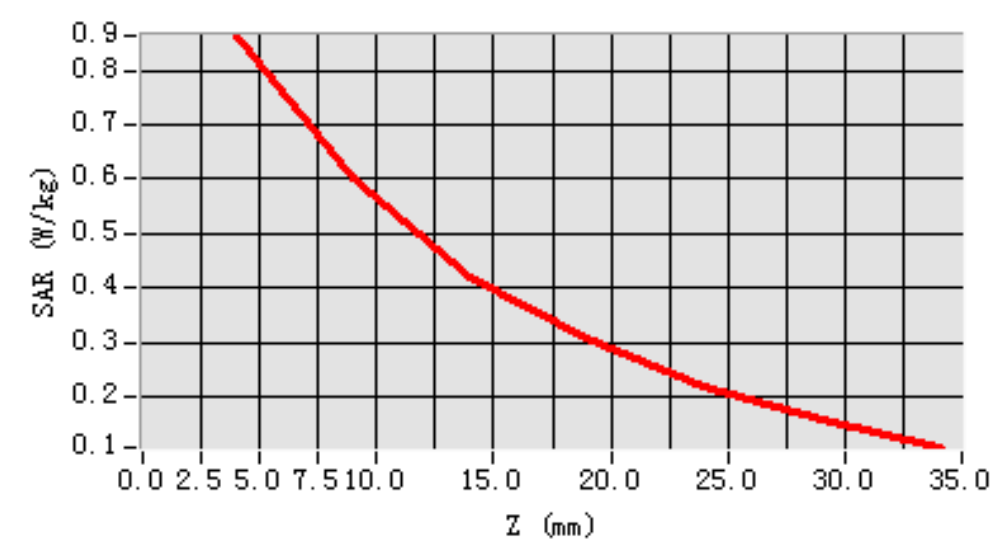
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.538640
SAR 1g (W/Kg)	0.805150

Z Axis Scan

Z(mm)	0.00	4.00	9.00		14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.8129	0.5323	0.	4545	0.2834	0.2132	0.1323

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



**MEASUREMENT 10****Date of measurement: 3/14/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

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

B. Instrumentations.

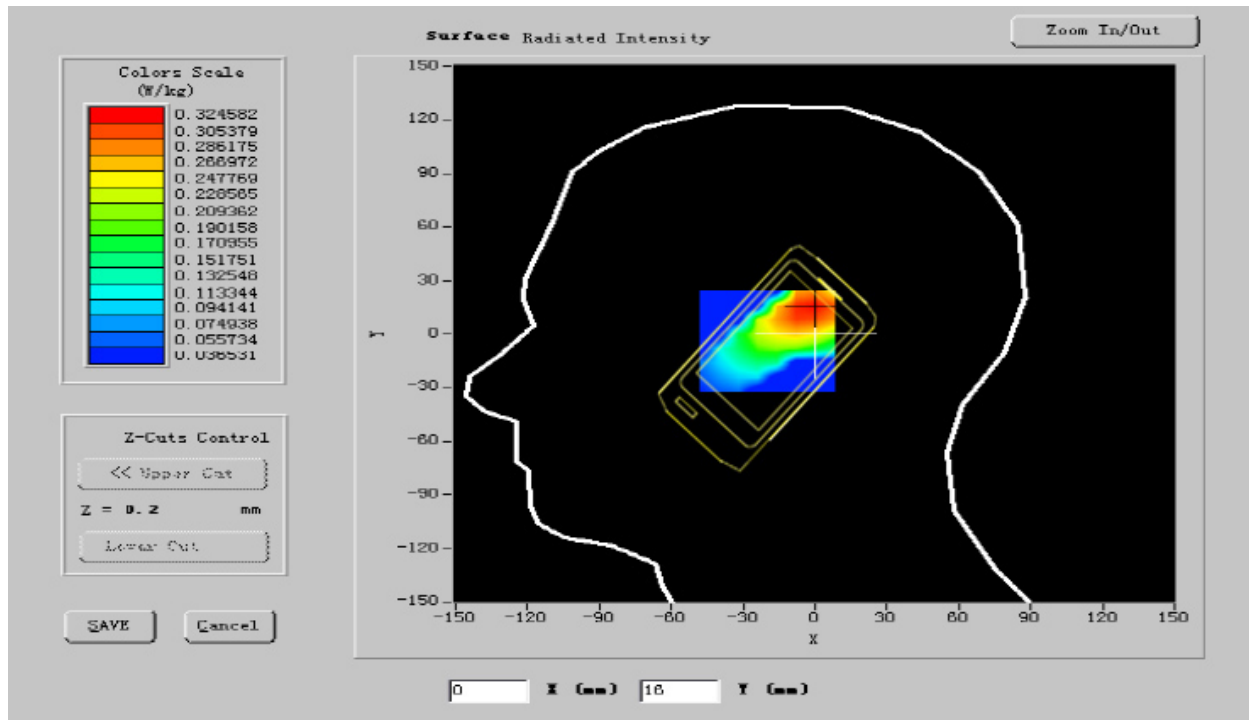
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

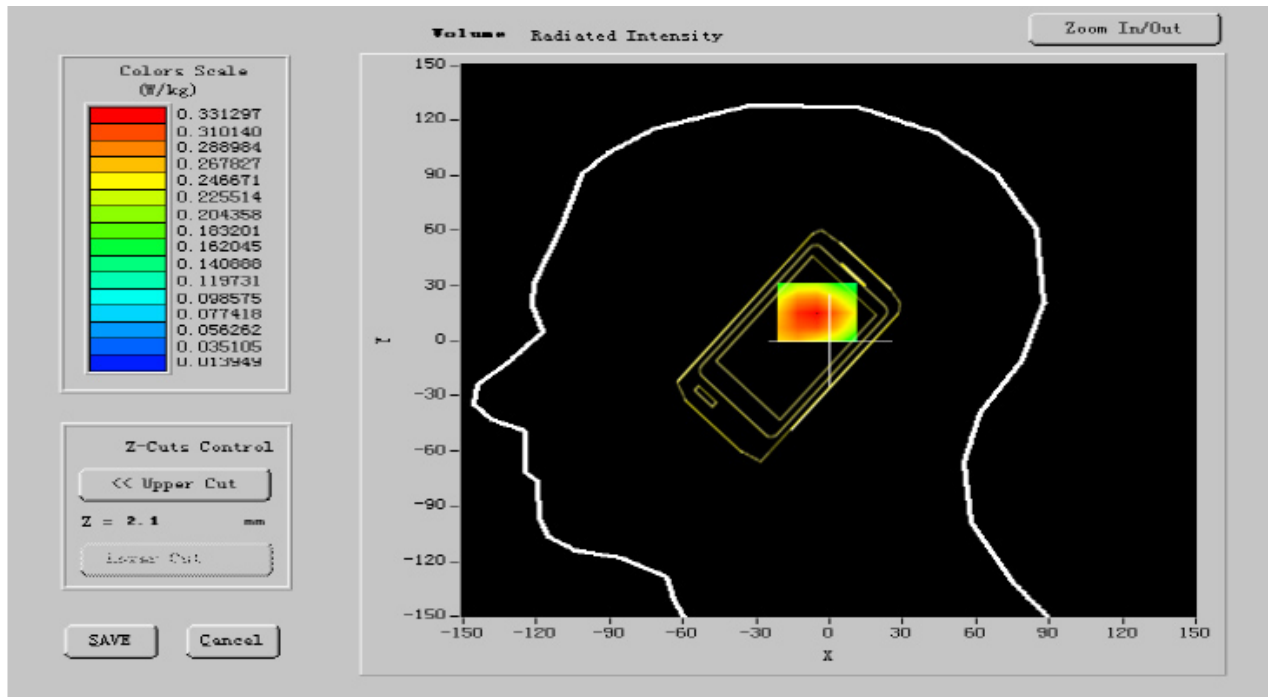
Frequency (MHz)	824.200012
Relative permittivity (real part)	41.466365
Relative permittivity (imaginary part)	19.511101
Conductivity (S/m)	0.923253
Variation (%)	-0.170000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.66, 20.51, 28.36
Crest factor:	1:8



SURFACE SAR



VOLUME SAR





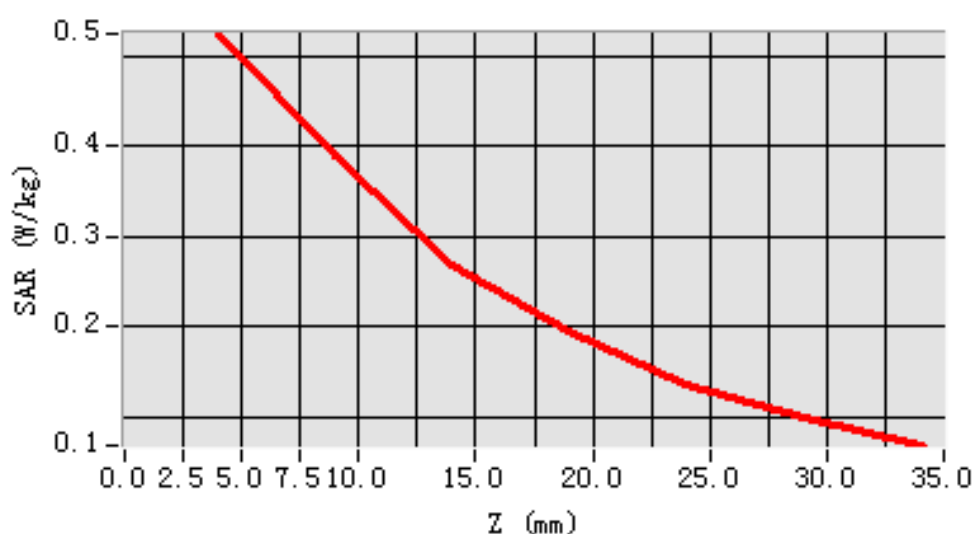
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.333695
SAR 1g (W/Kg)	0.447852

Z Axis Scan

Z(mm)	0.00	4.00	9.00		14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.4918	0.5332	0.	2564	0.1821	0.1443	0.1454

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



**MEASUREMENT 11****Date of measurement: 3/14/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

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

B. Instrumentations.

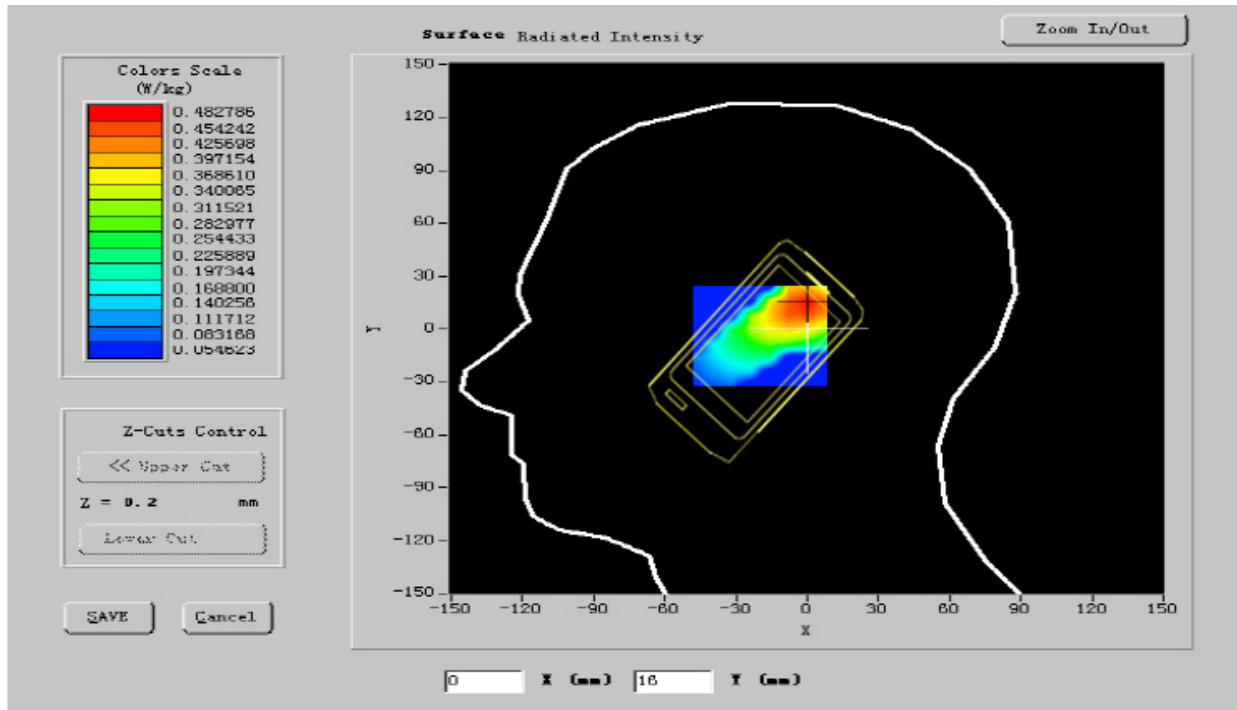
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

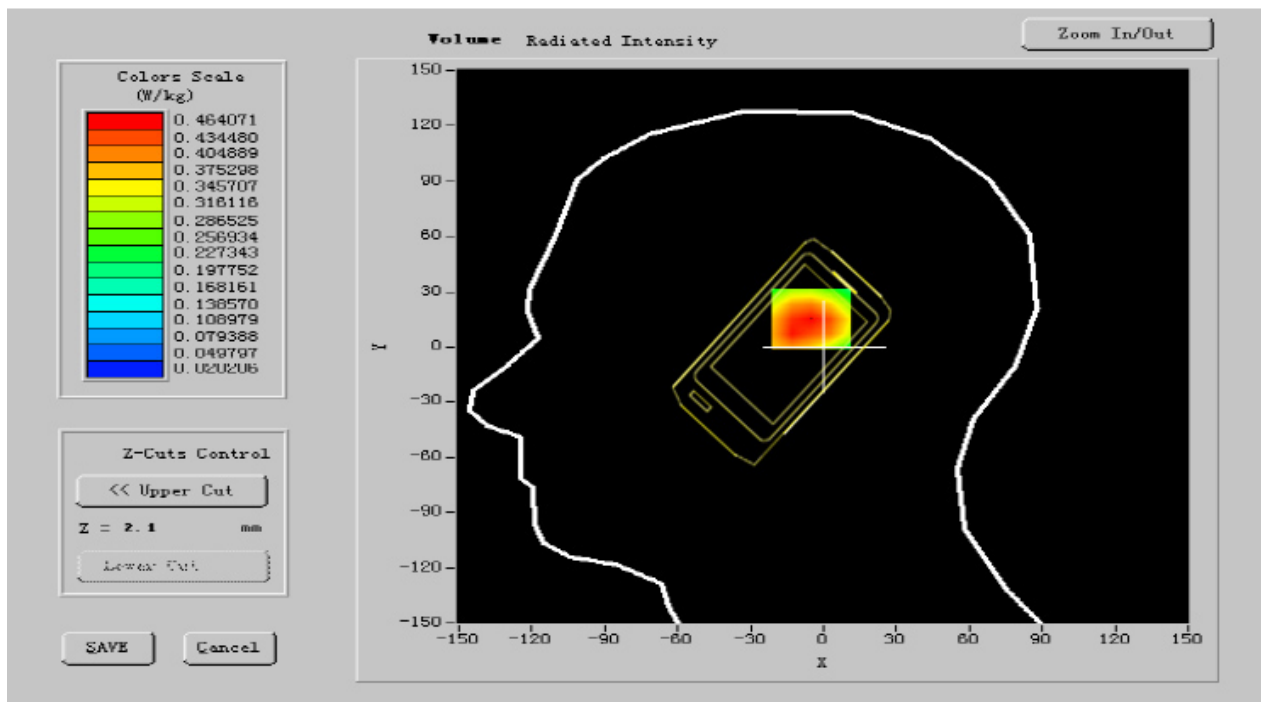
Frequency (MHz)	836.400024
Relative permittivity (real part)	41.467953
Relative permittivity (imaginary part)	19.511101
Conductivity (S/m)	0.916214
Variation (%)	-1.170000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.66, 20.51, 28.36
Crest factor:	1:8



SURFACE SAR



VOLUME SAR





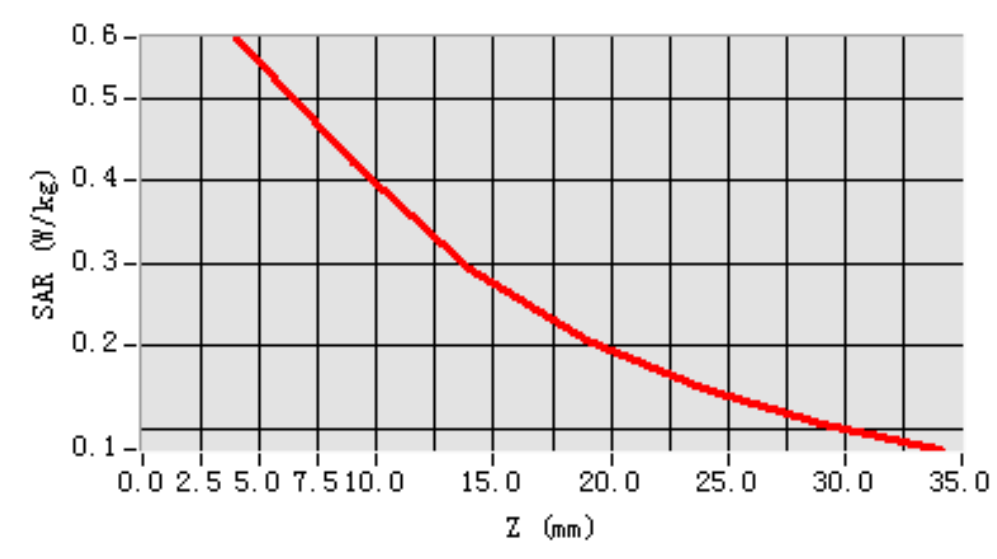
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.368301
SAR 1g (W/Kg)	0.534397

Z Axis Scan

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

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





MEASUREMENT 12

Date of measurement: 3/14/2011

Area Scan: 7 x 7 x 1

dx=15mm

dy=15mm

Zoom Scan: 5 x 5 x 7

dx=5mm

dy=5mm

dz=5mm

Z Axis Scan: 1 x 1 x 21

dx=20mm

dy=20mm

dz=5mm

A. Experimental conditions.

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

B. Instrumentations.

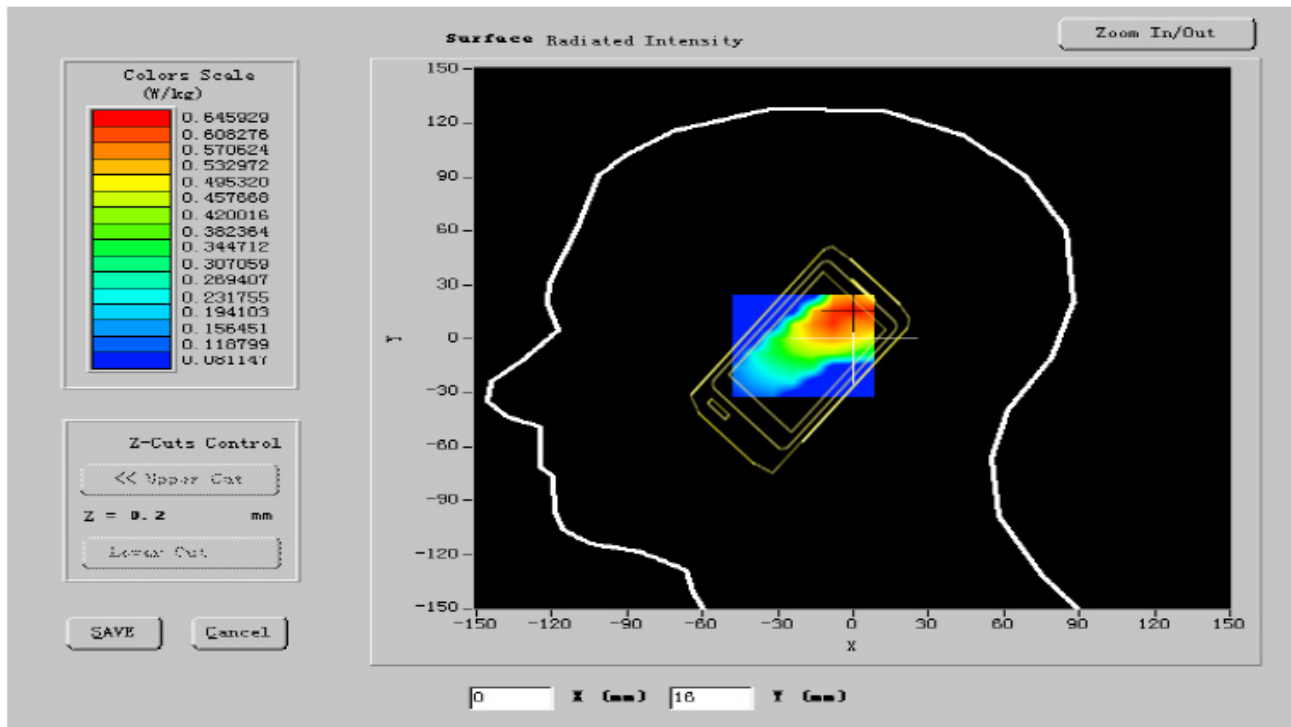
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

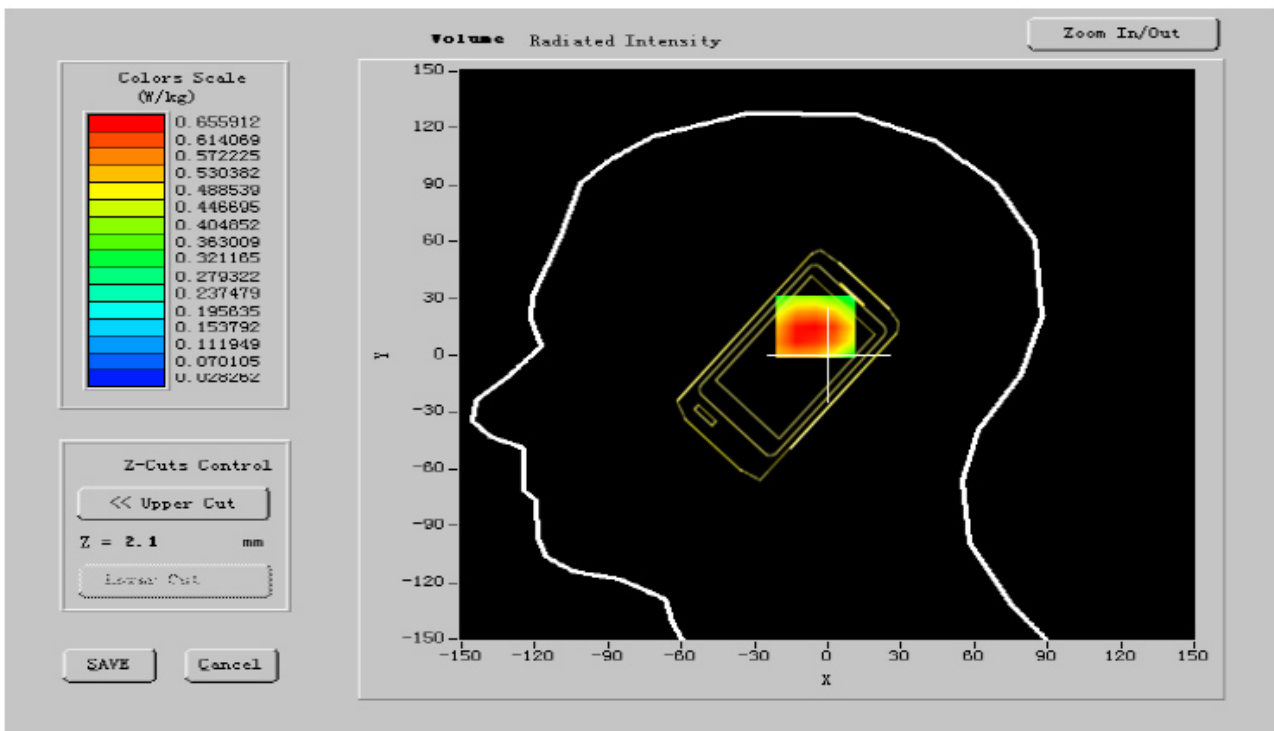
Frequency (MHz)	848.599976
Relative permittivity (real part)	41.262023
Relative permittivity (imaginary part)	19.598200
Conductivity (S/m)	0.923946
Variation (%)	-1.000000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.66, 20.51, 28.36
Crest factor:	1:8



SURFACE SAR



VOLUME SAR





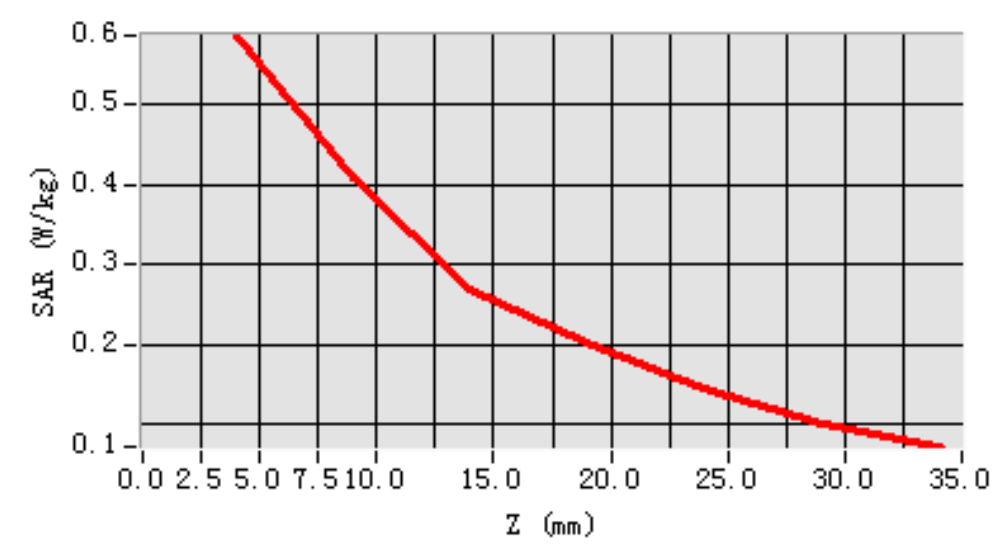
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.359632
SAR 1g (W/Kg)	0.514566

Z Axis Scan

Z(mm)	0.00	4.00	9.00		14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.5510	0.4142	0.	2664	0.2020	0.1543	0.1054

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



**MEASUREMENT 13****Date of measurement: 3/14/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

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

B. Instrumentations.

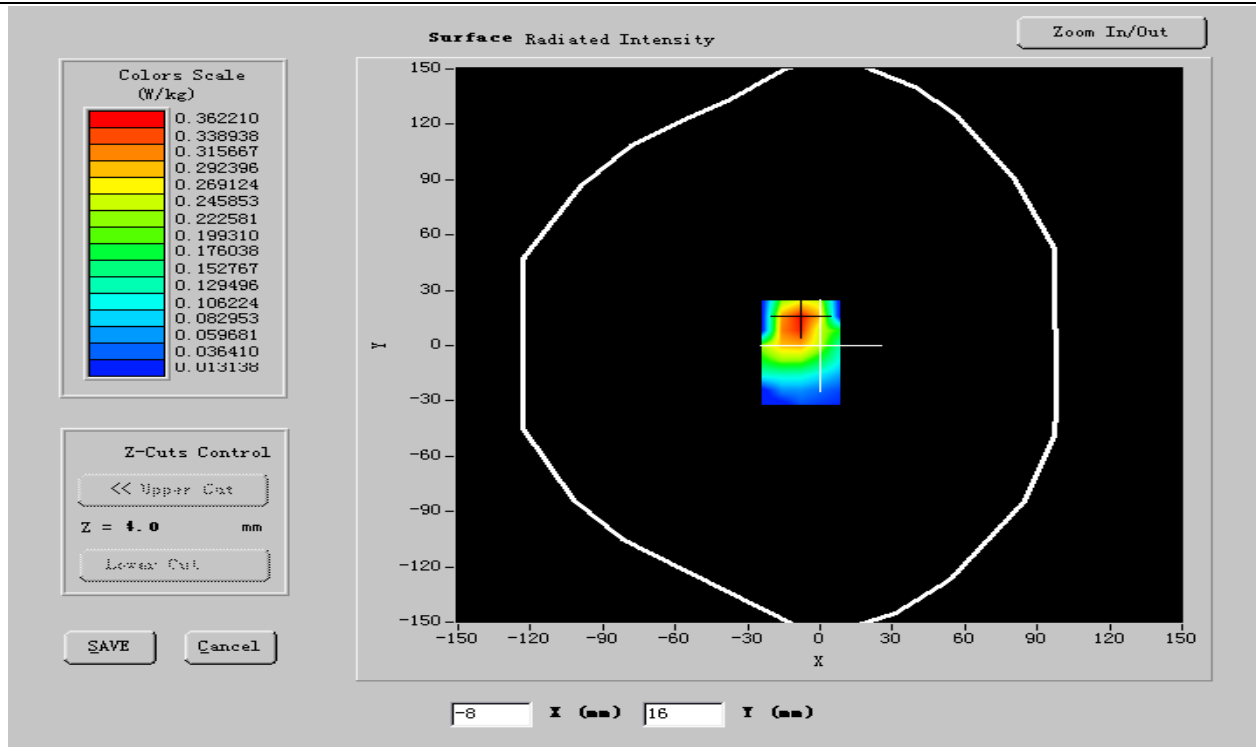
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

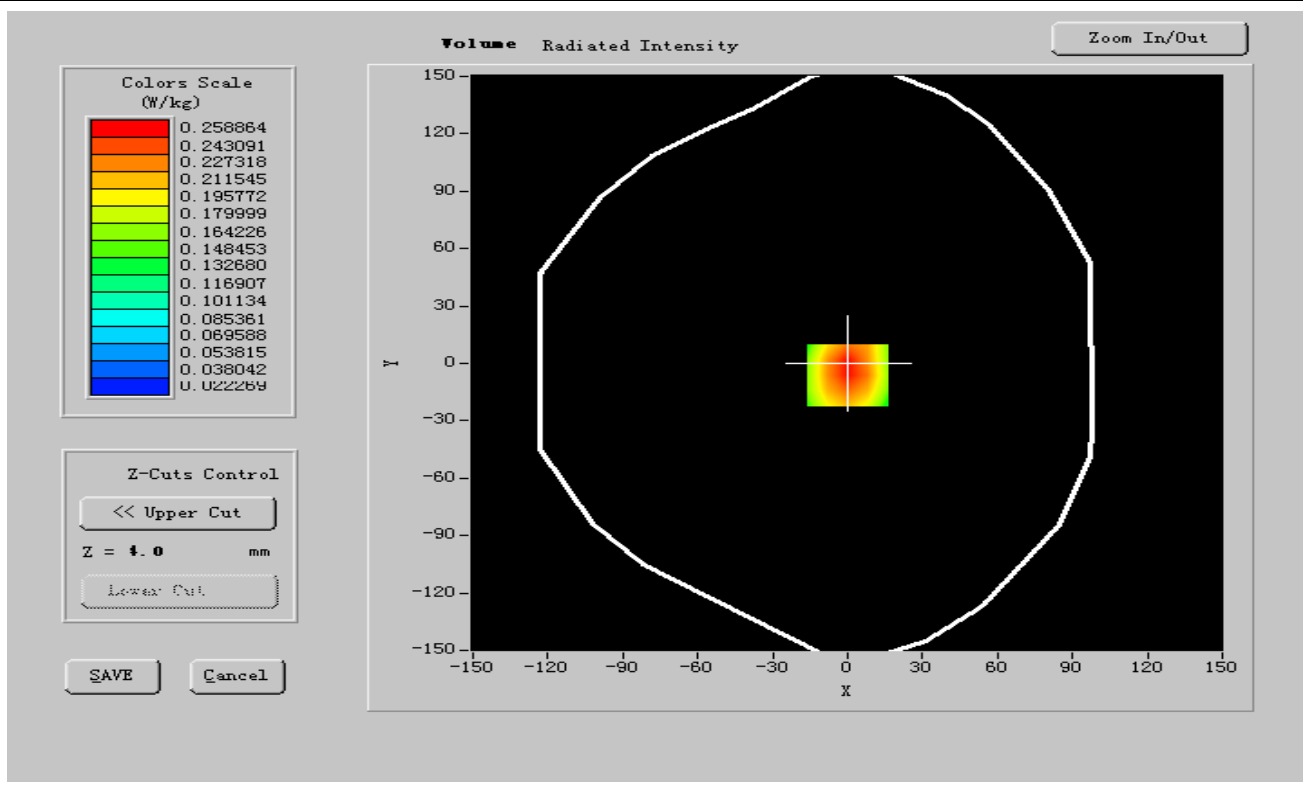
Frequency (MHz)	824.200012
Relative permittivity (real part)	56.514000
Relative permittivity (imaginary part)	21.654150
Conductivity (S/m)	0.984519
Variation (%)	-2.120000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.00, 19.88, 27.77
Crest factor:	1:8



SURFACE SAR



VOLUME SAR





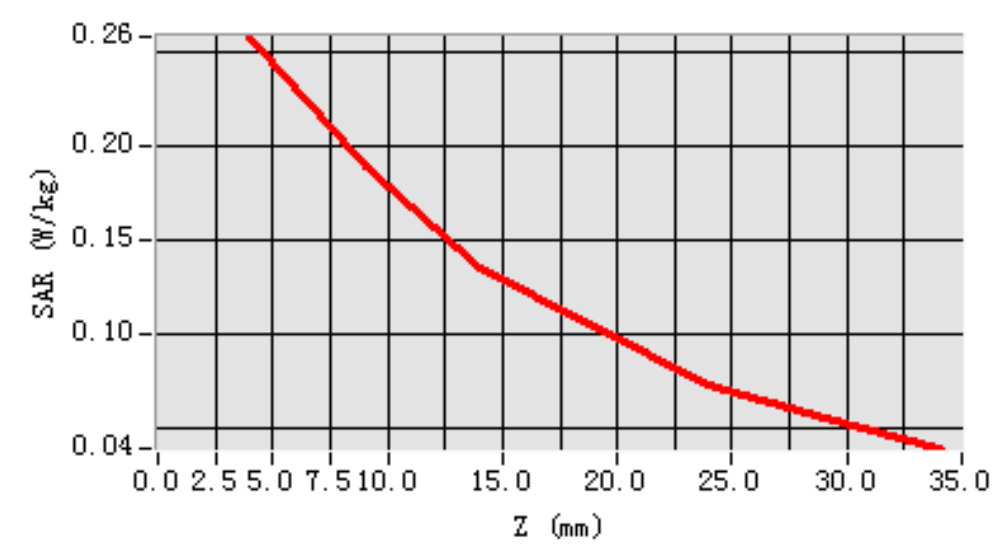
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.166891
SAR 1g (W/Kg)	0.224597

Z Axis Scan

Z(mm)	0.00	4.00	9.00		14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.2512	0.1242	0.	1464	0.1020	0.0631	0.0454

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





MEASUREMENT 14

Date of measurement: 3/14/2011

Area Scan: 7 x 7 x 1

dx=15mm

dy=15mm

Zoom Scan: 5 x 5 x 7

dx=5mm

dy=5mm

dz=5mm

Z Axis Scan: 1 x 1 x 21

dx=20mm

dy=20mm

dz=5mm

A. Experimental conditions.

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

B. Instrumentations.

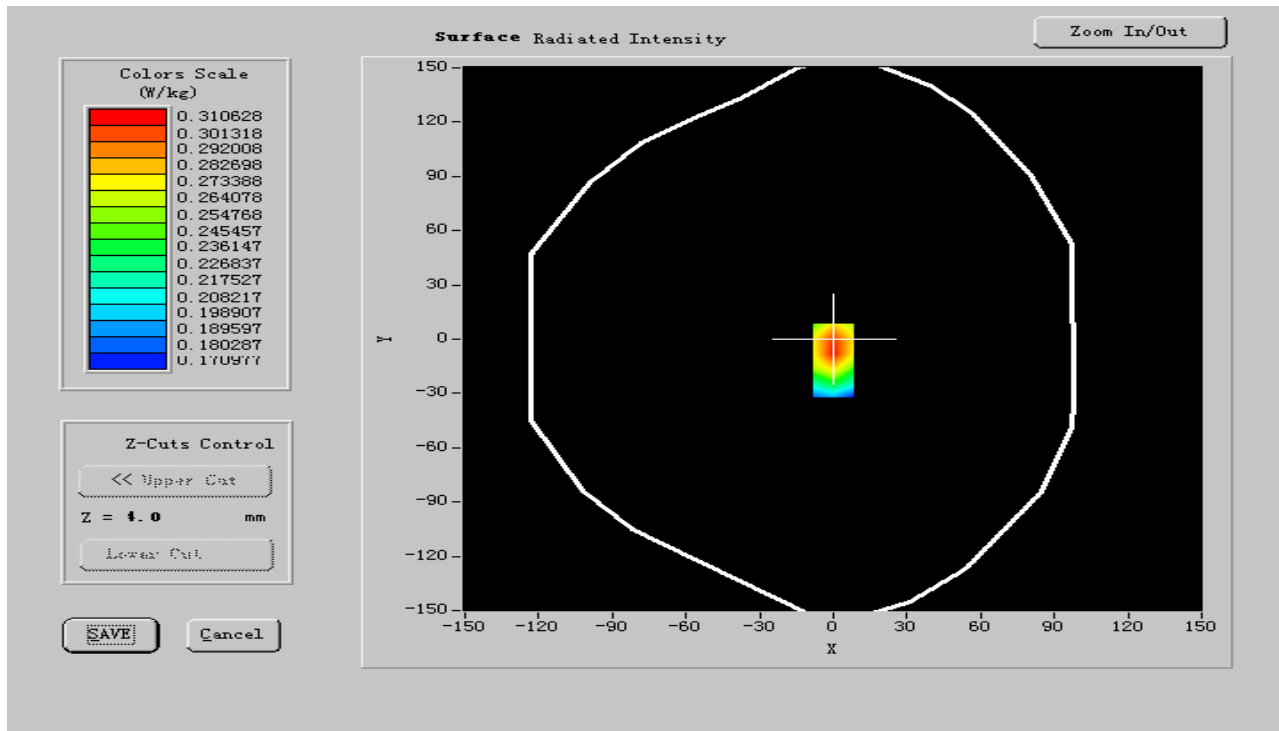
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

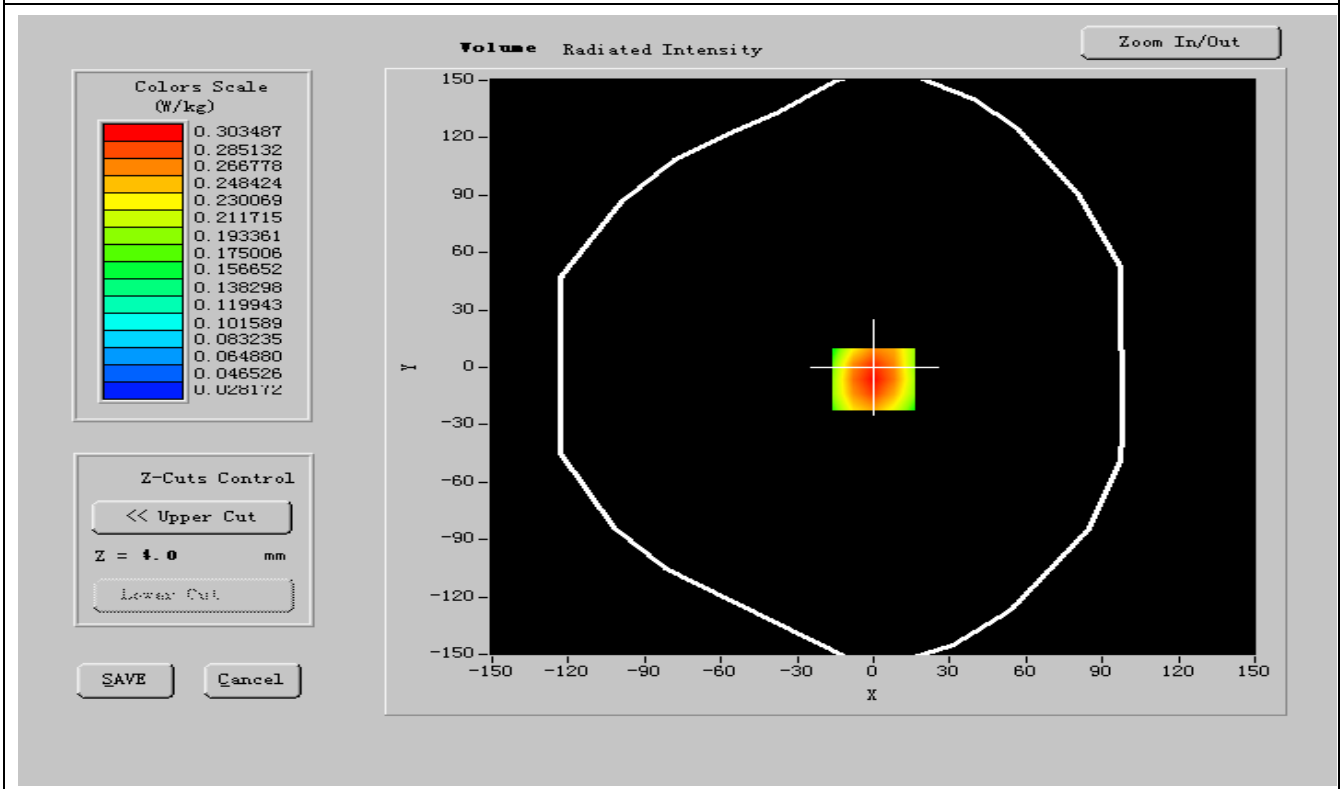
Frequency (MHz)	836.400024
Relative permittivity (real part)	56.501935
Relative permittivity (imaginary part)	21.866249
Conductivity (S/m)	0.986052
Variation (%)	-2.120000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.00, 19.88, 27.77
Crest factor:	1:8



SURFACE SAR



VOLUME SAR





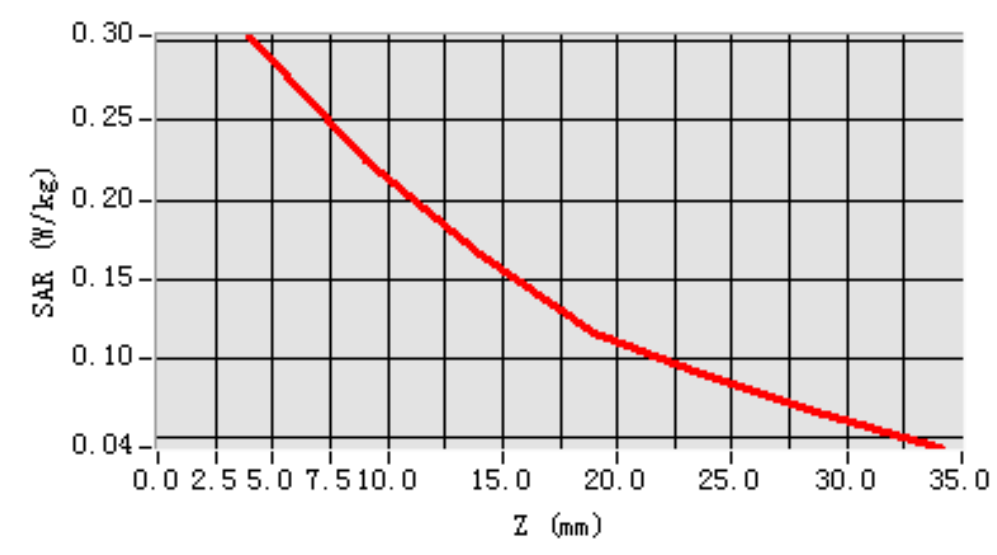
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.216520
SAR 1g (W/Kg)	0.255684

Z Axis Scan

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

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





MEASUREMENT 15

Date of measurement: 3/14/2011

Area Scan: 7 x 7 x 1

dx=15mm

dy=15mm

Zoom Scan: 5 x 5 x 7

dx=5mm

dy=5mm

dz=5mm

Z Axis Scan: 1 x 1 x 21

dx=20mm

dy=20mm

dz=5mm

A. Experimental conditions.

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

B. Instrumentations.

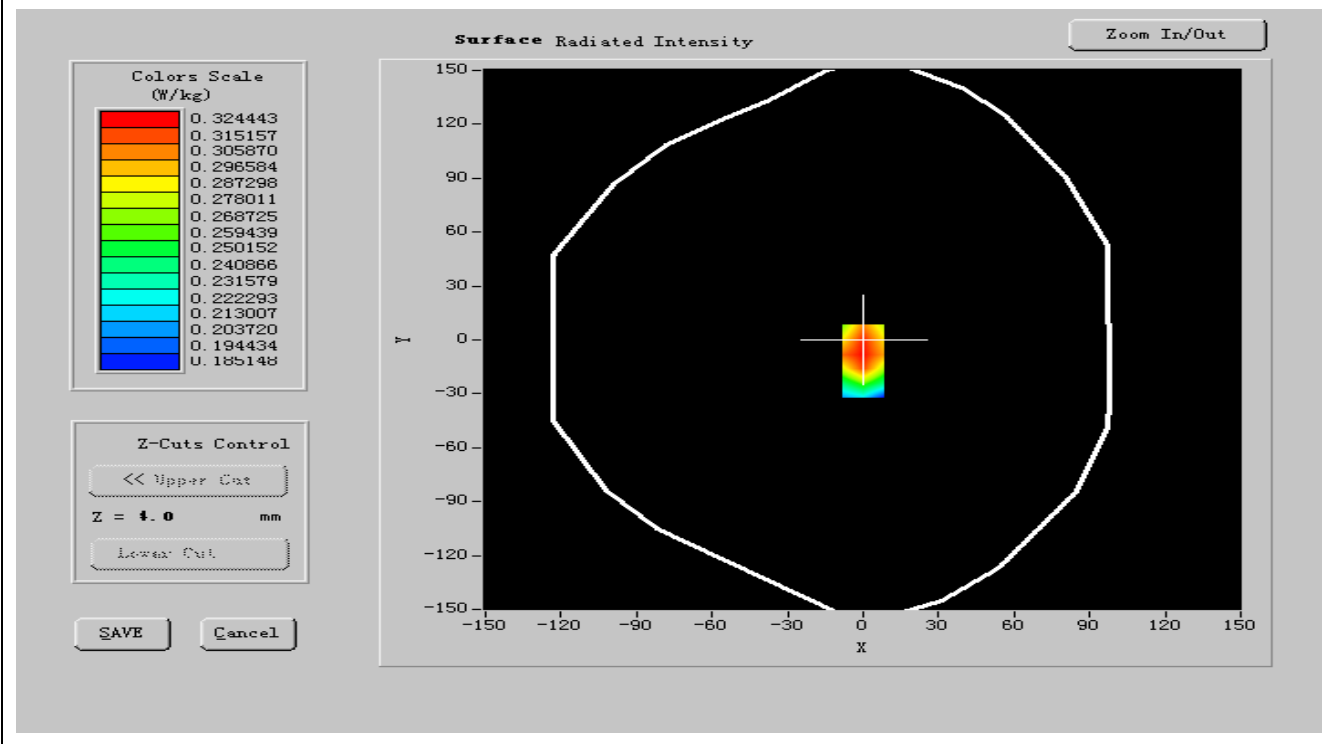
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

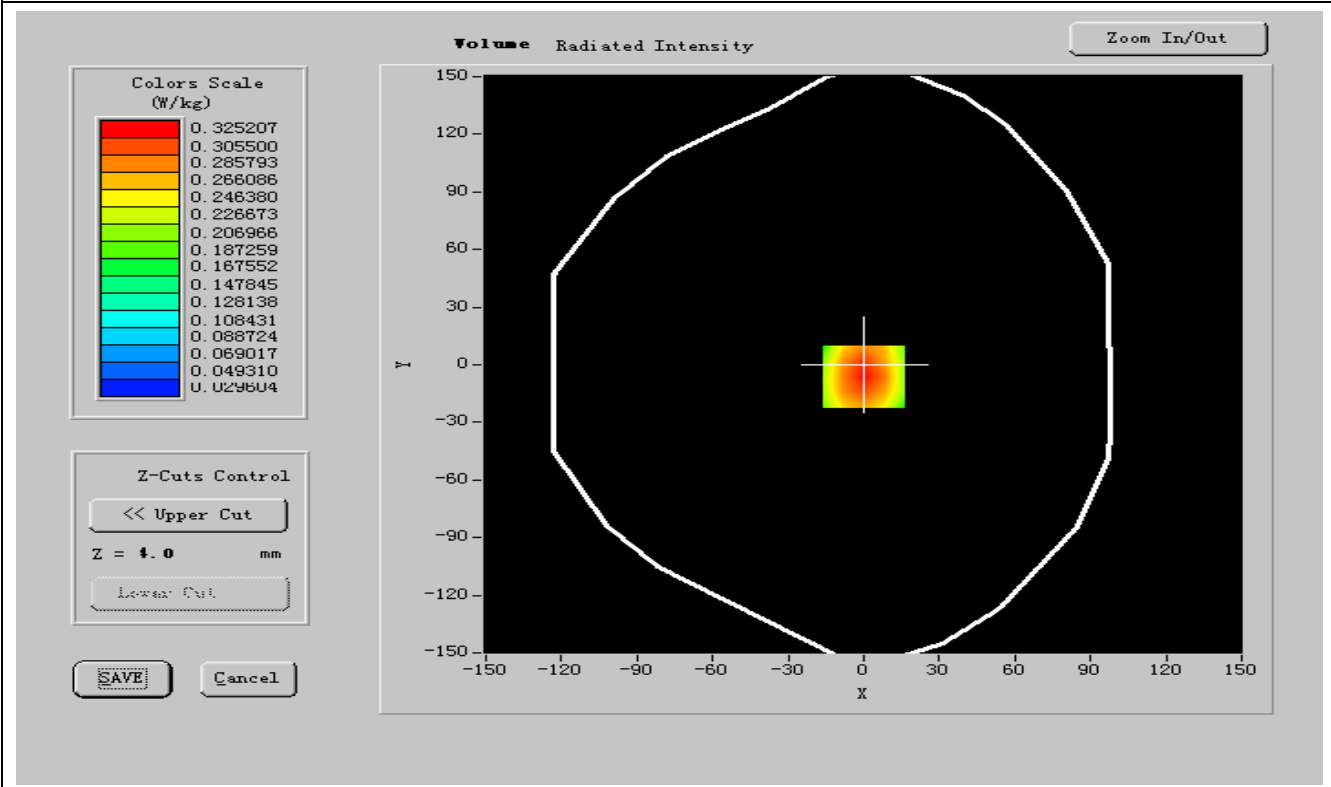
Frequency (MHz)	848.599976
Relative permittivity (real part)	56.508121
Relative permittivity (imaginary part)	21.726601
Conductivity (S/m)	0.983288
Variation (%)	-1.120000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.00, 19.88, 27.77
Crest factor:	1:8



SURFACE SAR



VOLUME SAR





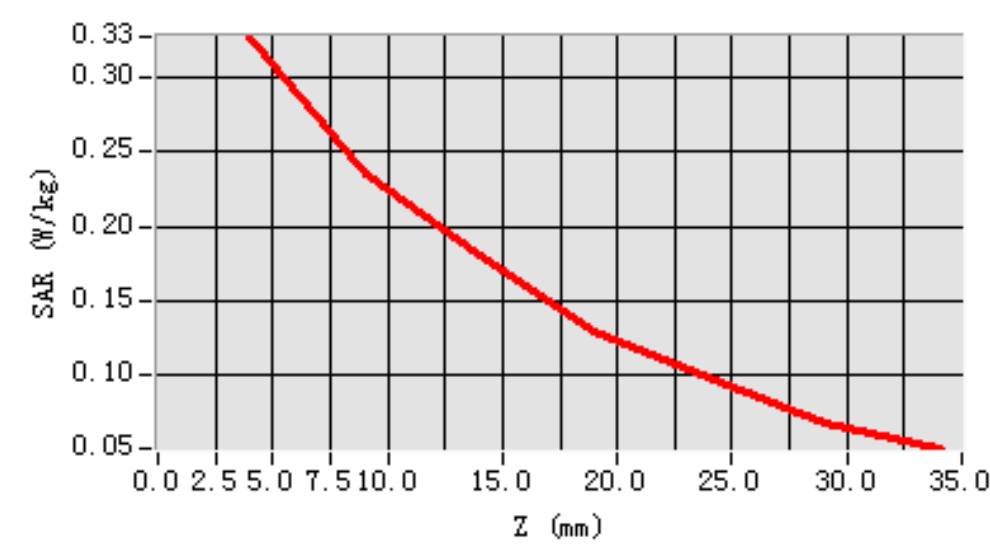
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.214581
SAR 1g (W/Kg)	0.323469

Z Axis Scan

Z(mm)	0.00	4.00	9.00		14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.3063	0.2322	0.	1674	0.1420	0.1800	0.0573

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



**MEASUREMENT 16****Date of measurement: 3/14/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

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

B. Instrumentations.

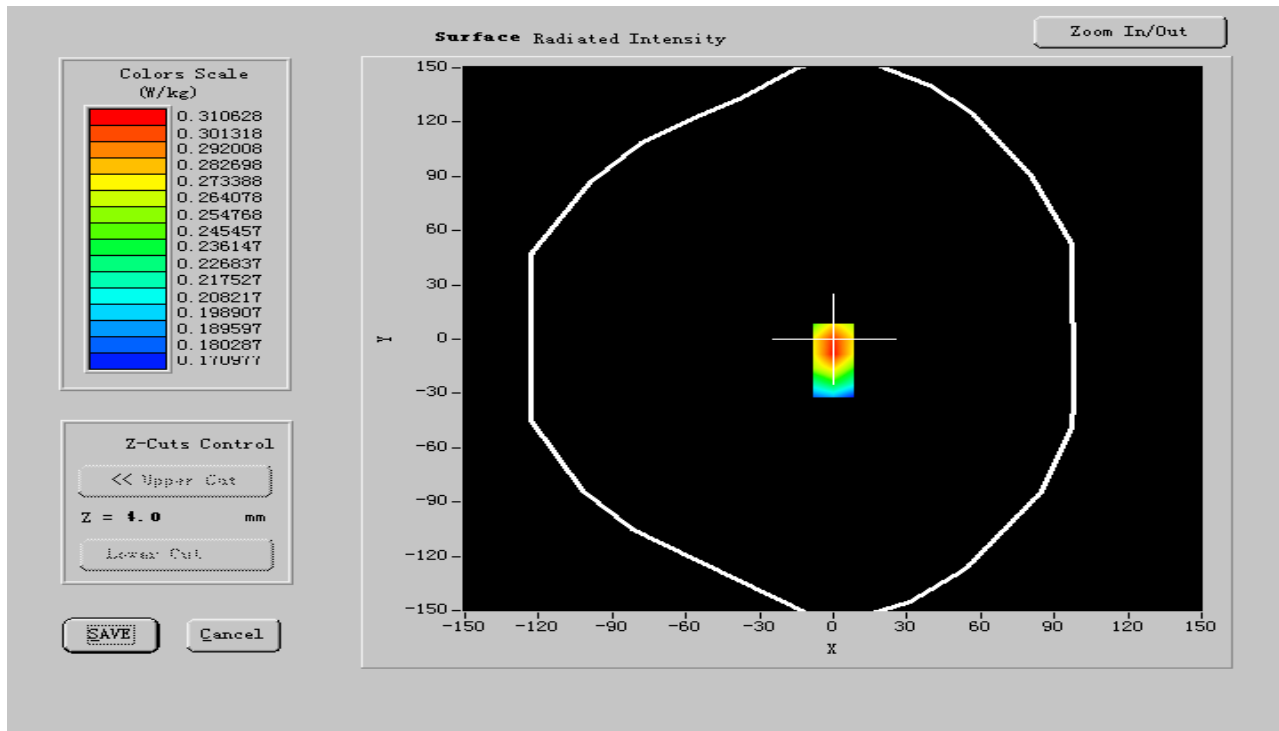
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

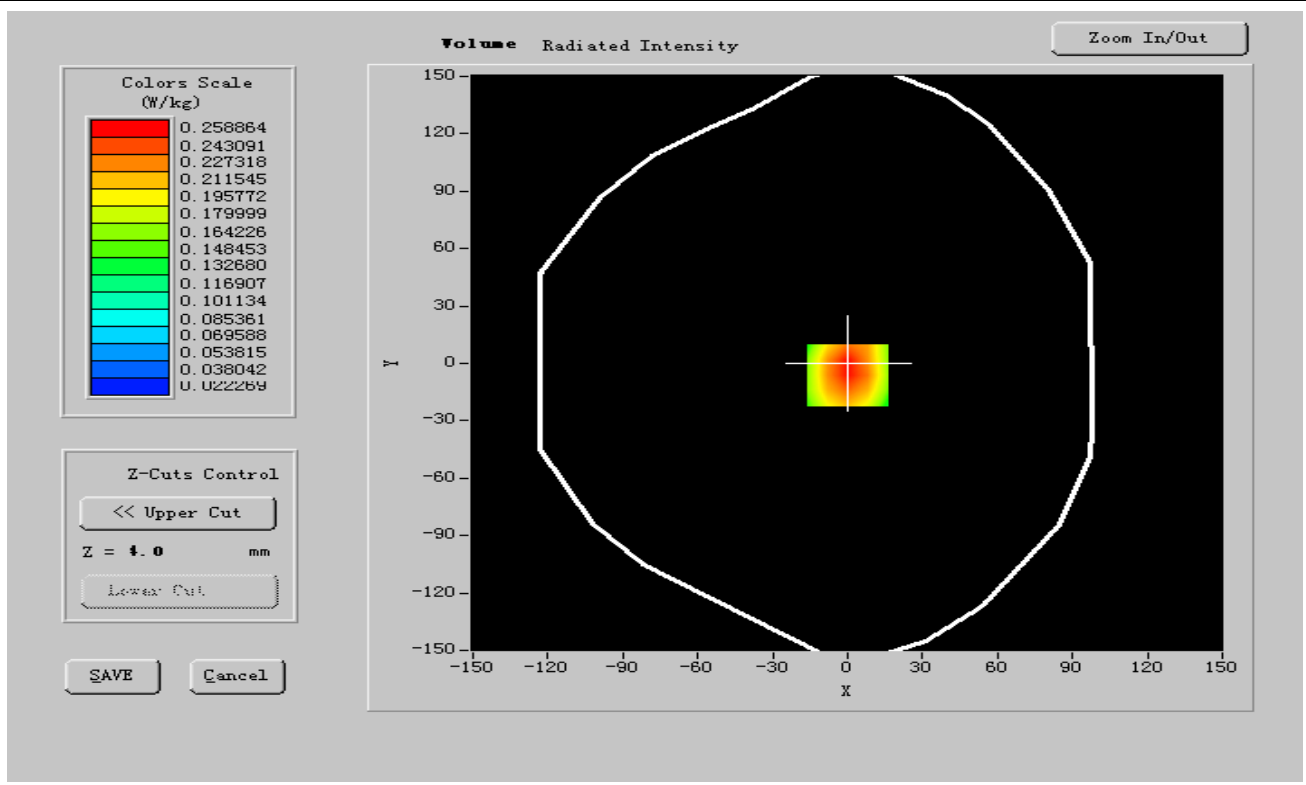
Frequency (MHz)	824.200012
Relative permittivity (real part)	56.514000
Relative permittivity (imaginary part)	21.654150
Conductivity (S/m)	0.984519
Variation (%)	-2.120000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.00, 19.88, 27.77
Crest factor:	1:8



SURFACE SAR



VOLUME SAR





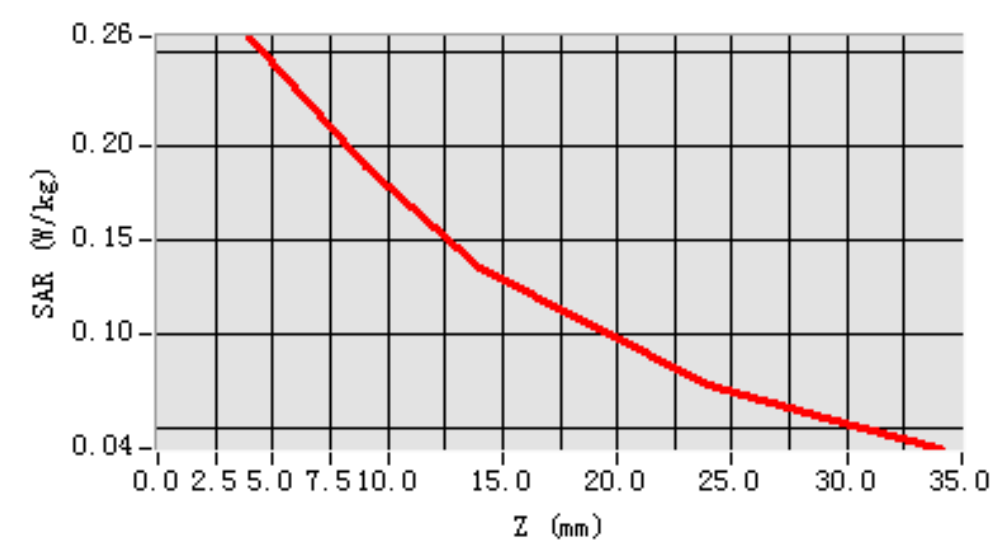
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.1543426
SAR 1g (W/Kg)	0.233434

Z Axis Scan

Z(mm)	0.00	4.00	9.00		14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.2512	0.1242	0.	1464	0.1020	0.0631	0.0454

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



**MEASUREMENT 17****Date of measurement: 3/14/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

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

B. Instrumentations.

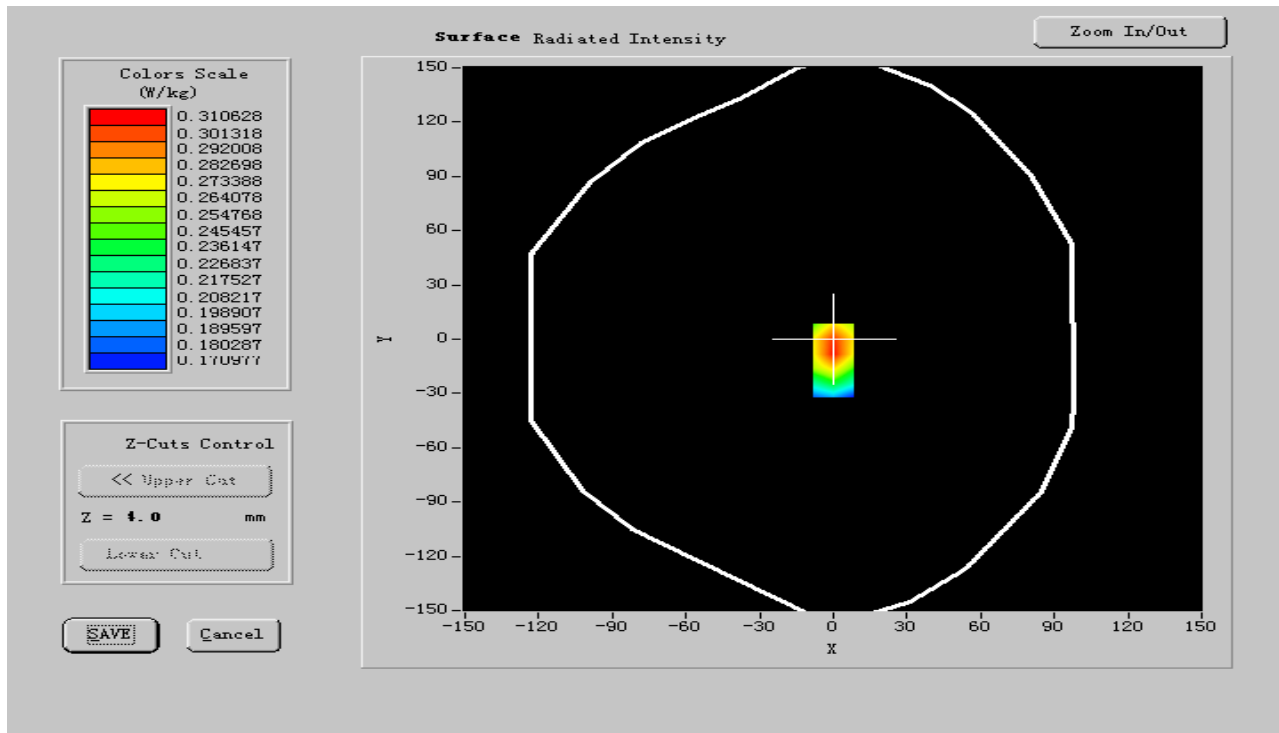
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

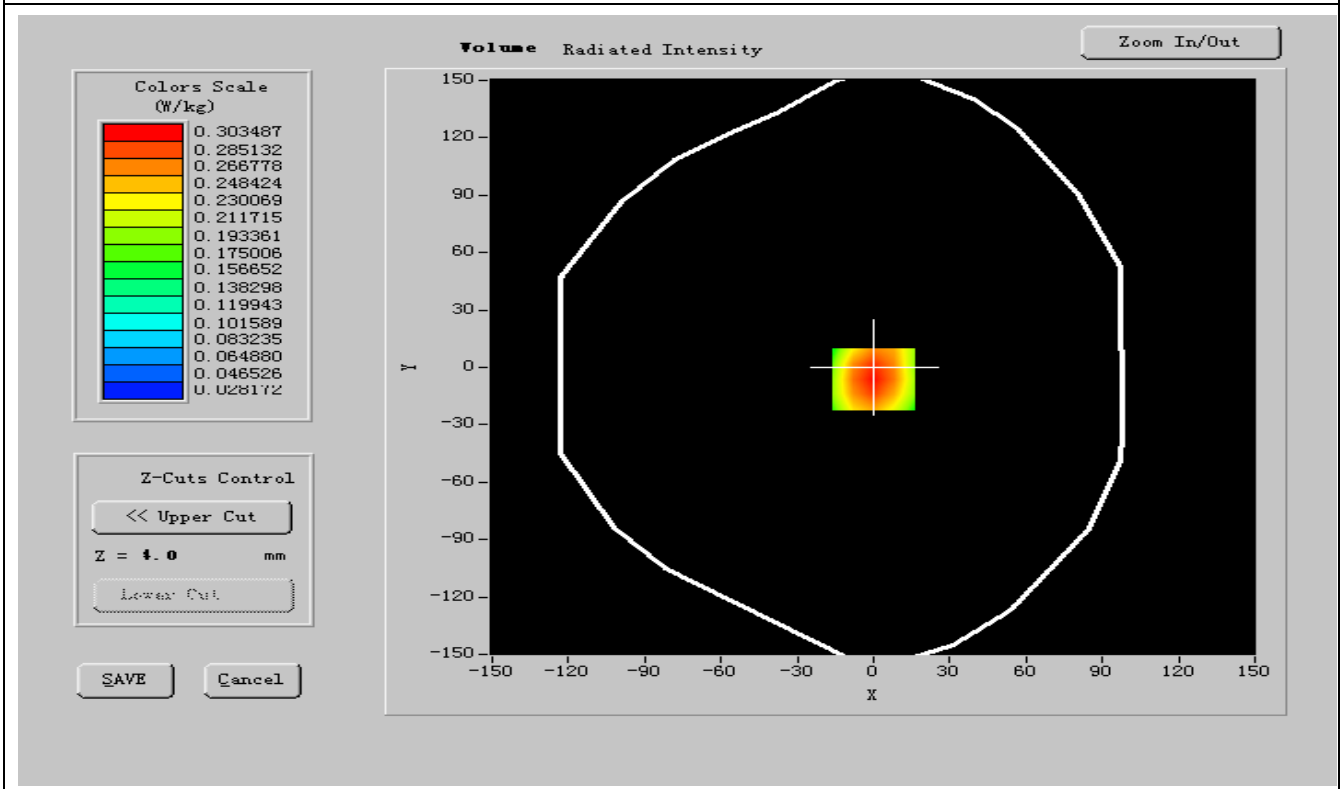
Frequency (MHz)	836.400024
Relative permittivity (real part)	56.501935
Relative permittivity (imaginary part)	21.866249
Conductivity (S/m)	0.986052
Variation (%)	-2.120000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.00, 19.88, 27.77
Crest factor:	1:8



SURFACE SAR



VOLUME SAR





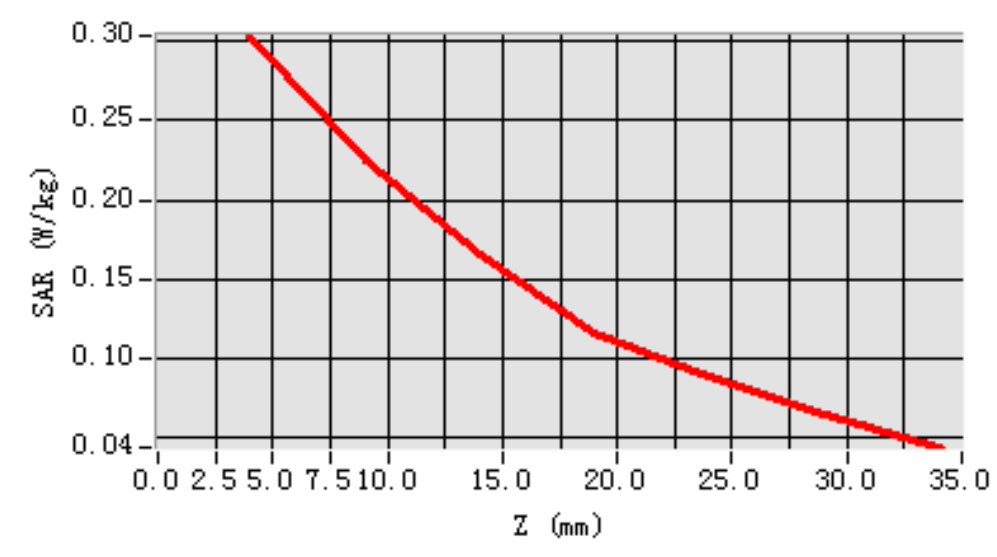
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.254352
SAR 1g (W/Kg)	0.235723

Z Axis Scan

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

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



**MEASUREMENT 18****Date of measurement: 3/14/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

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

B. Instrumentations.

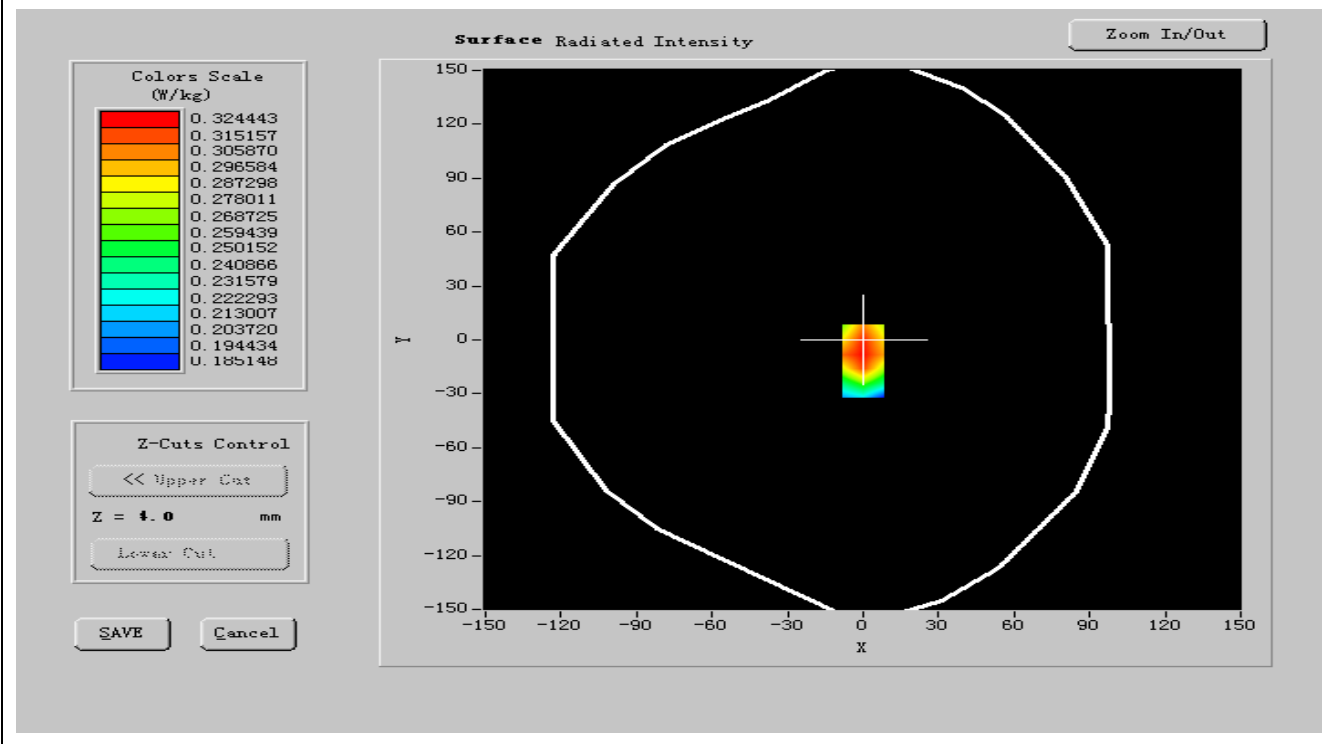
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

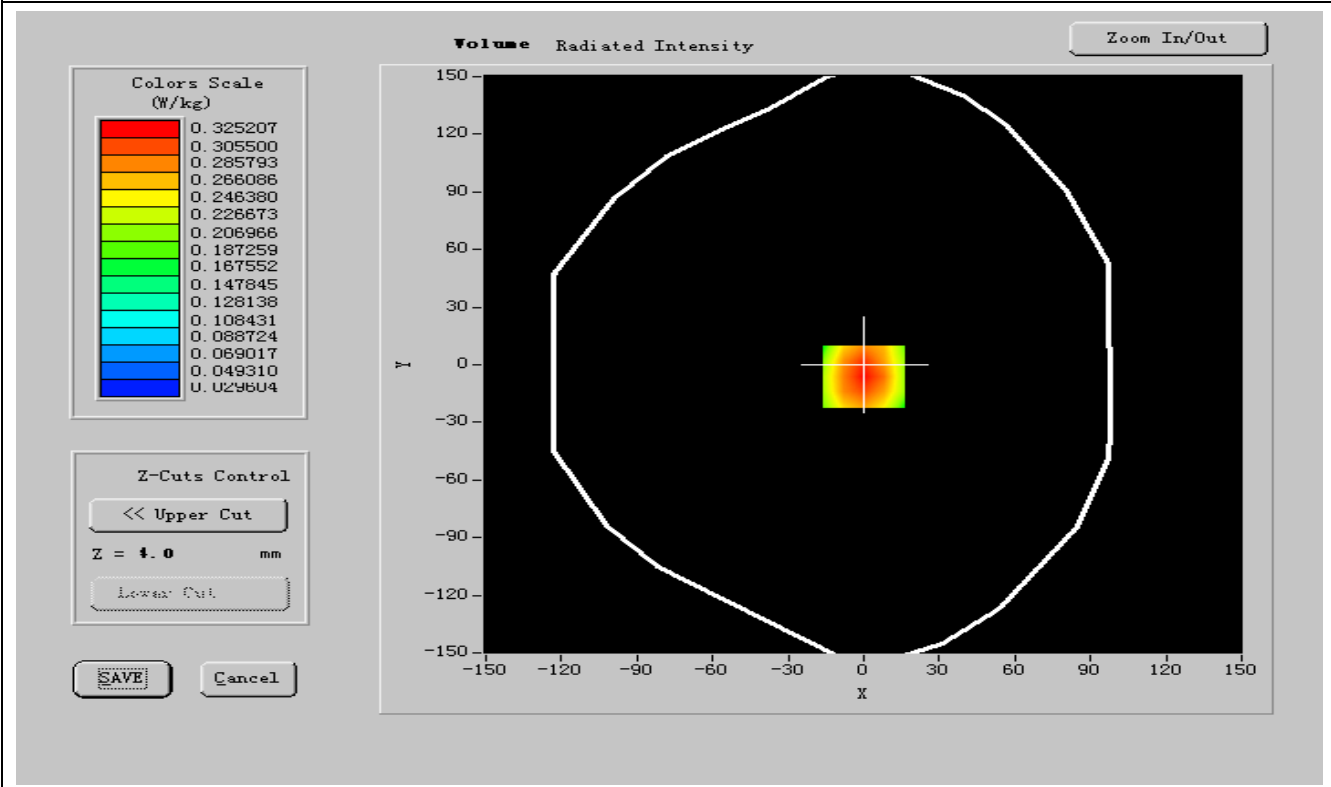
Frequency (MHz)	848.599976
Relative permittivity (real part)	56.508121
Relative permittivity (imaginary part)	21.726601
Conductivity (S/m)	0.983288
Variation (%)	-1.120000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.00, 19.88, 27.77
Crest factor:	1:8



SURFACE SAR



VOLUME SAR





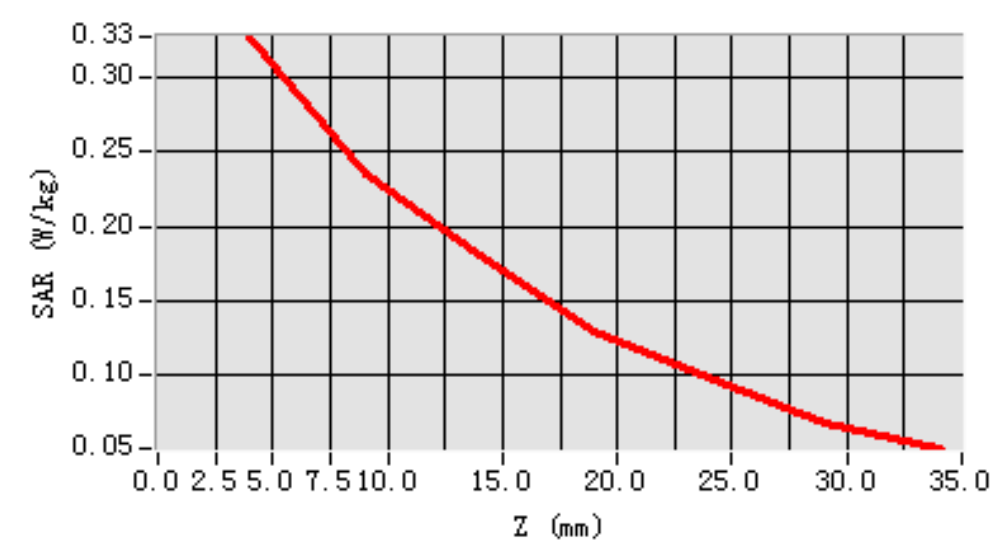
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.221345
SAR 1g (W/Kg)	0.248954

Z Axis Scan

Z(mm)	0.00	4.00	9.00		14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.3063	0.2322	0.	1674	0.1420	0.1800	0.0573

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



**MEASUREMENT 19****Date of measurement: 3/14/2011****Area Scan: 7 x 7 x 1****dx=15mm****dy=15mm****Zoom Scan: 5 x 5 x 7****dx=5mm****dy=5mm****dz=5mm****Z Axis Scan: 1 x 1 x 21****dx=20mm****dy=20mm****dz=5mm****A. Experimental conditions.**

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

B. Instrumentations.

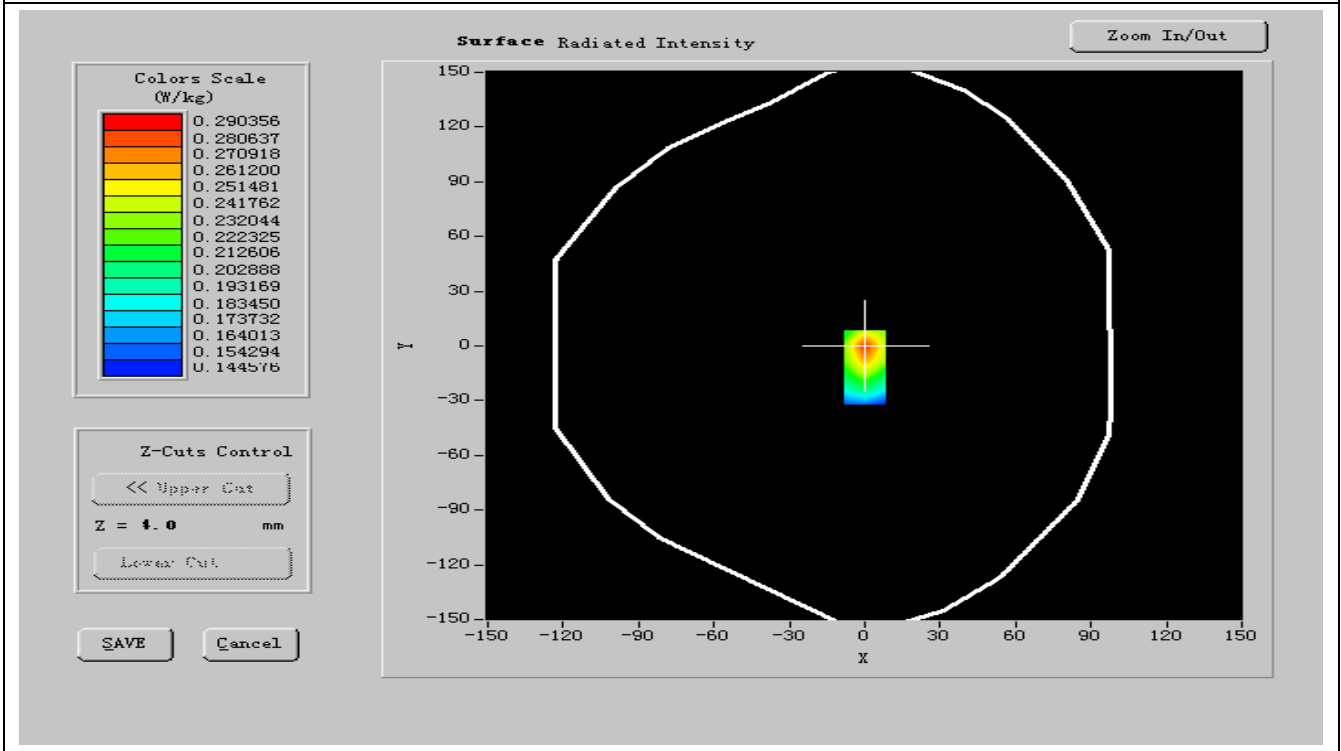
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

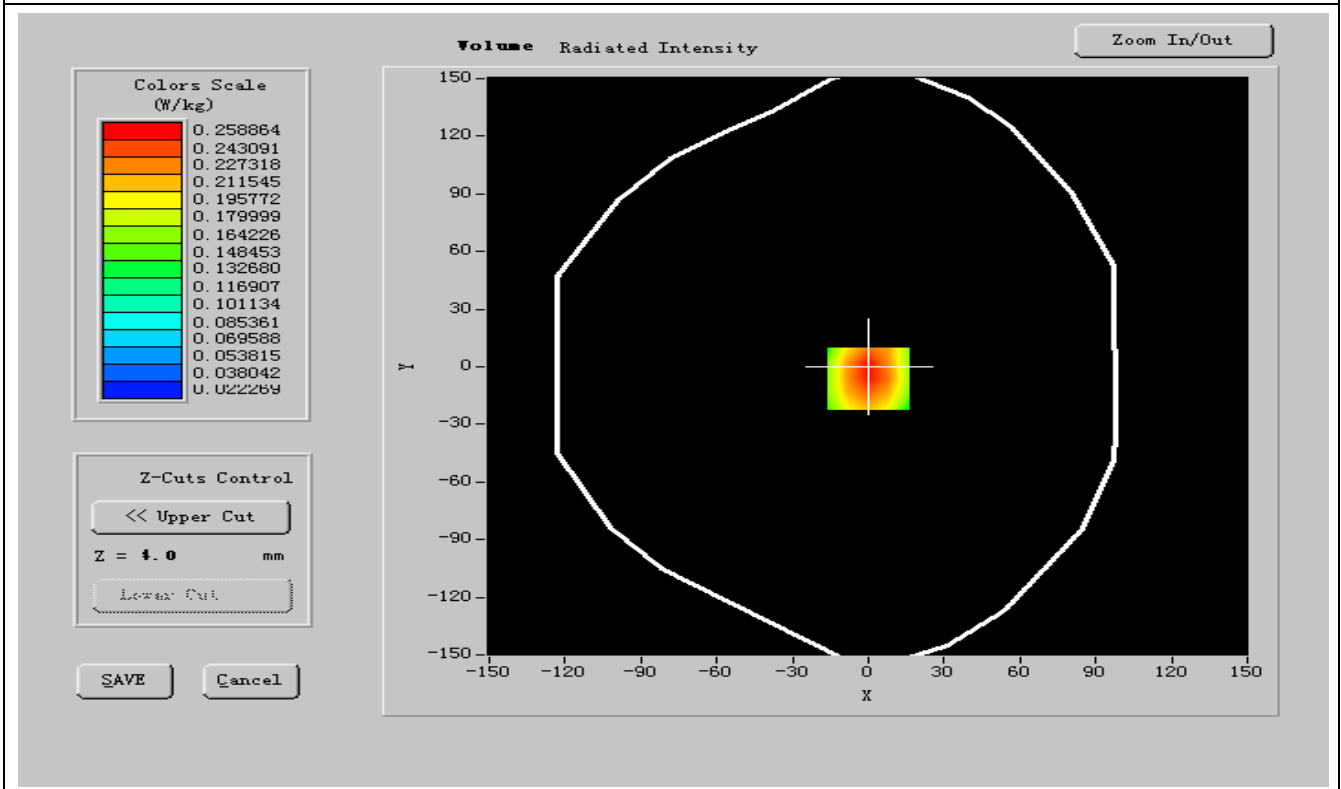
Frequency (MHz)	824.200012
Relative permittivity (real part)	56.584000
Relative permittivity (imaginary part)	21.654150
Conductivity (S/m)	0.971519
Variation (%)	-1.120000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.00, 19.88, 27.77
Crest factor:	1:4



SURFACE SAR



VOLUME SAR





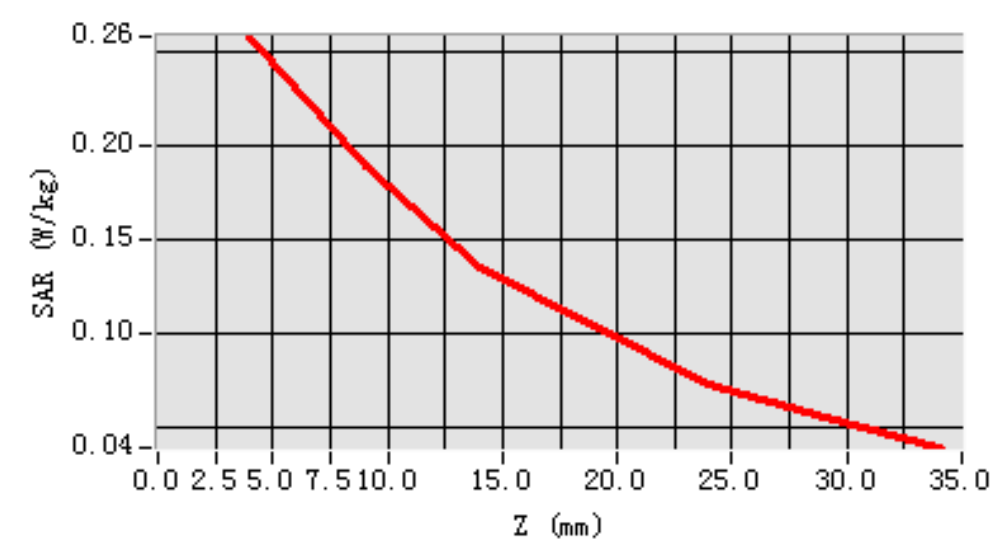
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.161258
SAR 1g (W/Kg)	0.265632

Z Axis Scan

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

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





MEASUREMENT 20

Date of measurement: 3/14/2011

Area Scan: 7 x 7 x 1

dx=15mm

dy=15mm

Zoom Scan: 5 x 5 x 7

dx=5mm

dy=5mm

dz=5mm

Z Axis Scan: 1 x 1 x 21

dx=20mm

dy=20mm

dz=5mm

A. Experimental conditions.

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

B. Instrumentations.

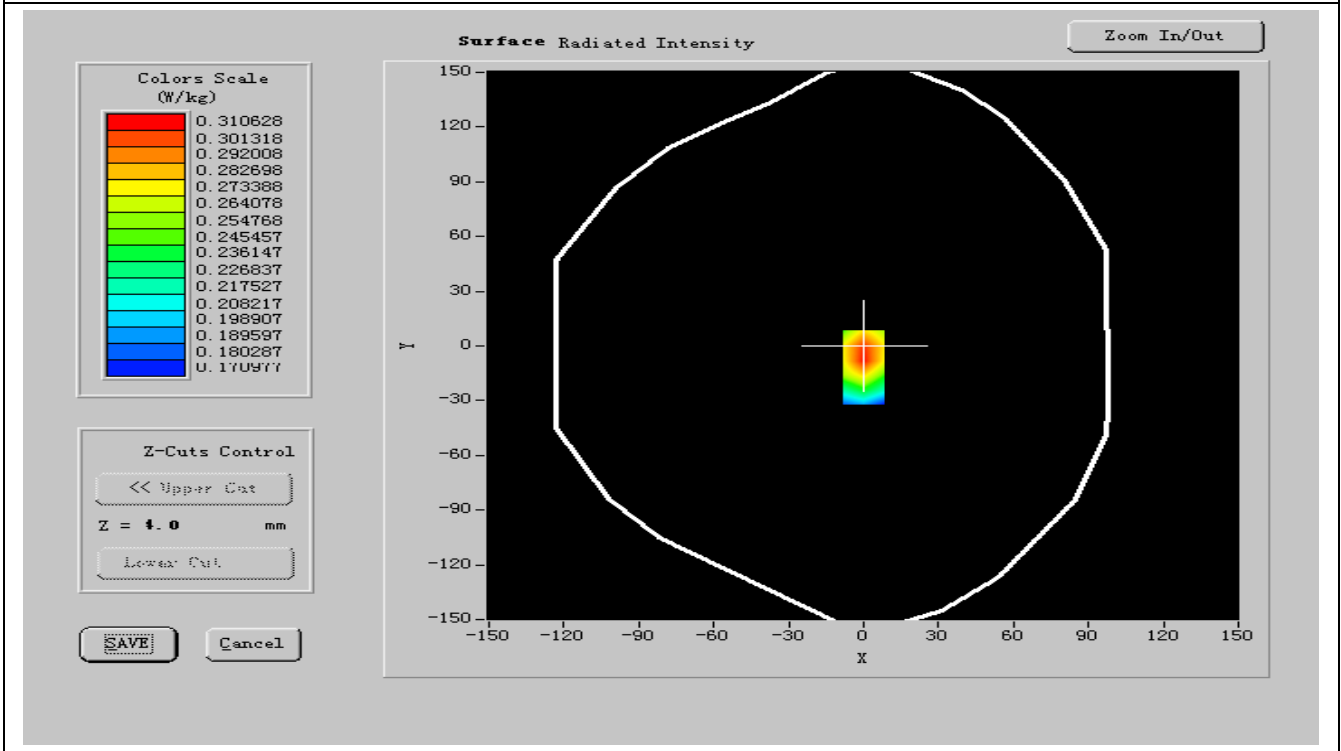
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

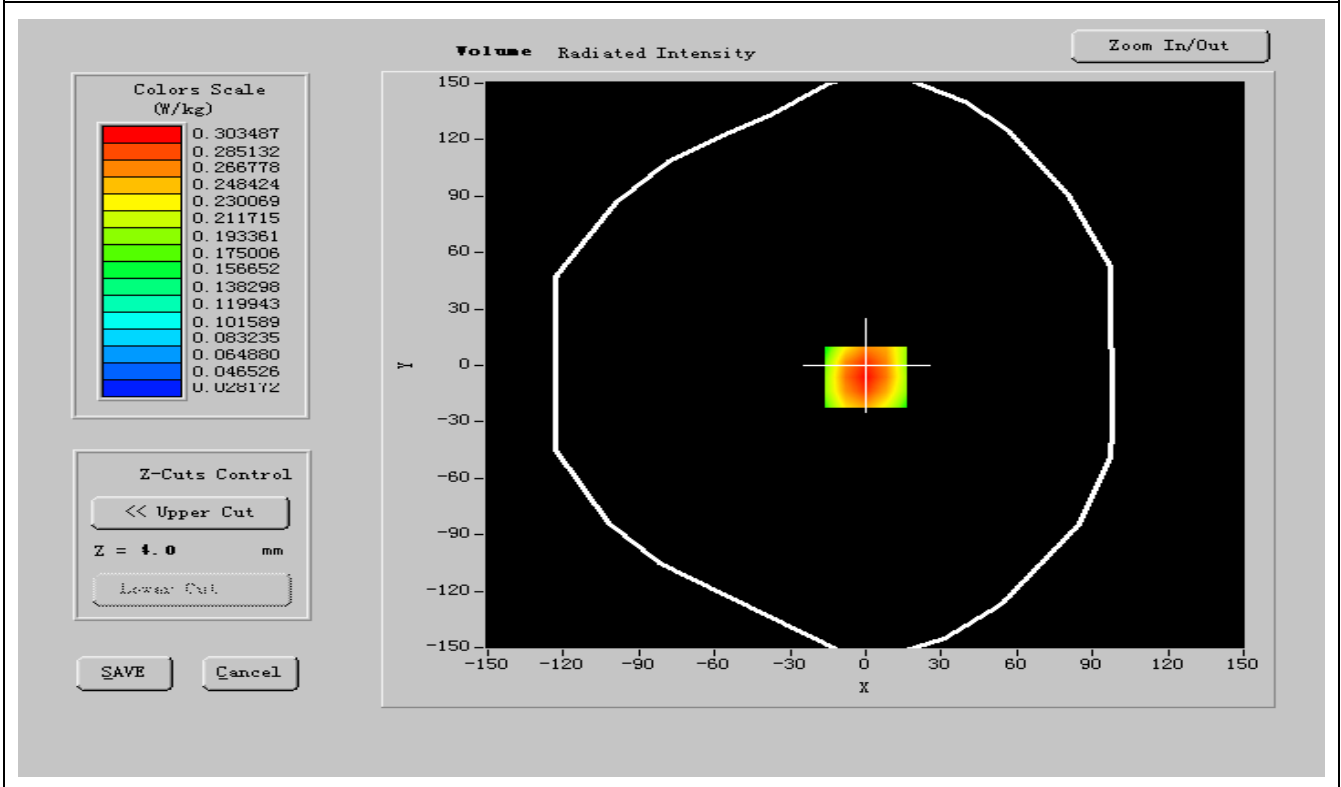
Frequency (MHz)	836.400024
Relative permittivity (real part)	55.501999
Relative permittivity (imaginary part)	21.866249
Conductivity (S/m)	1.006342
Variation (%)	-0.200000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.00, 19.88, 27.77
Crest factor:	1:4



SURFACE SAR



VOLUME SAR





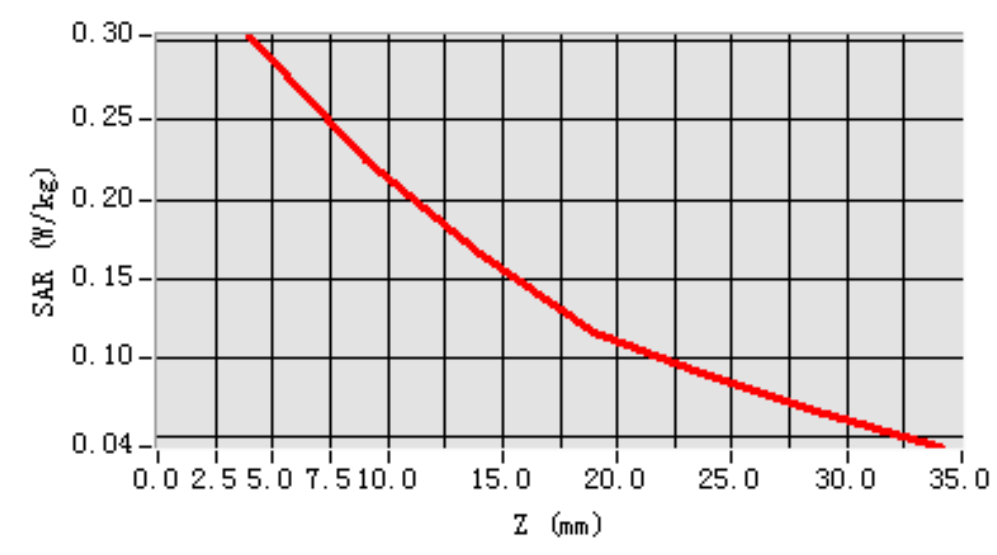
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.233695
SAR 1g (W/Kg)	0.247863

Z Axis Scan

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

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





MEASUREMENT 21

Date of measurement: 3/14/2011

Area Scan: 7 x 7 x 1

dx=15mm

dy=15mm

Zoom Scan: 5 x 5 x 7

dx=5mm

dy=5mm

dz=5mm

Z Axis Scan: 1 x 1 x 21

dx=20mm

dy=20mm

dz=5mm

A. Experimental conditions.

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

B. Instrumentations.

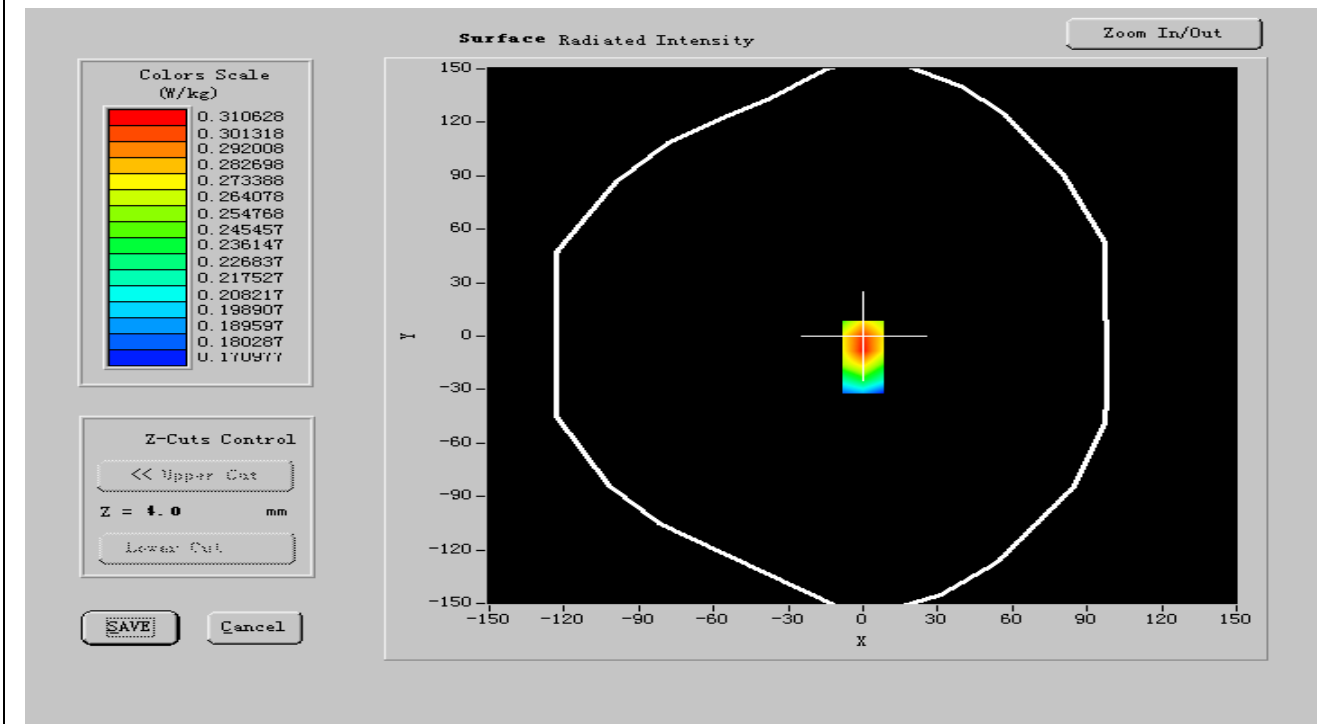
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

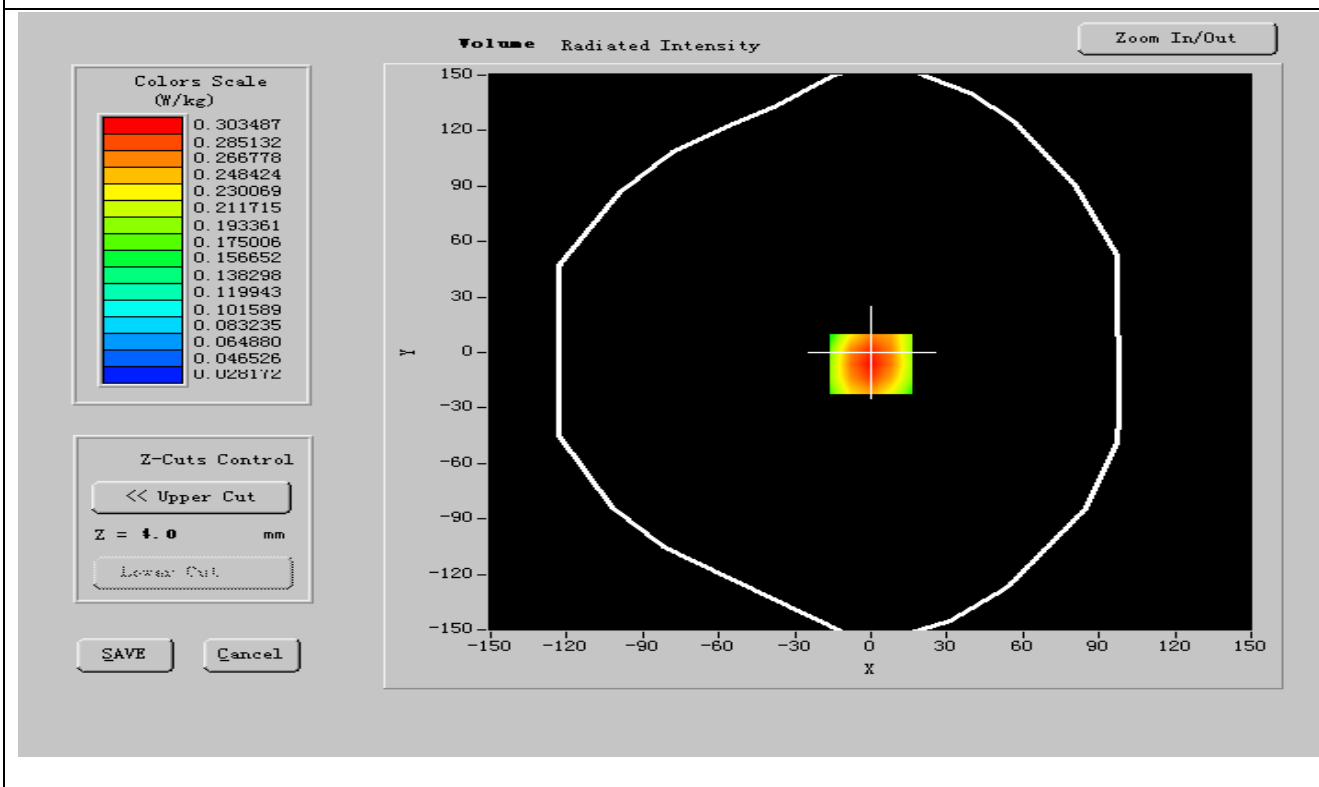
Frequency (MHz)	848.599976
Relative permittivity (real part)	55.576000
Relative permittivity (imaginary part)	21.726601
Conductivity (S/m)	0.974288
Variation (%)	-0.220000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.00, 19.88, 27.77
Crest factor:	1:4



SURFACE SAR



VOLUME SAR





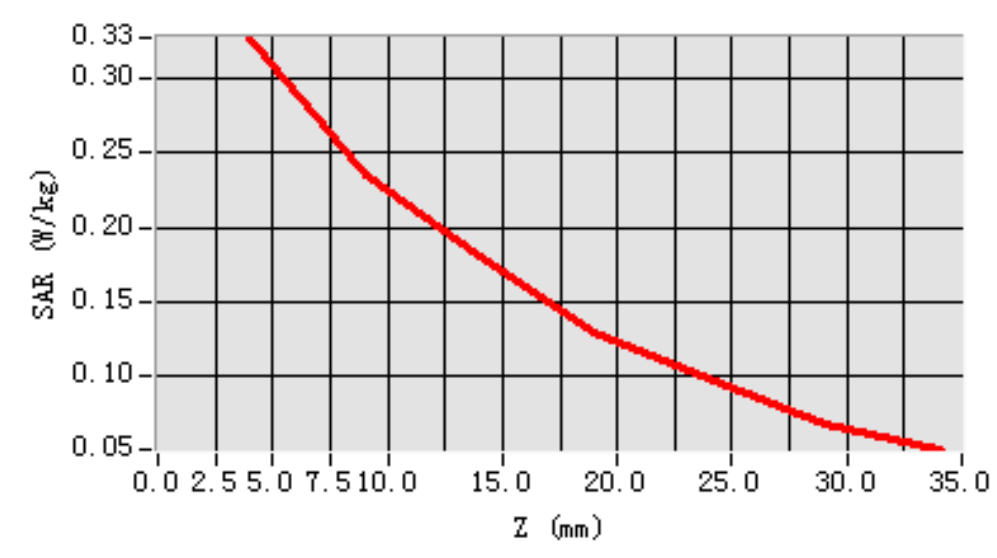
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.211258
SAR 1g (W/Kg)	0.324558

Z Axis Scan

Z(mm)	0.00	4.00	9.00		14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.3232	0.1722	0.	1494	0.1323	0.0787	0.0651

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





MEASUREMENT 22

Date of measurement: 3/14/2011

Area Scan: 7 x 7 x 1

dx=15mm

dy=15mm

Zoom Scan: 5 x 5 x 7

dx=5mm

dy=5mm

dz=5mm

Z Axis Scan: 1 x 1 x 21

dx=20mm

dy=20mm

dz=5mm

A. Experimental conditions.

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

B. Instrumentations.

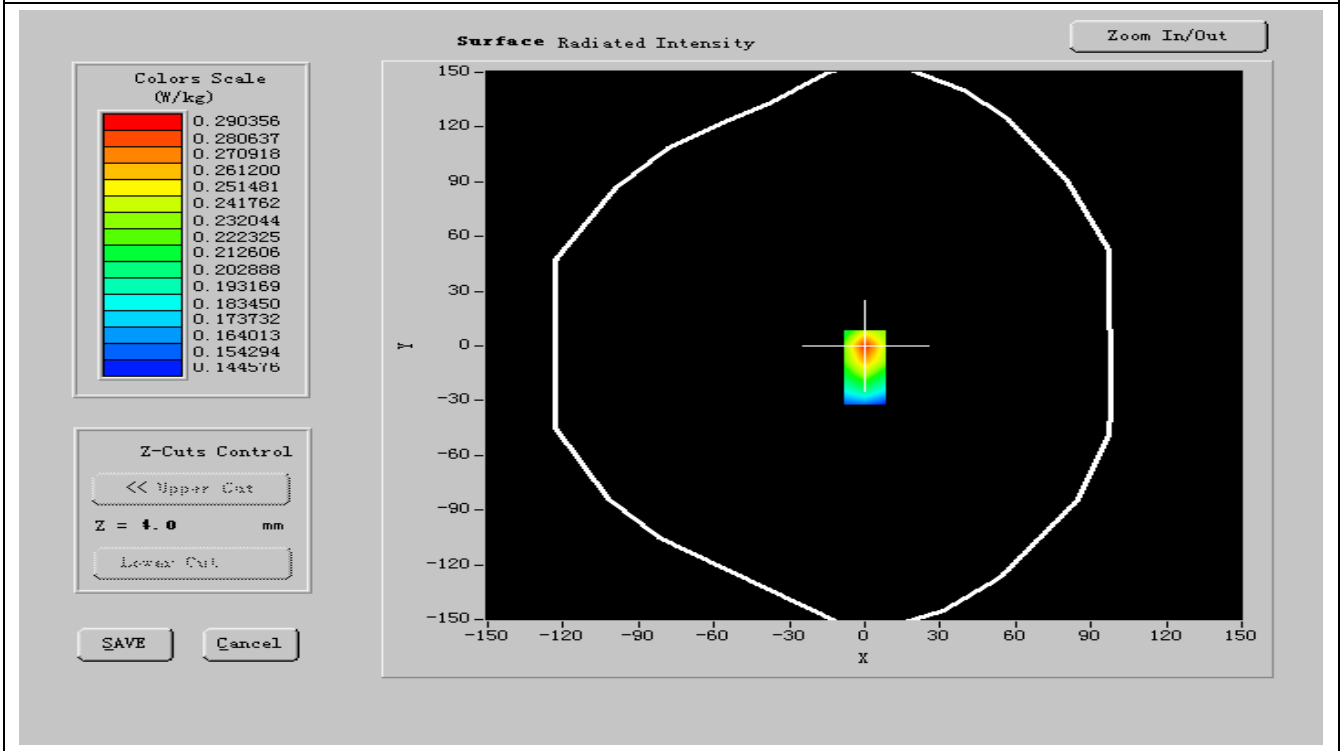
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

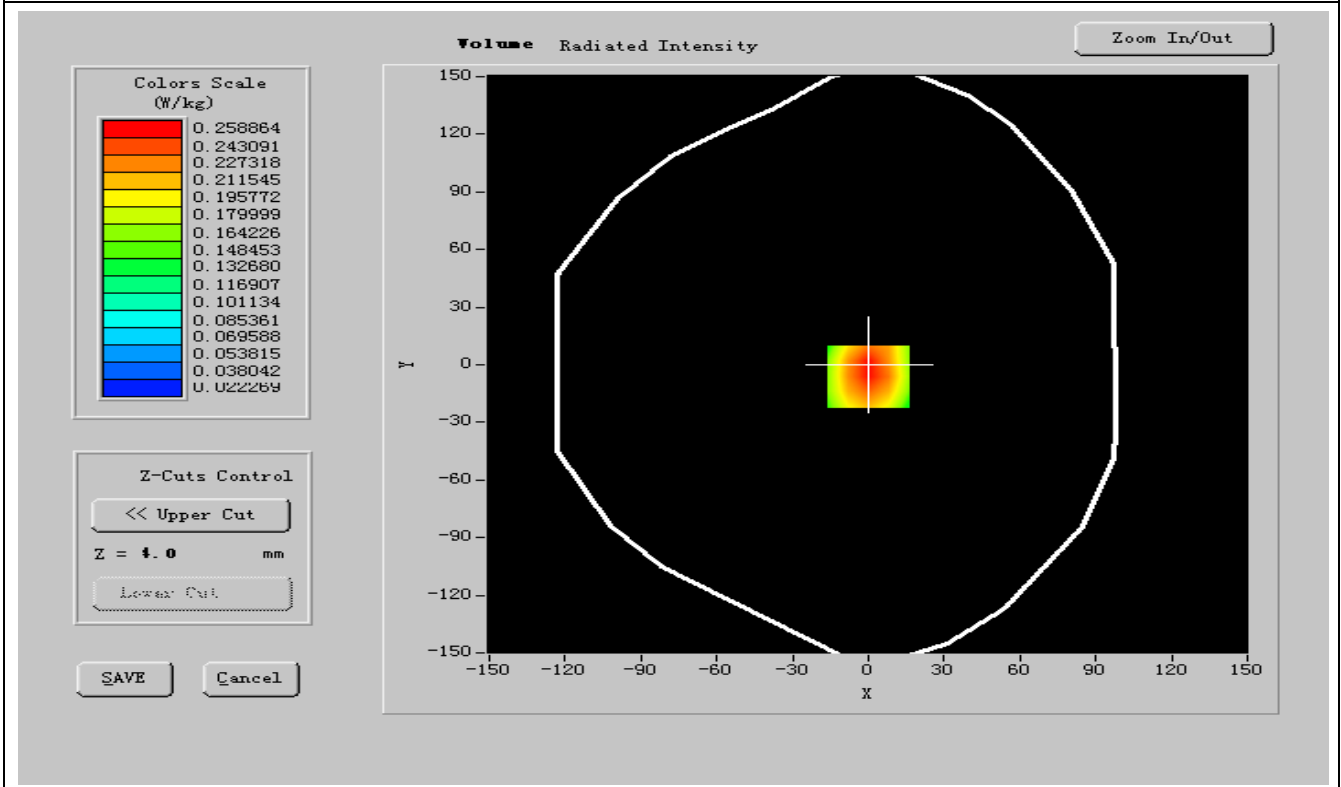
Frequency (MHz)	824.200012
Relative permittivity (real part)	56.584000
Relative permittivity (imaginary part)	21.654150
Conductivity (S/m)	0.971519
Variation (%)	-1.120000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.00, 19.88, 27.77
Crest factor:	1:4



SURFACE SAR



VOLUME SAR





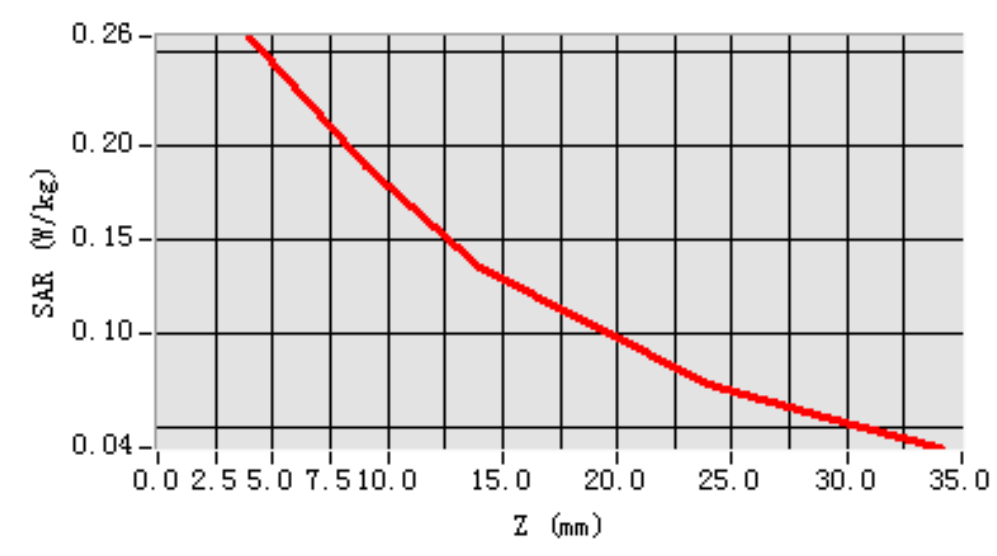
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.161258
SAR 1g (W/Kg)	0.265832

Z Axis Scan

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

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





MEASUREMENT 23

Date of measurement: 3/14/2011

Area Scan: 7 x 7 x 1

dx=15mm

dy=15mm

Zoom Scan: 5 x 5 x 7

dx=5mm

dy=5mm

dz=5mm

Z Axis Scan: 1 x 1 x 21

dx=20mm

dy=20mm

dz=5mm

A. Experimental conditions.

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

B. Instrumentations.

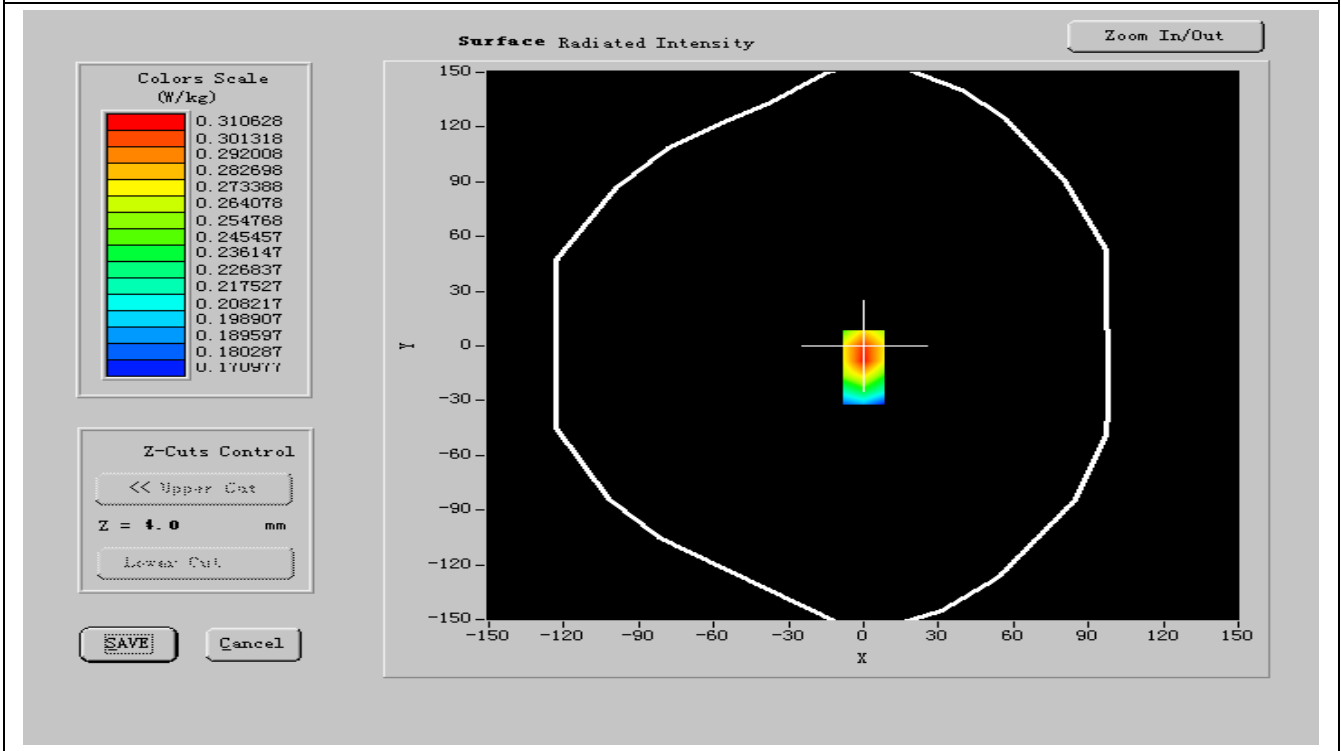
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

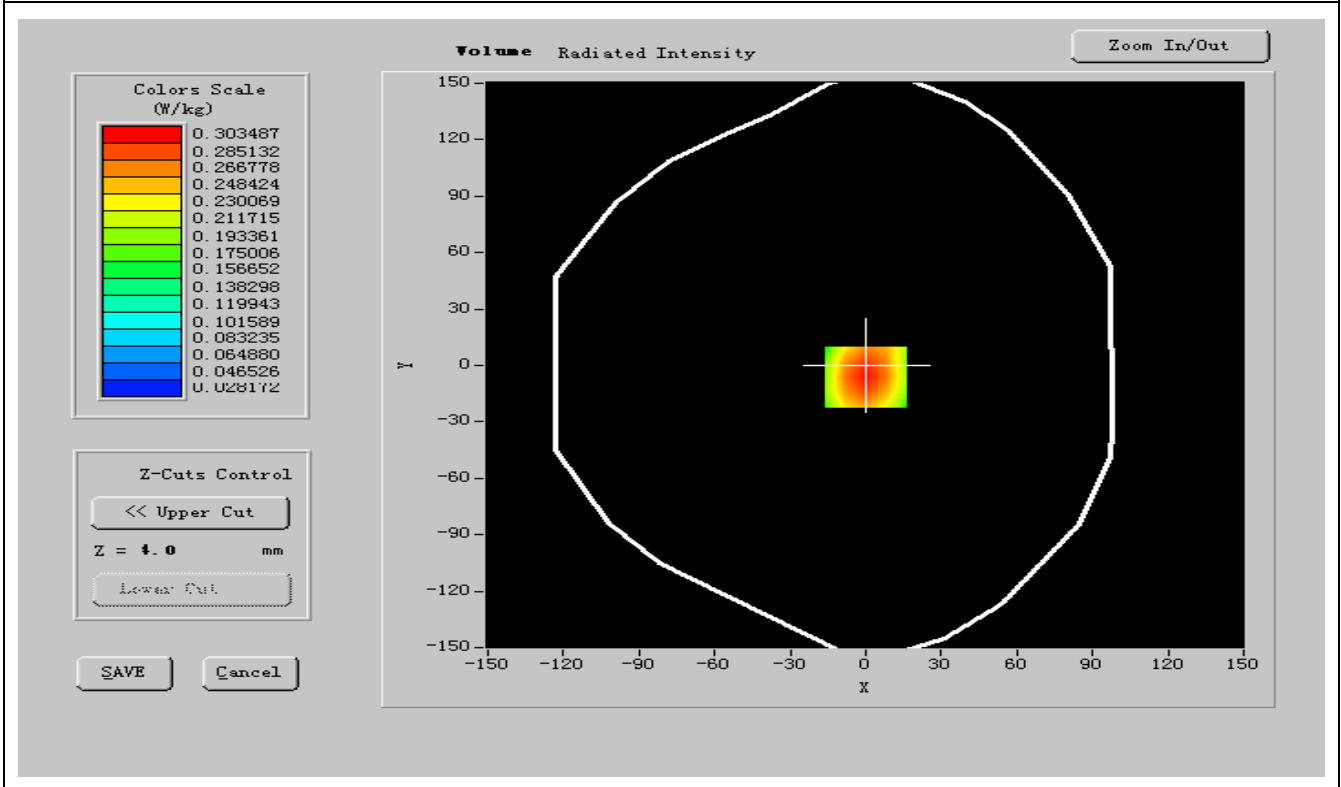
Frequency (MHz)	836.400024
Relative permittivity (real part)	55.501999
Relative permittivity (imaginary part)	21.866249
Conductivity (S/m)	1.006342
Variation (%)	-0.200000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.00, 19.88, 27.77
Crest factor:	1:4



SURFACE SAR



VOLUME SAR





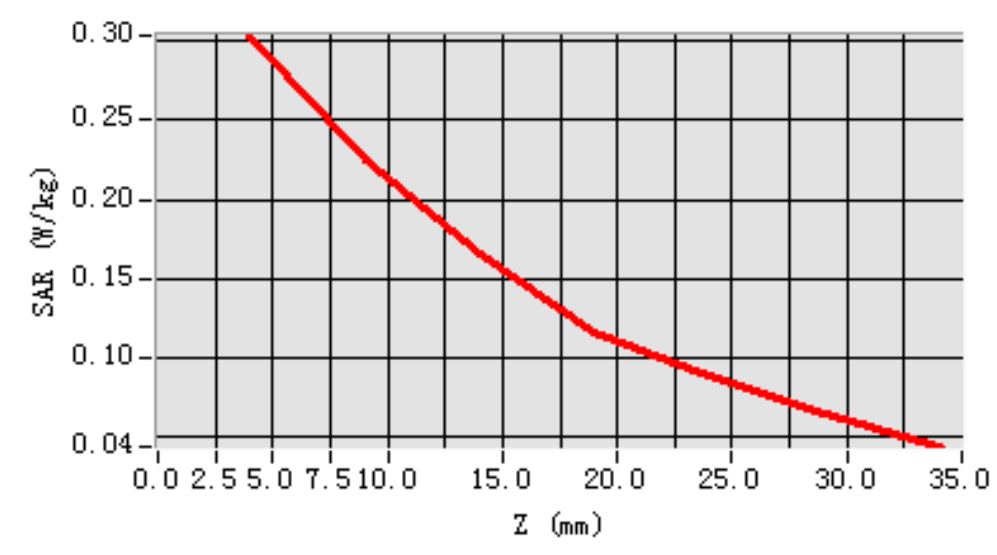
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.275467
SAR 1g (W/Kg)	0.255787

Z Axis Scan

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

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





MEASUREMENT 24

Date of measurement: 3/14/2011

Area Scan: 7 x 7 x 1

dx=15mm

dy=15mm

Zoom Scan: 5 x 5 x 7

dx=5mm

dy=5mm

dz=5mm

Z Axis Scan: 1 x 1 x 21

dx=20mm

dy=20mm

dz=5mm

A. Experimental conditions.

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

B. Instrumentations.

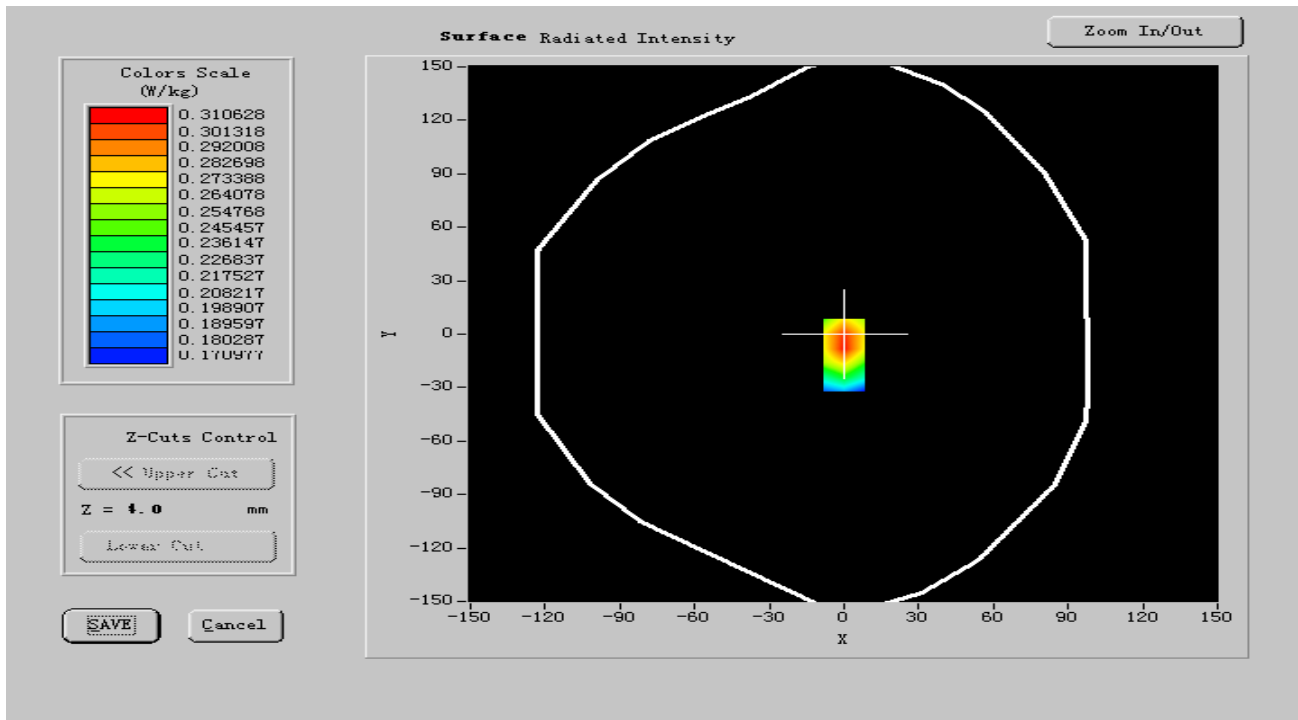
PC HP	(Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator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

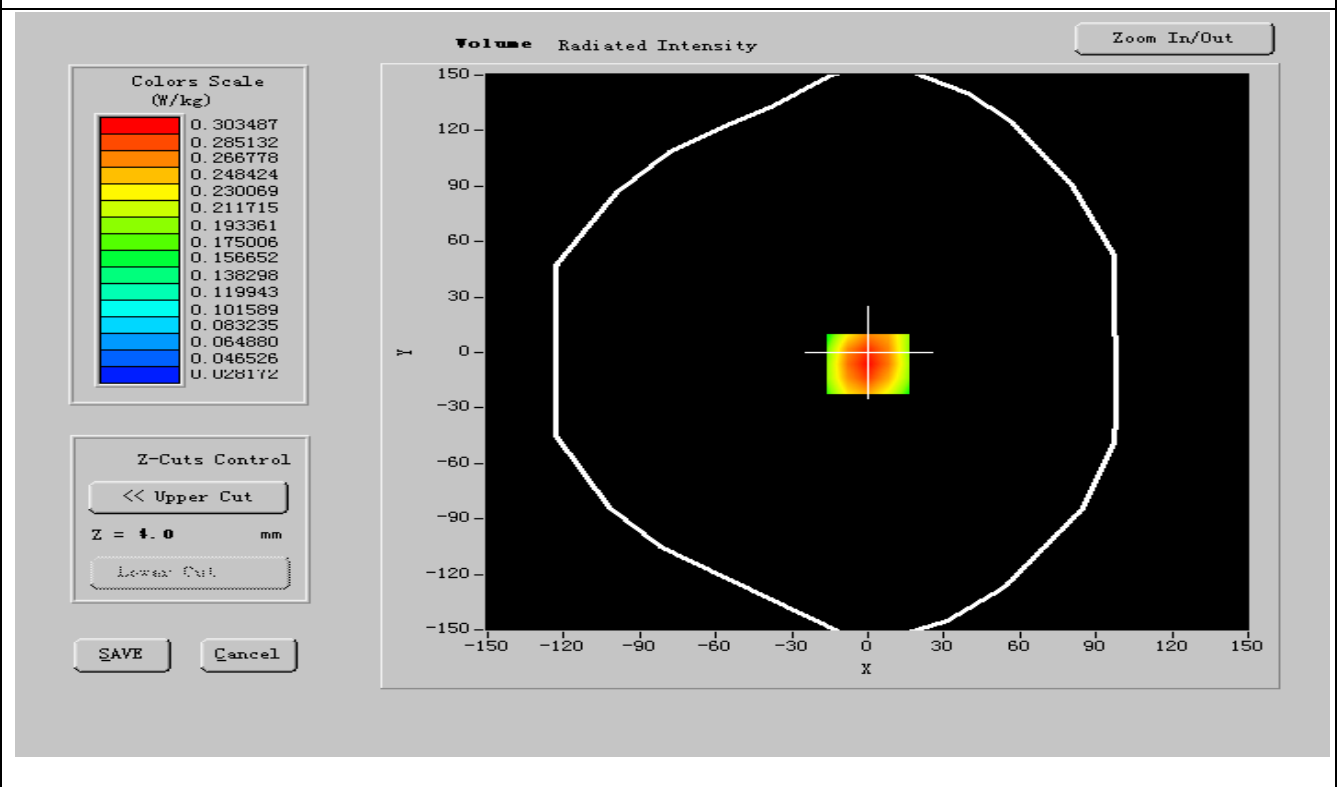
Frequency (MHz)	848.599976
Relative permittivity (real part)	55.576000
Relative permittivity (imaginary part)	21.726601
Conductivity (S/m)	0.974288
Variation (%)	-0.220000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	20.00, 19.88, 27.77
Crest factor:	1:4



SURFACE SAR



VOLUME SAR





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

SAR 10g (W/Kg)	0.211258
SAR 1g (W/Kg)	0.296756

Z Axis Scan

Z(mm)	0.00	4.00	9.00		14.00	19.00	24.00	29.00
SAR (W/kg)	0.0000	0.3232	0.1722	0.	1494	0.1323	0.0787	0.0651

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

