



IIIIII. 802.11 G RESULTS

<u>TYPE</u>	<u>PARAMETERS</u>
<u>Phone</u>	<u>Measurement 1:</u> Right Head with Cheek device position on Low Channel in 802.11g mode <u>Measurement 2:</u> Right Head with Cheek device position on Middle Channel in 802.11g mode <u>Measurement 3:</u> Right Head with Cheek device position on High Channel in 802.11g mode <u>Measurement 4:</u> Right Head with Tilt device position on Low Channel in 802.11g mode <u>Measurement 5:</u> Right Head with Tilt device position on Middle Channel in 802.11g mode <u>Measurement 6:</u> Right Head with Tilt device position on High Channel in 802.11g mode <u>Measurement 7:</u> Left Head with Cheek device position on Low Channel in 802.11g mode <u>Measurement 8:</u> Left Head with Cheek device position on Middle Channel in 802.11g mode <u>Measurement 9:</u> Left Head with Cheek device position on High Channel in 802.11g mode <u>Measurement 10:</u> Left Head with Tilt device position on Low Channel in 802.11g mode <u>Measurement 11:</u> Left Head with Tilt device position on Middle Channel in 802.11g mode <u>Measurement 12:</u> Left Head with Tilt device position on High Channel in 802.11g mode <u>Measurement 13:</u> FrontSide toward phantom 15mm on Low Channel in 802.11g mode <u>Measurement 14:</u> FrontSide toward phantom 15mm on Middle Channel in 802.11g mode <u>Measurement 15:</u> FrontSide toward phantom 15mm on High Channel in 802.11g mode <u>Measurement 16:</u> BackSide toward phantom 15mm on Low Channel in 802.11g mode <u>Measurement 17:</u> BackSide toward phantom 15mm on Middle Channel in 802.11g mode <u>Measurement 18:</u> BackSide toward phantom 15mm on High Channel in 802.11g mode



MEASUREMENT 1

Date of measurement: 04/15/2011**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	802.11g
Channels	Low
Signal	wireless

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 2450	Antennessa (DIPJ37,SN 48/05)	Calibration Due: 10/09/2011
Phantom	Antennessa (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antennessa	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

C. SAR Measurement Results

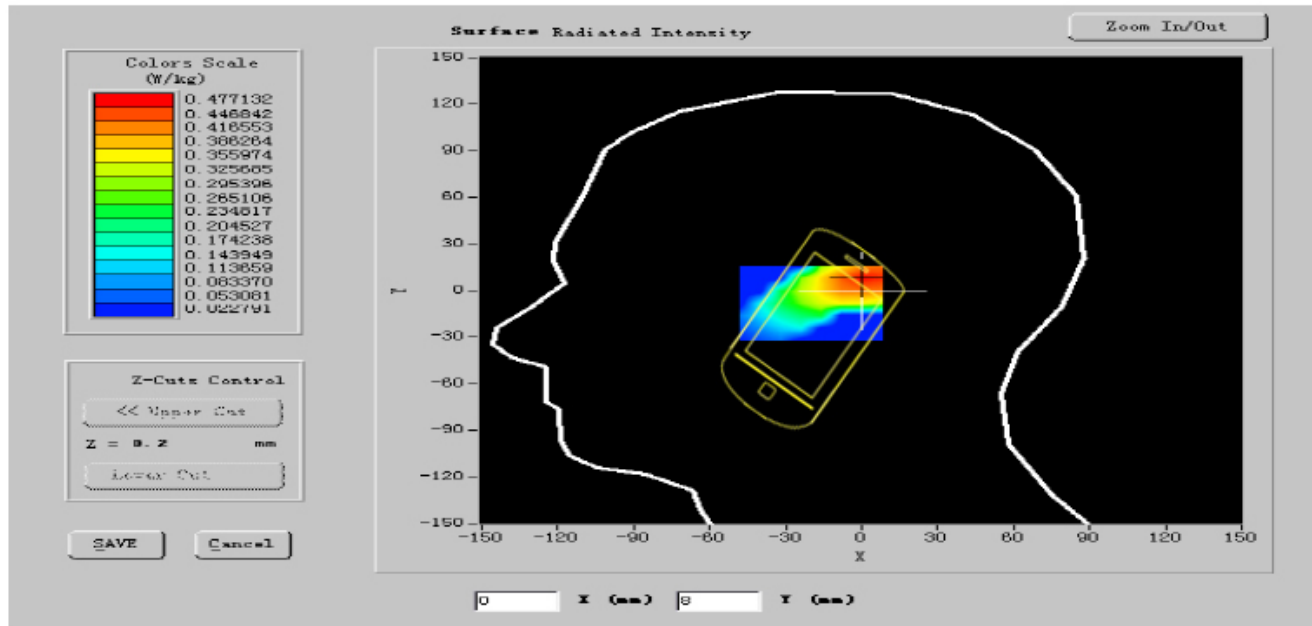
Frequency (MHz)	2412.0000
Relative permittivity (real part)	40.415741
Relative permittivity (imaginary part)	13.348512
Conductivity (S/m)	1.814101
Variation (%)	-1.110000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	51.18,53.87,70.48



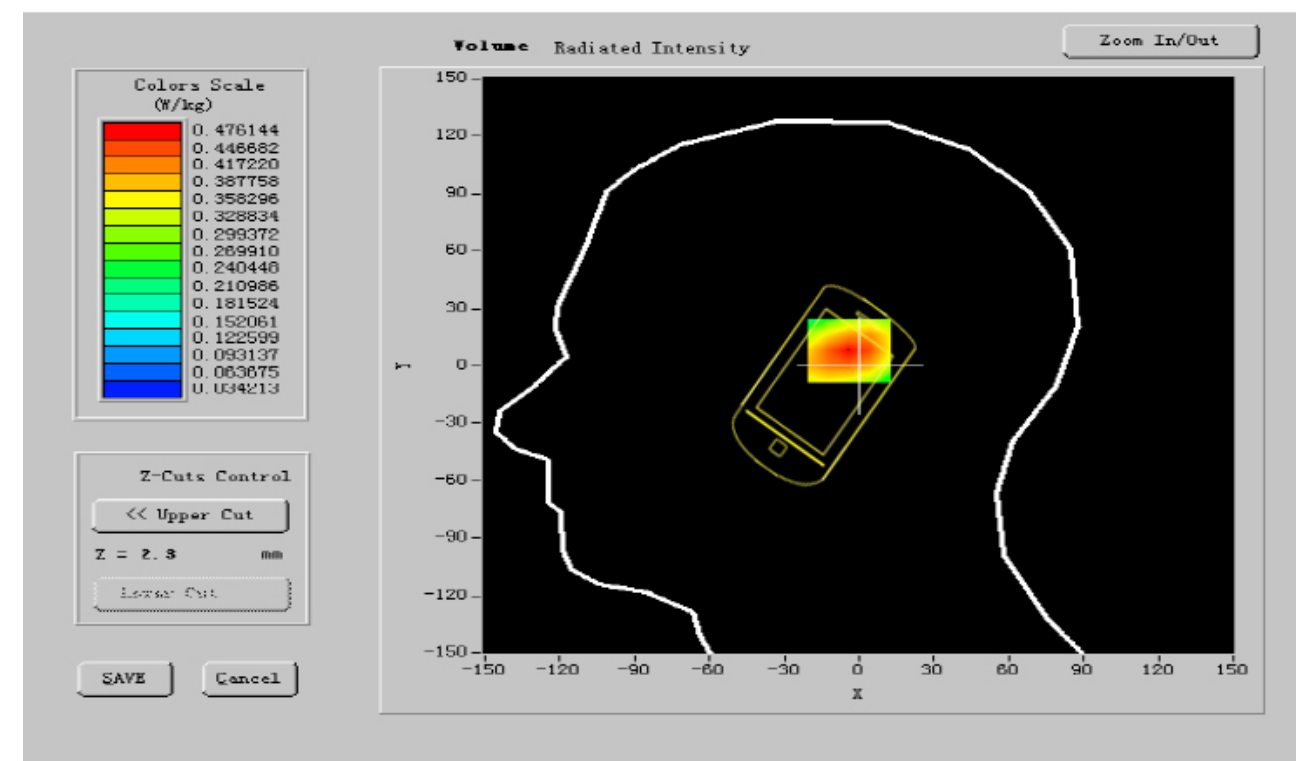
Crest factor:

1:1

SURFACE SAR



VOLUME SAR



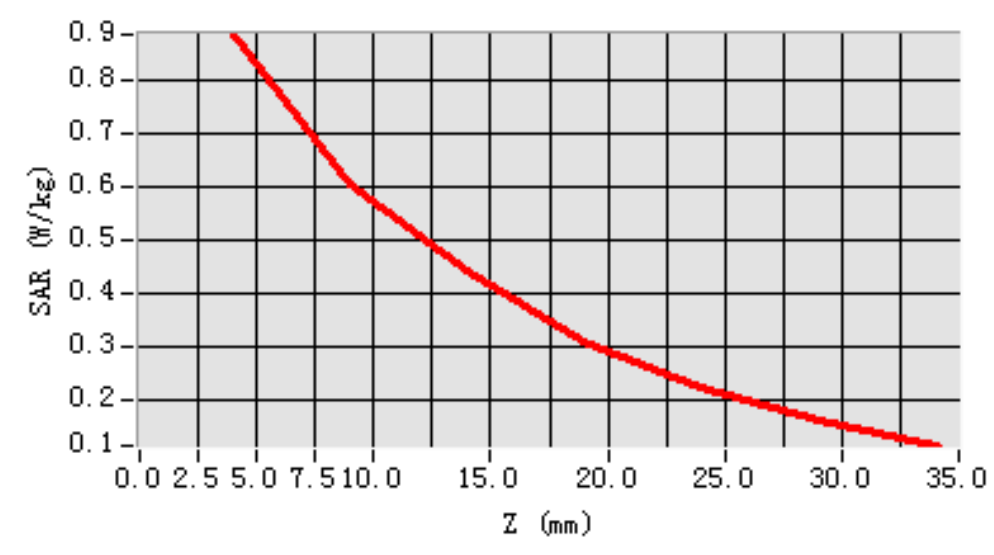


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.047120
SAR 1g (W/Kg)	0.098711

Z Axis Scan

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





MEASUREMENT 2

Date of measurement: 04/15/2011

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	802.11g
Channels	Middle
Signal	wireless

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 2450	Antennessa (DIPJ37,SN 48/05)	Calibration Due: 10/09/2011
Phantom	Antennessa (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antennessa	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

C. SAR Measurement Results

Frequency (MHz)	2437.000000
Relative permittivity (real part)	40.426168
Relative permittivity (imaginary part)	13.348910
Conductivity (S/m)	1.865411
Variation (%)	-0.300000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C



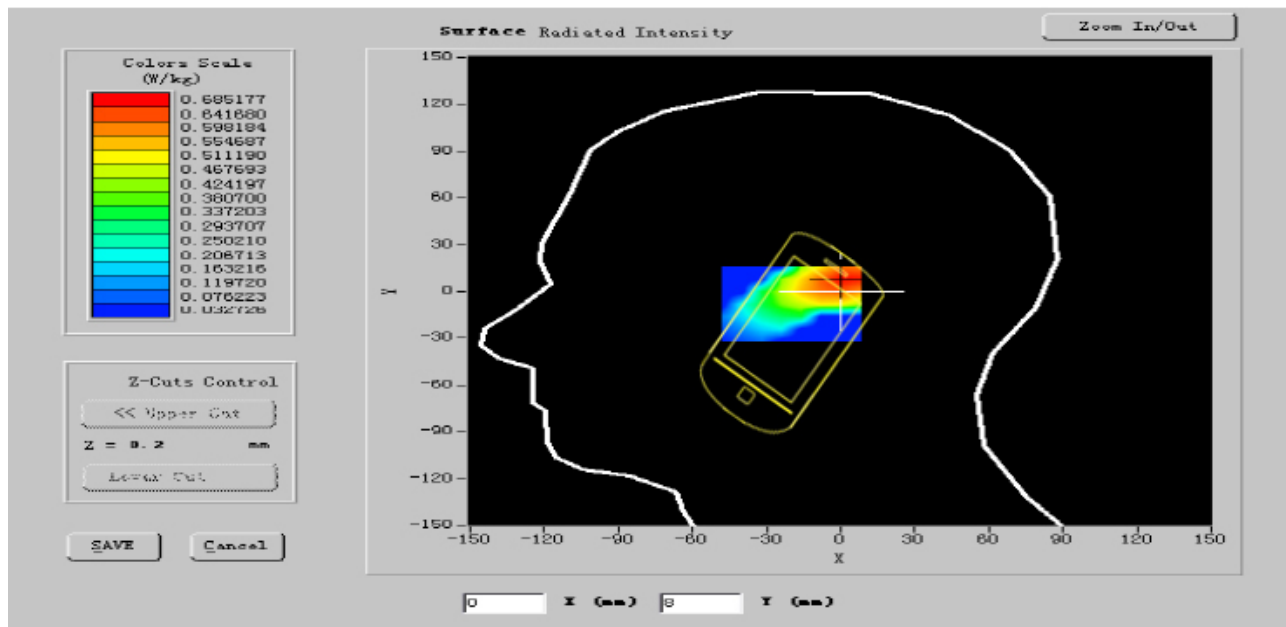
ConvF:

51.18,53.87,70.48

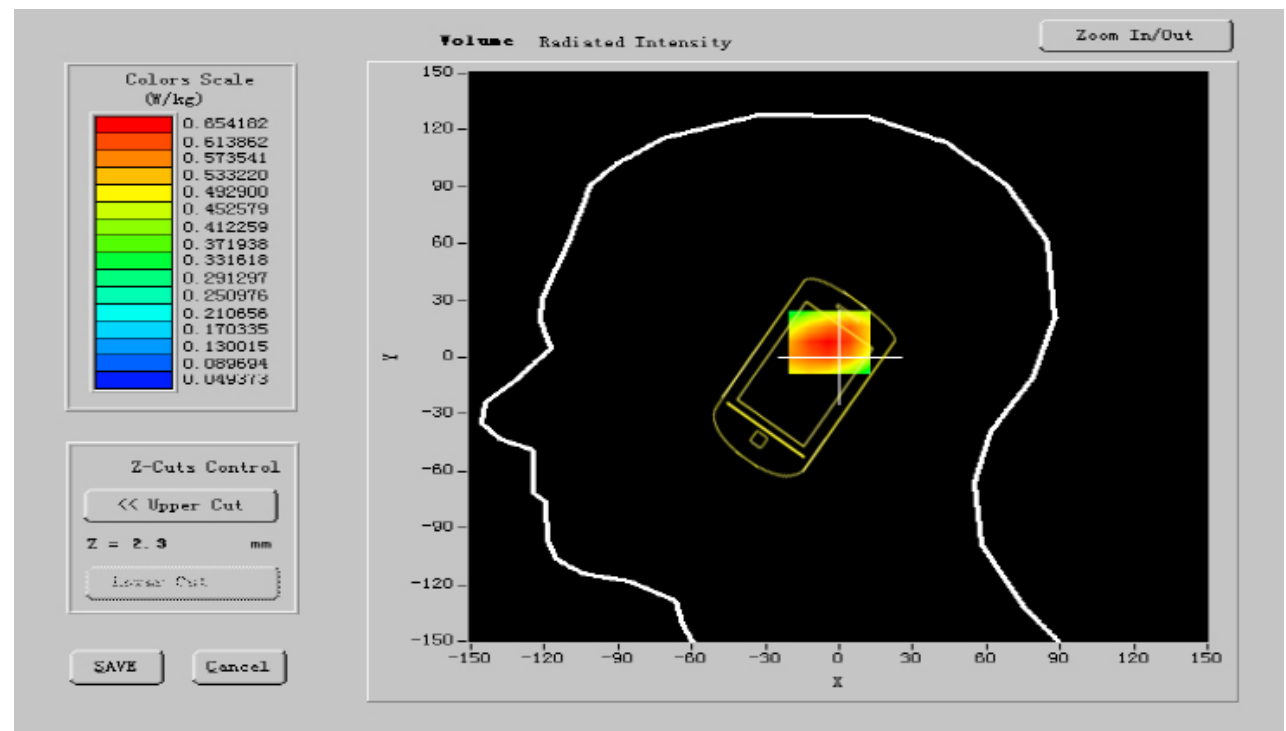
Crest factor:

1:1

SURFACE SAR



VOLUME SAR



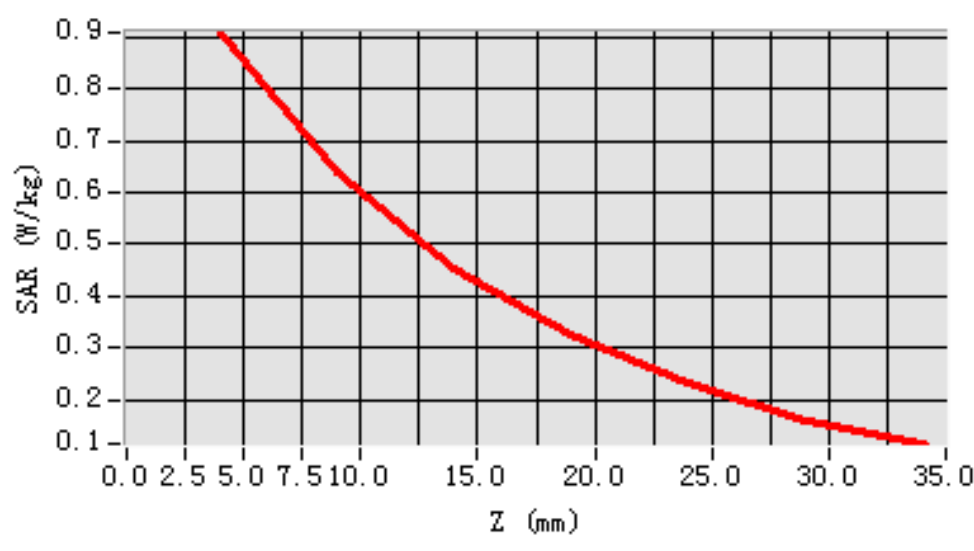


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.057410
SAR 1g (W/Kg)	0.079841

Z Axis Scan

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





MEASUREMENT 3

Date of measurement: 04/15/2011**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	802.11g
Channels	High
Signal	wireless

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 2450	Antennessa (DIPJ37,SN 48/05)	Calibration Due: 10/09/2011
Phantom	Antennessa (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antennessa	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

C. SAR Measurement Results

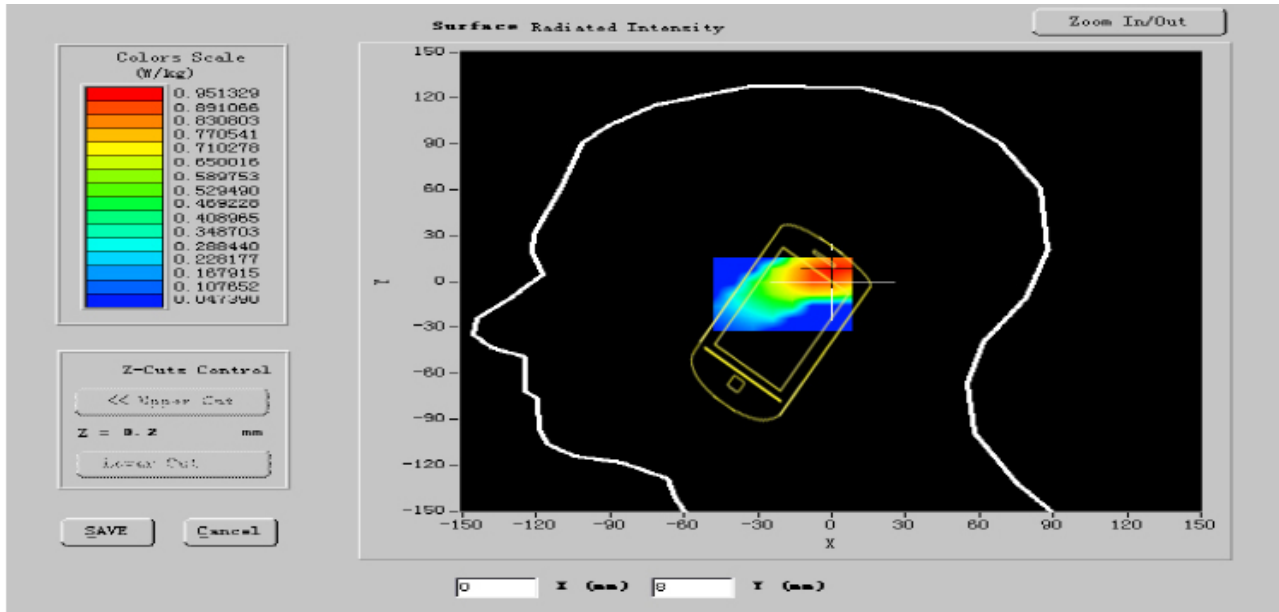
Frequency (MHz)	2462.000000
Relative permittivity (real part)	40.421402
Relative permittivity (imaginary part)	13.244152
Conductivity (S/m)	1.854787
Variation (%)	-0.100000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	51.18,53.87,70.48



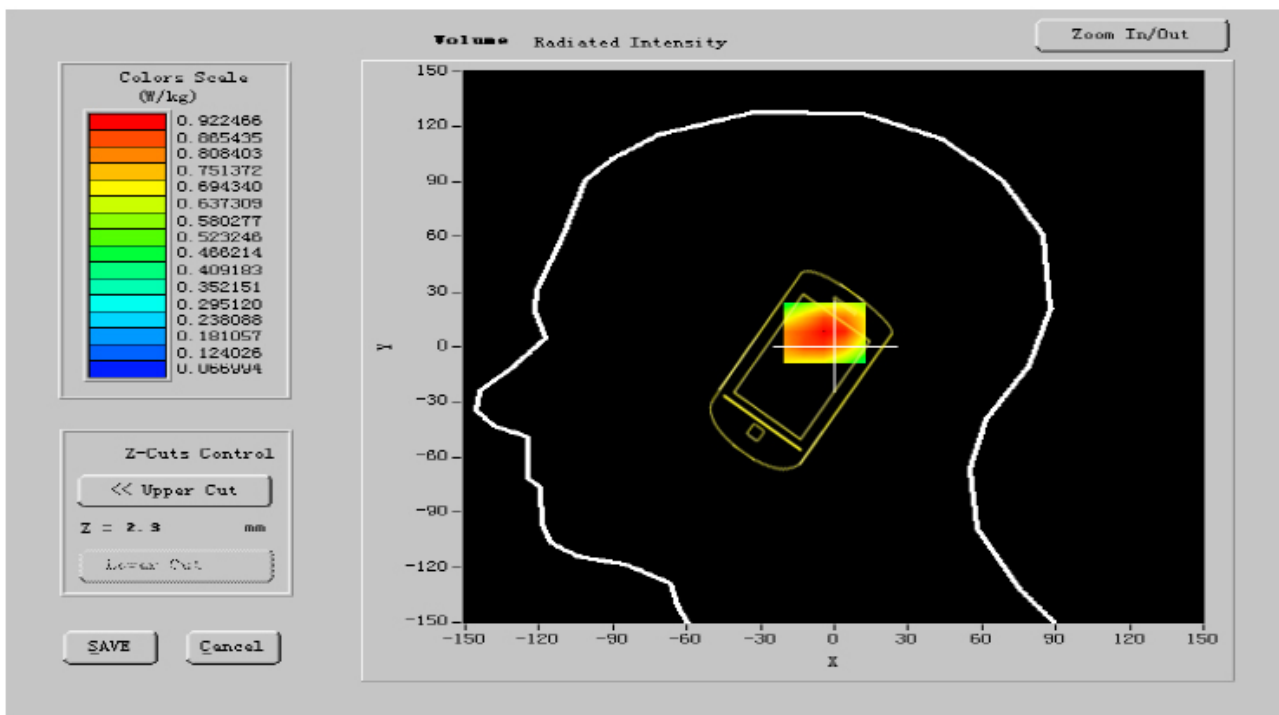
Crest factor:

1:1

SURFACE SAR



VOLUME SAR



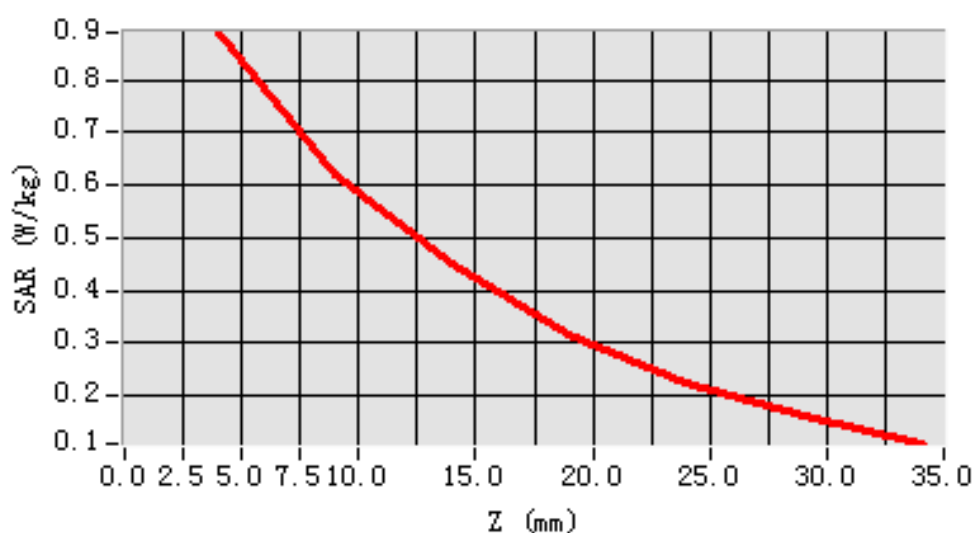


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.057415
SAR 1g (W/Kg)	0.107819

Z Axis Scan

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





MEASUREMENT 4

Date of measurement: 04/15/2011**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	802.11g
Channels	Low
Signal	wireless

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 2450	Antennessa (DIPJ37,SN 48/05)	Calibration Due: 10/09/2011
Phantom	Antennessa (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antennessa	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

C. SAR Measurement Results

Frequency (MHz)	2412.000000
Relative permittivity (real part)	40.423616
Relative permittivity (imaginary part)	13.294711
Conductivity (S/m)	1.857114
Variation (%)	-1.400000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C



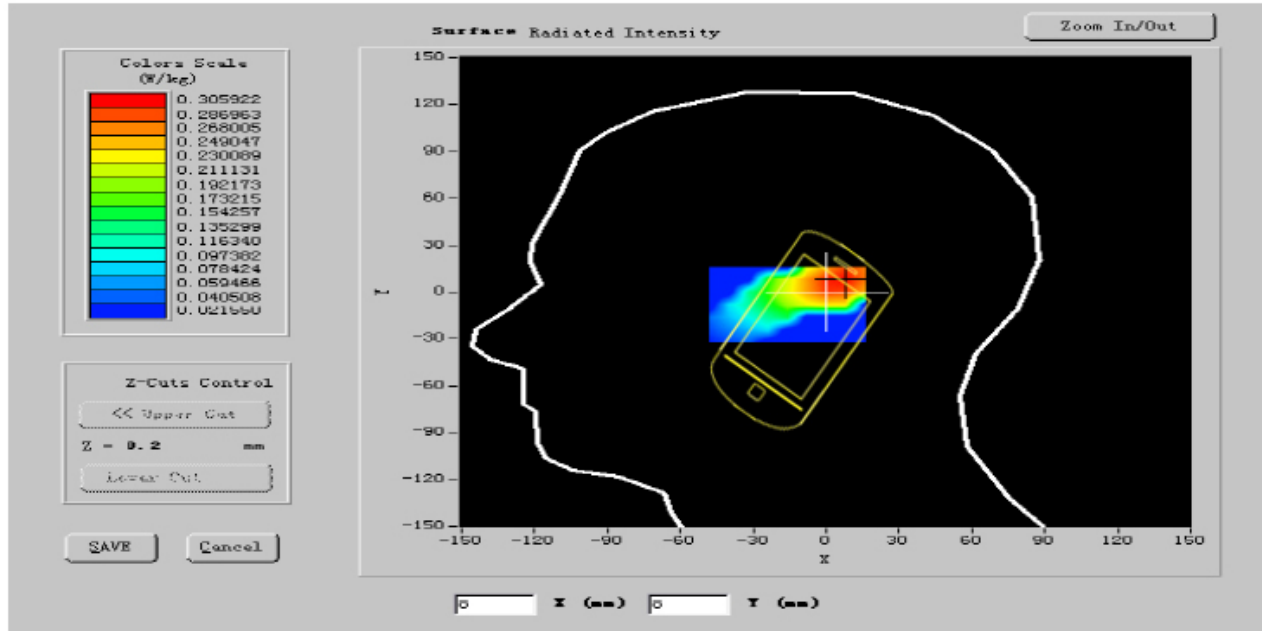
ConvF:

51.18,53.87,70.48

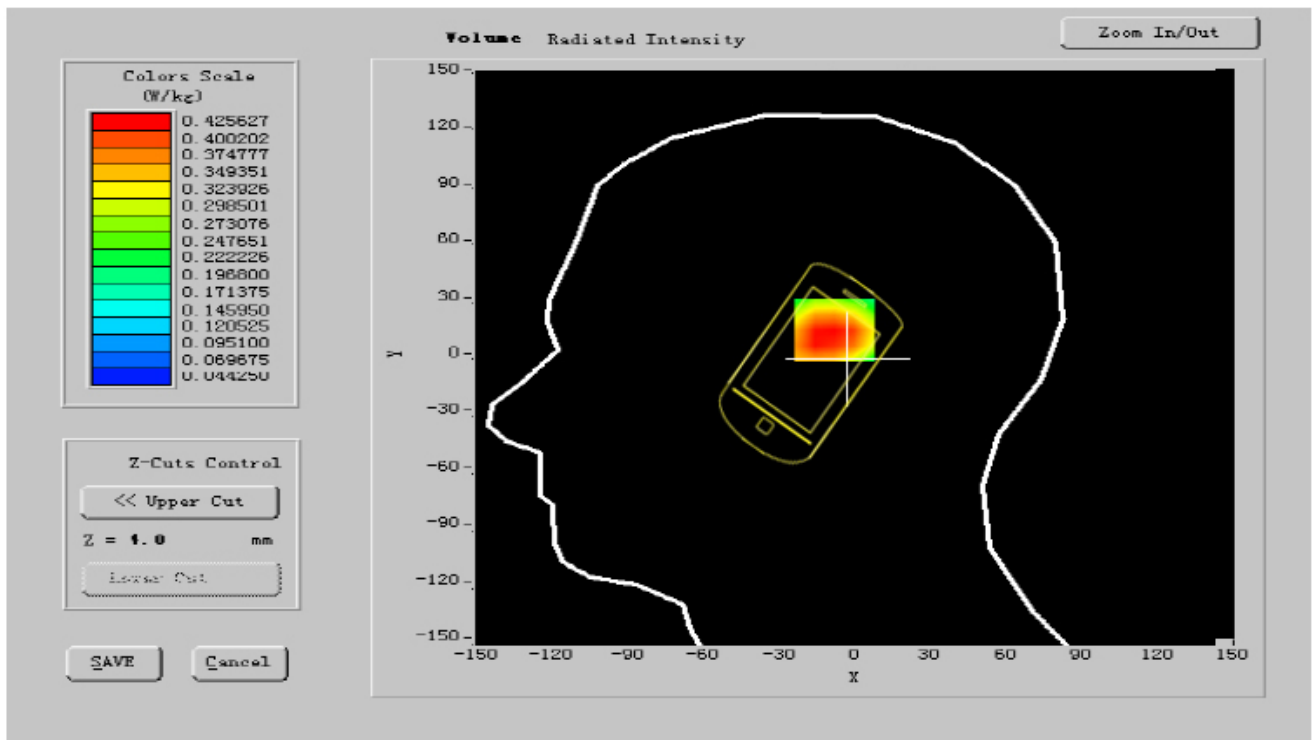
Crest factor:

1:1

SURFACE SAR



VOLUME SAR



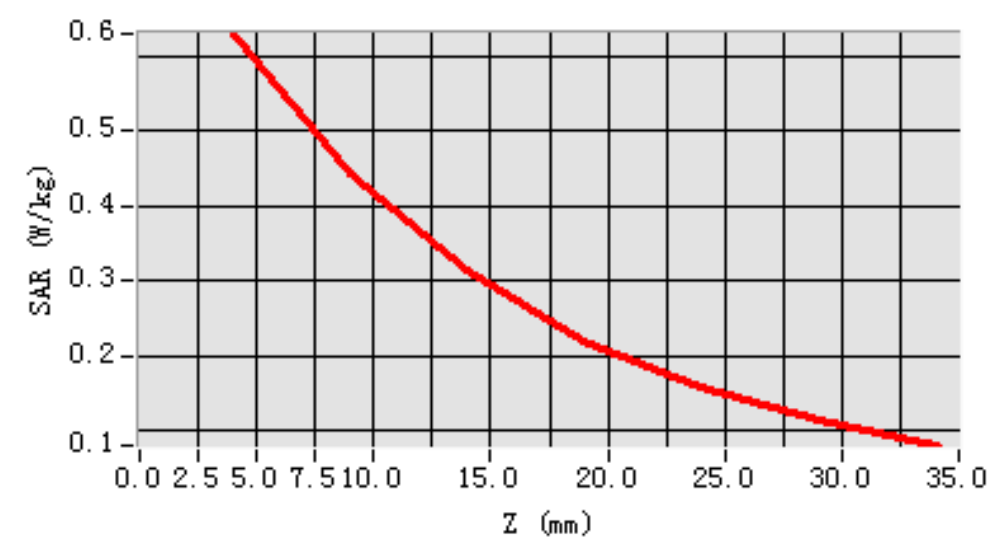


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.074598
SAR 1g (W/Kg)	0.148518

Z Axis Scan

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





MEASUREMENT 5

Date of measurement: 04/15/2011**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	802.11g
Channels	Middle
Signal	wireless

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 2450	Antennessa (DIPJ37,SN 48/05)	Calibration Due: 10/09/2011
Phantom	Antennessa (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antennessa	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

C. SAR Measurement Results

Frequency (MHz)	2437.000000
Relative permittivity (real part)	40.421410
Relative permittivity (imaginary part)	13.339811
Conductivity (S/m)	1.854144
Variation (%)	-0.400000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C



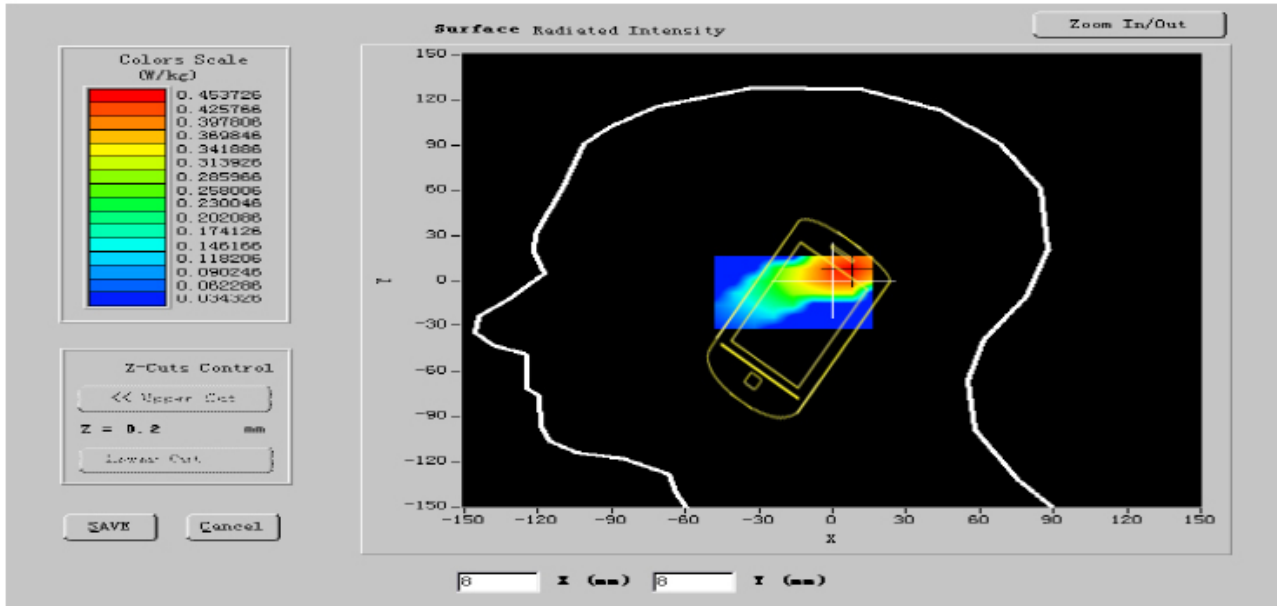
ConvF:

51.18,53.87,70.48

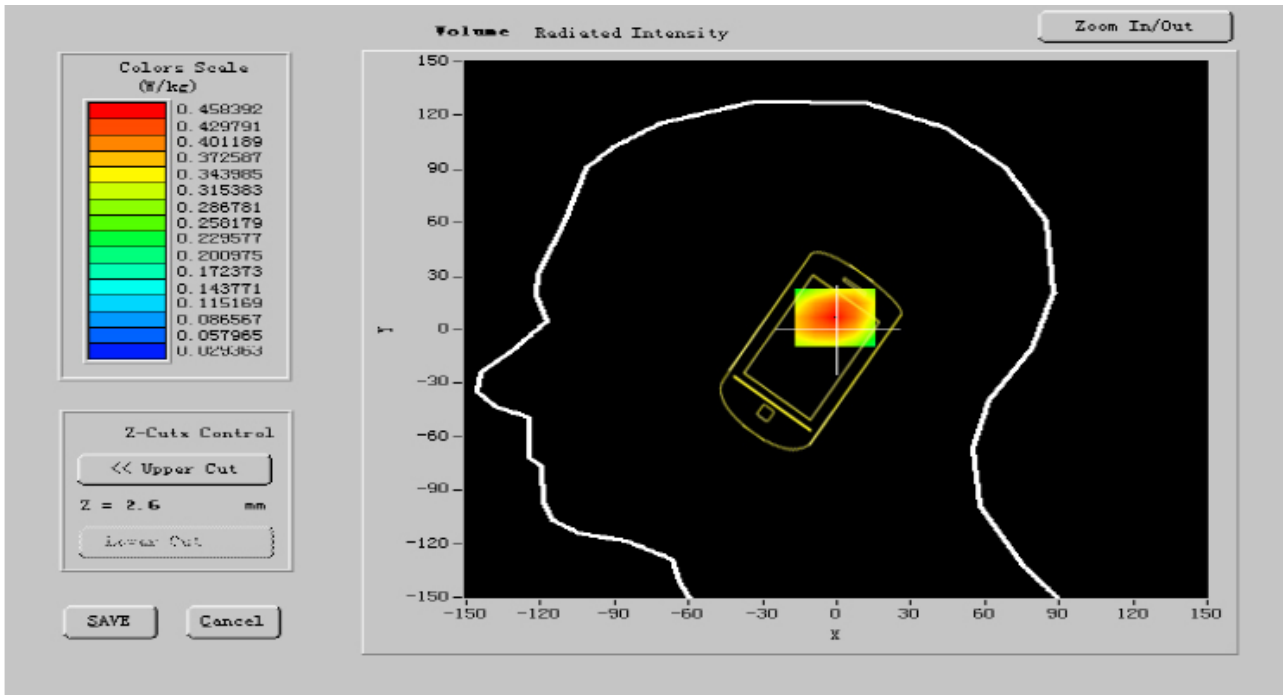
Crest factor:

1:1

SURFACE SAR



VOLUME SAR



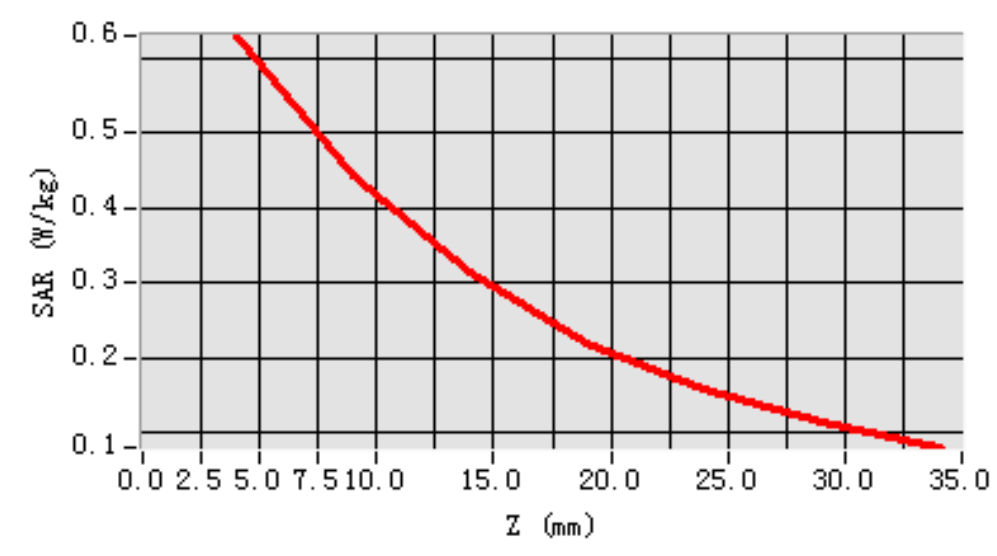


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.079541
SAR 1g (W/Kg)	0.157414

Z Axis Scan

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





MEASUREMENT 6

Date of measurement: 04/15/2011**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	802.11g
Channels	High
Signal	wireless

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 2450	Antennessa (DIPJ37,SN 48/05)	Calibration Due: 10/09/2011
Phantom	Antennessa (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antennessa	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

C. SAR Measurement Results

Frequency (MHz)	2462.000000
Relative permittivity (real part)	40.415410
Relative permittivity (imaginary part)	13.348744
Conductivity (S/m)	1.847550
Variation (%)	-1.500000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C



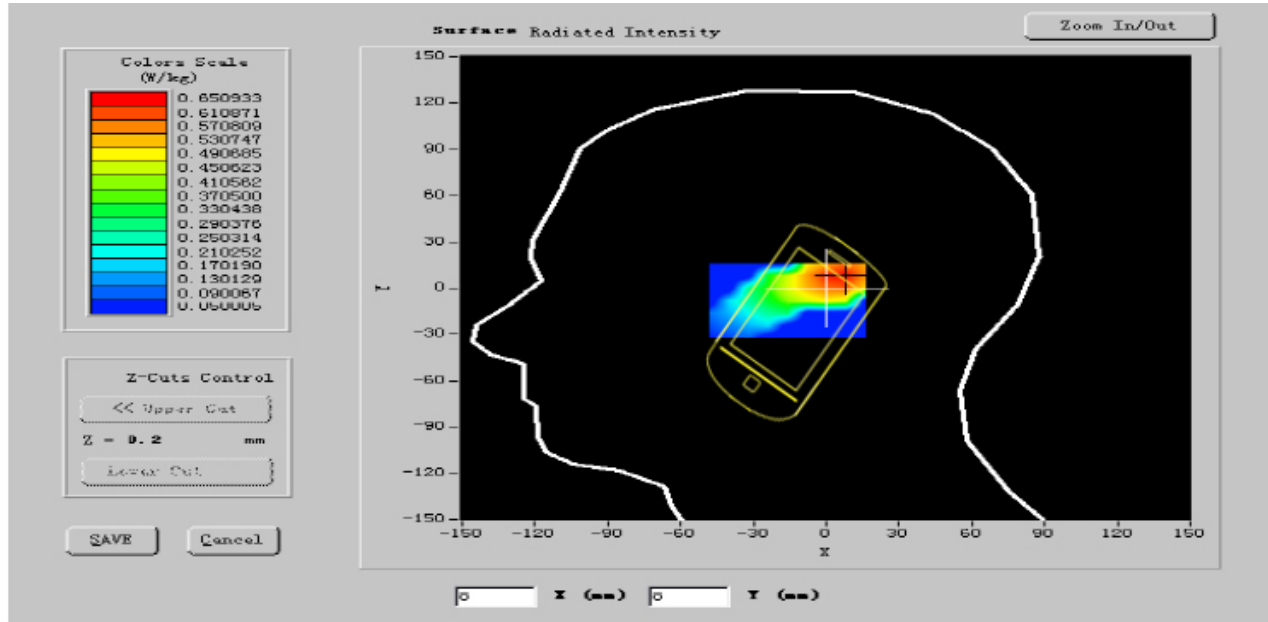
ConvF:

51.18,53.87,70.48

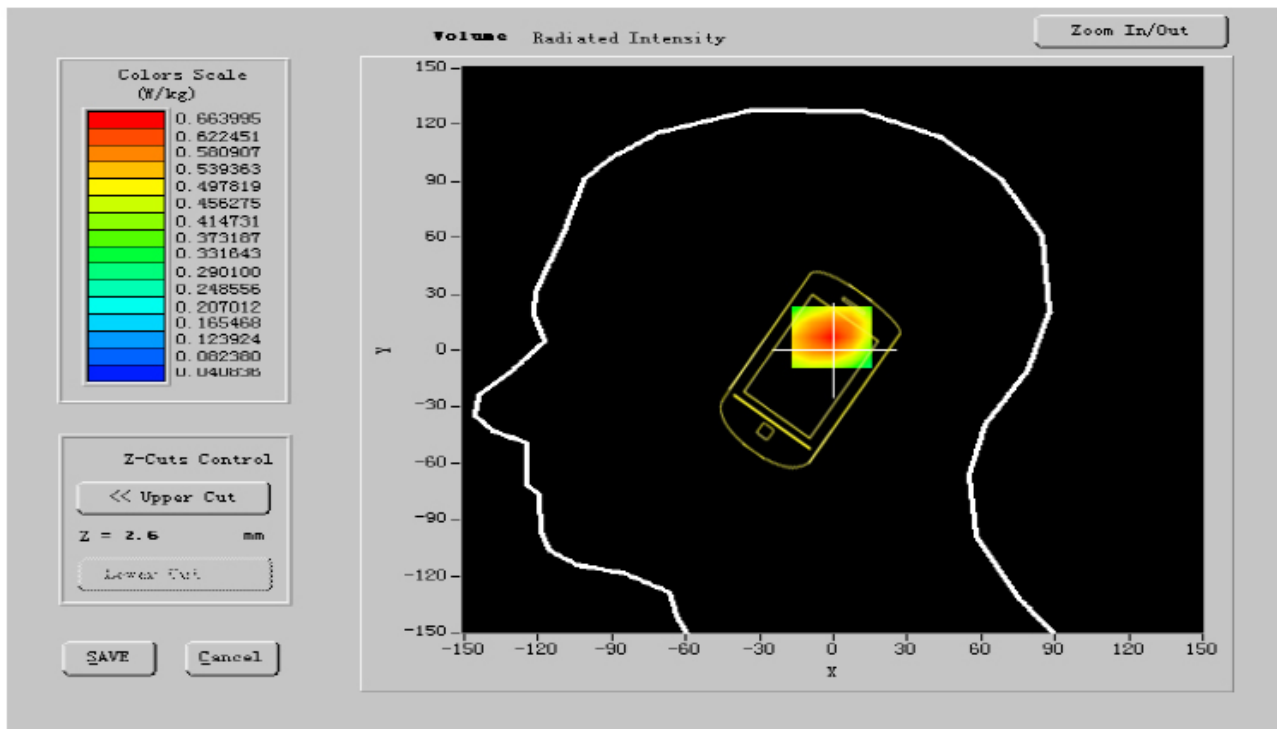
Crest factor:

1:1

SURFACE SAR



VOLUME SAR



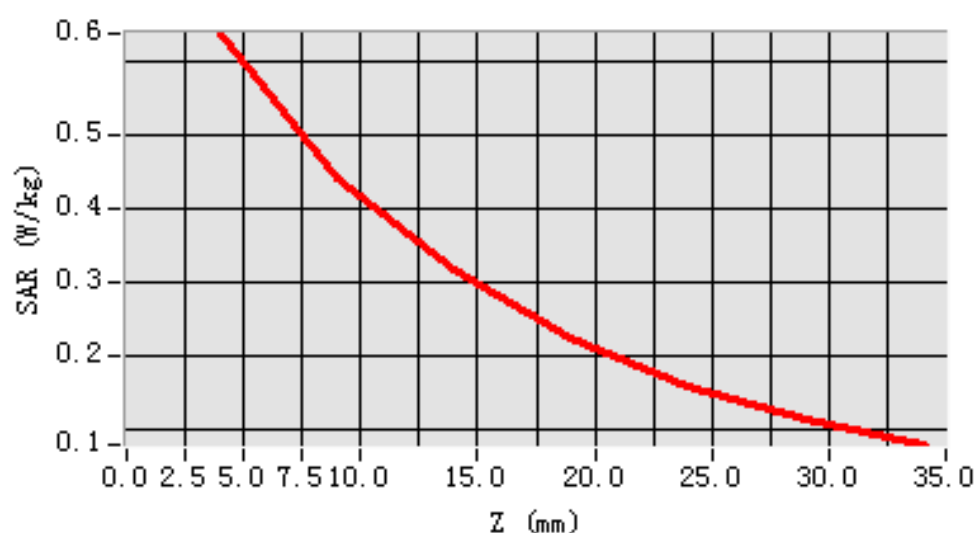


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.065112
SAR 1g (W/Kg)	0.115480

Z Axis Scan

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





MEASUREMENT 7

Date of measurement: 04/15/2011**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	802.11g
Channels	Low
Signal	wireless

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 2450	Antennessa (DIPJ37,SN 48/05)	Calibration Due: 10/09/2011
Phantom	Antennessa (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antennessa	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

C. SAR Measurement Results

Frequency (MHz)	2412.000000
Relative permittivity (real part)	40.411885
Relative permittivity (imaginary part)	13.360125
Conductivity (S/m)	1.858704
Variation (%)	0.300000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C



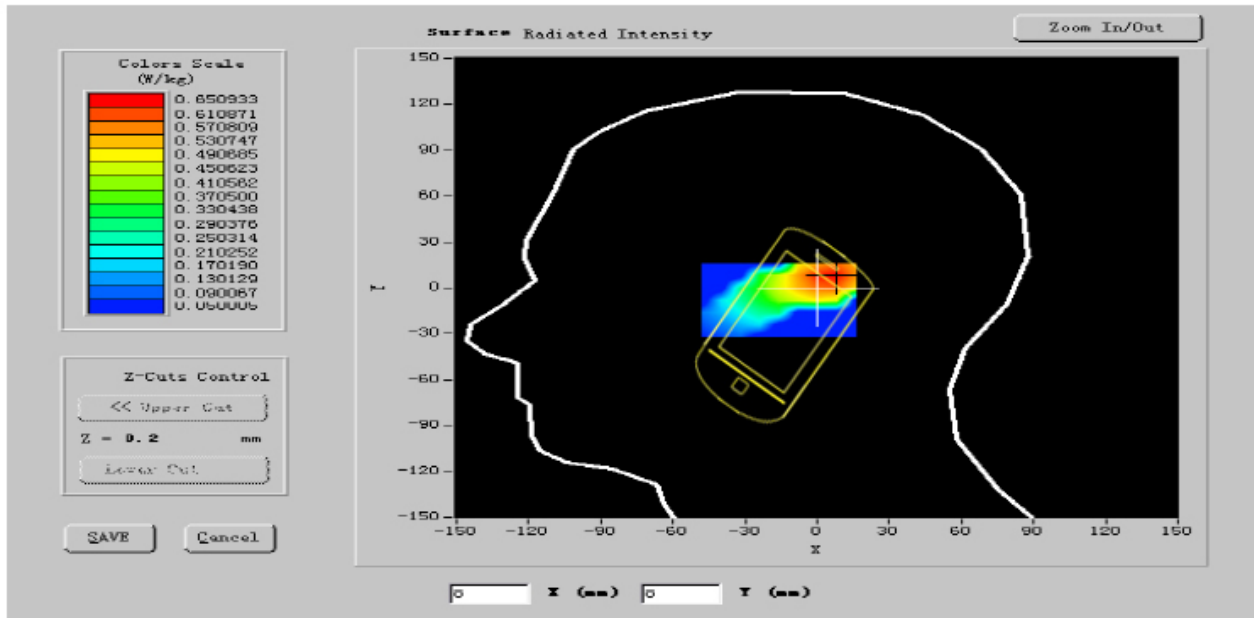
ConvF:

51.18,53.87,70.48

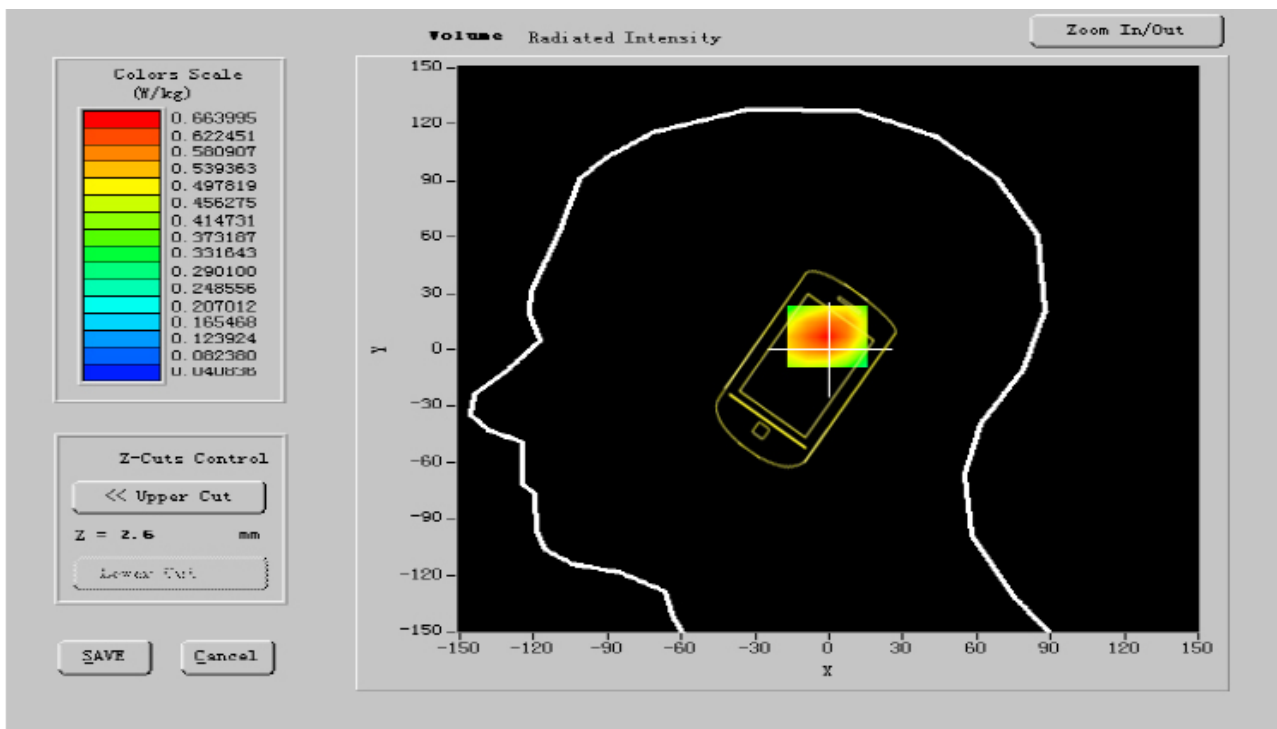
Crest factor:

1:1

SURFACE SAR



VOLUME SAR



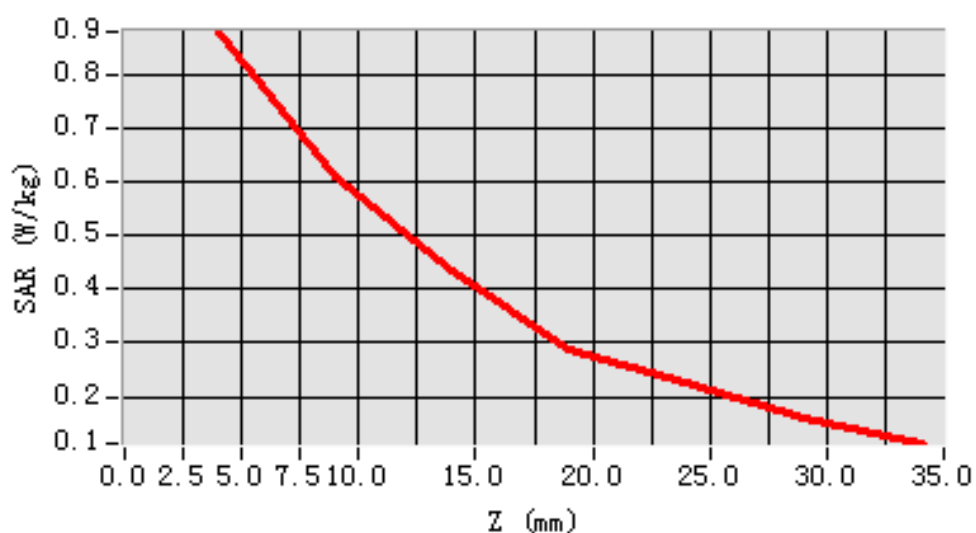


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.079544
SAR 1g (W/Kg)	0.107451

Z Axis Scan

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





MEASUREMENT 8

Date of measurement: 04/15/2011**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	802.11g
Channels	Middle
Signal	wireless

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 2450	Antennessa (DIPJ37,SN 48/05)	Calibration Due: 10/09/2011
Phantom	Antennessa (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antennessa	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

C. SAR Measurement Results

Frequency (MHz)	2437.000000
Relative permittivity (real part)	40.423651
Relative permittivity (imaginary part)	13.35741
Conductivity (S/m)	1.851741
Variation (%)	1.350000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C



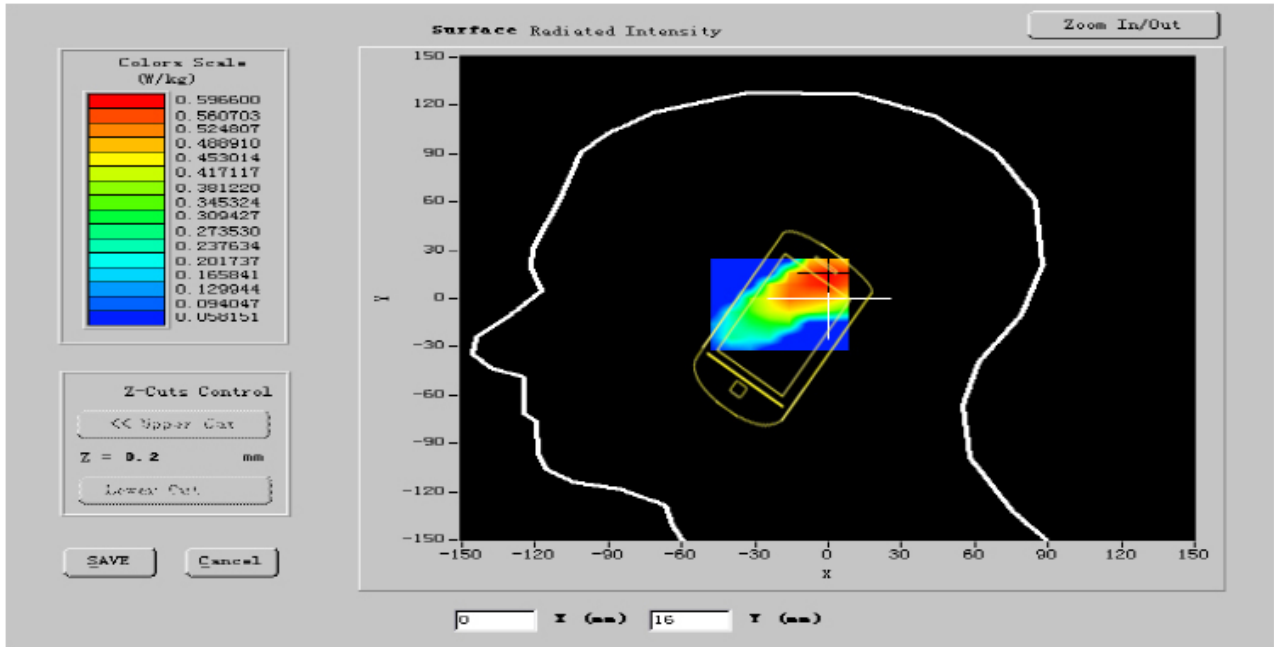
ConvF:

51.18,53.87,70.48

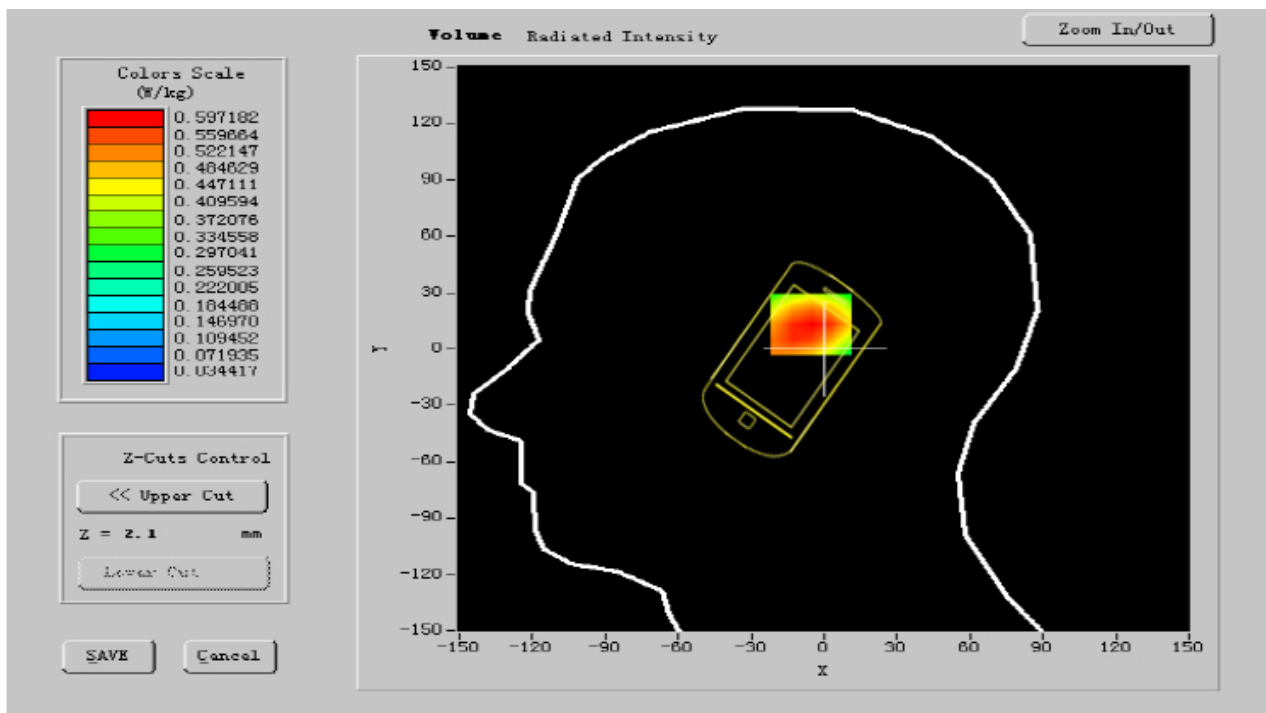
Crest factor:

1:1

SURFACE SAR



VOLUME SAR



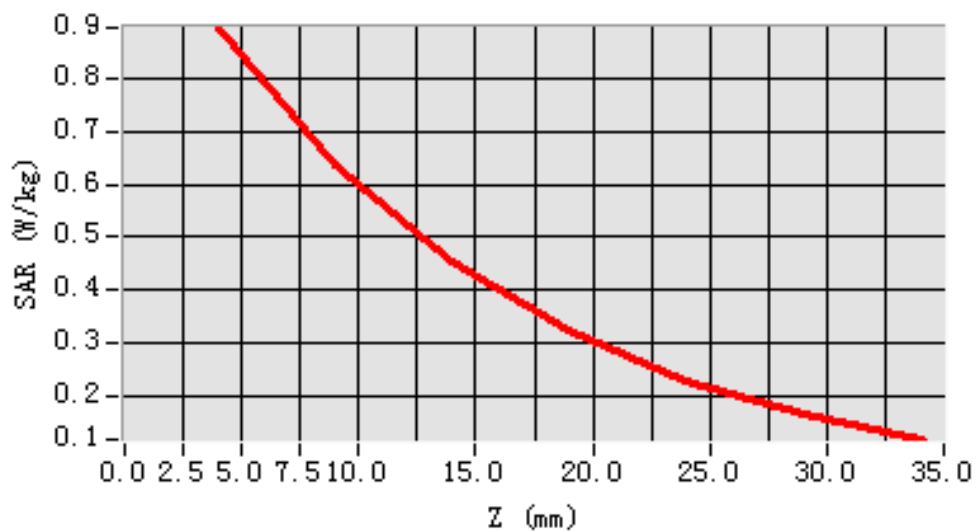


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.071214
SAR 1g (W/Kg)	0.116824

Z Axis Scan

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





MEASUREMENT 9

Date of measurement: 04/15/2011**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	802.11g
Channels	High
Signal	wireless

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 2450	Antennessa (DIPJ37,SN 48/05)	Calibration Due: 10/09/2011
Phantom	Antennessa (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antennessa	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

C. SAR Measurement Results

Frequency (MHz)	2462.000000
Relative permittivity (real part)	40.354108
Relative permittivity (imaginary part)	13.35710
Conductivity (S/m)	1.856720
Variation (%)	0.490000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C



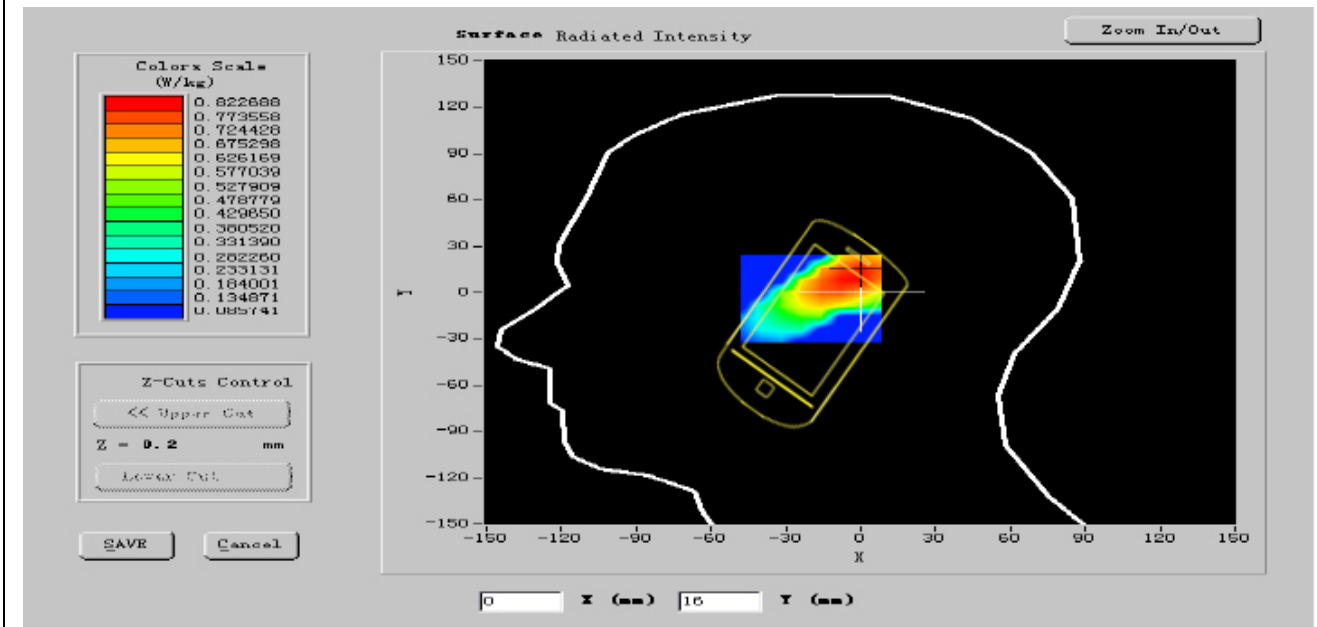
ConvF:

51.18,53.87,70.48

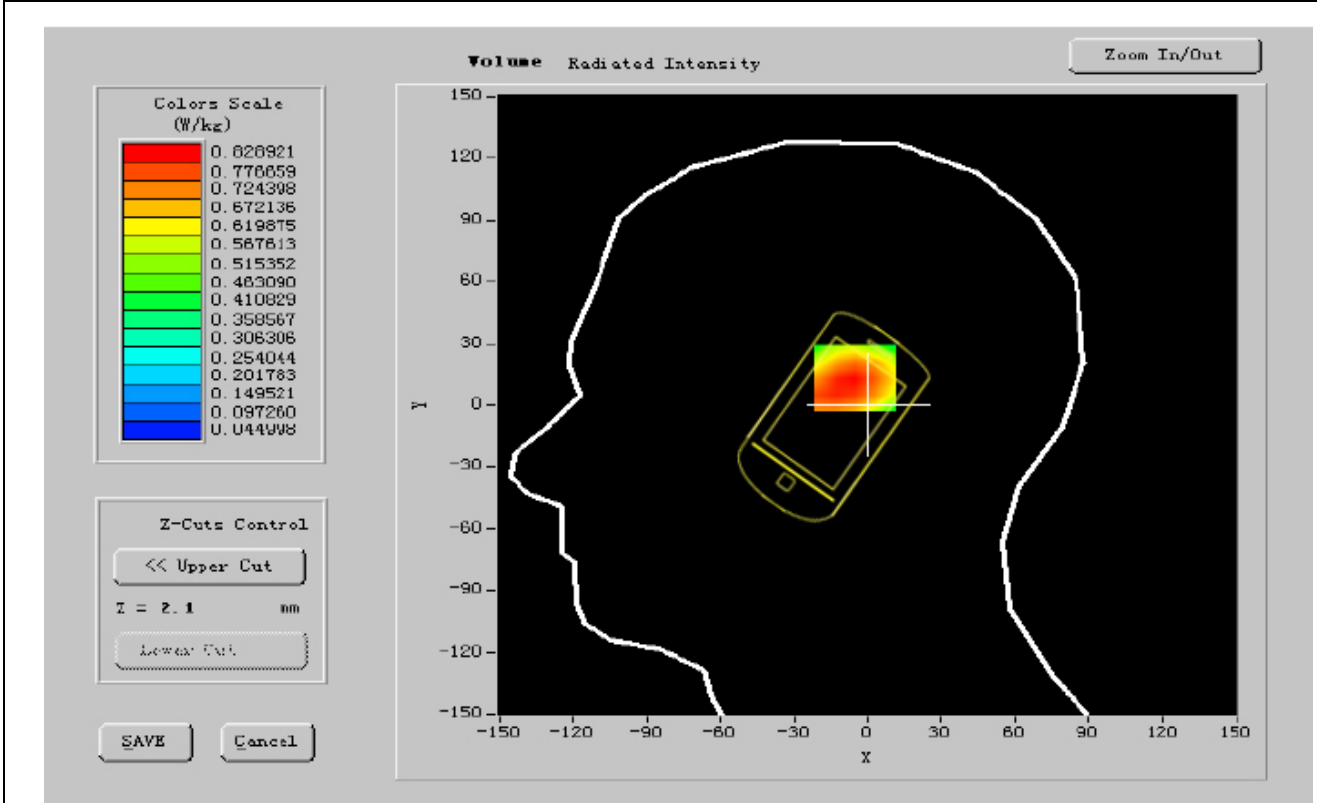
Crest factor:

1:1

SURFACE SAR



VOLUME SAR



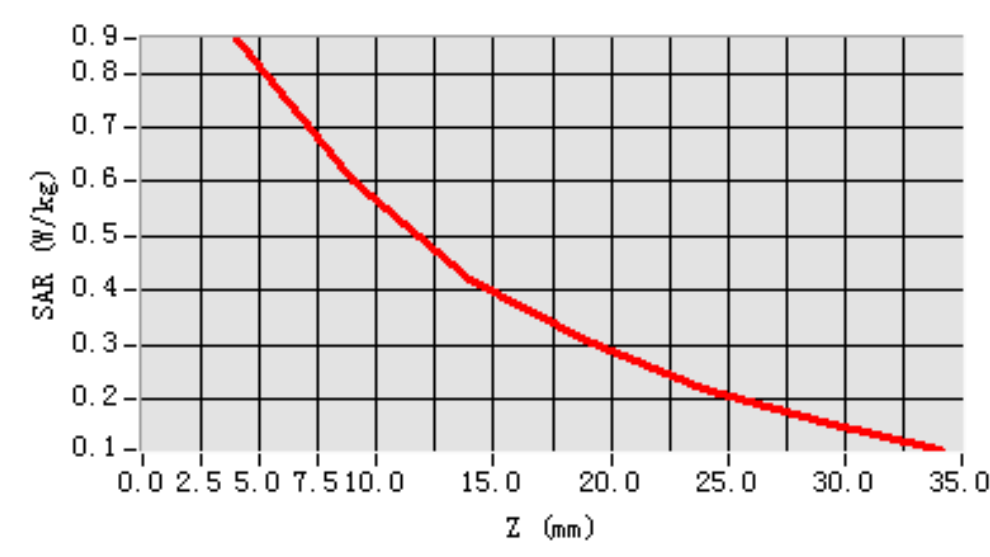


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.098410
SAR 1g (W/Kg)	0.136471

Z Axis Scan

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





MEASUREMENT 10

Date of measurement: 04/15/2011**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	802.11g
Channels	Low
Signal	wireless

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 2450	Antennessa (DIPJ37,SN 48/05)	Calibration Due: 10/09/2011
Phantom	Antennessa (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antennessa	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

C. SAR Measurement Results

Frequency (MHz)	2412.000000
Relative permittivity (real part)	40.411584
Relative permittivity (imaginary part)	13.360591
Conductivity (S/m)	1.858466
Variation (%)	-0.600000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C



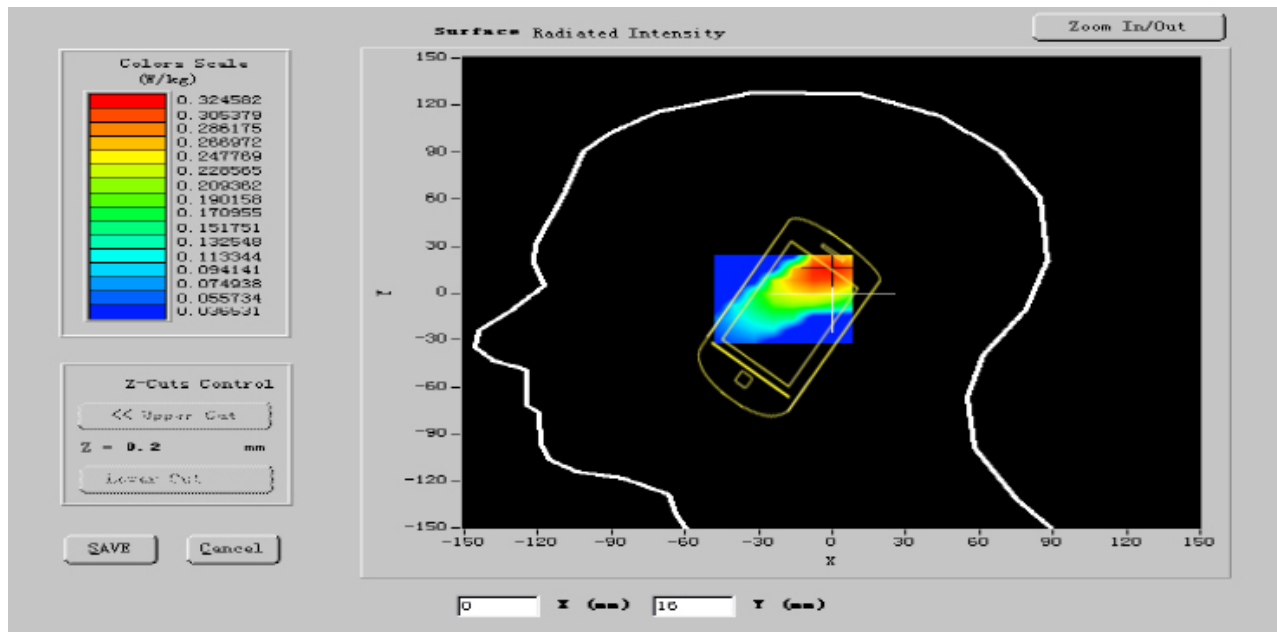
ConvF:

51.18,53.87,70.48

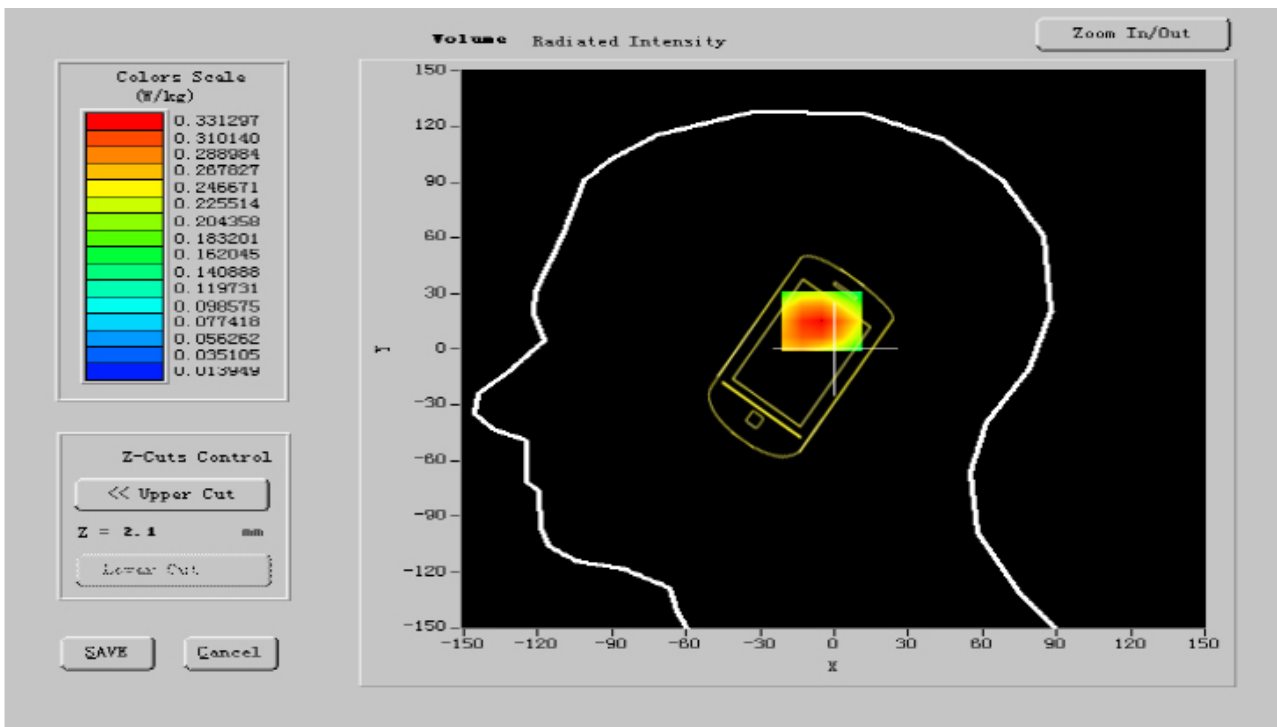
Crest factor:

1:1

SURFACE SAR



VOLUME SAR



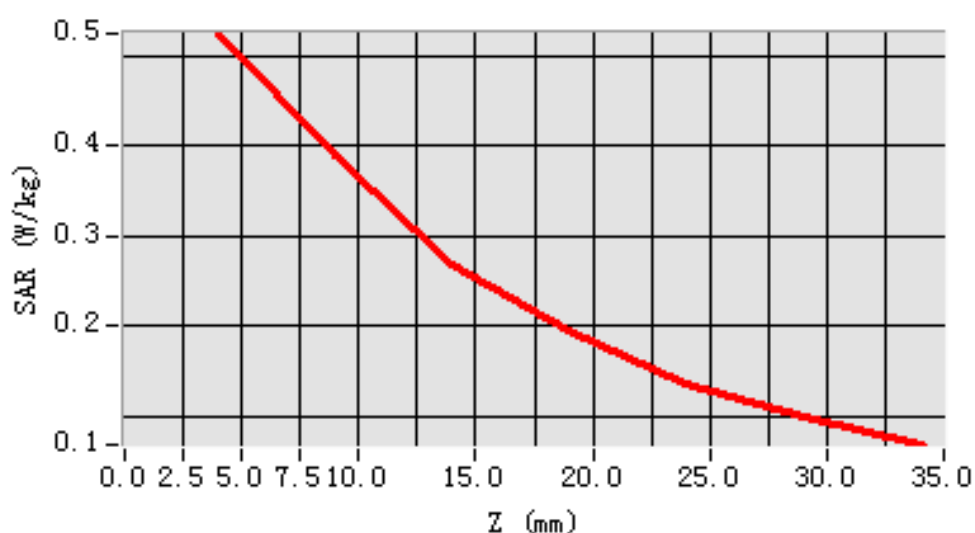


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.102143
SAR 1g (W/Kg)	0.178426

Z Axis Scan

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





MEASUREMENT 11

Date of measurement: 04/15/2011**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	802.11g
Channels	Middle
Signal	wireless

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 2450	Antennessa (DIPJ37,SN 48/05)	Calibration Due: 10/09/2011
Phantom	Antennessa (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antennessa	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

C. SAR Measurement Results

Frequency (MHz)	2437.000000
Relative permittivity (real part)	40.432015
Relative permittivity (imaginary part)	13.291614
Conductivity (S/m)	1.848710
Variation (%)	-1.100000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C



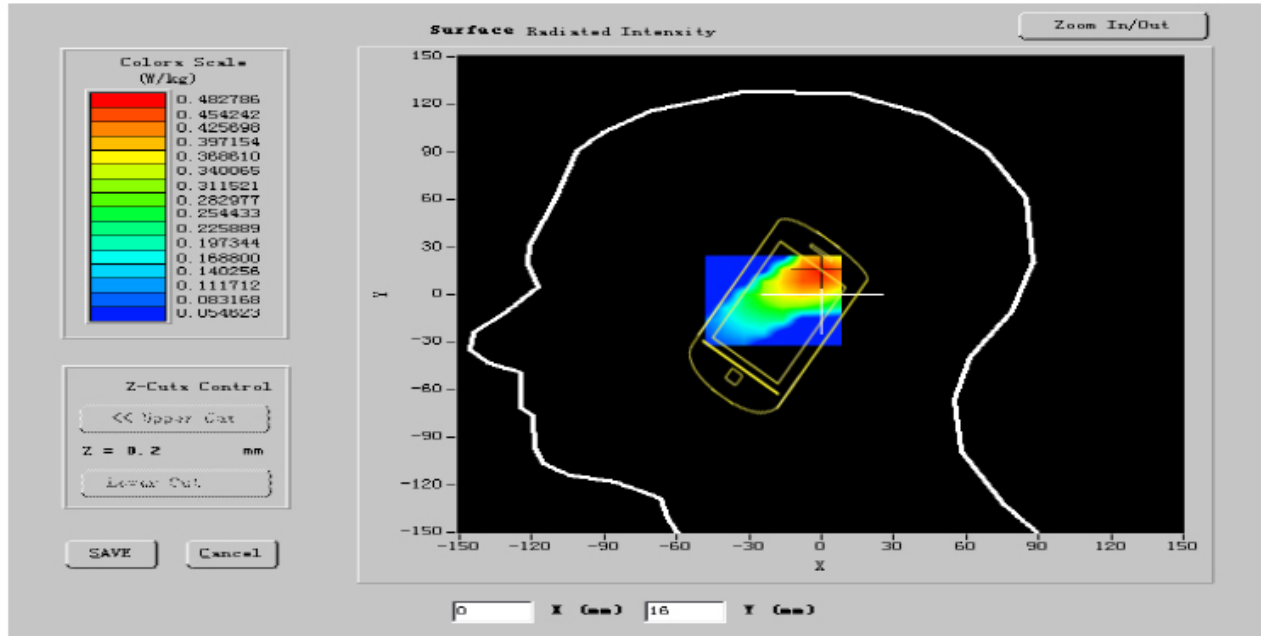
ConvF:

51.18,53.87,70.48

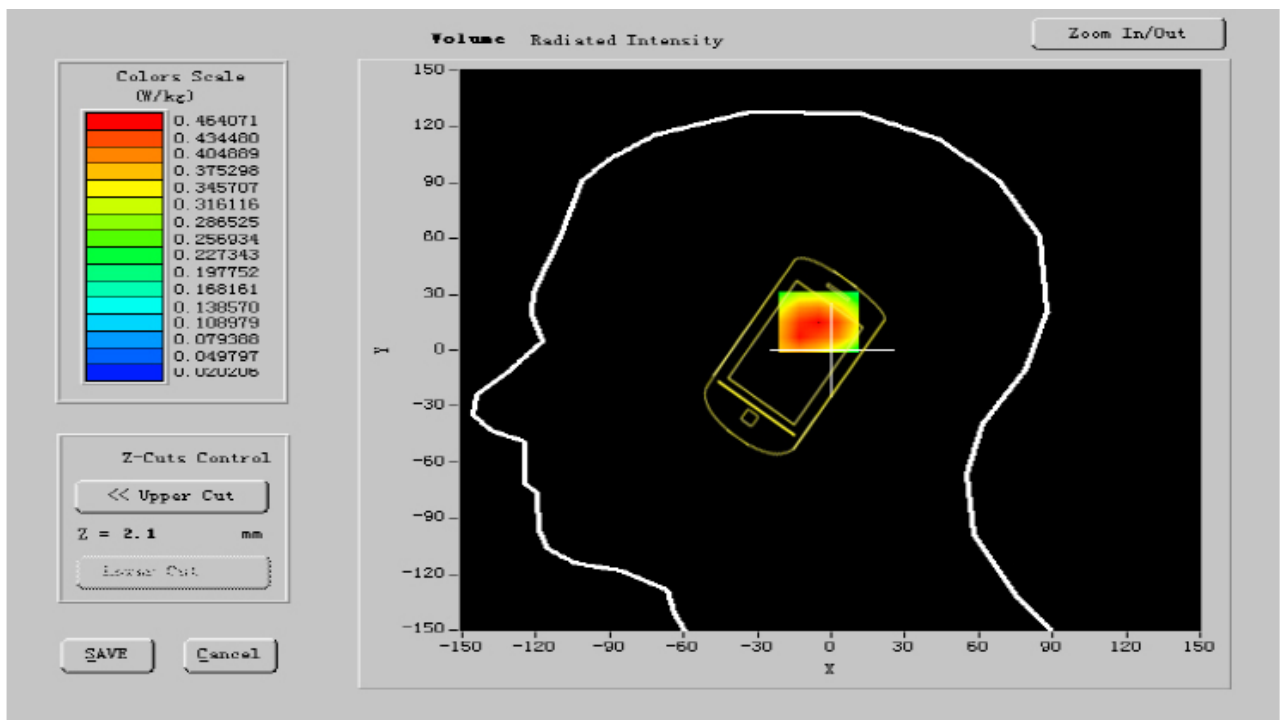
Crest factor:

1:1

SURFACE SAR



VOLUME SAR



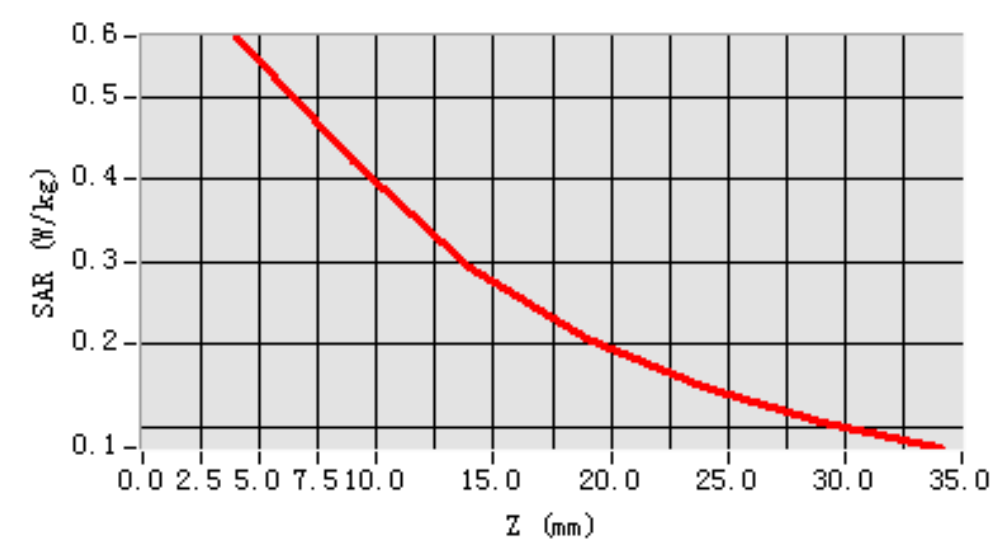


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.101597
SAR 1g (W/Kg)	0.205473

Z Axis Scan

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





MEASUREMENT 12

Date of measurement: 04/15/2011**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	802.11g
Channels	High
Signal	wireless

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 2450	Antennessa (DIPJ37,SN 48/05)	Calibration Due: 10/09/2011
Phantom	Antennessa (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antennessa	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

C. SAR Measurement Results

Frequency (MHz)	2462.000000
Relative permittivity (real part)	40.430141
Relative permittivity (imaginary part)	13.374121
Conductivity (S/m)	1.854970
Variation (%)	-1.110000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C



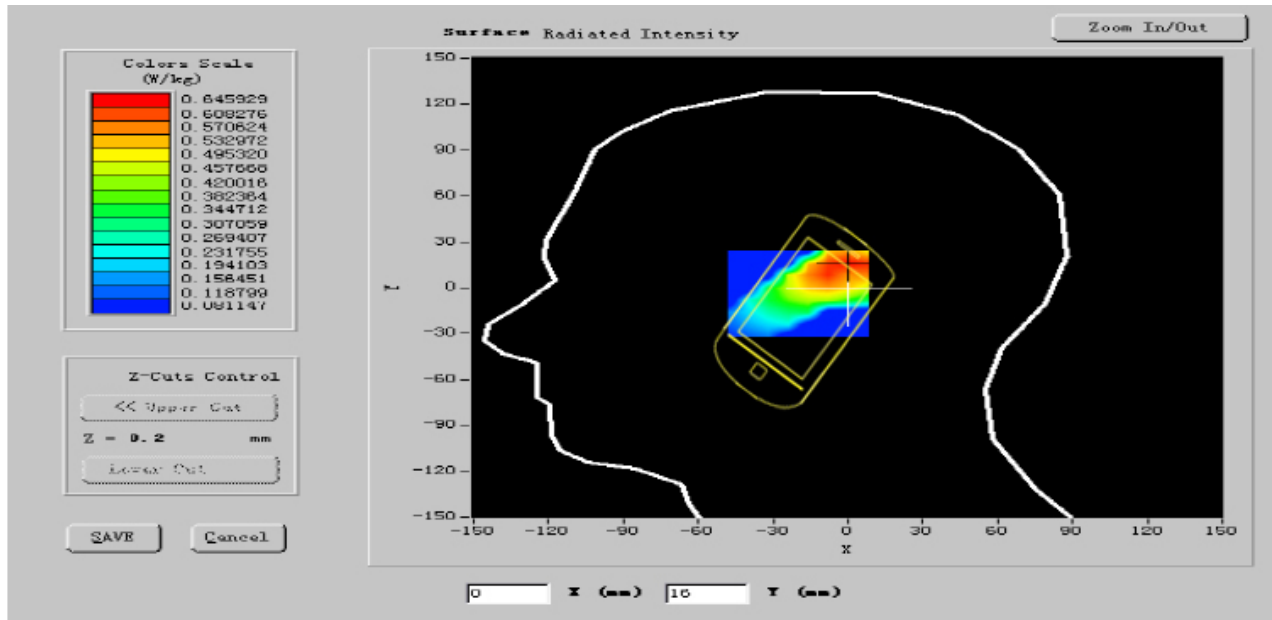
ConvF:

51.18,53.87,70.48

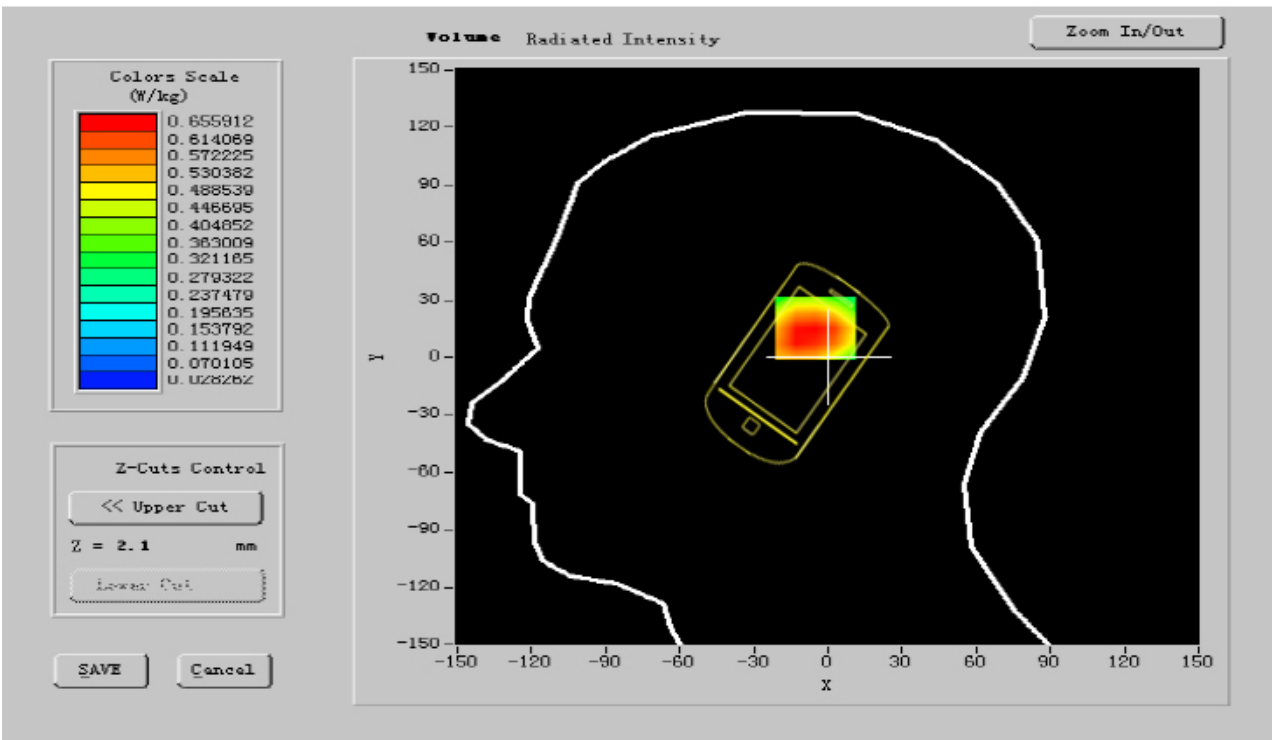
Crest factor:

1:1

SURFACE SAR



VOLUME SAR



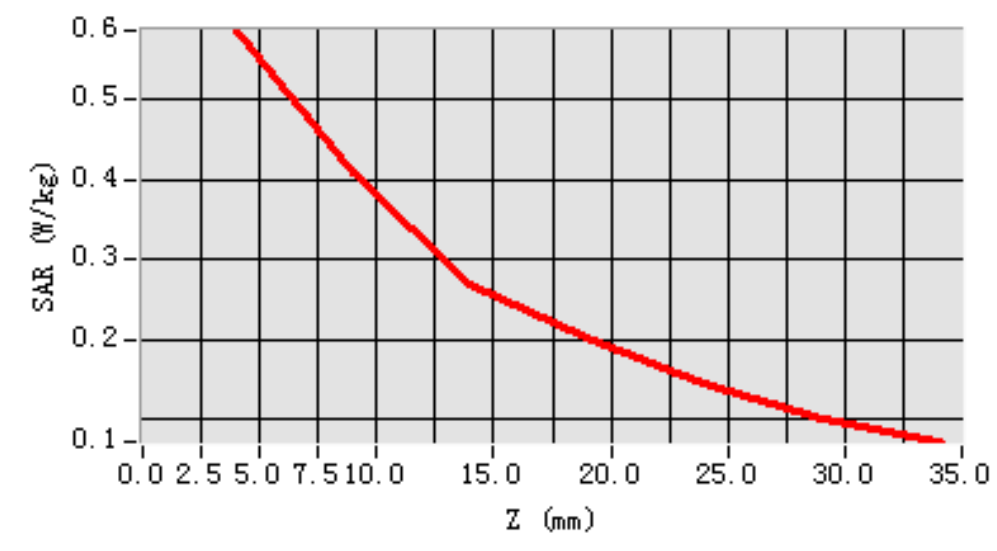


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.157412
SAR 1g (W/Kg)	0.215489

Z Axis Scan

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





MEASUREMENT 13

Date of measurement: 04/15/2011**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	802.11g
Channels	Low
Signal	wireless

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 2450	Antennessa (DIPJ37,SN 48/05)	Calibration Due: 10/09/2011
Phantom	Antennessa (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antennessa	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

C. SAR Measurement Results

Frequency (MHz)	2412.000000
Relative permittivity (real part)	51.518744
Relative permittivity (imaginary part)	13.36810
Conductivity (S/m)	1.959874
Variation (%)	-0.140000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C

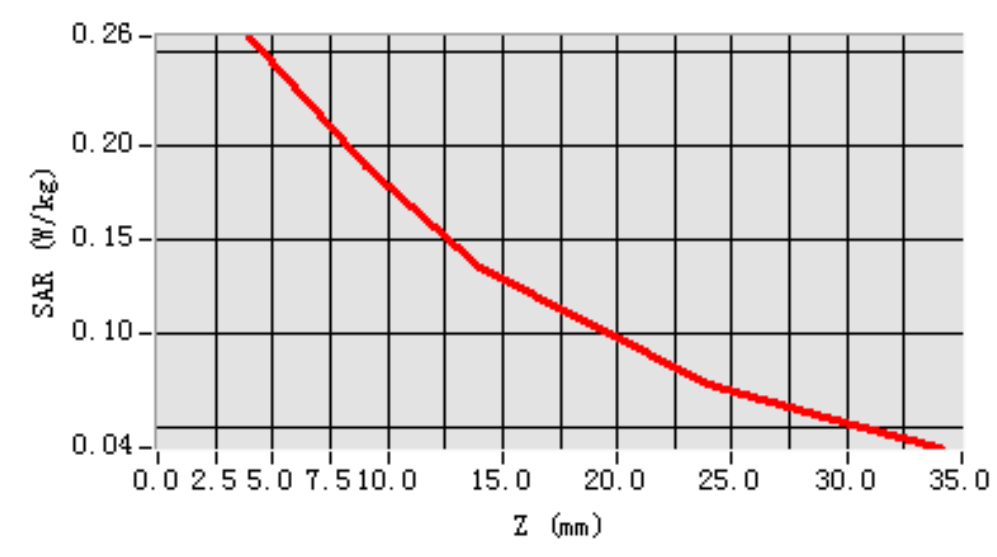


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.035470
SAR 1g (W/Kg)	0.059324

Z Axis Scan

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





MEASUREMENT 14

Date of measurement: 04/15/2011**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	802.11g
Channels	Middle
Signal	wireless

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 2450	Antennessa (DIPJ37,SN 48/05)	Calibration Due: 10/09/2011
Phantom	Antennessa (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antennessa	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

C. SAR Measurement Results

Frequency (MHz)	2437.000000
Relative permittivity (real part)	51.521000
Relative permittivity (imaginary part)	13.357011
Conductivity (S/m)	1.959871
Variation (%)	-0.600000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C



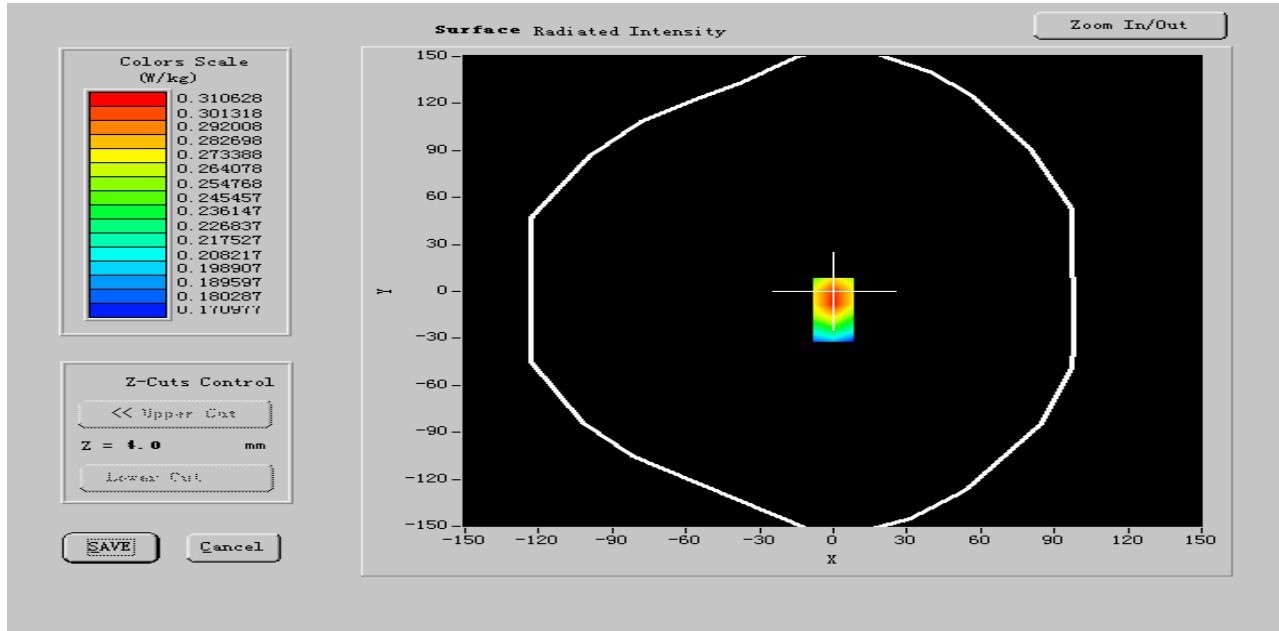
ConvF:

50.35,52.98,69.78

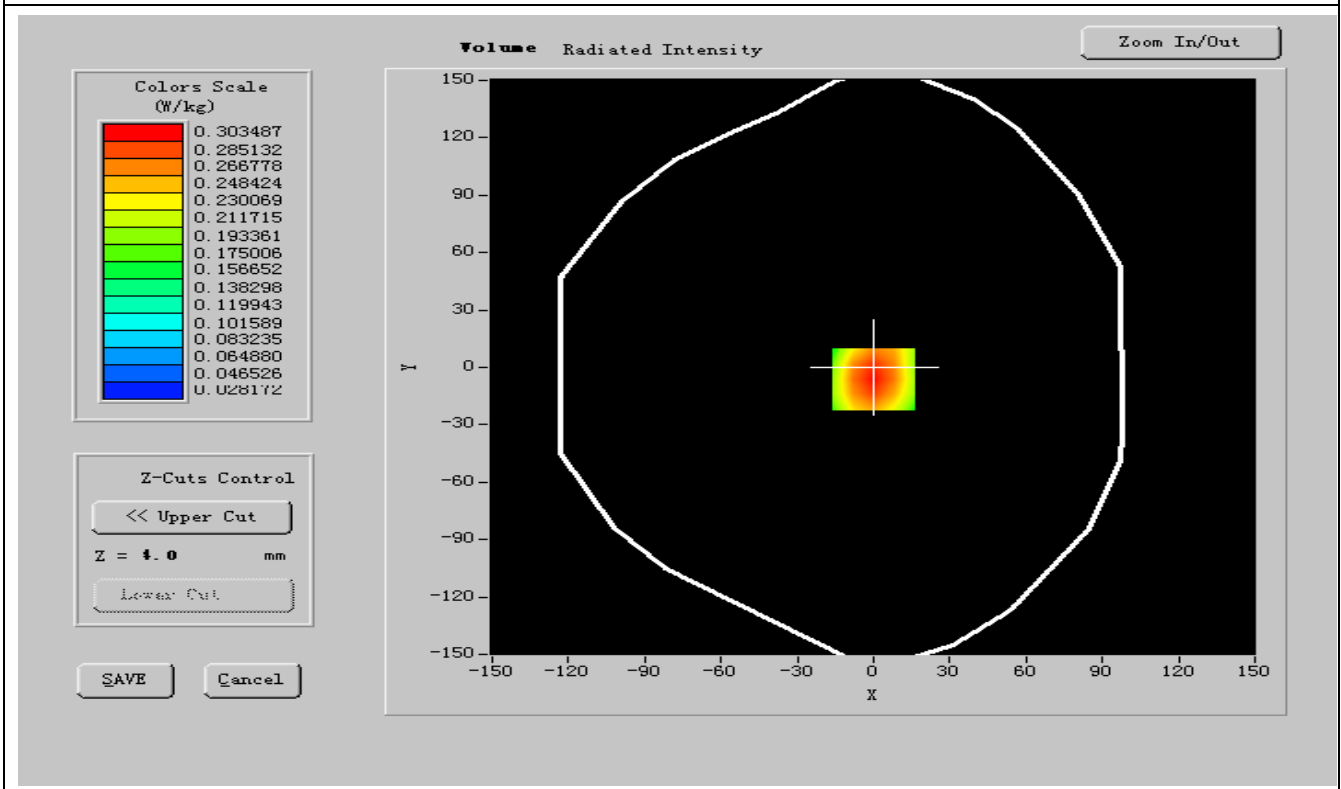
Crest factor:

1:1

SURFACE SAR



VOLUME SAR



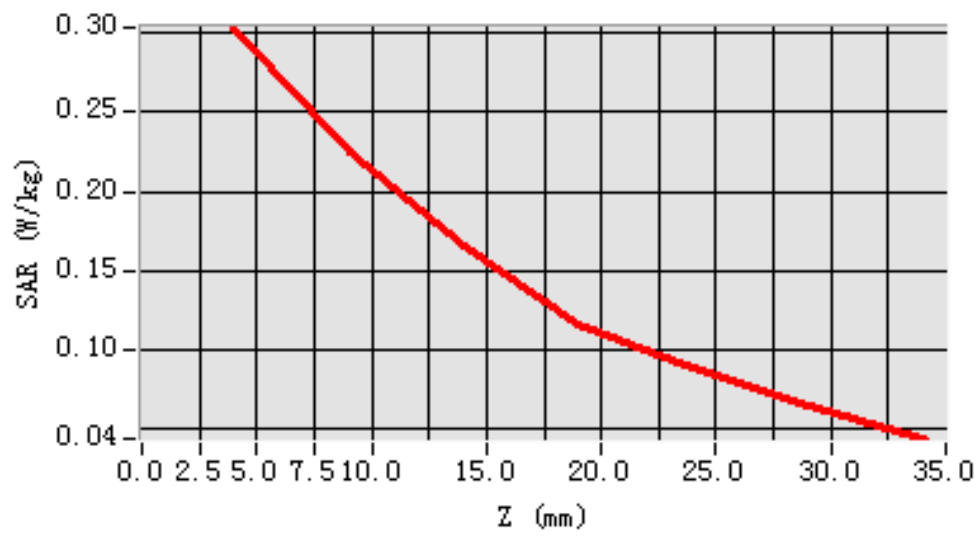


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.054701
SAR 1g (W/Kg)	0.077851

Z Axis Scan

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





MEASUREMENT 15

Date of measurement: 04/15/2011**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	802.11g
Channels	High
Signal	wireless

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 2450	Antennessa (DIPJ37,SN 48/05)	Calibration Due: 10/09/2011
Phantom	Antennessa (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antennessa	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

C. SAR Measurement Results

Frequency (MHz)	2462.000000
Relative permittivity (real part)	51.536640
Relative permittivity (imaginary part)	13.380026
Conductivity (S/m)	1.959641
Variation (%)	-0.400000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C



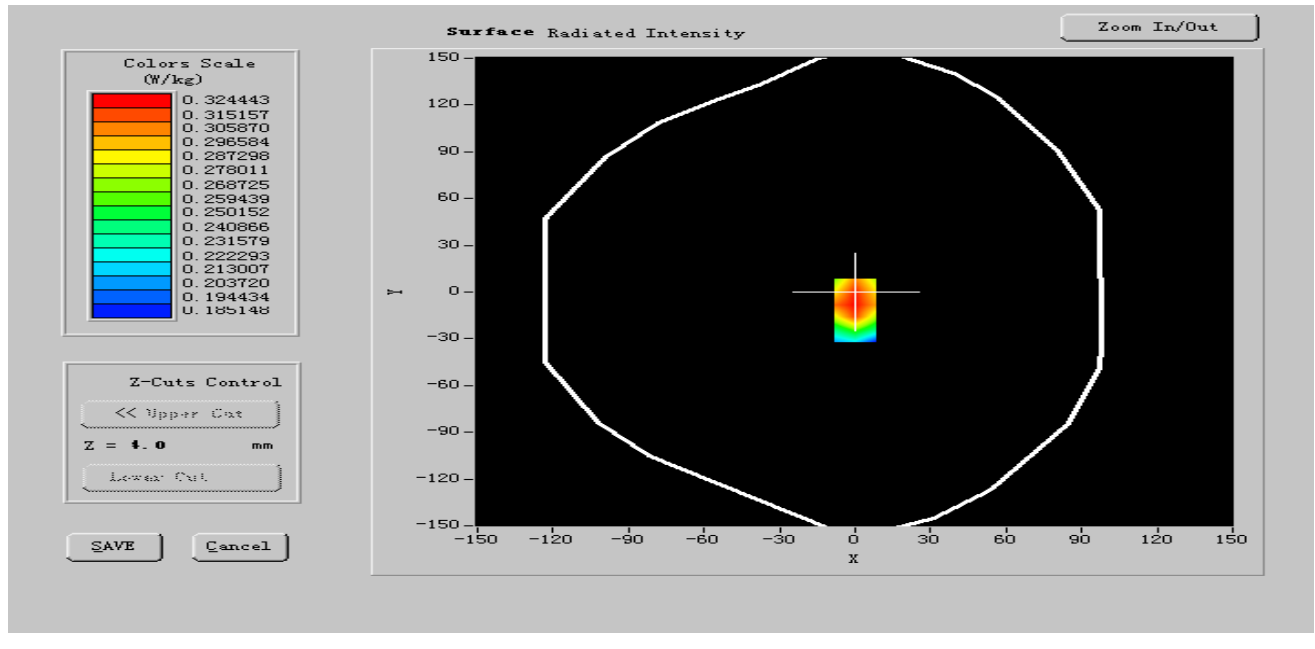
ConvF:

50.35,52.98,69.78

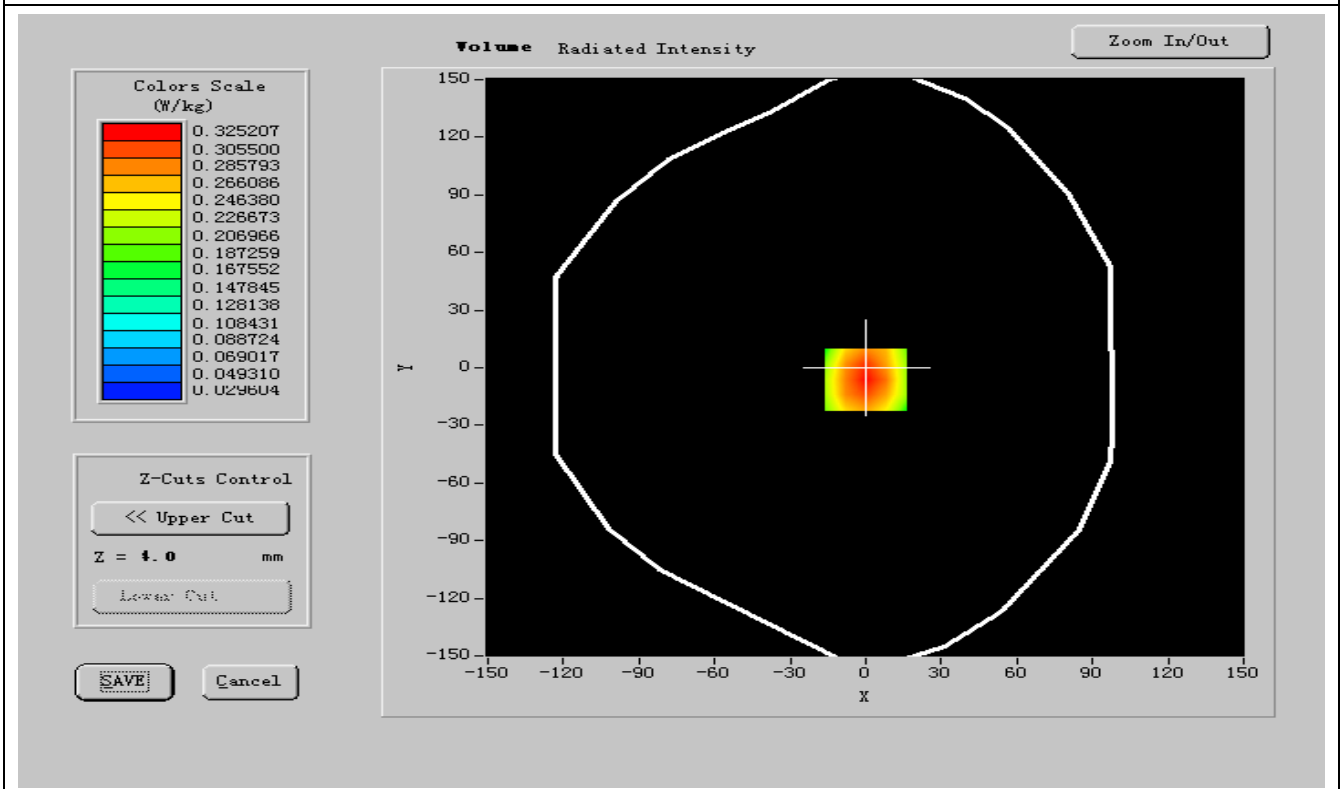
Crest factor:

1:1

SURFACE SAR



VOLUME SAR



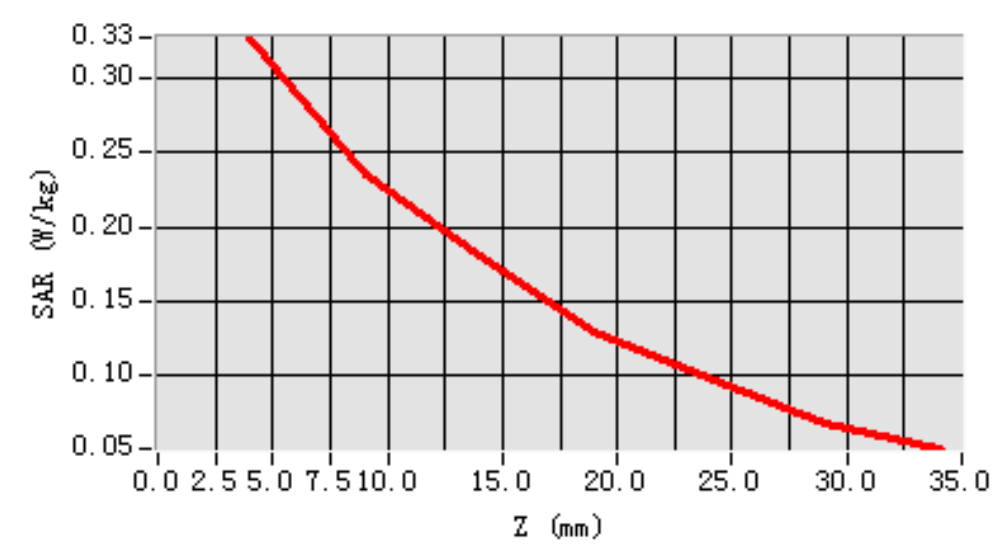


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.057418
SAR 1g (W/Kg)	0.089157

Z Axis Scan

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



**MEASUREMENT 16****Date of measurement: 04/15/2011****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	BackSide toward phantom
Band	802.11g
Channels	Low
Signal	wireless

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 2450	Antennessa (DIPJ37,SN 48/05)	Calibration Due: 10/09/2011
Phantom	Antennessa (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antennessa	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

C. SAR Measurement Results

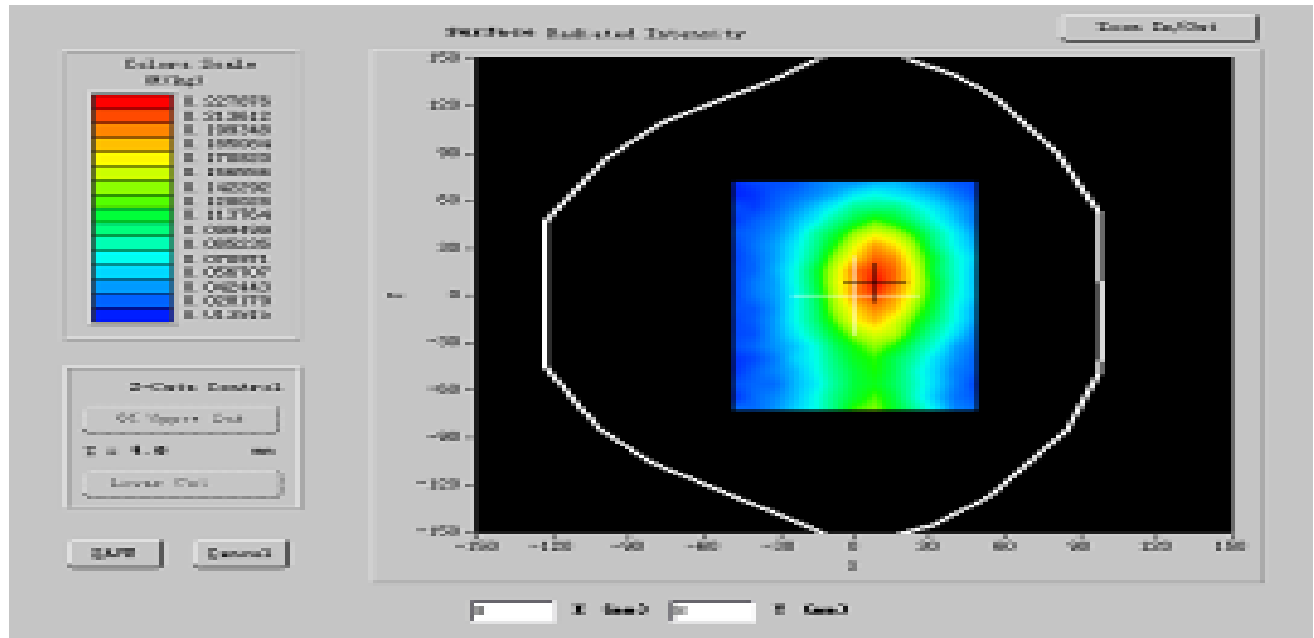
Frequency (MHz)	2412.000000
Relative permittivity (real part)	51.526981
Relative permittivity (imaginary part)	13.357411
Conductivity (S/m)	1.957404
Variation (%)	-0.110000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	50.35,52.98,69.78



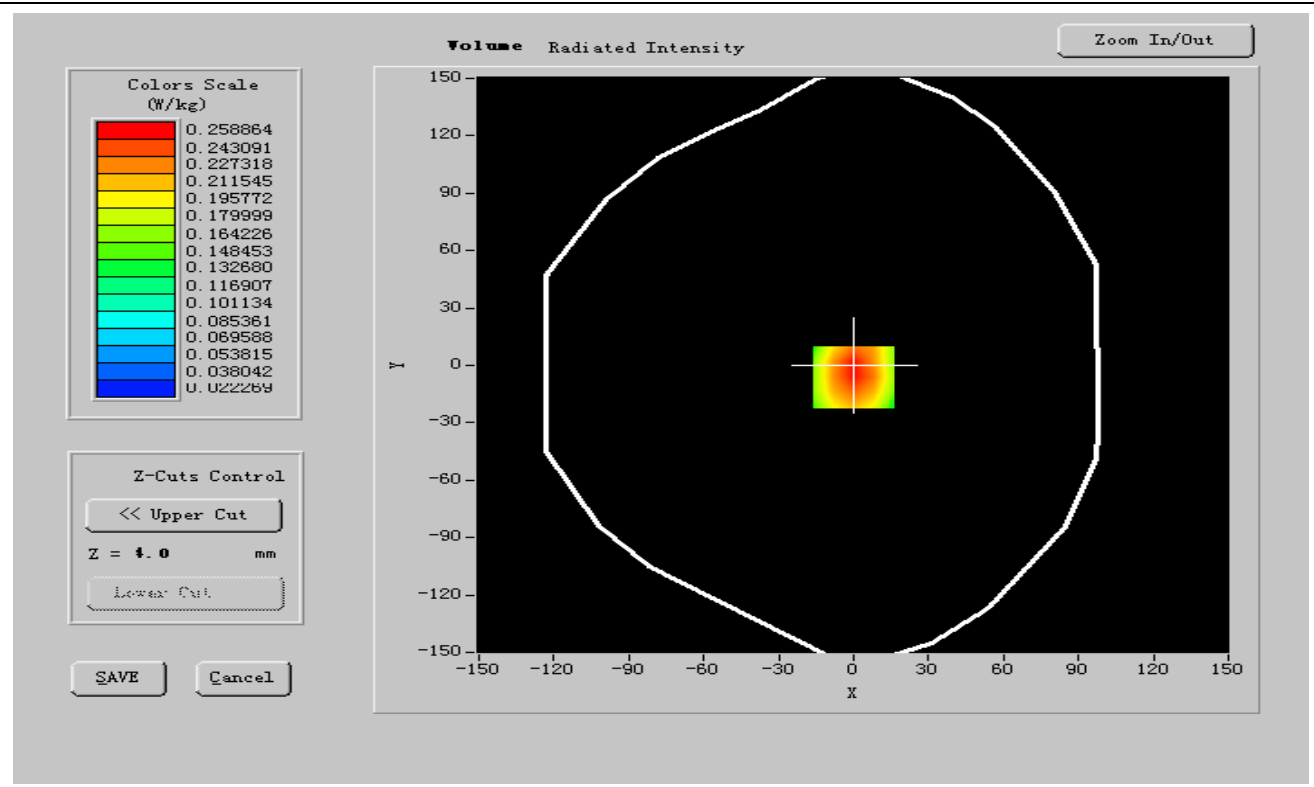
Crest factor:

1:1

SURFACE SAR



VOLUME SAR



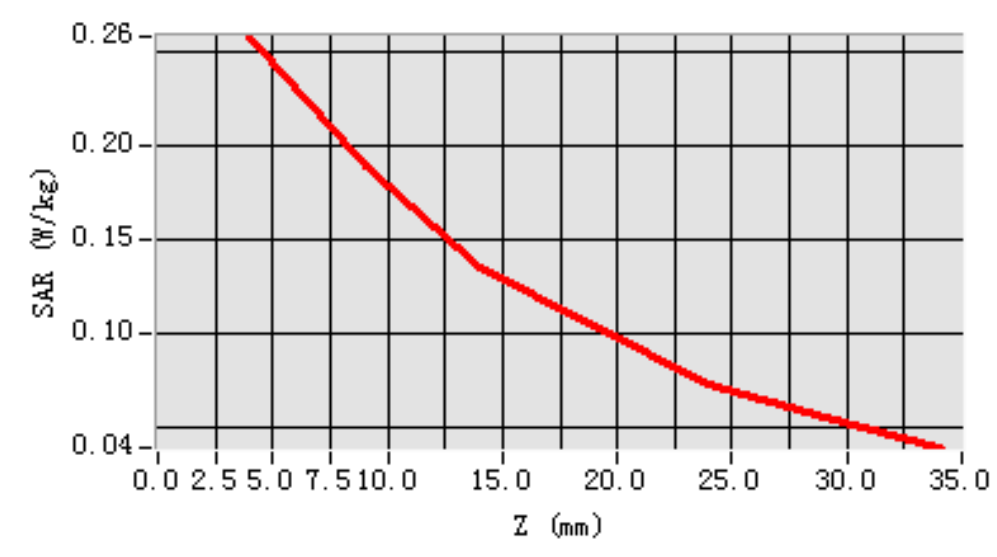


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.041210
SAR 1g (W/Kg)	0.077450

Z Axis Scan

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





MEASUREMENT 17

Date of measurement: 04/15/2011**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	BackSide toward phantom
Band	802.11g
Channels	Middle
Signal	wireless

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 2450	Antennessa (DIPJ37,SN 48/05)	Calibration Due: 10/09/2011
Phantom	Antennessa (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antennessa	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

C. SAR Measurement Results

Frequency (MHz)	2437.000000
Relative permittivity (real part)	51.512500
Relative permittivity (imaginary part)	13.358011
Conductivity (S/m)	1.954720
Variation (%)	-0.600000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C



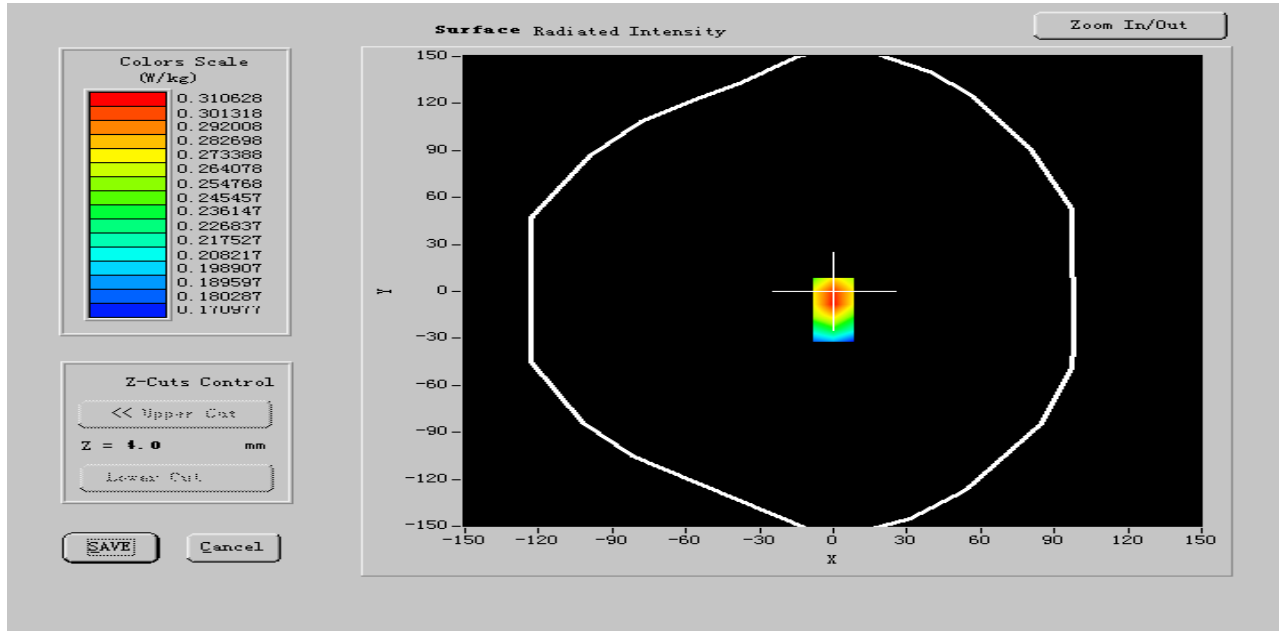
ConvF:

50.35,52.98,69.78

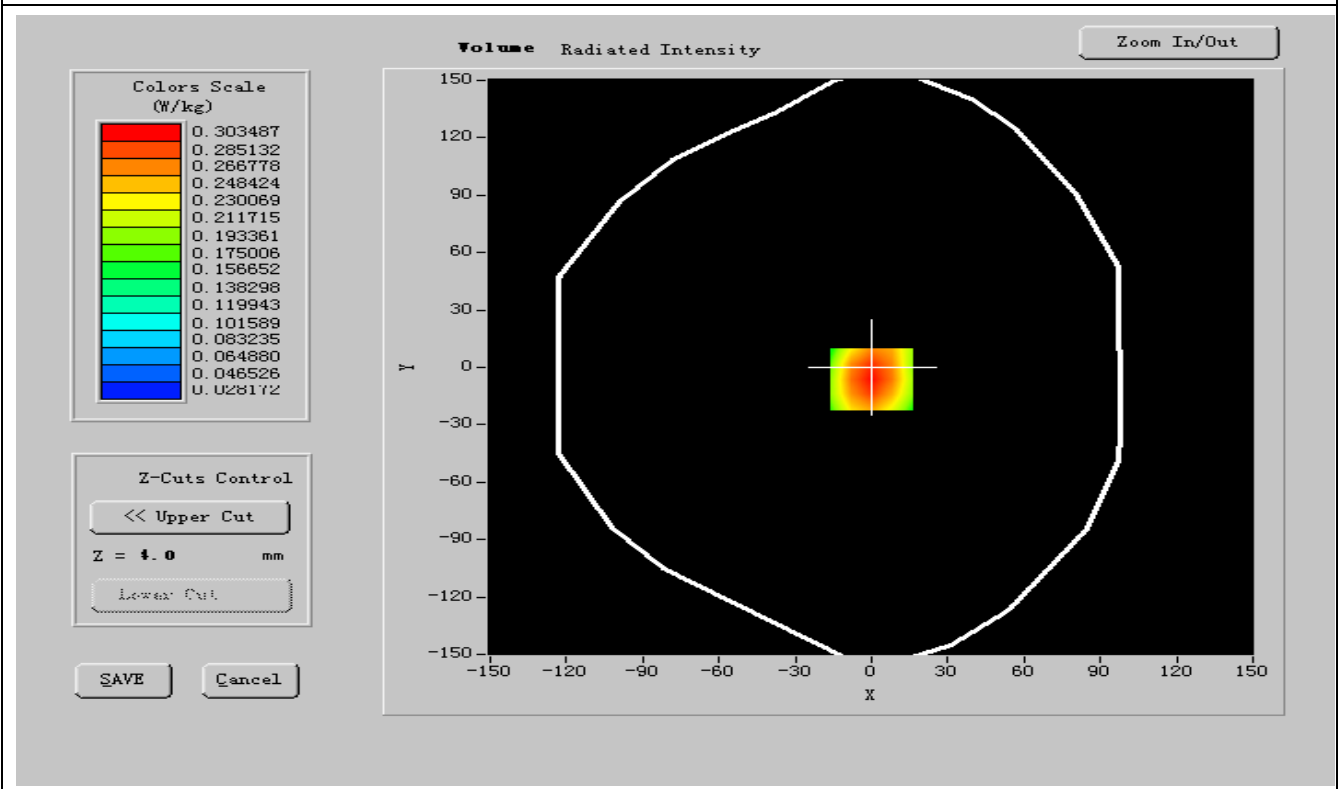
Crest factor:

1:1

SURFACE SAR



VOLUME SAR



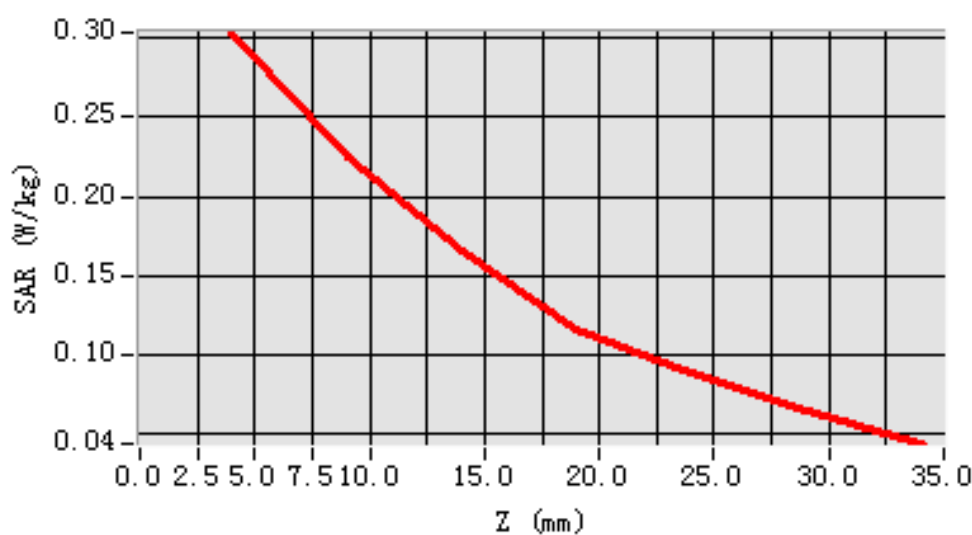


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.074150
SAR 1g (W/Kg)	0.098731

Z Axis Scan

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





MEASUREMENT 18

Date of measurement: 04/15/2011**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	BackSide toward phantom
Band	802.11g
Channels	High
Signal	wireless

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 2450	Antennessa (DIPJ37,SN 48/05)	Calibration Due: 10/09/2011
Phantom	Antennessa (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antennessa	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

C. SAR Measurement Results

Frequency (MHz)	2462.000000
Relative permittivity (real part)	51.549840
Relative permittivity (imaginary part)	13.389326
Conductivity (S/m)	1.958413
Variation (%)	-0.400000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C



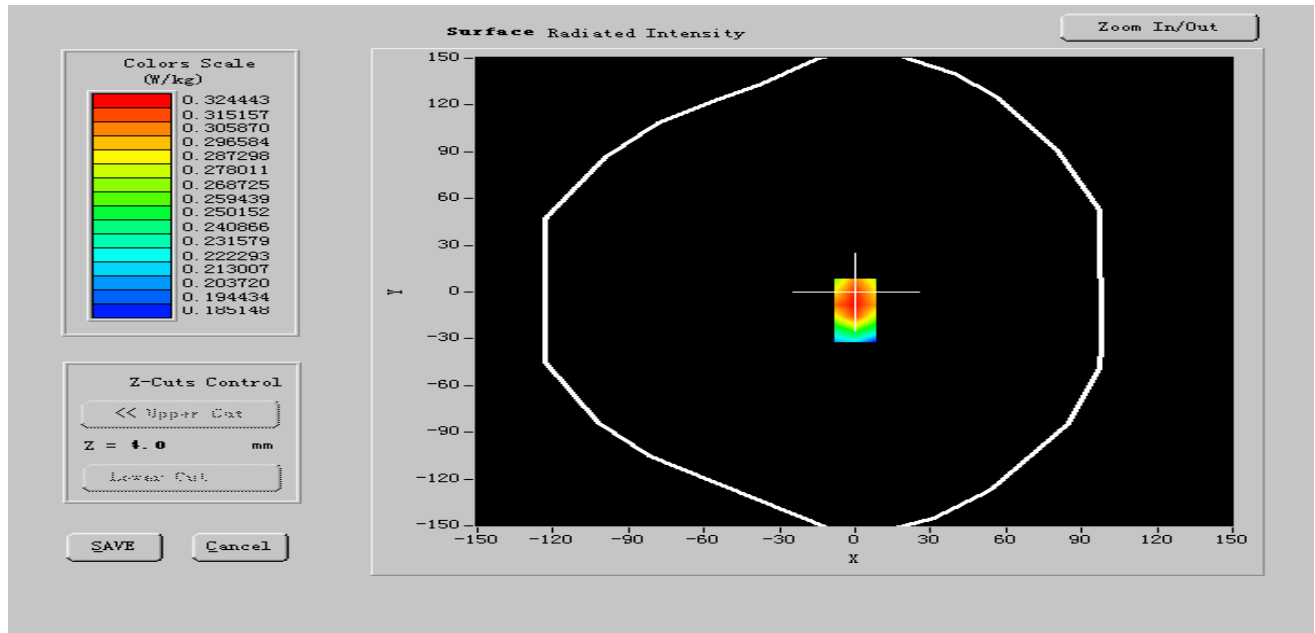
ConvF:

50.35,52.98,69.78

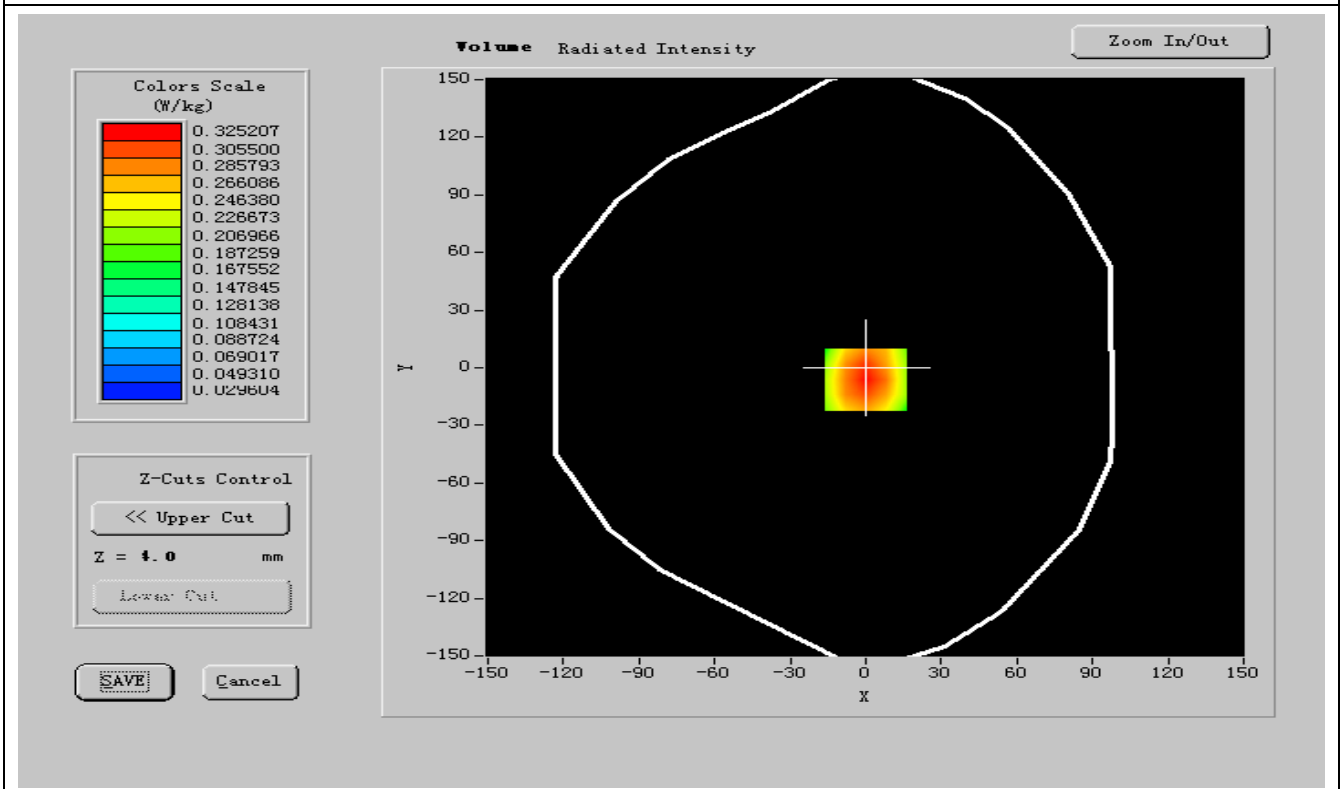
Crest factor:

1:1

SURFACE SAR



VOLUME SAR





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

SAR 10g (W/Kg)	0.047125
SAR 1g (W/Kg)	0.065415

Z Axis Scan

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

