



. 1900MHz Band RESULTS

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



MEASUREMENT 1

Date of measurement: 04/14/2011

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

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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	Antenna (SN:SN_1109_EP_100)	Calibration Due: 05/04/2011
DIPOLE 1900	Antenna (DIPI36, SN 48/05)	Calibration Due: 02/09/2012
Phantom	Antenna (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antenna	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

C. SAR Measurement Results

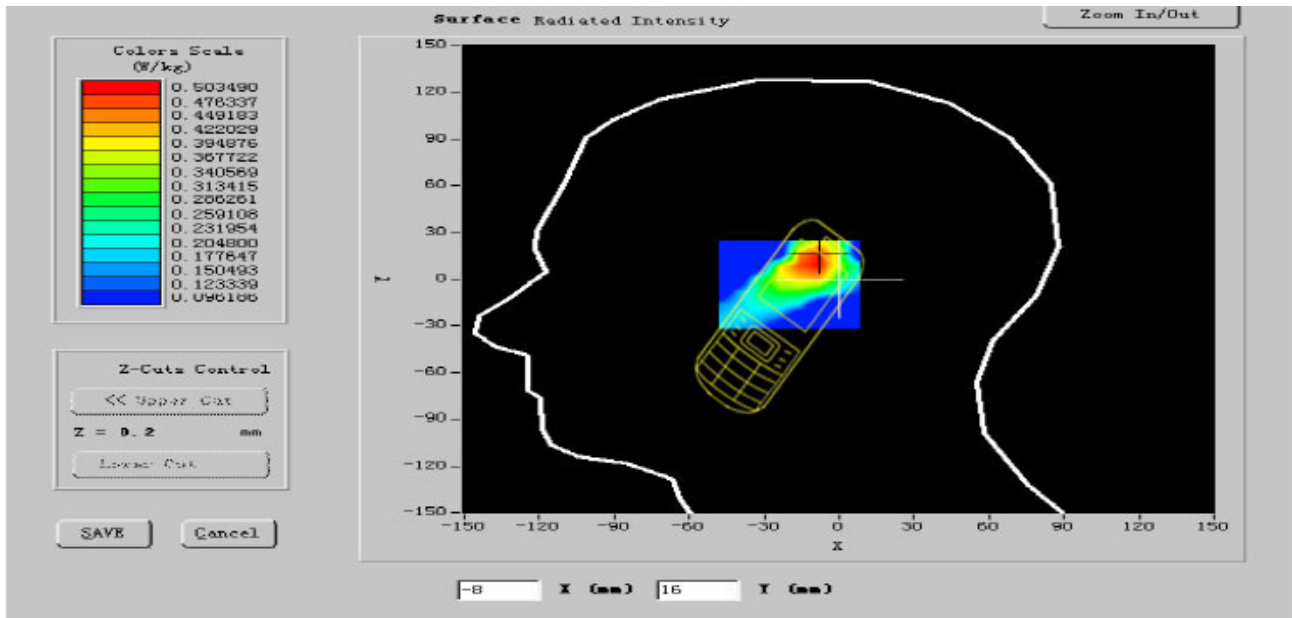
Frequency (MHz)	1850.400024
Relative permittivity (real part)	40.213000
Relative permittivity (imaginary part)	13.584900
Conductivity (S/m)	1.410528
Variation (%)	-1.220000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	41.91, 43.15, 56.44



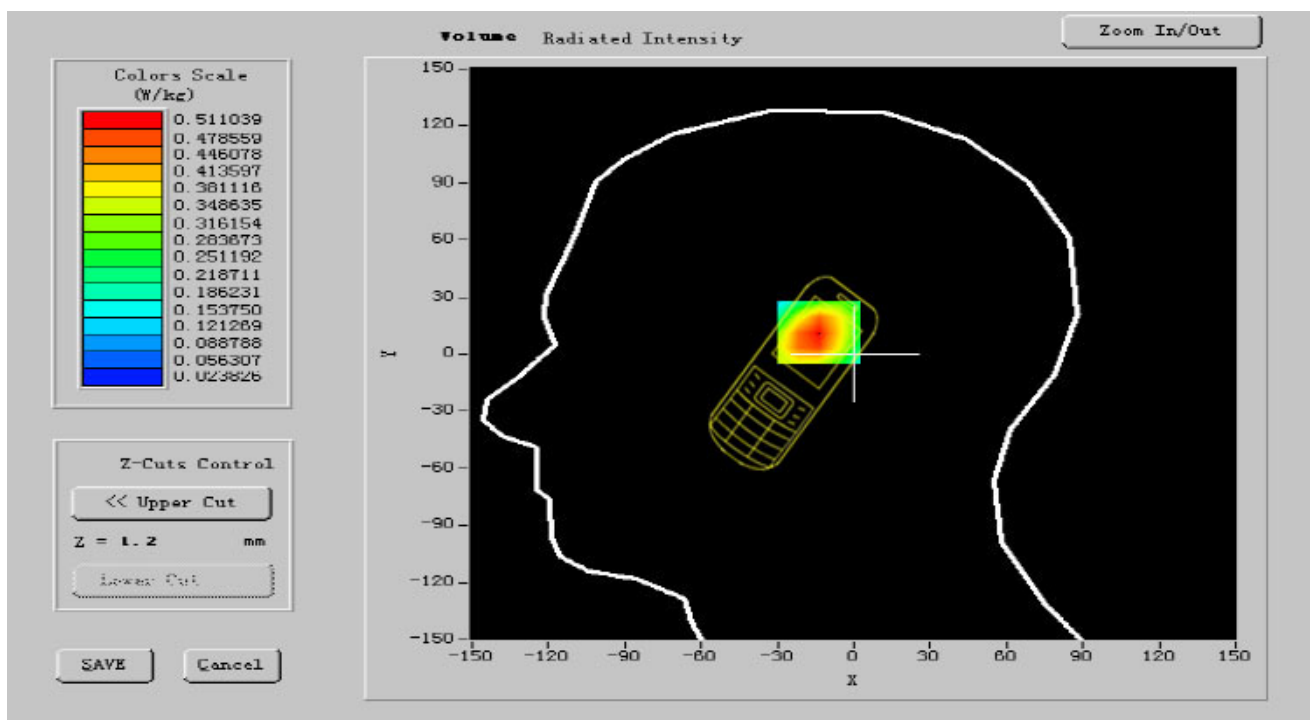
Crest factor:

1:8

SURFACE SAR



VOLUME SAR



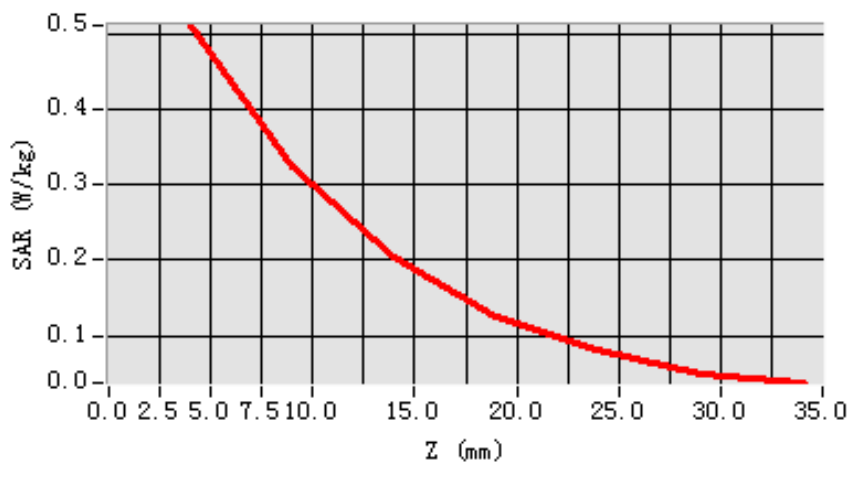


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.278521
SAR 1g (W/Kg)	0.468710

Z Axis Scan

SAR, Z Axis Scan (X = -10, Y = 12)





MEASUREMENT 2

Date of measurement: 04/14/2011

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	GSM1900
Channels	Middle
Signal	GSM

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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	Antenna (SN:SN_1109_EP_100)	Calibration Due: 05/04/2011
DIPOLE 1900	Antenna (DIPI36, SN 48/05)	Calibration Due: 02/09/2012
Phantom	Antenna (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antenna	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

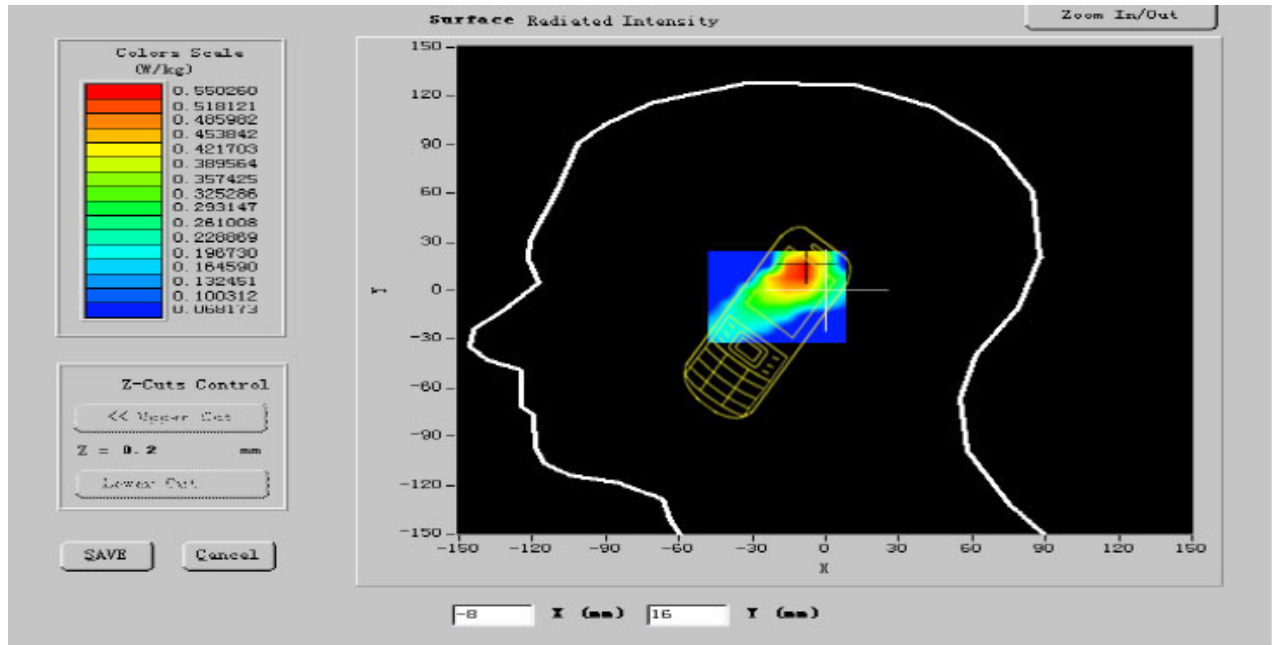
C. SAR Measurement Results

Frequency (MHz)	1880.000000
Relative permittivity (real part)	40.198001
Relative permittivity (imaginary part)	13.813800
Conductivity (S/m)	1.422775
Variation (%)	-0.210000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C

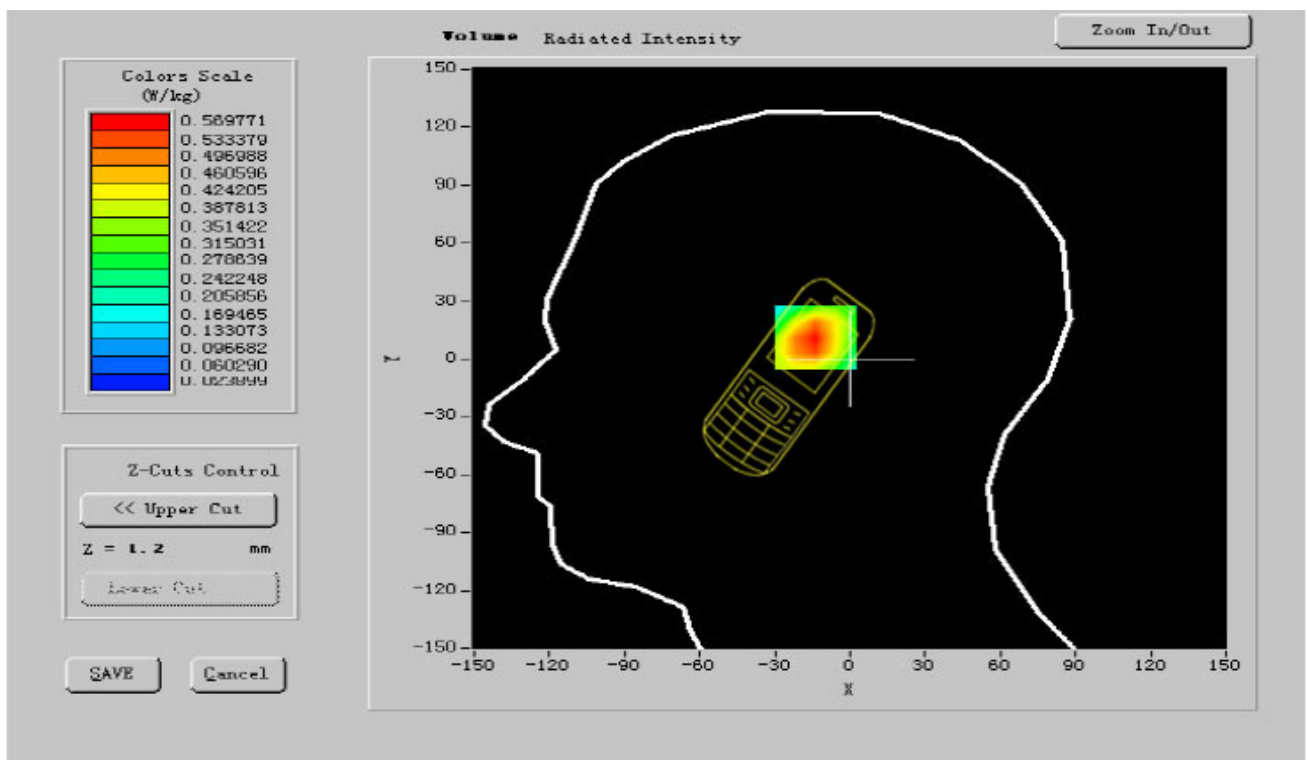


ConvF:	41.91, 43.15, 56.44
Crest factor:	1:8

SURFACE SAR



VOLUME SAR



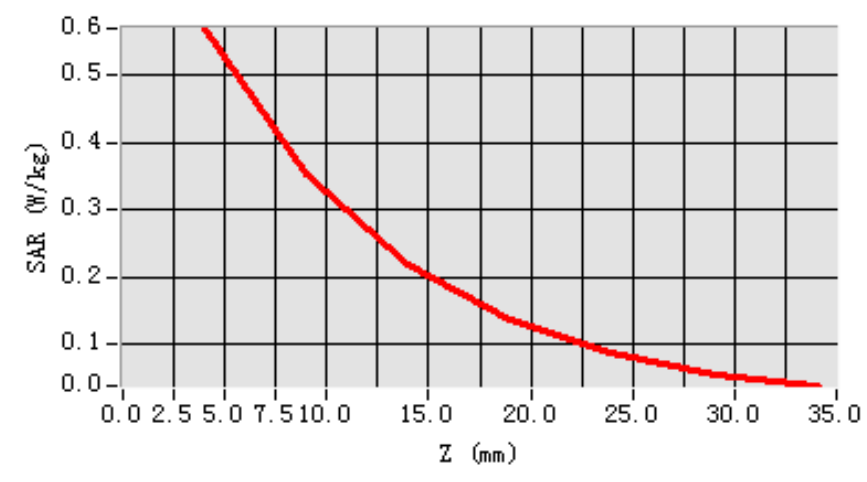


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.309541
SAR 1g (W/Kg)	0.515497

Z Axis Scan

SAR, Z Axis Scan (X = -10, Y = 12)





MEASUREMENT 3

Date of measurement: 04/14/2011

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	GSM1900
Channels	High
Signal	GSM

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 1900	Antennessa (DIPI36, 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

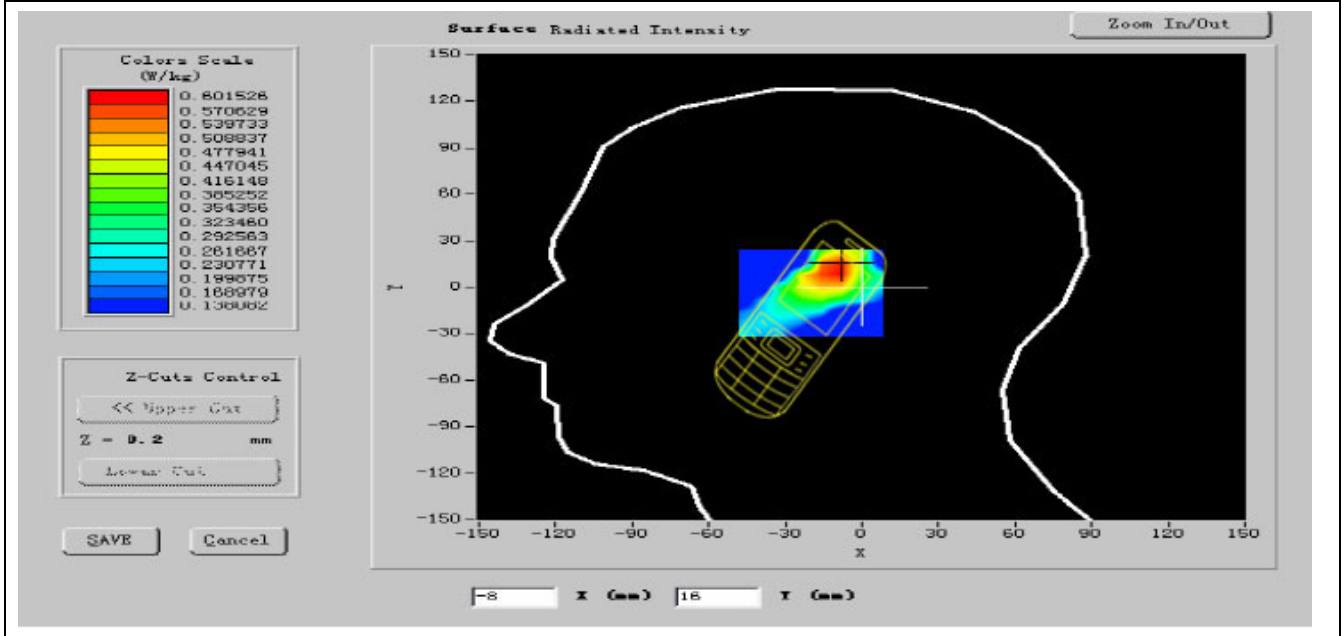
C. SAR Measurement Results

Frequency (MHz)	1909.599976
Relative permittivity (real part)	40.205999
Relative permittivity (imaginary part)	13.669900
Conductivity (S/m)	1.420413
Variation (%)	-0.030000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C

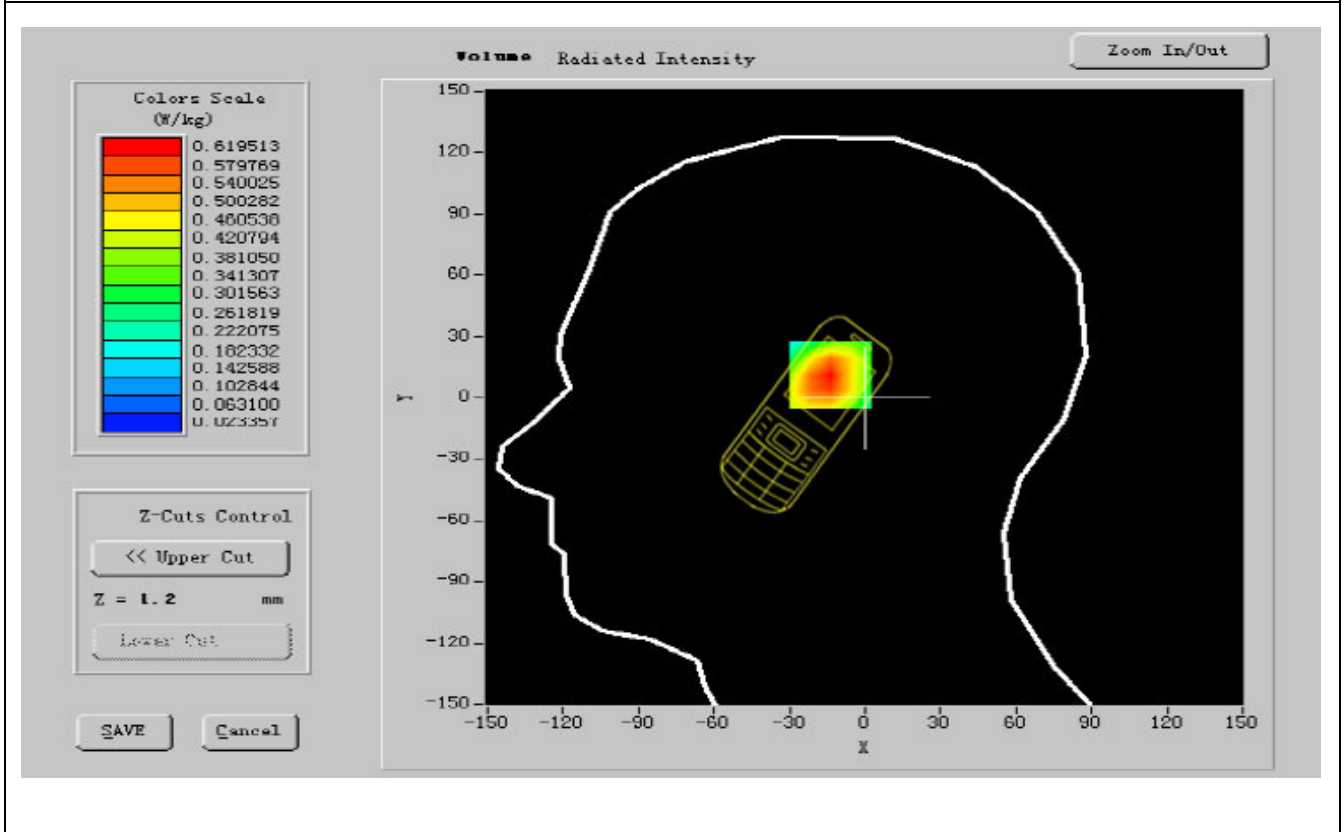


ConvF:	41.91, 43.15, 56.44
Crest factor:	1:8

SURFACE SAR



VOLUME SAR



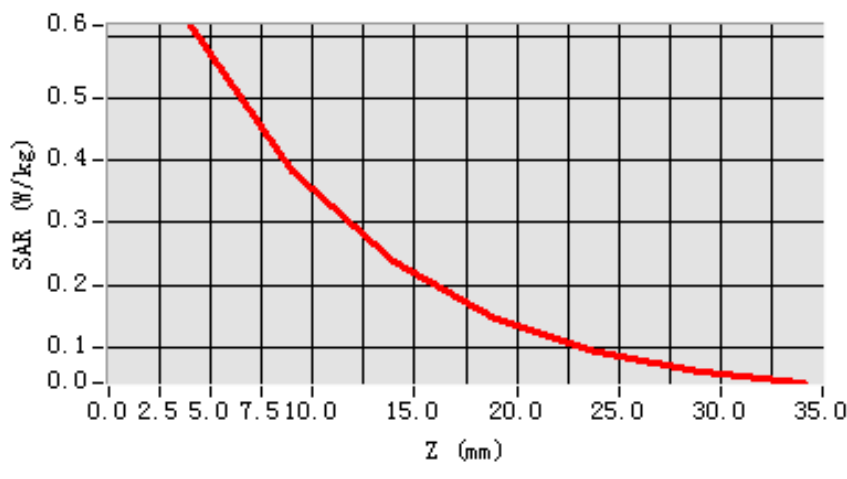


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.348952
SAR 1g (W/Kg)	0.568120

Z Axis Scan

SAR, Z Axis Scan (X = -10, Y = 12)





MEASUREMENT 4

Date of measurement: 04/14/2011

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	GSM1900
Channels	Low
Signal	GSM

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 1900	Antennessa (DIPI36, 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

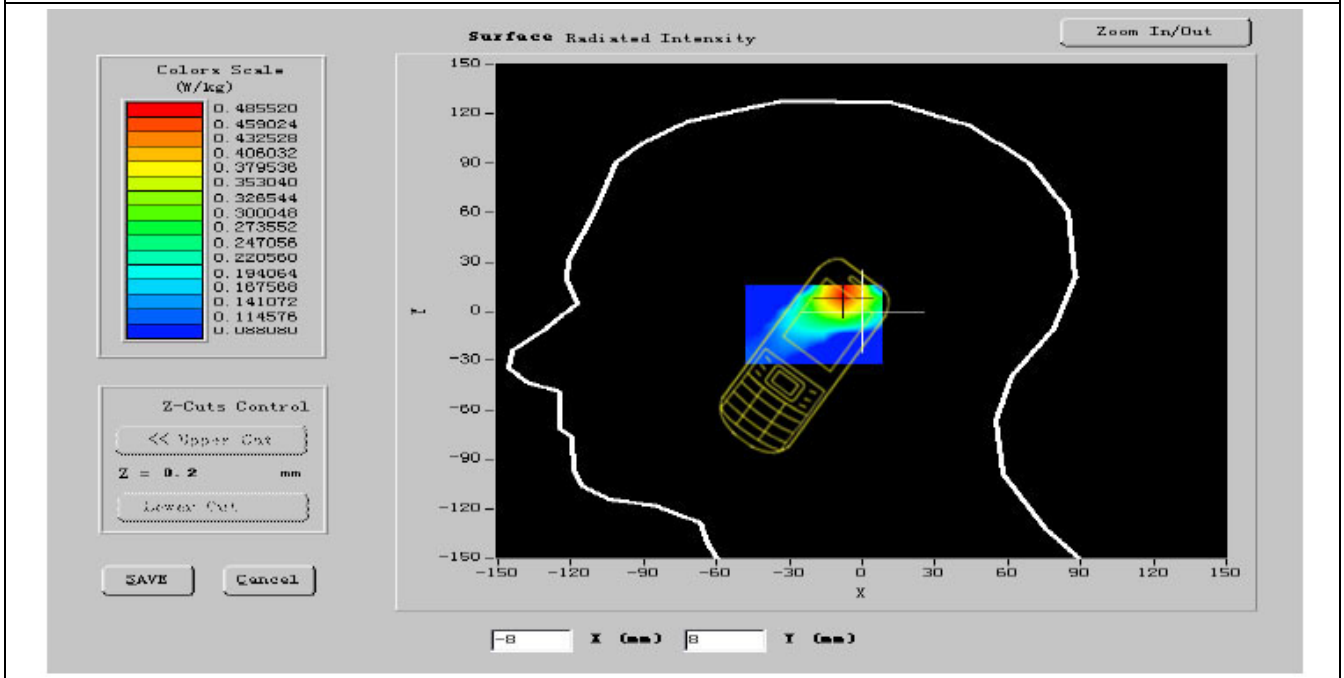
C. SAR Measurement Results

Frequency (MHz)	1850.400024
Relative permittivity (real part)	40.213000
Relative permittivity (imaginary part)	13.584900
Conductivity (S/m)	1.426657
Variation (%)	-1.400000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C

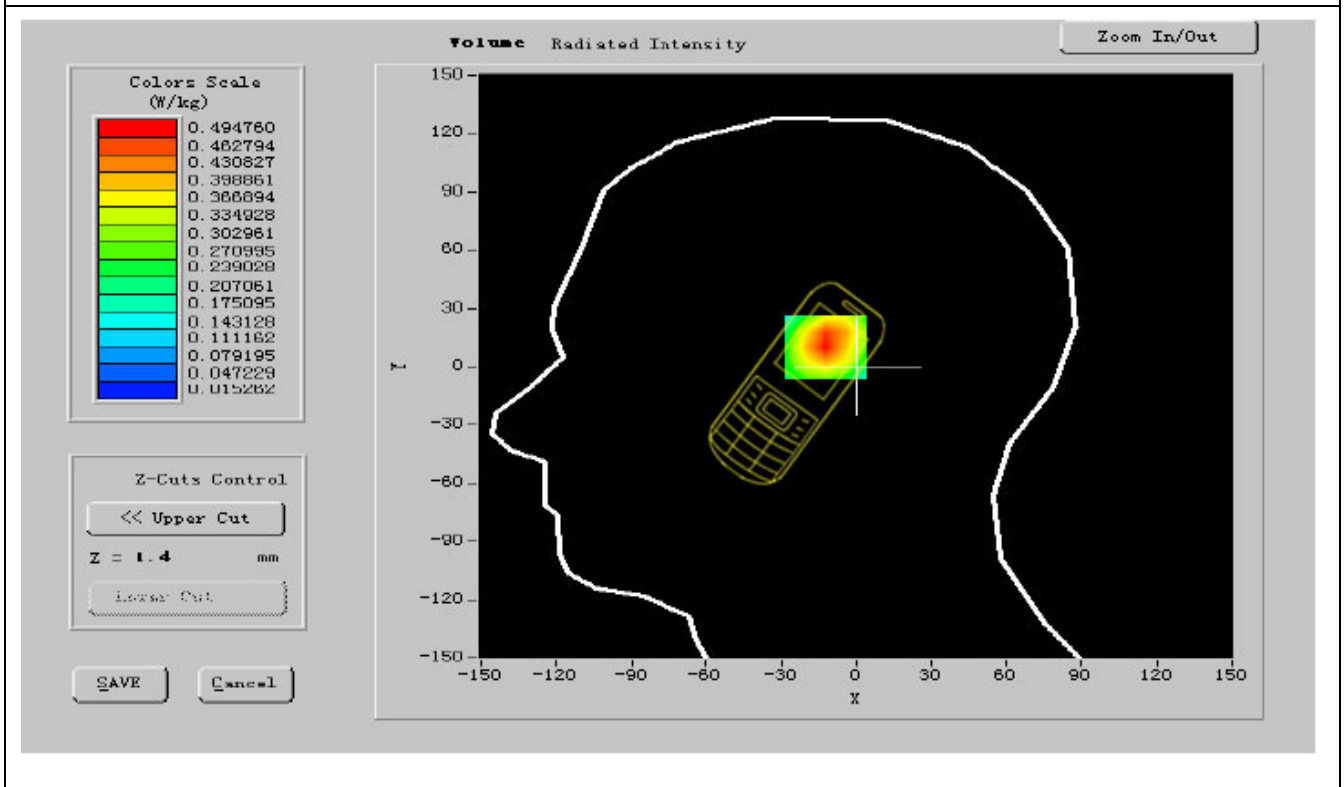


ConvF:	41.91, 43.15, 56.44
Crest factor:	1:8

SURFACE SAR



VOLUME SAR



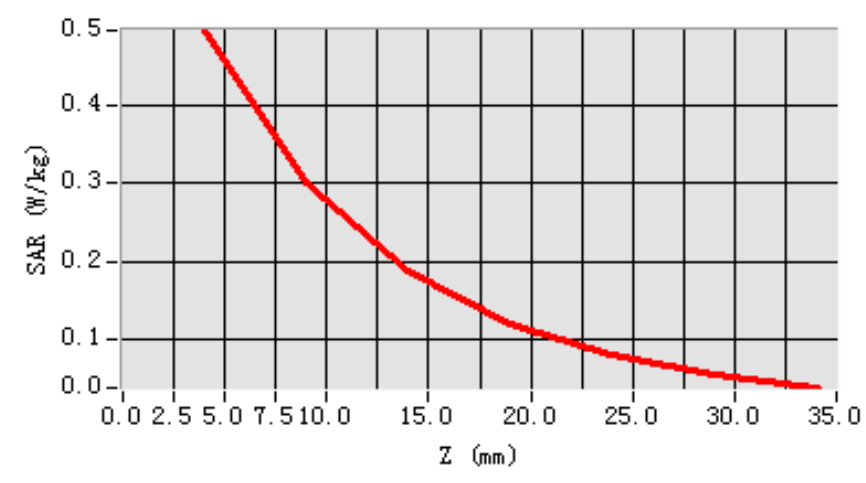


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.259871
SAR 1g (W/Kg)	0.456381

Z Axis Scan

SAR, Z Axis Scan (X = -8, Y = 10)





MEASUREMENT 5

Date of measurement: 04/14/2011

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	GSM1900
Channels	Middle
Signal	GSM

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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	Antenna (SN:SN_1109_EP_100)	Calibration Due: 05/04/2011
DIPOLE 1900	Antenna (DIPI36, SN 48/05)	Calibration Due: 02/09/2012
Phantom	Antenna (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antenna	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

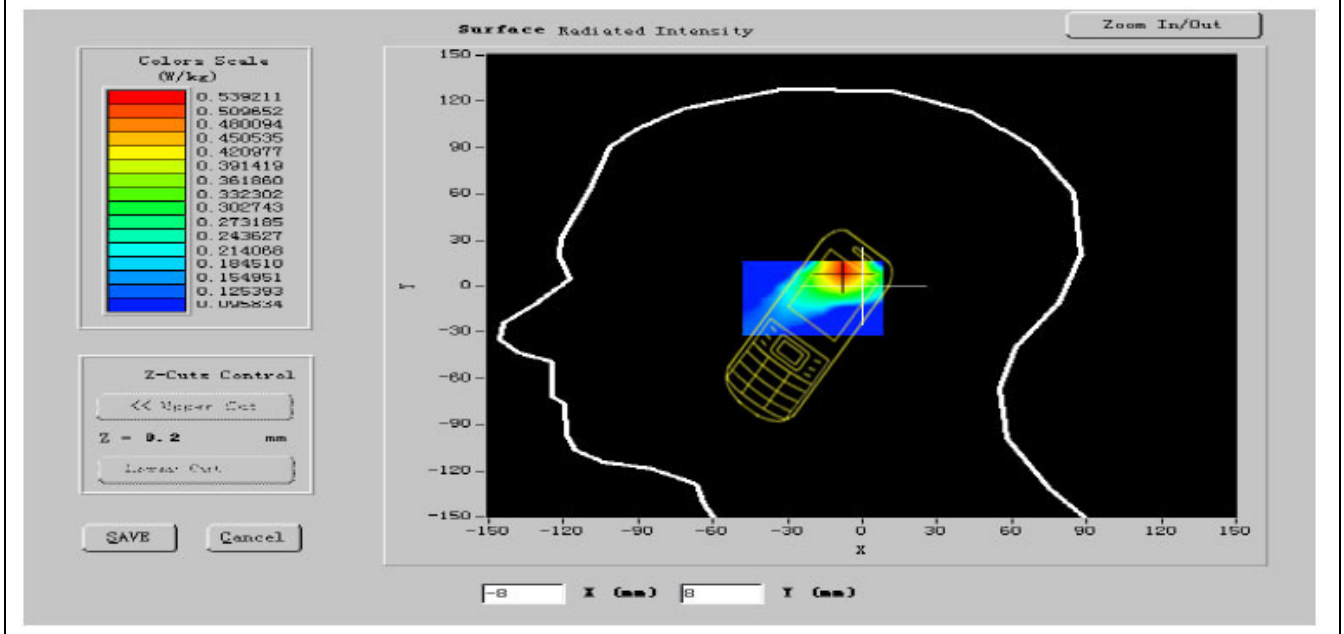
C. SAR Measurement Results

Frequency (MHz)	1880.000000
Relative permittivity (real part)	40.193001
Relative permittivity (imaginary part)	13.813800
Conductivity (S/m)	1.422173
Variation (%)	-0.420000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C

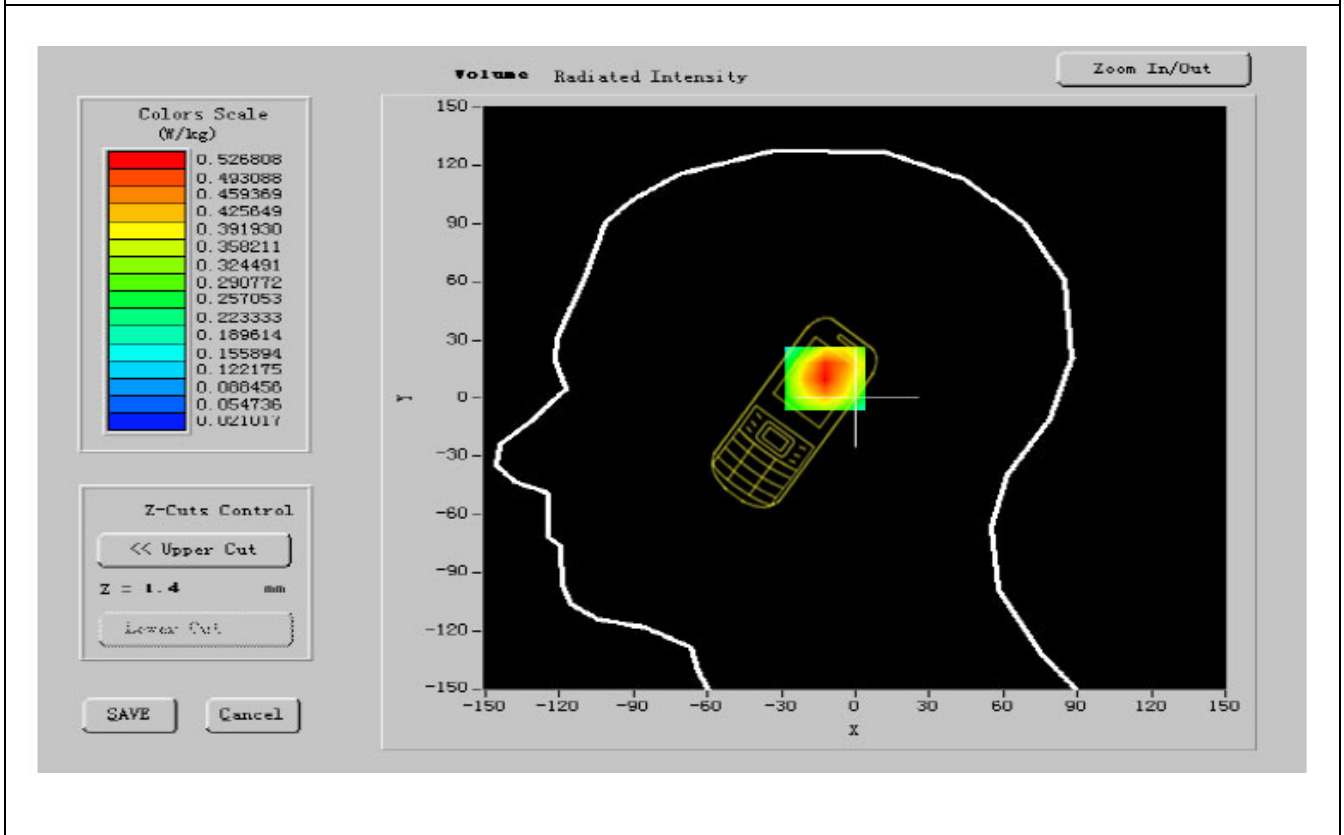


ConvF:	41.91, 43.15, 56.44
Crest factor:	1:8

SURFACE SAR



VOLUME SAR



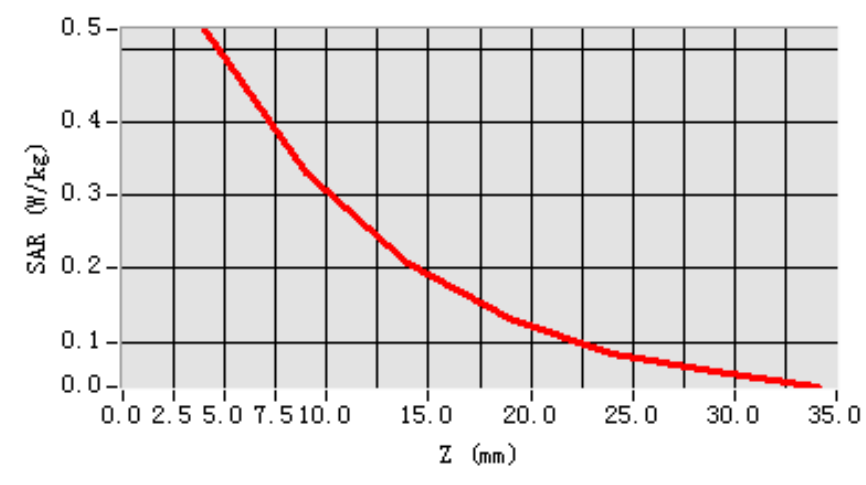


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.289652
SAR 1g (W/Kg)	0.475124

Z Axis Scan

SAR, Z Axis Scan (X = -8, Y = 10)





MEASUREMENT 6

Date of measurement: 04/14/2011

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	GSM1900
Channels	High
Signal	GSM

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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	Antenna (SN:SN_1109_EP_100)	Calibration Due: 05/04/2011
DIPOLE 1900	Antenna (DIPI36, SN 48/05)	Calibration Due: 02/09/2012
Phantom	Antenna (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antenna	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

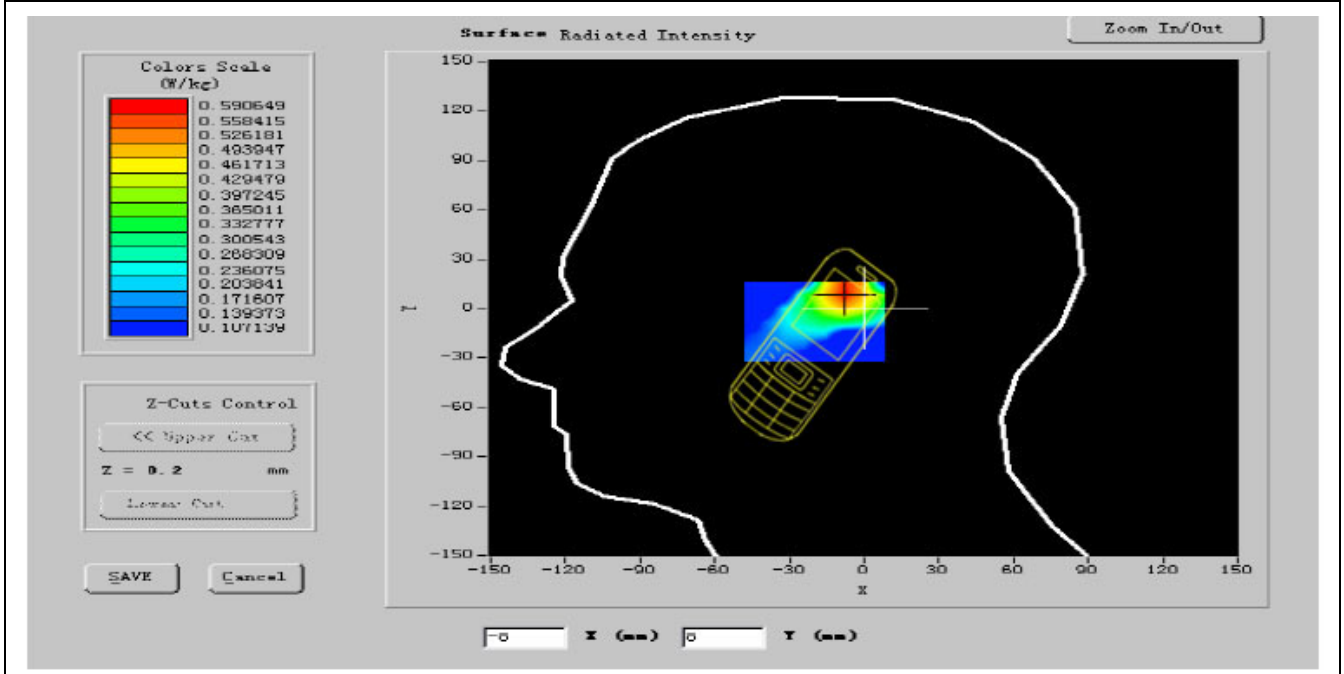
C. SAR Measurement Results

Frequency (MHz)	1909.599976
Relative permittivity (real part)	40.205999
Relative permittivity (imaginary part)	13.669900
Conductivity (S/m)	1.400224
Variation (%)	-1.500000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C

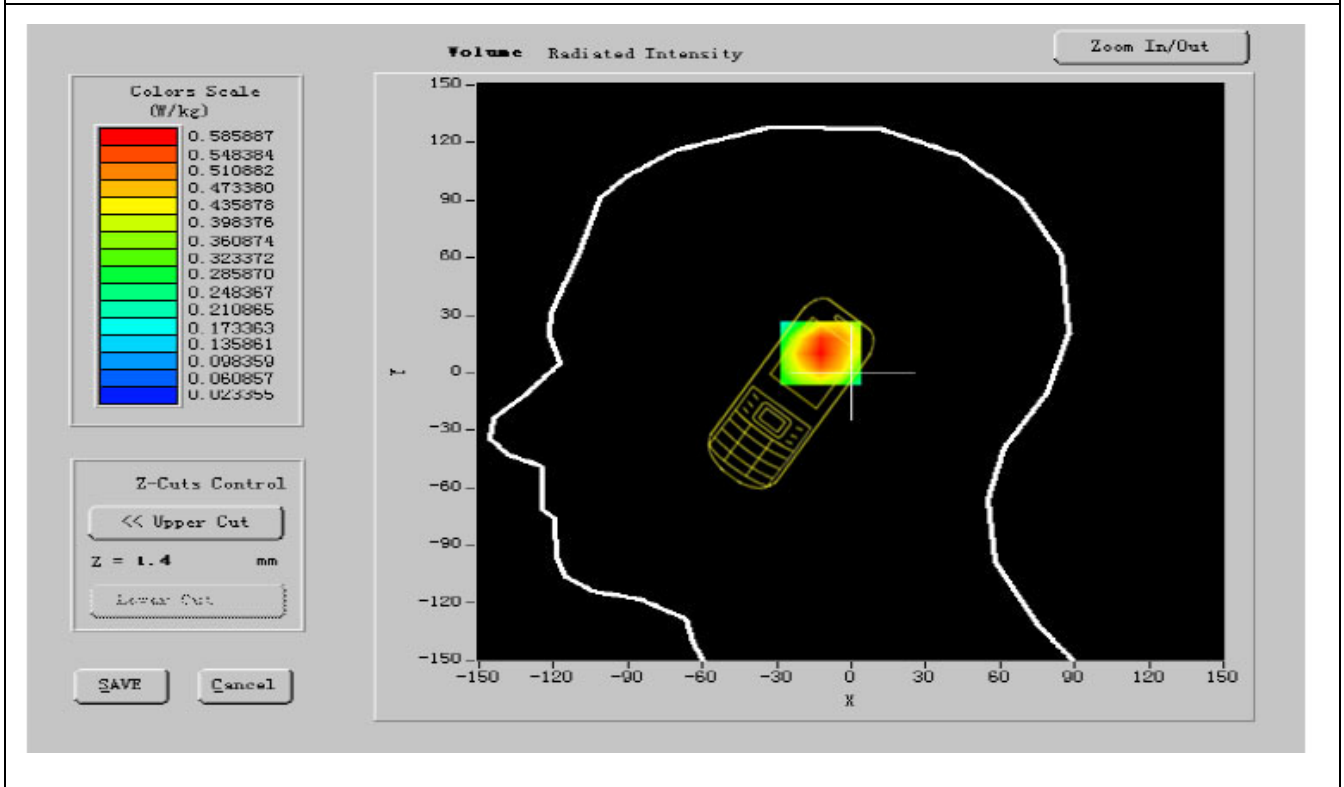


ConvF:	41.91, 43.15, 56.44
Crest factor:	1:8

SURFACE SAR



VOLUME SAR



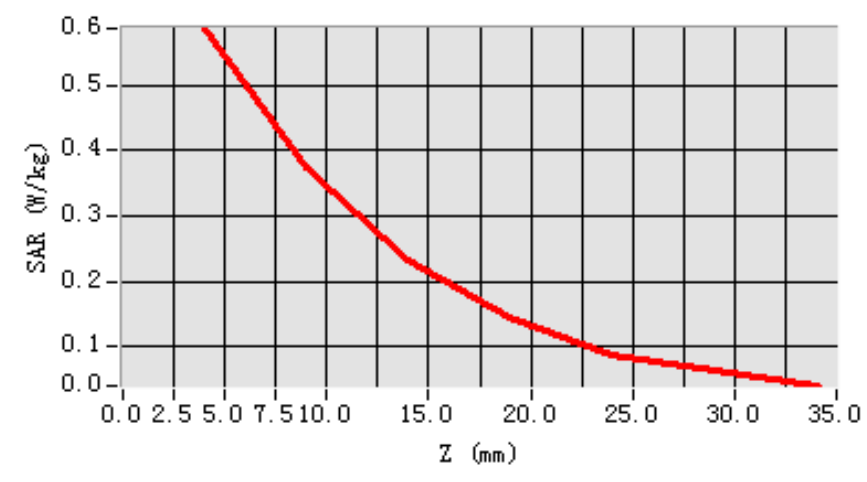


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.316982
SAR 1g (W/Kg)	0.535985

Z Axis Scan

SAR, Z Axis Scan (X = -8, Y = 10)





MEASUREMENT 7

Date of measurement: 04/14/2011

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	GSM1900
Channels	Low
Signal	GSM

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 1900	Antennessa (DIPI36, 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

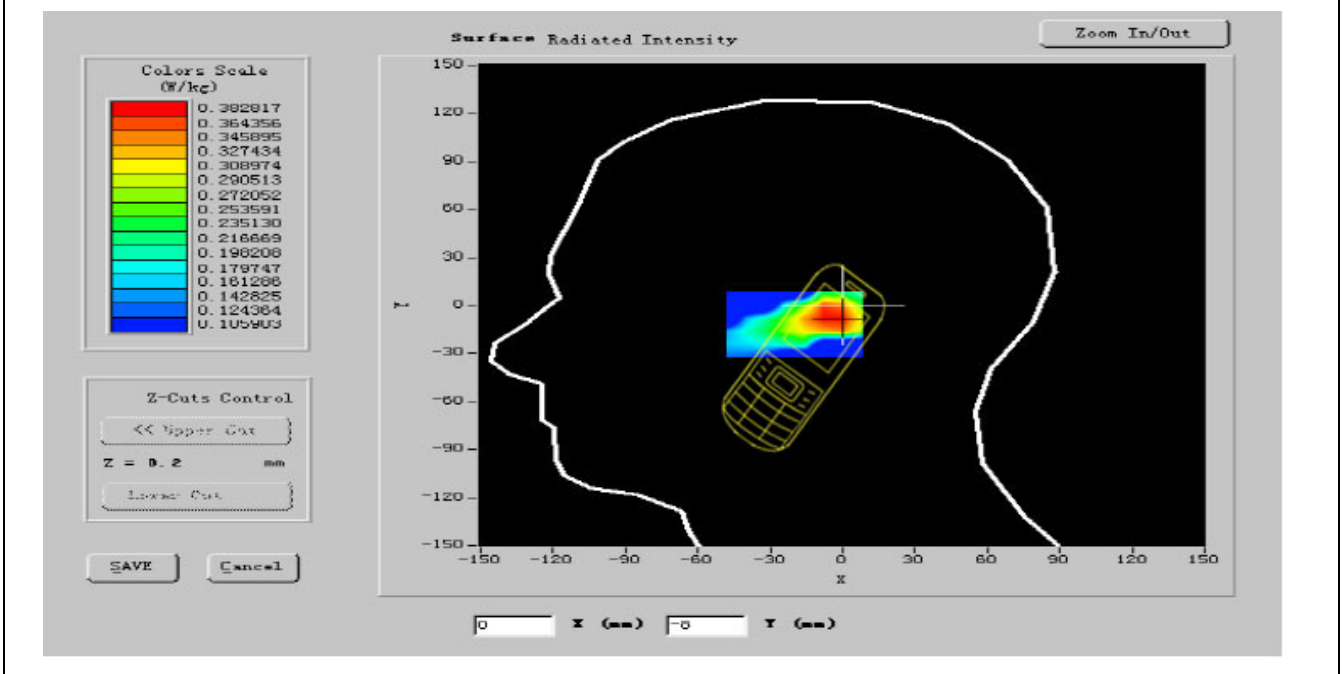
C. SAR Measurement Results

Frequency (MHz)	1850.400024
Relative permittivity (real part)	40.313000
Relative permittivity (imaginary part)	13.584900
Conductivity (S/m)	1.416528
Variation (%)	0.400000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C

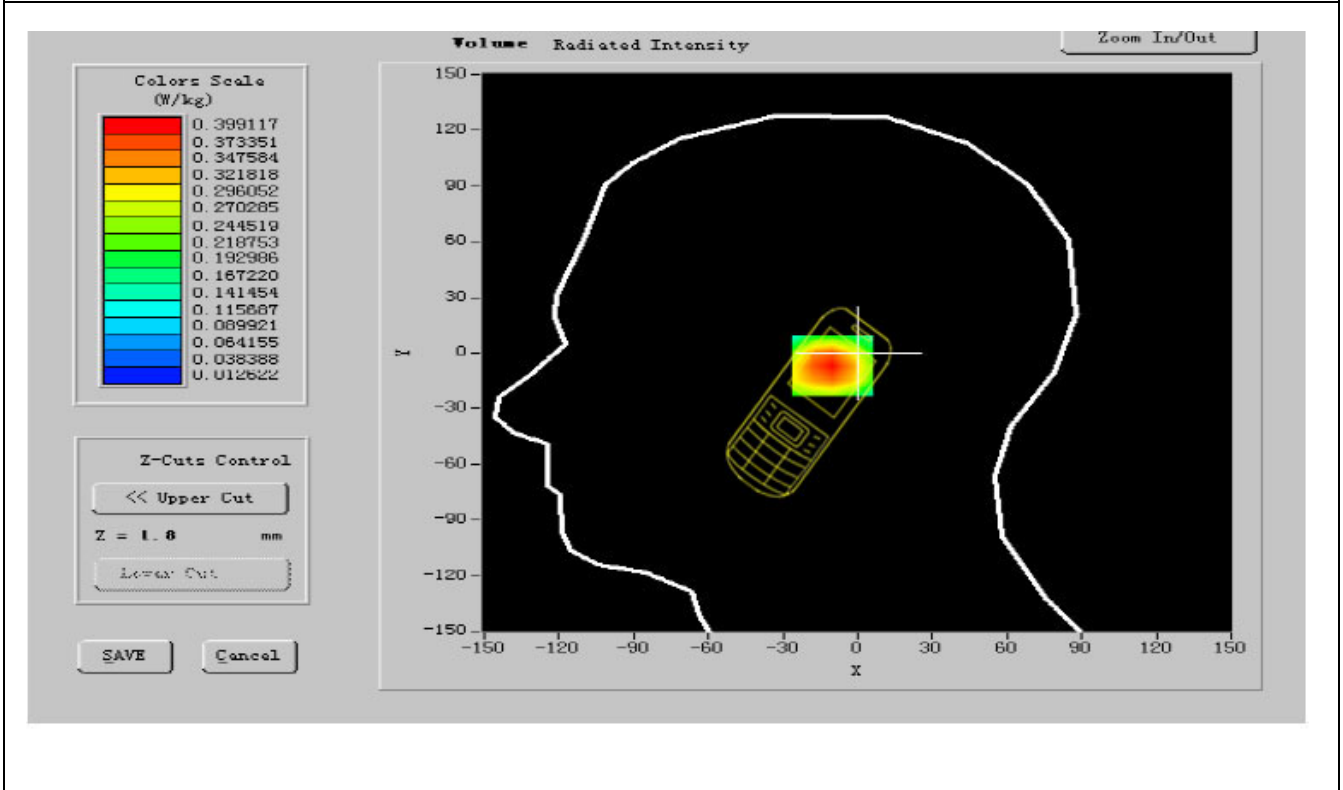


ConvF:	41.91, 43.15, 56.44
Crest factor:	1:8

SURFACE SAR



VOLUME SAR



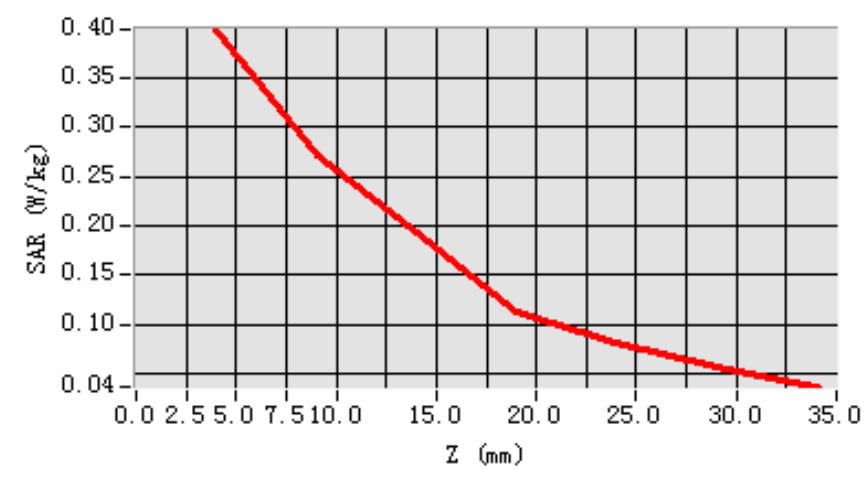


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.229650
SAR 1g (W/Kg)	0.358742

Z Axis Scan

SAR, Z Axis Scan (X = -3, Y = -7)





MEASUREMENT 8

Date of measurement: 04/14/2011

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	GSM1900
Channels	Middle
Signal	GSM

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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	Antenna (SN:SN_1109_EP_100)	Calibration Due: 05/04/2011
DIPOLE 1900	Antenna (DIPI36, SN 48/05)	Calibration Due: 02/09/2012
Phantom	Antenna (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antenna	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

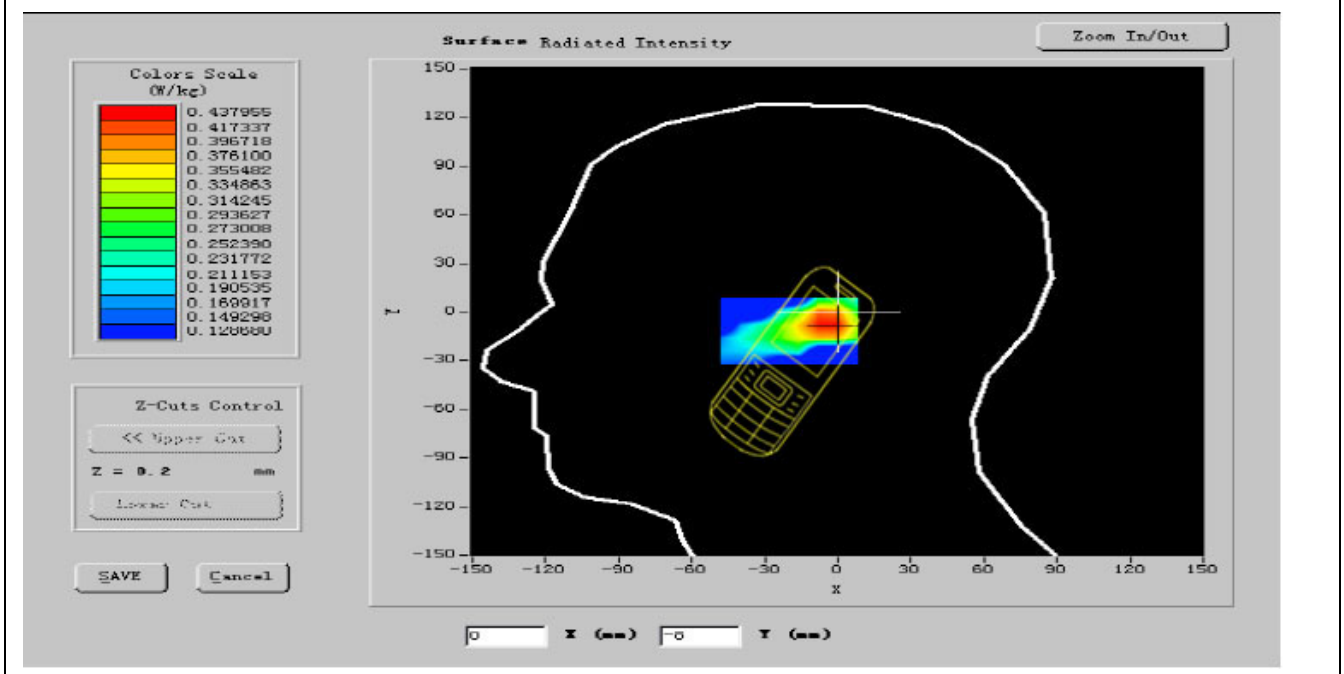
C. SAR Measurement Results

Frequency (MHz)	1880.000000
Relative permittivity (real part)	40.193001
Relative permittivity (imaginary part)	13.813800
Conductivity (S/m)	1.412324
Variation (%)	1.300000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C

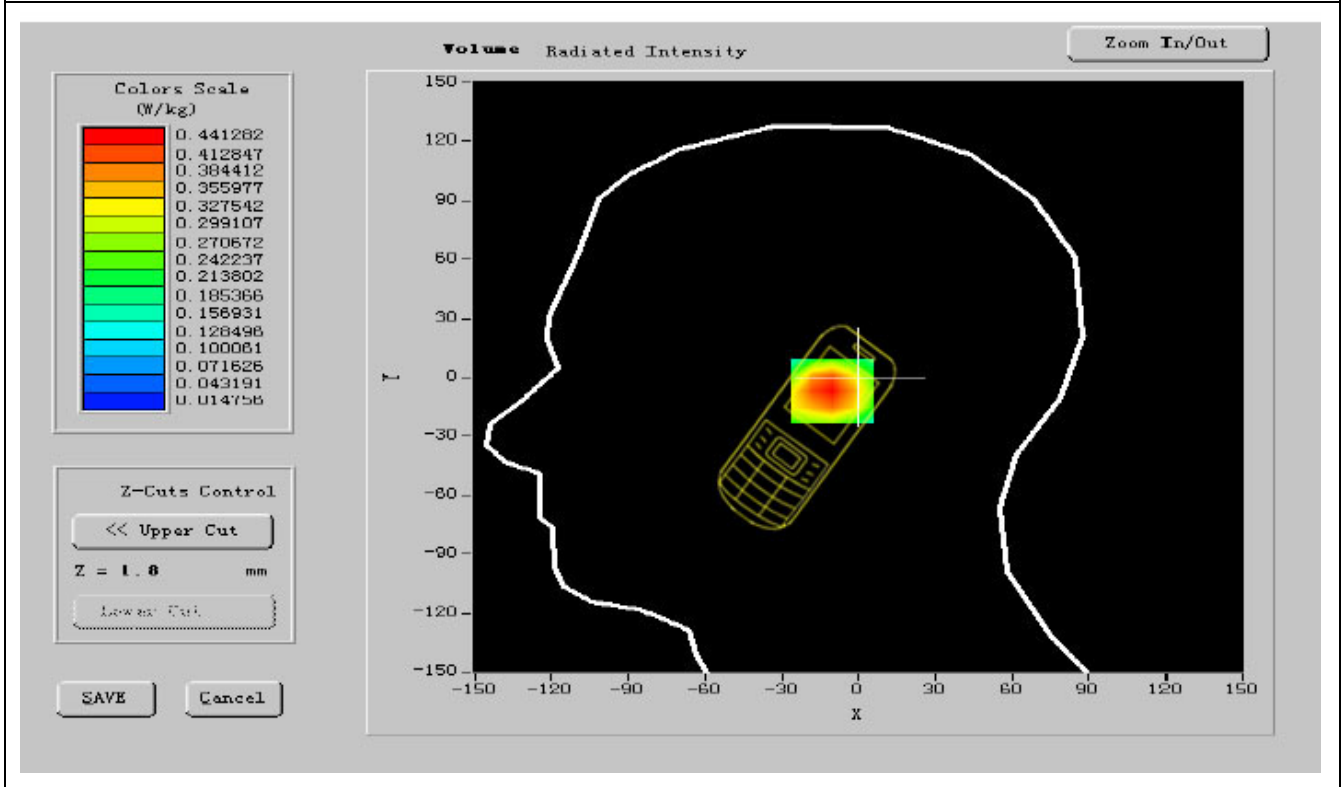


ConvF:	41.91, 43.15, 56.44
Crest factor:	1:8

SURFACE SAR



VOLUME SAR



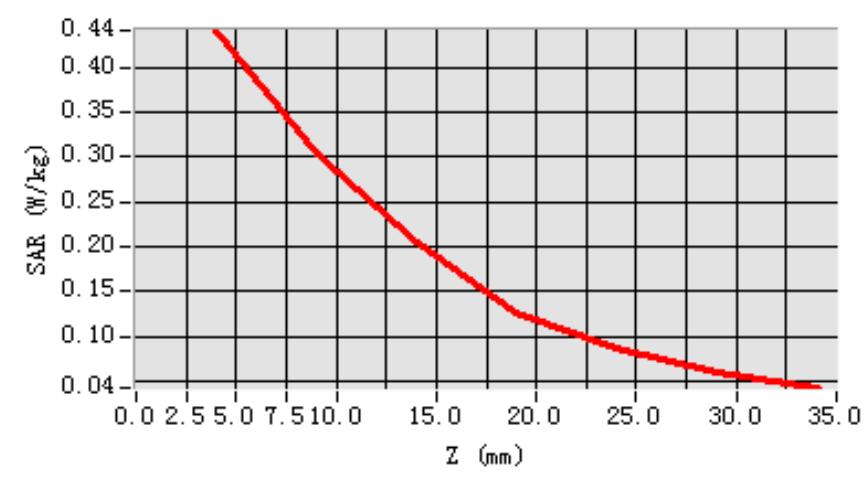


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.262184
SAR 1g (W/Kg)	0.416541

Z Axis Scan

SAR, Z Axis Scan (X = -3, Y = -7)





MEASUREMENT 9

Date of measurement: 04/14/2011

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	GSM1900
Channels	High
Signal	GSM

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 1900	Antennessa (DIPI36, 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

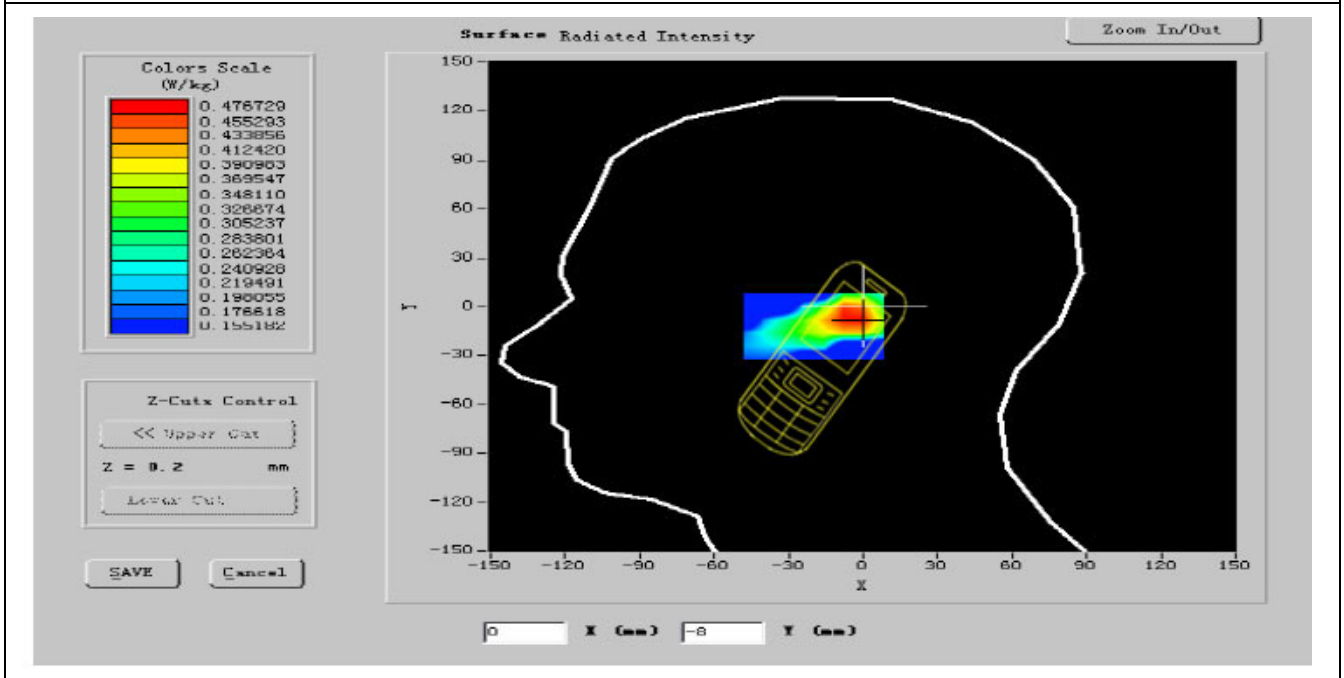
C. SAR Measurement Results

Frequency (MHz)	1909.599976
Relative permittivity (real part)	40.285999
Relative permittivity (imaginary part)	13.669900
Conductivity (S/m)	1.410242
Variation (%)	0.400000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C

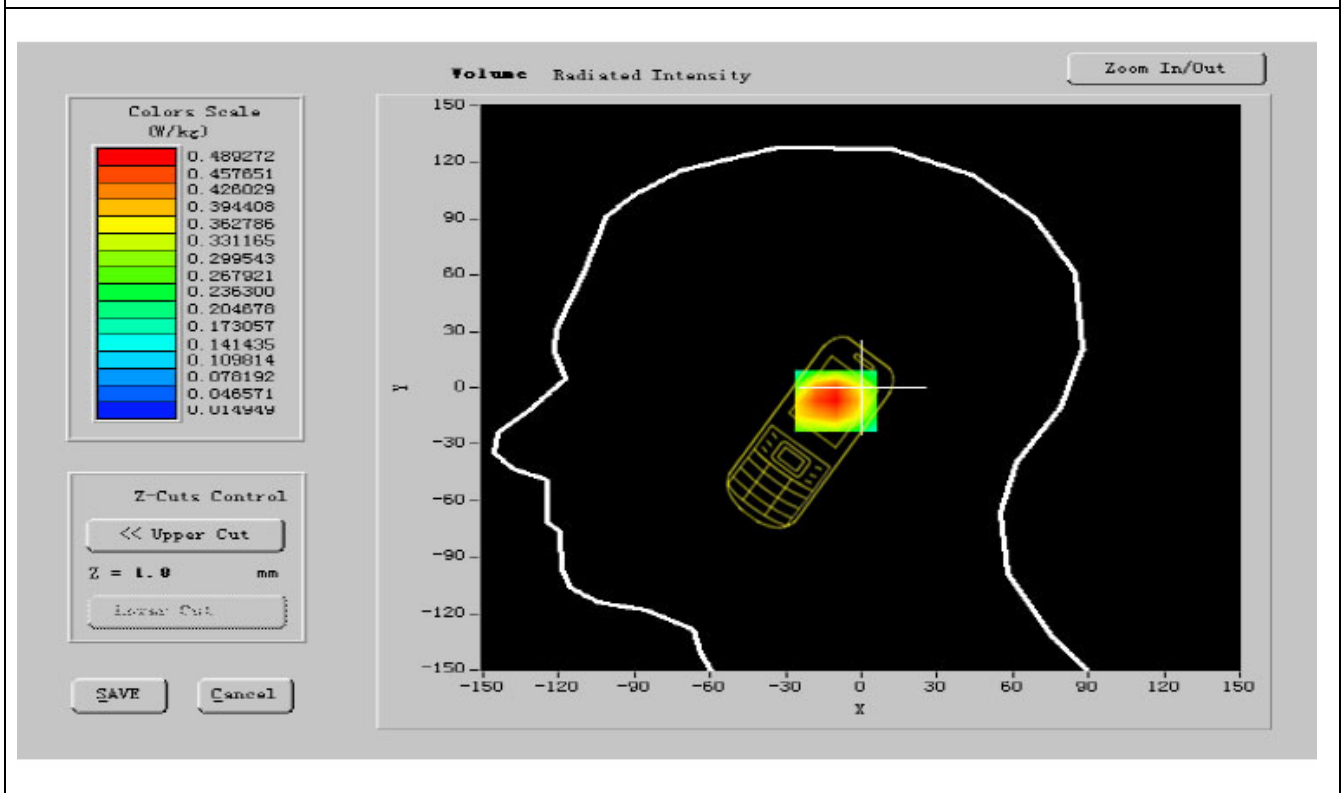


ConvF:	41.91, 43.15, 56.44
Crest factor:	1:8

SURFACE SAR



VOLUME SAR



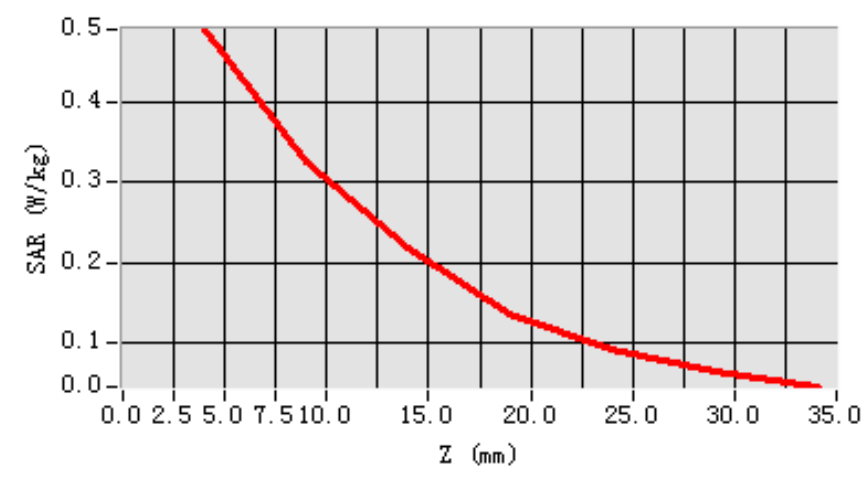


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.291874
SAR 1g (W/Kg)	0.449005

Z Axis Scan

SAR, Z Axis Scan (X = -3, Y = -7)





MEASUREMENT 10

Date of measurement: 04/14/2011

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	GSM1900
Channels	Low
Signal	GSM

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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	Antenna (SN:SN_1109_EP_100)	Calibration Due: 05/04/2011
DIPOLE 1900	Antenna (DIPI36, SN 48/05)	Calibration Due: 02/09/2012
Phantom	Antenna (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antenna	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

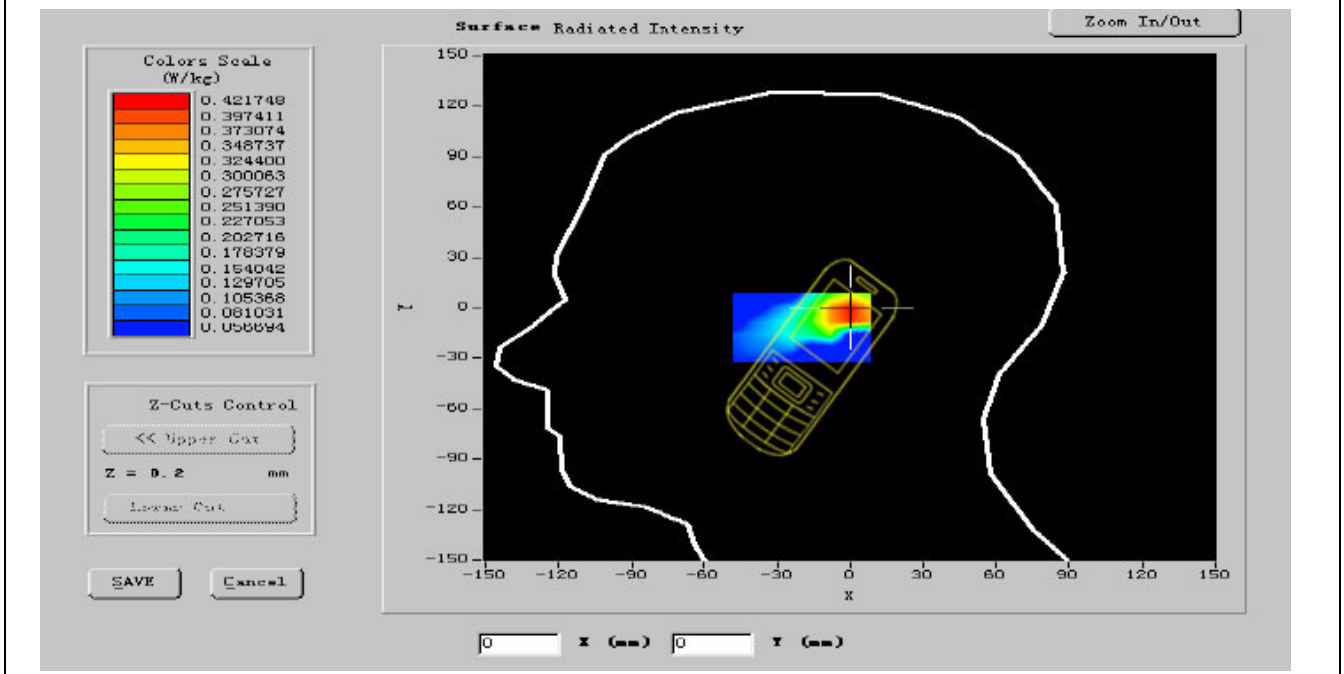
C. SAR Measurement Results

Frequency (MHz)	1850.400024
Relative permittivity (real part)	40.313134
Relative permittivity (imaginary part)	13.584900
Conductivity (S/m)	1.416243
Variation (%)	-0.700000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C

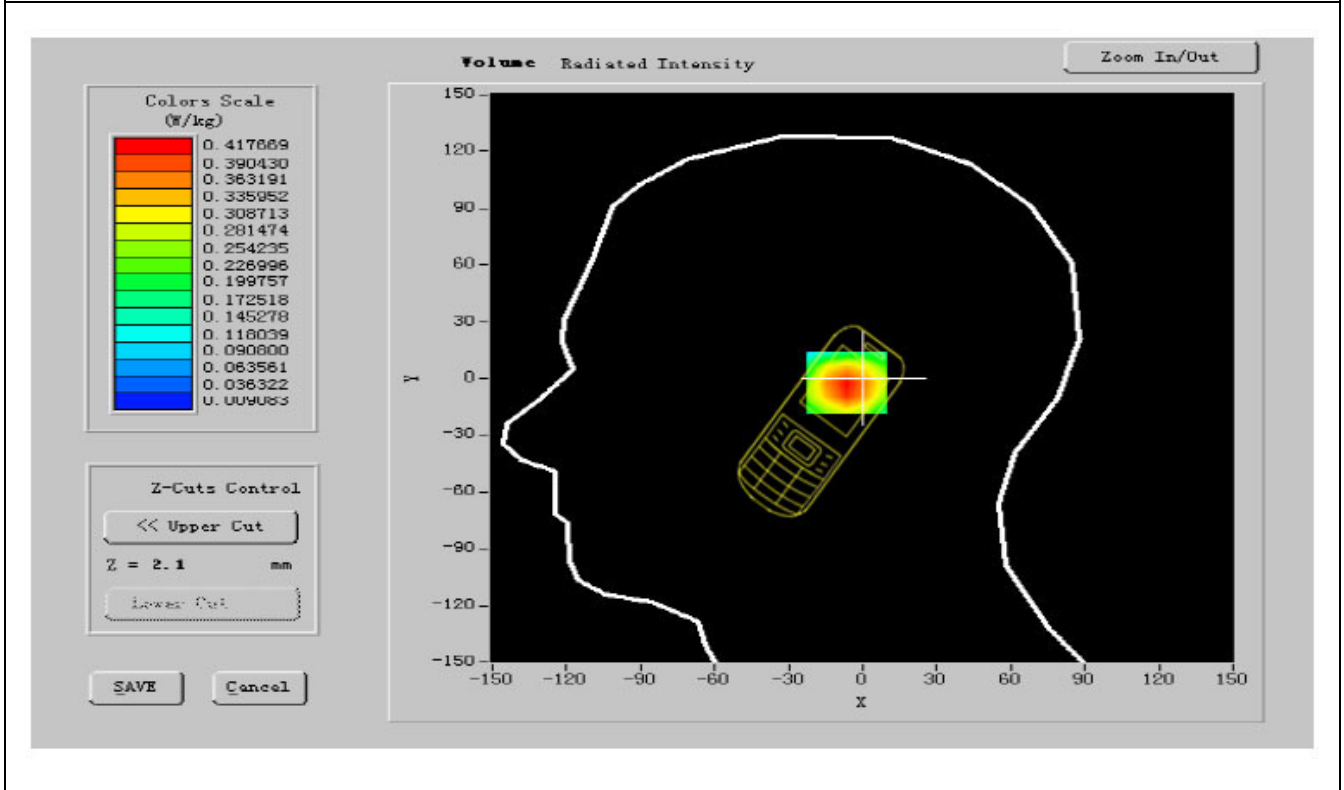


ConvF:	41.91, 43.15, 56.44
Crest factor:	1:8

SURFACE SAR



VOLUME SAR



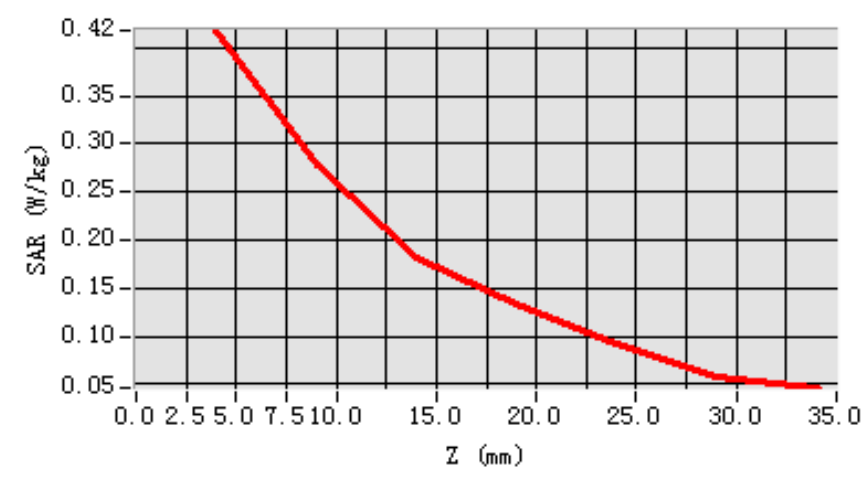


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.256978
SAR 1g (W/Kg)	0.397429

Z Axis Scan

SAR, Z Axis Scan (X = 0, Y = -2)





MEASUREMENT 11

Date of measurement: 04/14/2011

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	GSM1900
Channels	Middle
Signal	GSM

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 1900	Antennessa (DIPI36, 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

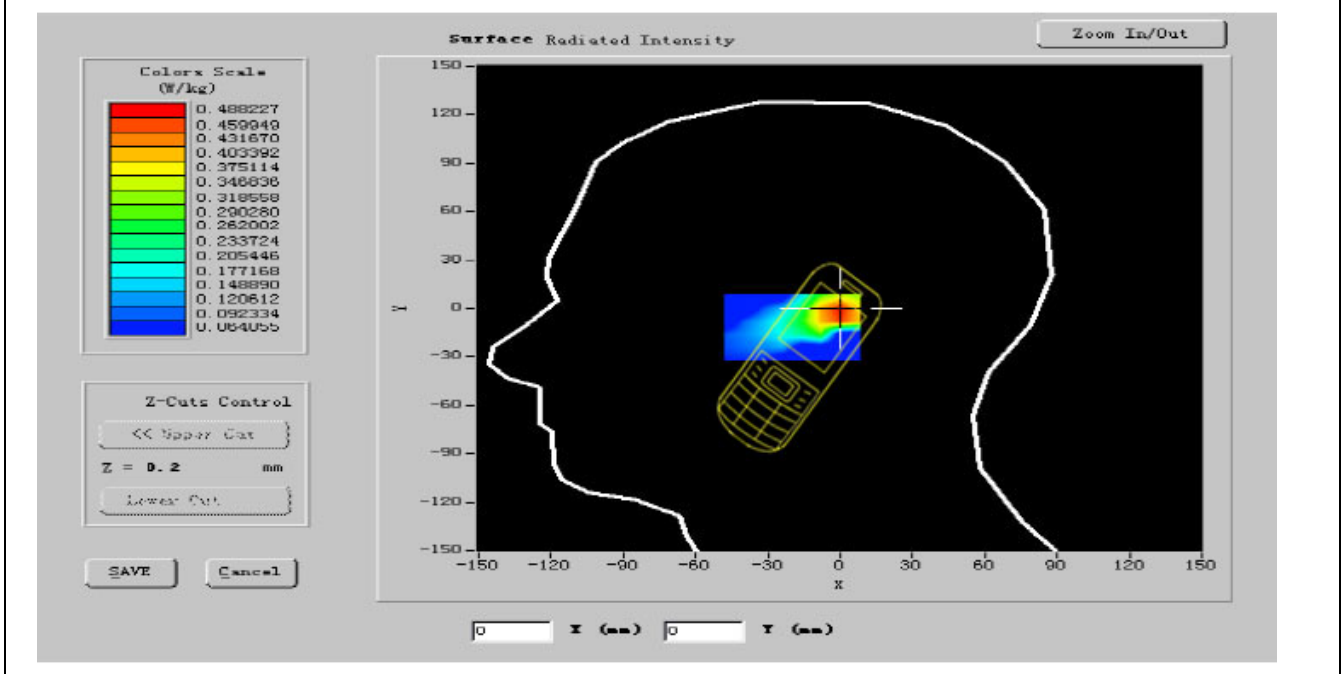
C. SAR Measurement Results

Frequency (MHz)	1880.000000
Relative permittivity (real part)	40.193001
Relative permittivity (imaginary part)	13.813800
Conductivity (S/m)	1.413245
Variation (%)	-1.100000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C

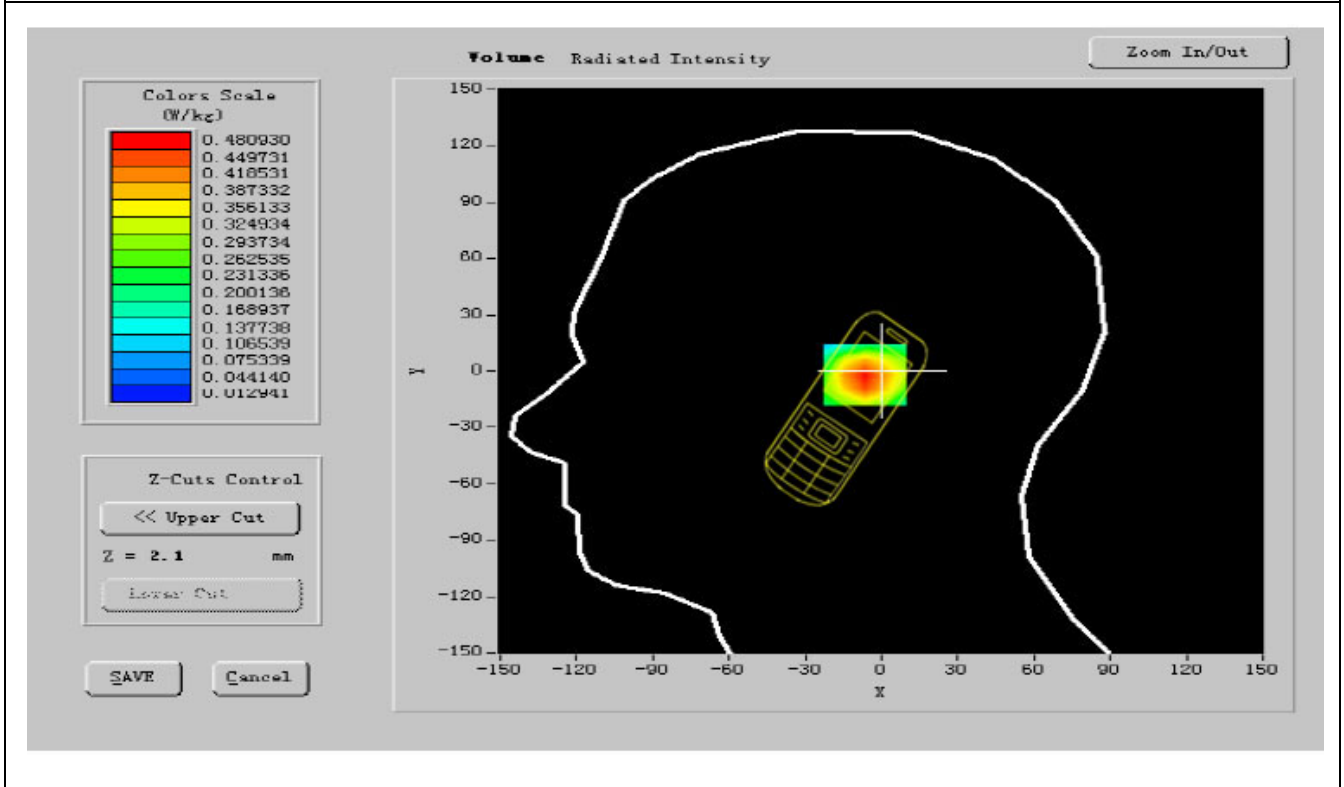


ConvF:	41.91, 43.15, 56.44
Crest factor:	1:8

SURFACE SAR



VOLUME SAR



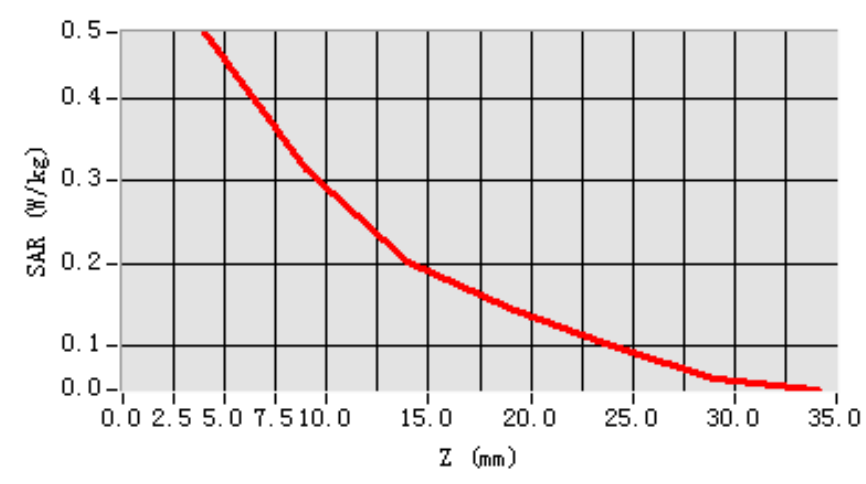


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.256123
SAR 1g (W/Kg)	0.446892

Z Axis Scan

SAR, Z Axis Scan (X = 0, Y = -2)





MEASUREMENT 12

Date of measurement: 04/14/2011

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	GSM1900
Channels	High
Signal	GSM

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 1900	Antennessa (DIPI36, 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

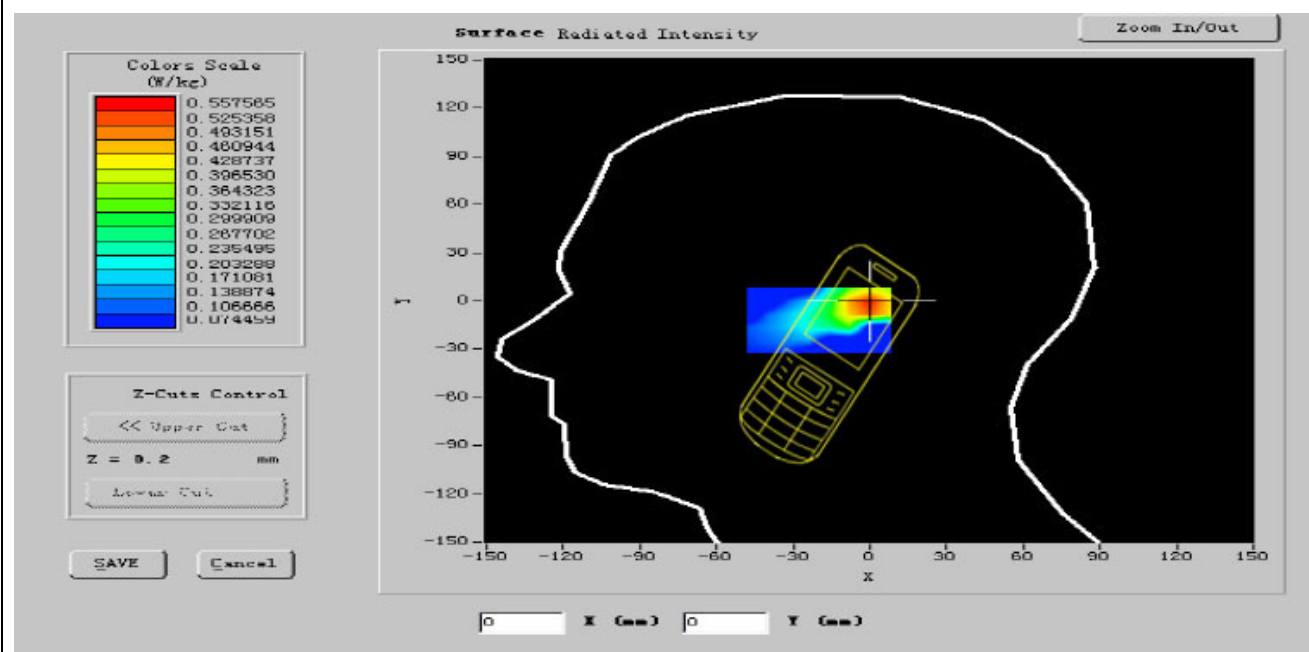
C. SAR Measurement Results

Frequency (MHz)	1909.599976
Relative permittivity (real part)	40.285999
Relative permittivity (imaginary part)	13.669900
Conductivity (S/m)	1.420225
Variation (%)	-1.130000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C

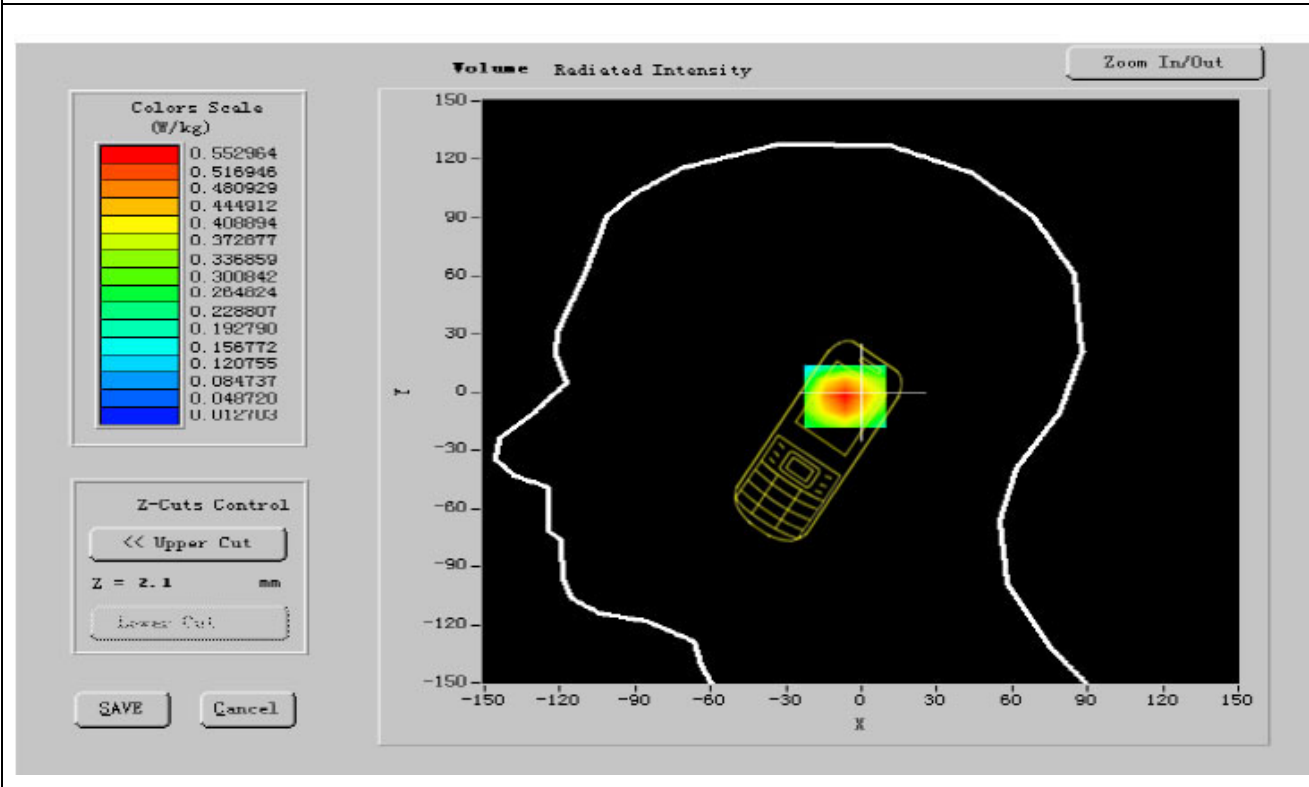


ConvF:	41.91, 43.15, 56.44
Crest factor:	1:8

SURFACE SAR



VOLUME SAR



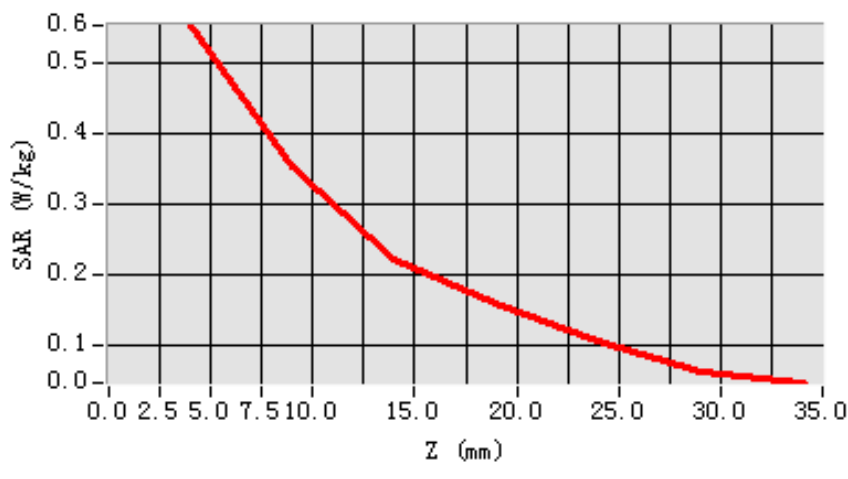


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.365651
SAR 1g (W/Kg)	0.487752

Z Axis Scan

SAR, Z Axis Scan (X = 0, Y = -2)





MEASUREMENT 13

Date of measurement: 04/14/2011

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	GSM1900
Channels	Low
Signal	GSM

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 1900	Antennessa (DIPI36, 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

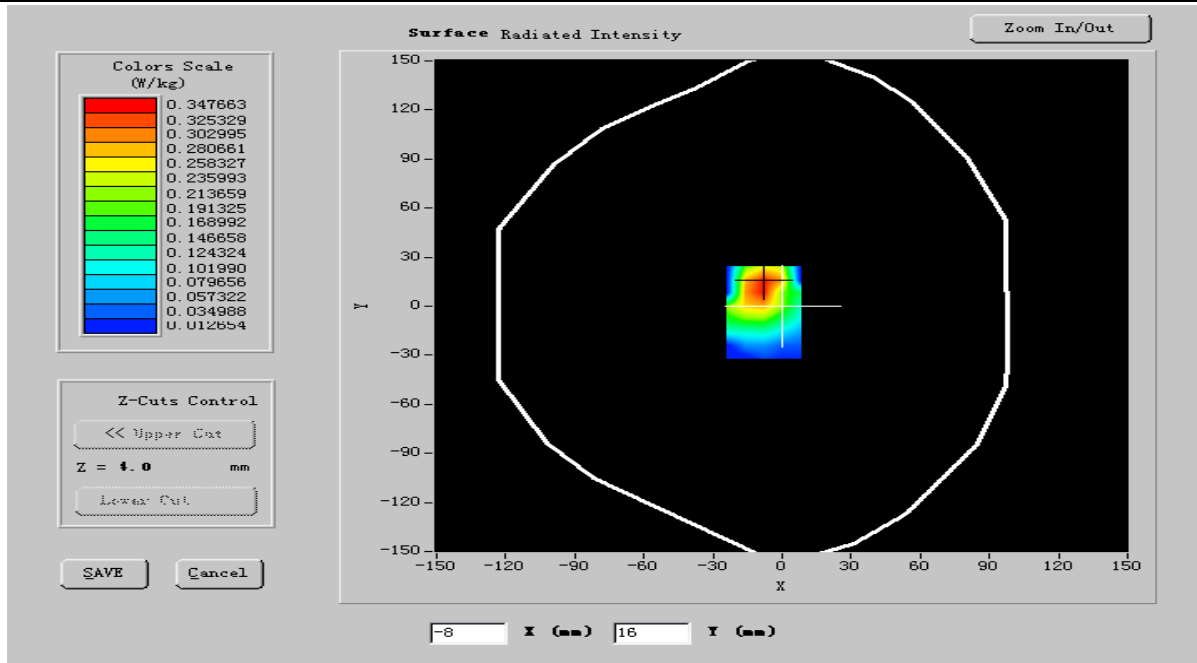
C. SAR Measurement Results

Frequency (MHz)	1850.400024
Relative permittivity (real part)	52.313000
Relative permittivity (imaginary part)	13.584900
Conductivity (S/m)	1.416522
Variation (%)	-0.130000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C

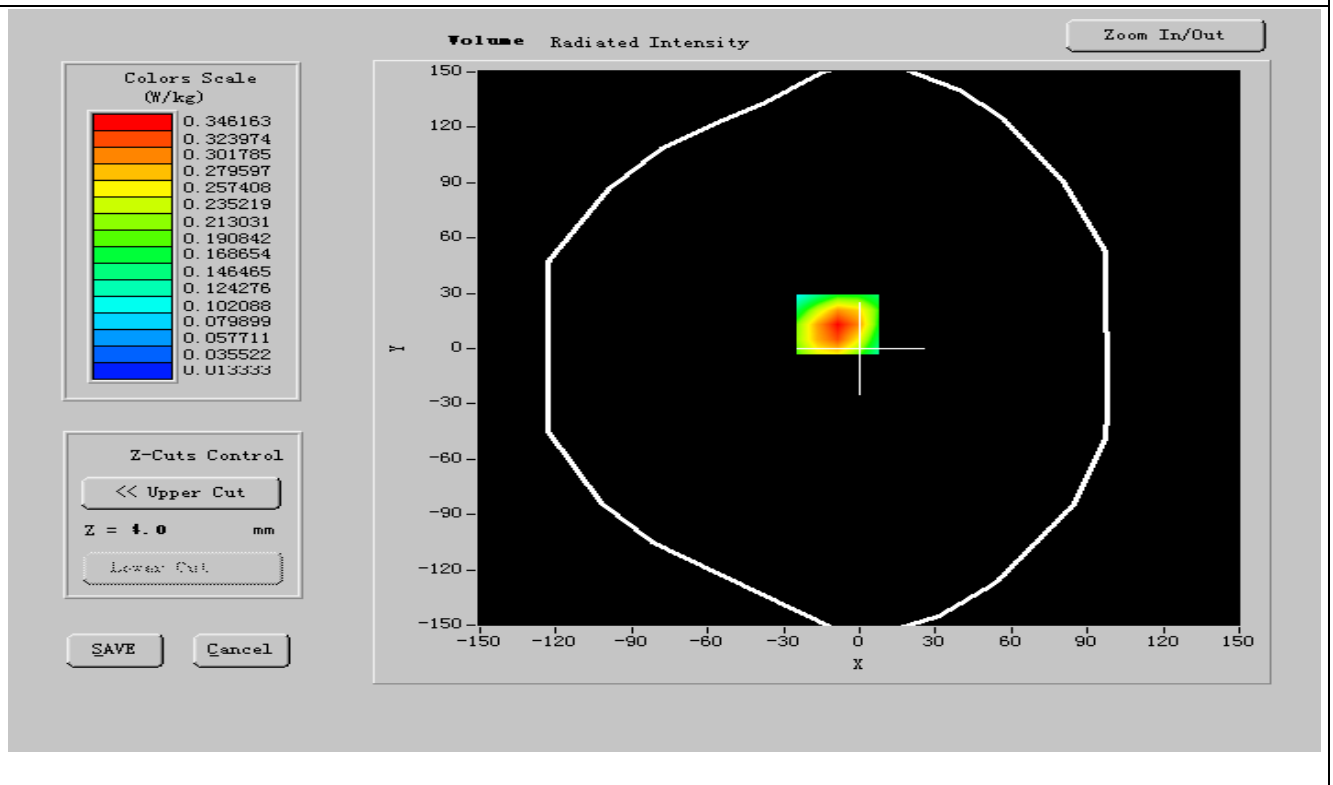


ConvF:	41.01, 42.41, 55.65
Crest factor:	1:8

SURFACE SAR



VOLUME SAR



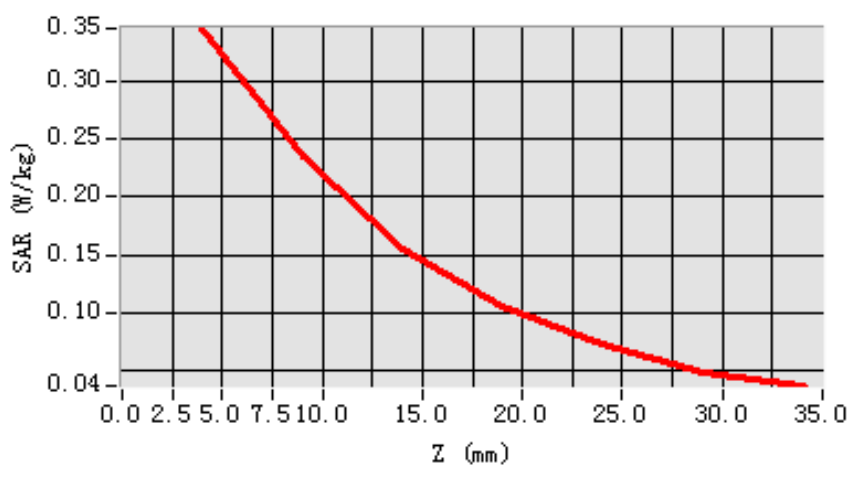


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.200652
SAR 1g (W/Kg)	0.303576

Z Axis Scan

SAR, Z Axis Scan (X = -9, Y = 13)





MEASUREMENT 14

Date of measurement: 04/14/2011

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	GSM1900
Channels	Middle
Signal	GSM

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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	Antenna (SN:SN_1109_EP_100)	Calibration Due: 05/04/2011
DIPOLE 1900	Antenna (DIPI36, SN 48/05)	Calibration Due: 02/09/2012
Phantom	Antenna (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antenna	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

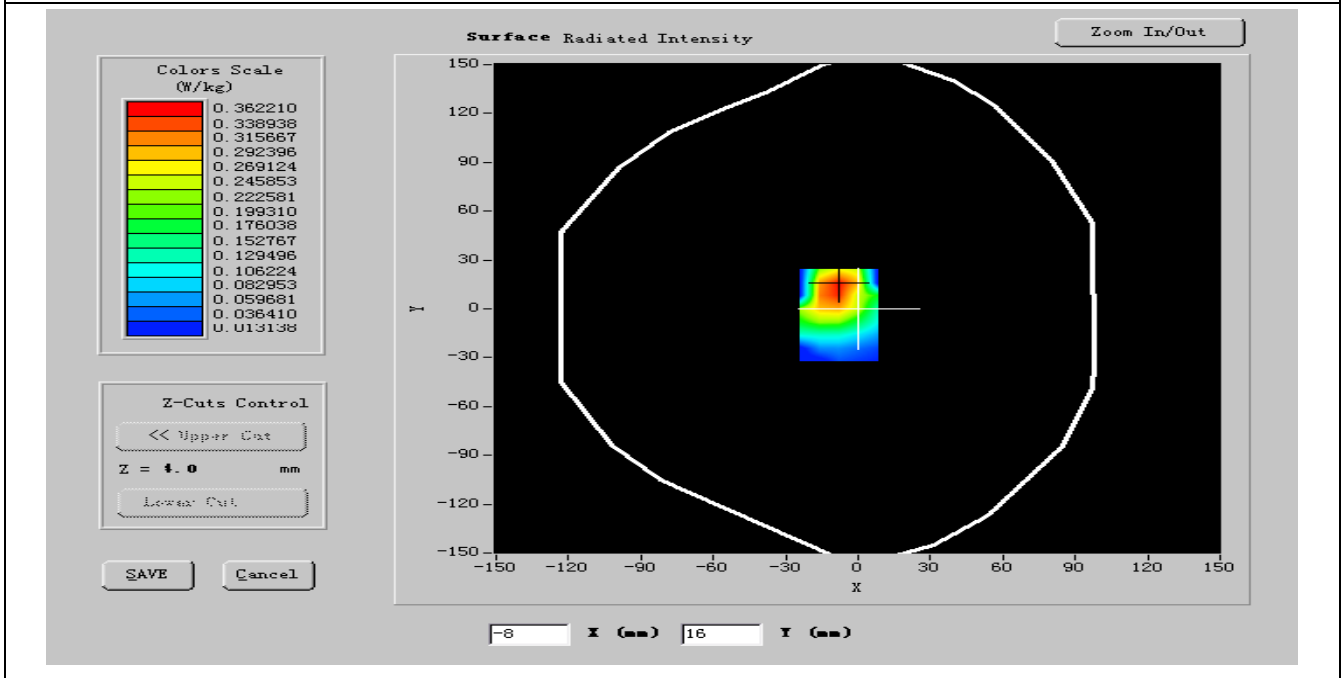
C. SAR Measurement Results

Frequency (MHz)	1880.000000
Relative permittivity (real part)	52.893001
Relative permittivity (imaginary part)	13.813800
Conductivity (S/m)	1.512775
Variation (%)	-0.700000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C

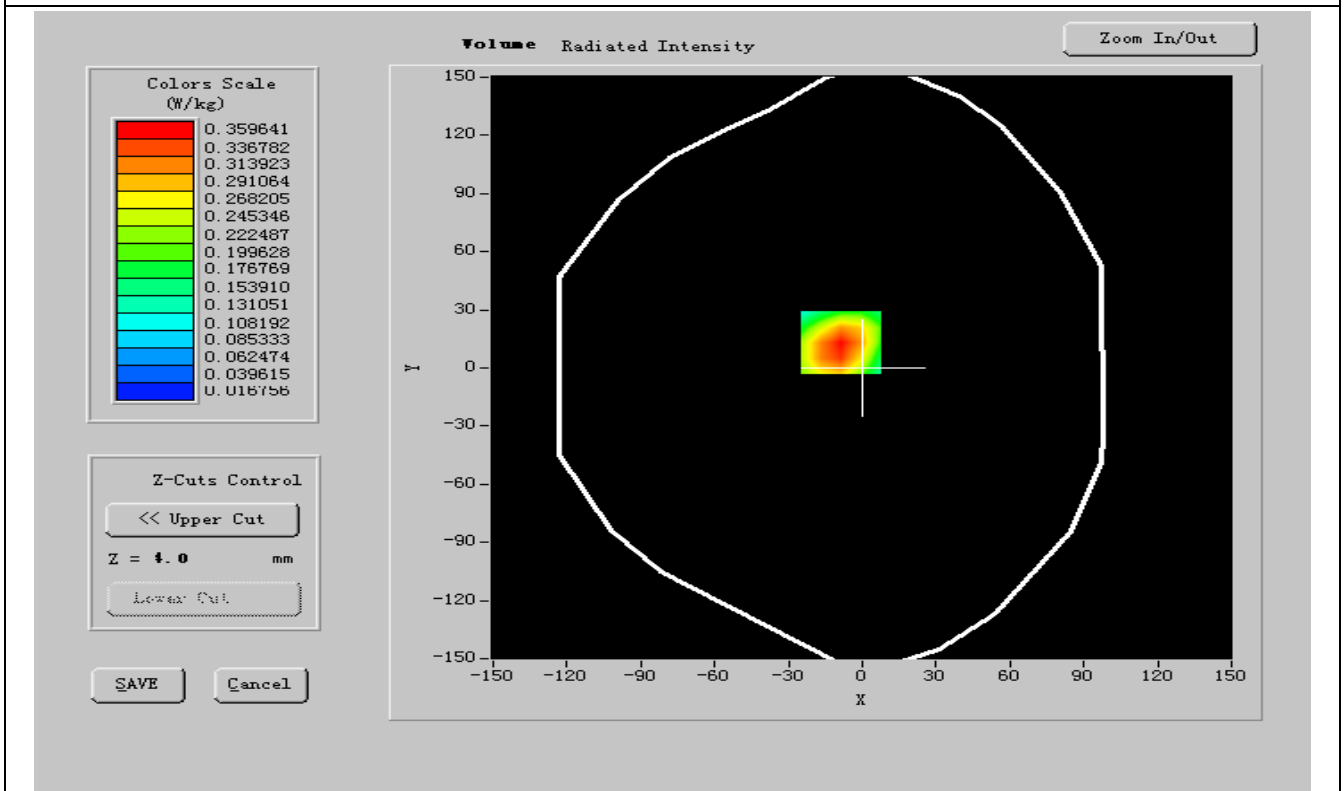


ConvF:	41.01, 42.41, 55.65
Crest factor:	1:8

SURFACE SAR



VOLUME SAR



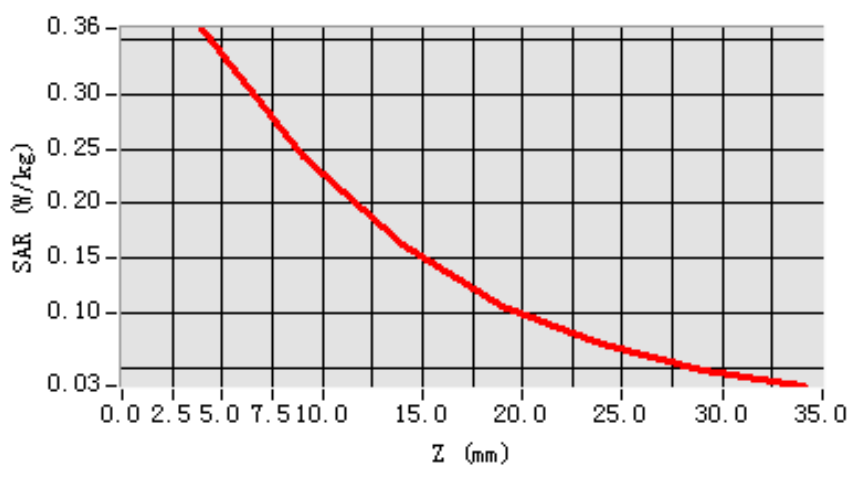


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.203691
SAR 1g (W/Kg)	0.315239

Z Axis Scan

SAR, Z Axis Scan (X = -9, Y = 13)





MEASUREMENT 15

Date of measurement: 04/14/2011

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	GSM1900
Channels	High
Signal	GSM

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 1900	Antennessa (DIPI36, 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

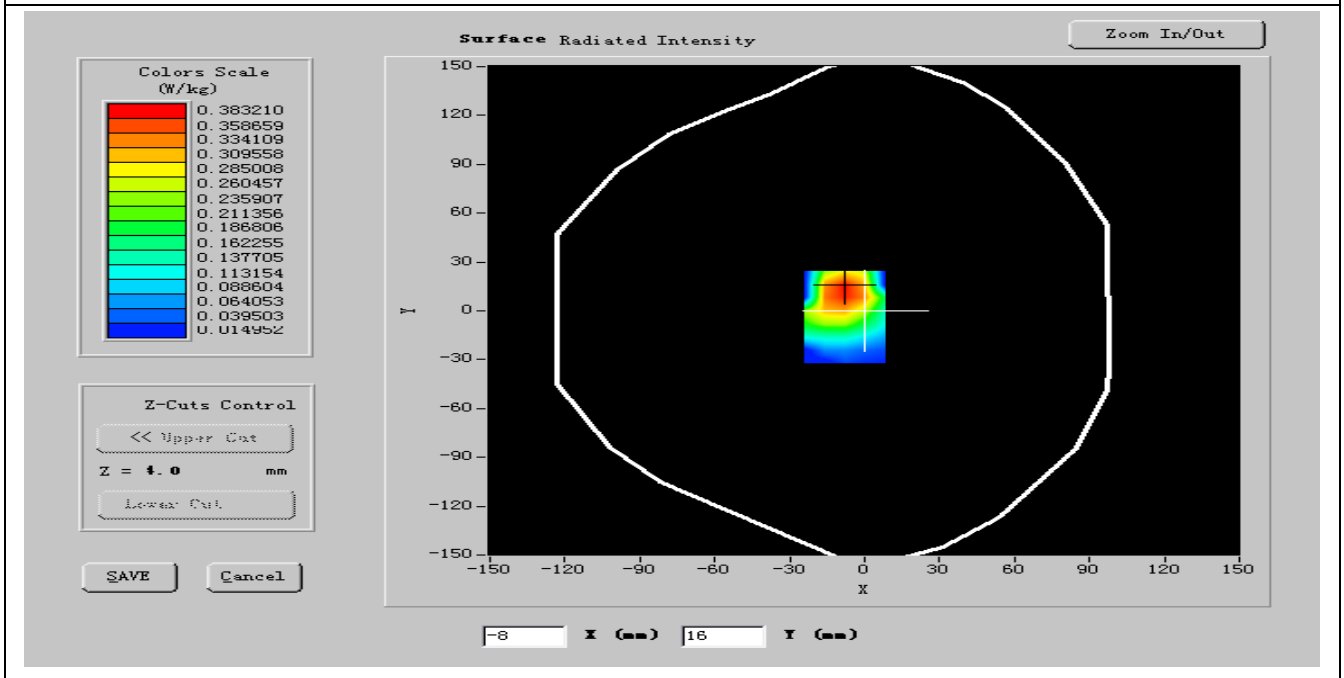
C. SAR Measurement Results

Frequency (MHz)	1909.599976
Relative permittivity (real part)	52.885999
Relative permittivity (imaginary part)	13.669900
Conductivity (S/m)	1.510225
Variation (%)	-0.600000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C

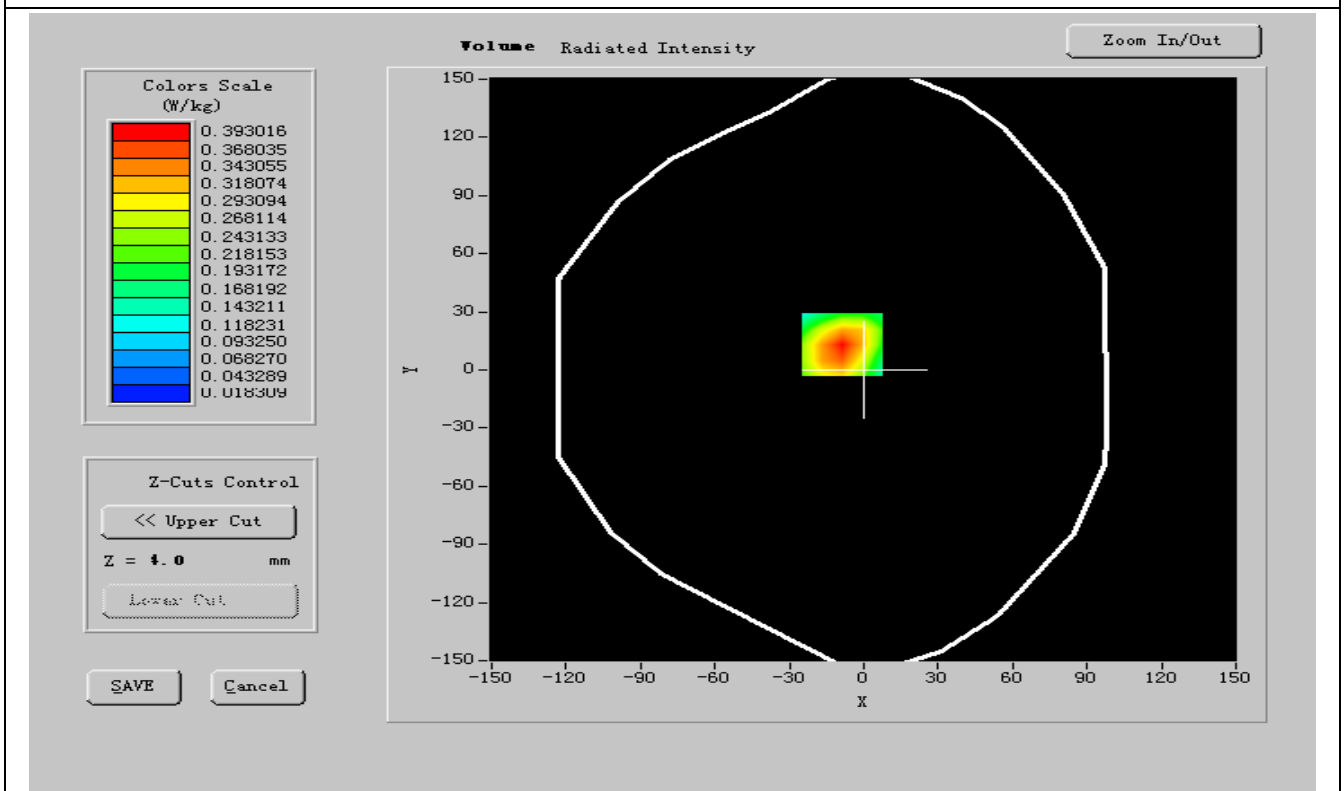


ConvF:	41.01, 42.41, 55.65
Crest factor:	1:8

SURFACE SAR



VOLUME SAR



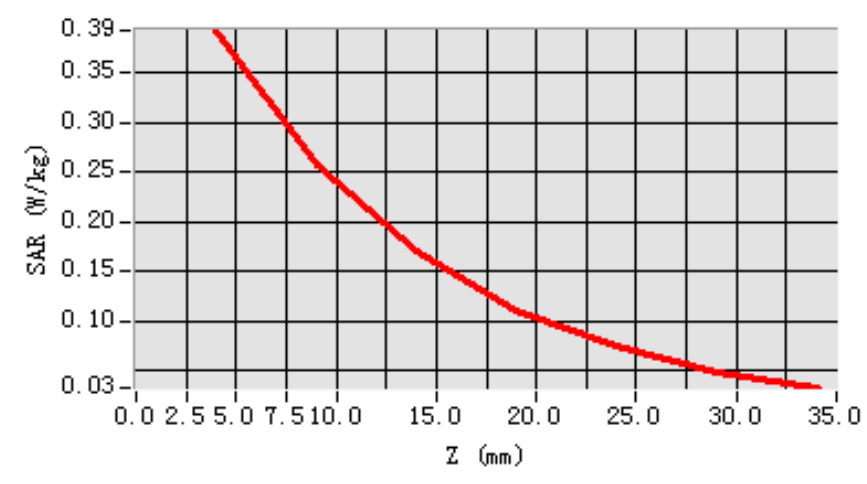


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.245223
SAR 1g (W/Kg)	0.357196

Z Axis Scan

SAR, Z Axis Scan (X = -9, Y = 13)





MEASUREMENT 16

Date of measurement: 04/14/2011

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, Adaptative 2 max
Phantom	Body
Device Position	BackSide toward phantom
Band	GSM1900
Channels	Low
Signal	GSM

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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	Antenna (SN:SN_1109_EP_100)	Calibration Due: 05/04/2011
DIPOLE 1900	Antenna (DIPI36, SN 48/05)	Calibration Due: 02/09/2012
Phantom	Antenna (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antenna	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

C. SAR Measurement Results

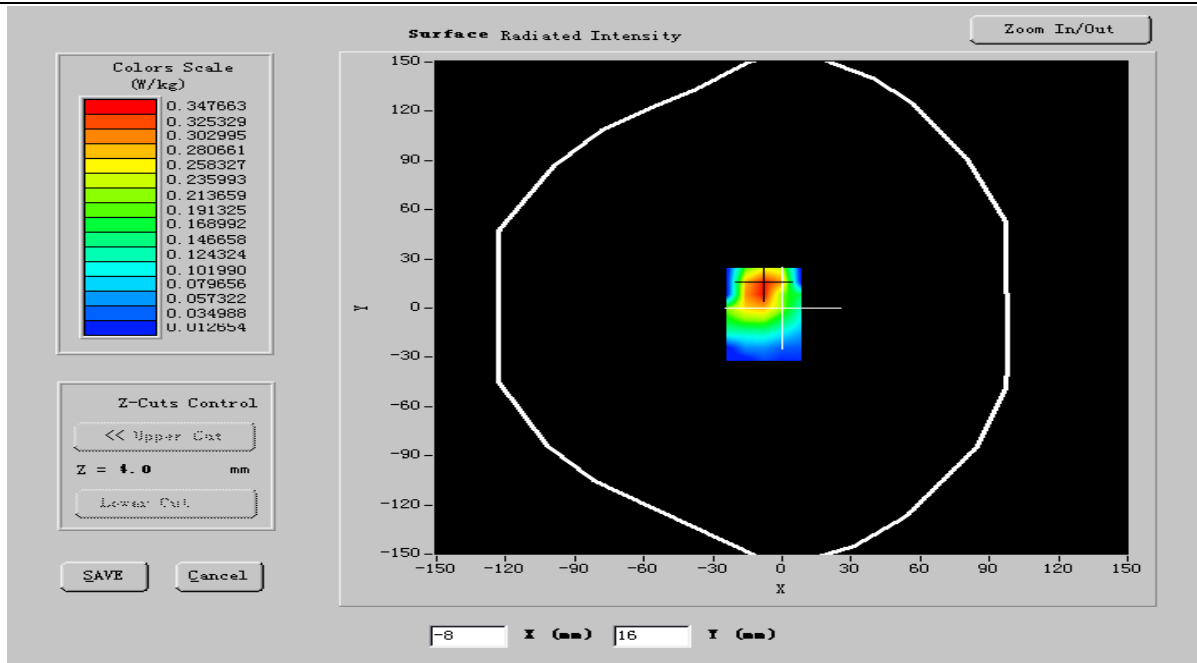
Frequency (MHz)	1850.400024
Relative permittivity (real part)	52.321420
Relative permittivity (imaginary part)	13.568140
Conductivity (S/m)	1.402642
Variation (%)	-0.120000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	41.01, 42.41, 55.65



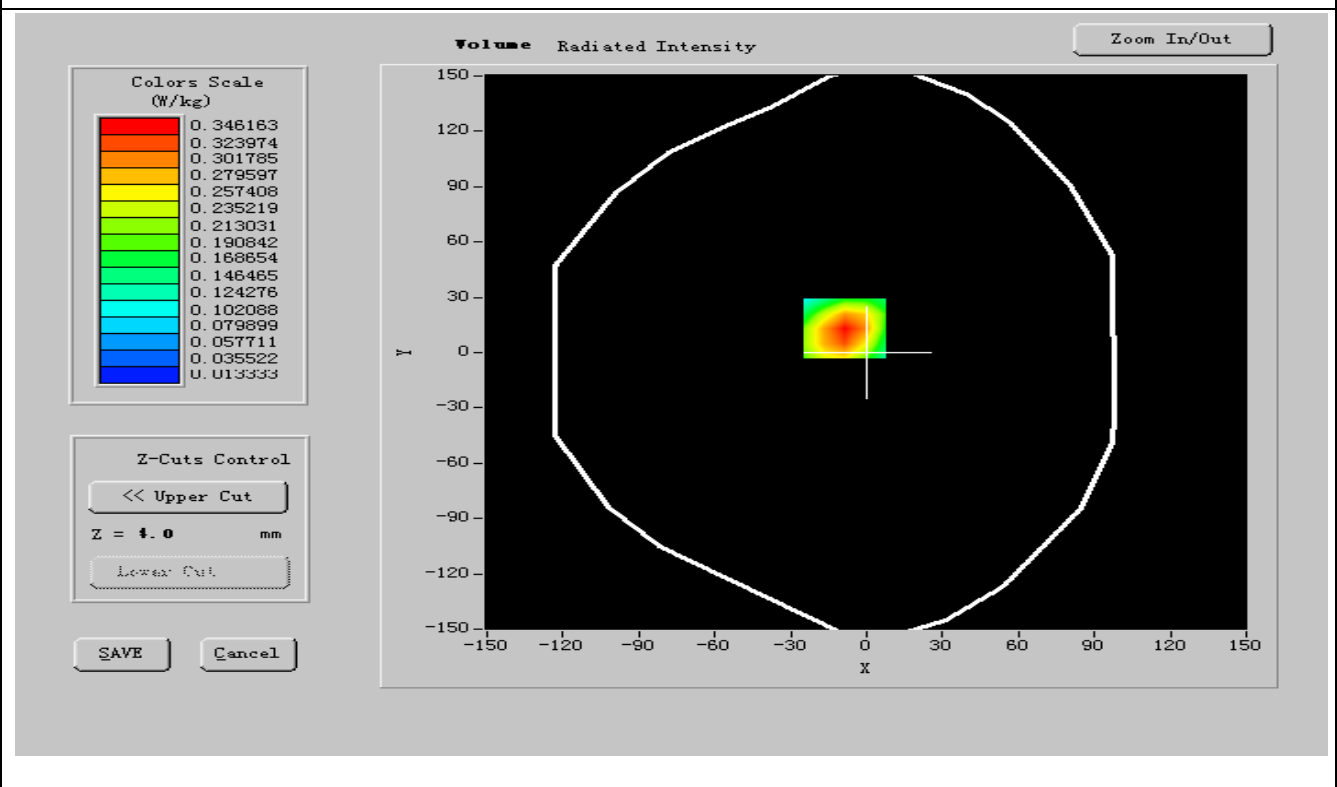
Crest factor:

1:8

SURFACE SAR



VOLUME SAR



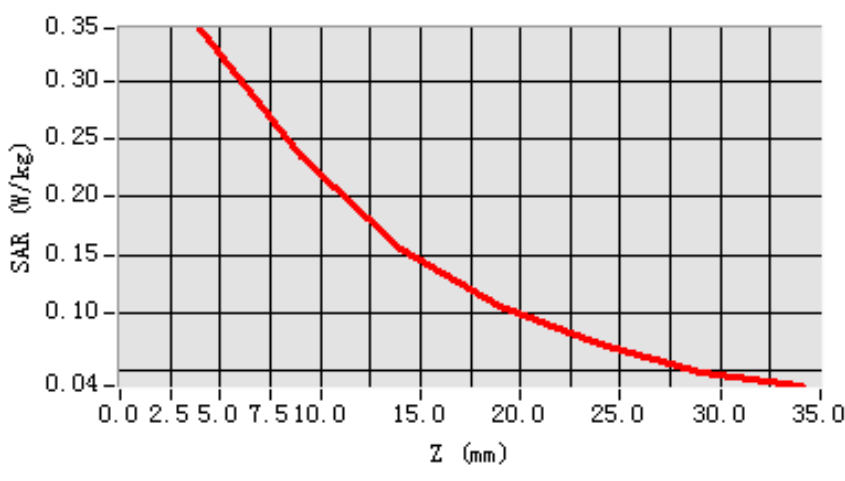


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.202552
SAR 1g (W/Kg)	0.275963

Z Axis Scan

SAR, Z Axis Scan (X = -9, Y = 13)





MEASUREMENT 17

Date of measurement: 04/14/2011

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	BackSide toward phantom
Band	GSM1900
Channels	Middle
Signal	GSM

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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 1900	Antennessa (DIPI36, 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

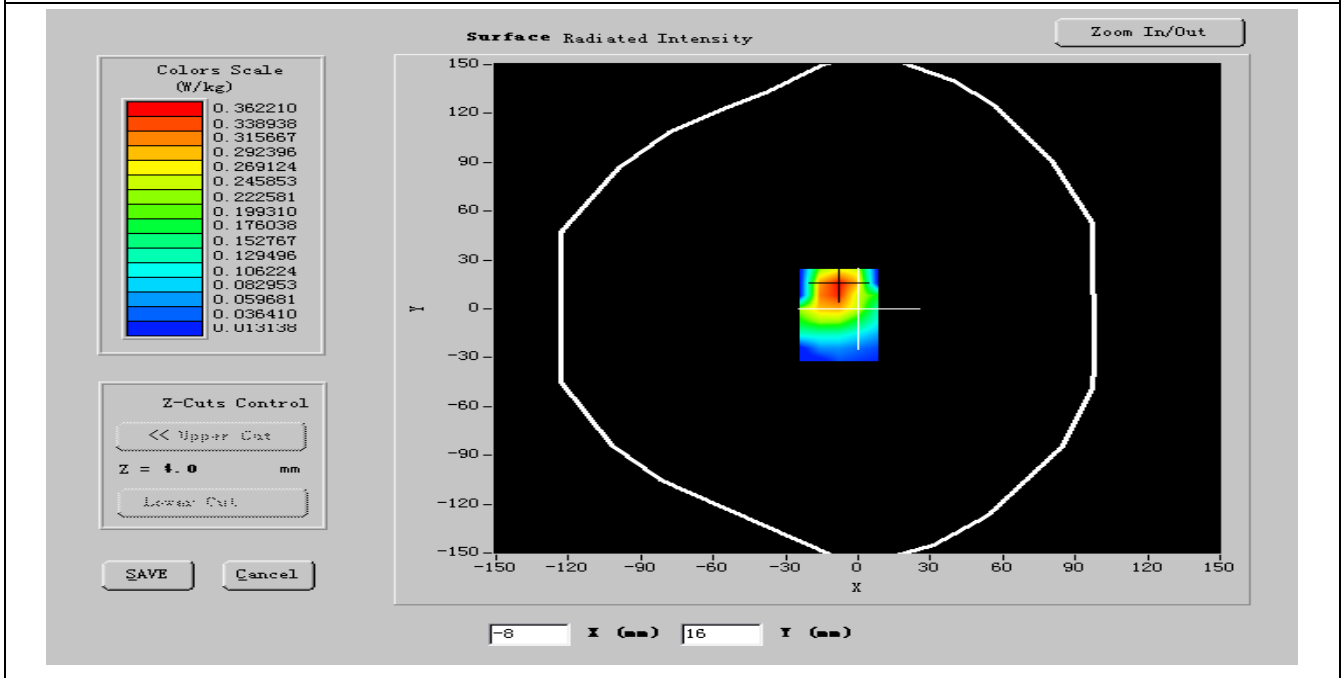
C. SAR Measurement Results

Frequency (MHz)	1880.000000
Relative permittivity (real part)	52.875621
Relative permittivity (imaginary part)	13.814200
Conductivity (S/m)	1.513241
Variation (%)	-0.720000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C

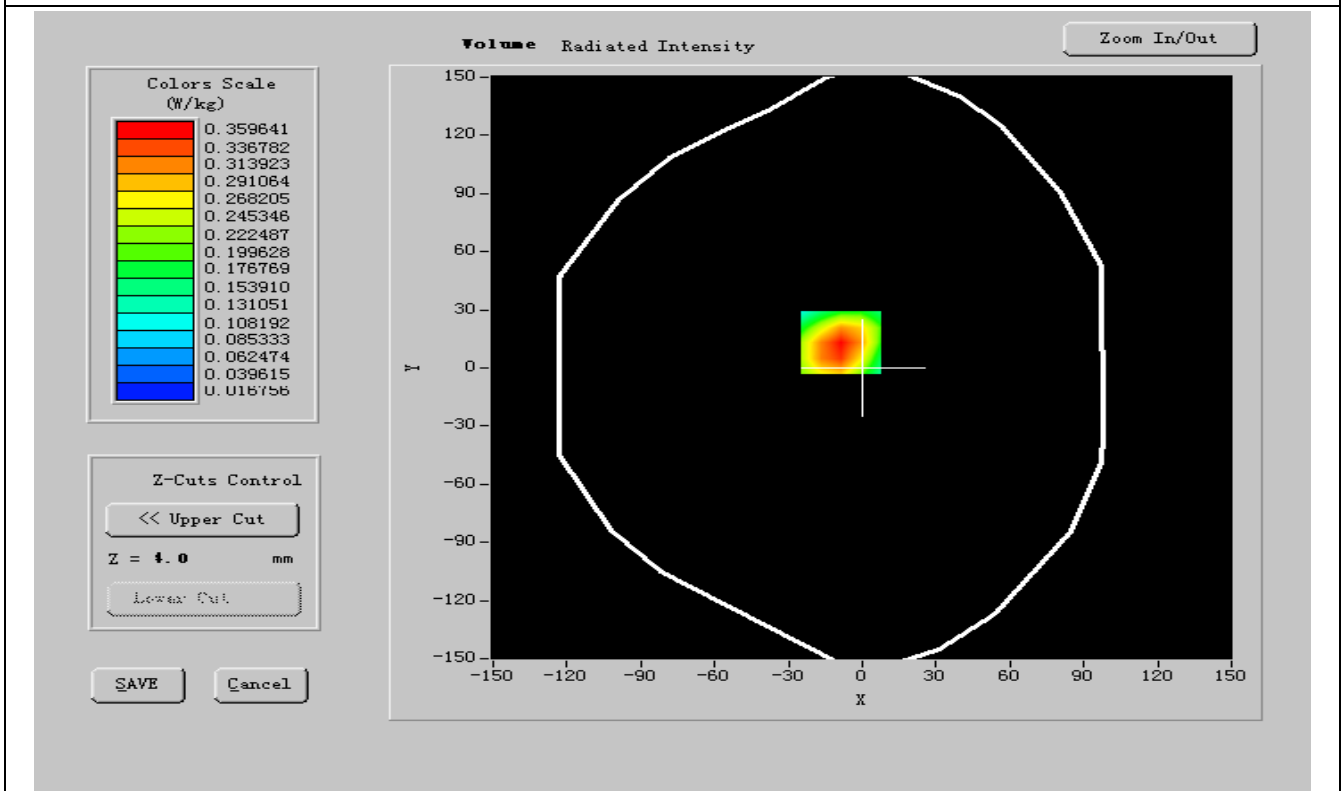


ConvF:	41.01, 42.41, 55.65
Crest factor:	1:8

SURFACE SAR



VOLUME SAR



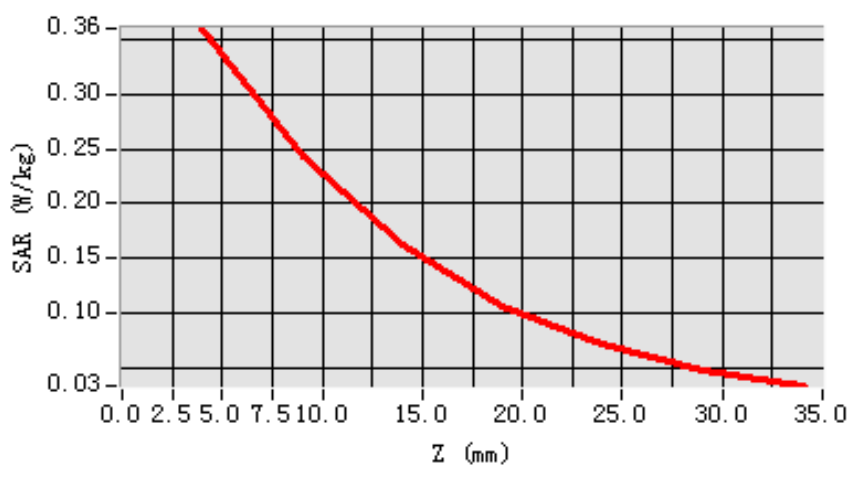


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.212051
SAR 1g (W/Kg)	0.296349

Z Axis Scan

SAR, Z Axis Scan (X = -9, Y = 13)





MEASUREMENT 18

Date of measurement: 04/14/2011

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	BackSide toward phantom
Band	GSM1900
Channels	High
Signal	GSM

B. Instrumentations.

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibrated: N/A
Wireless Communication Test Set	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
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	Antenna (SN:SN_1109_EP_100)	Calibration Due: 05/04/2011
DIPOLE 1900	Antenna (DIPI36, SN 48/05)	Calibration Due: 02/09/2012
Phantom	Antenna (SN:SN41_05_SAM29)	Calibrated: N/A
Liquid	Antenna	Calibrated: N/A
Measurement SW	OPEN SAR V2.1	Calibrated: N/A

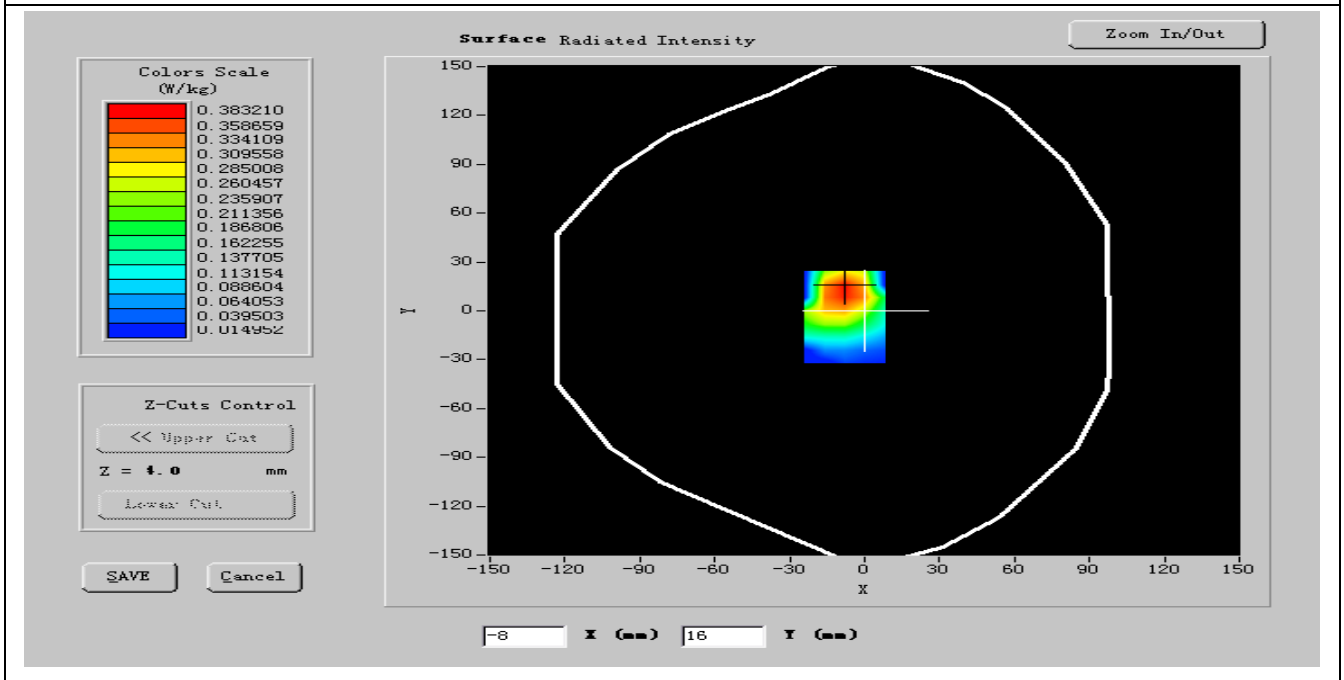
C. SAR Measurement Results

Frequency (MHz)	1909.599976
Relative permittivity (real part)	52.884854
Relative permittivity (imaginary part)	13.658620
Conductivity (S/m)	1.510225
Variation (%)	-0.600000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C

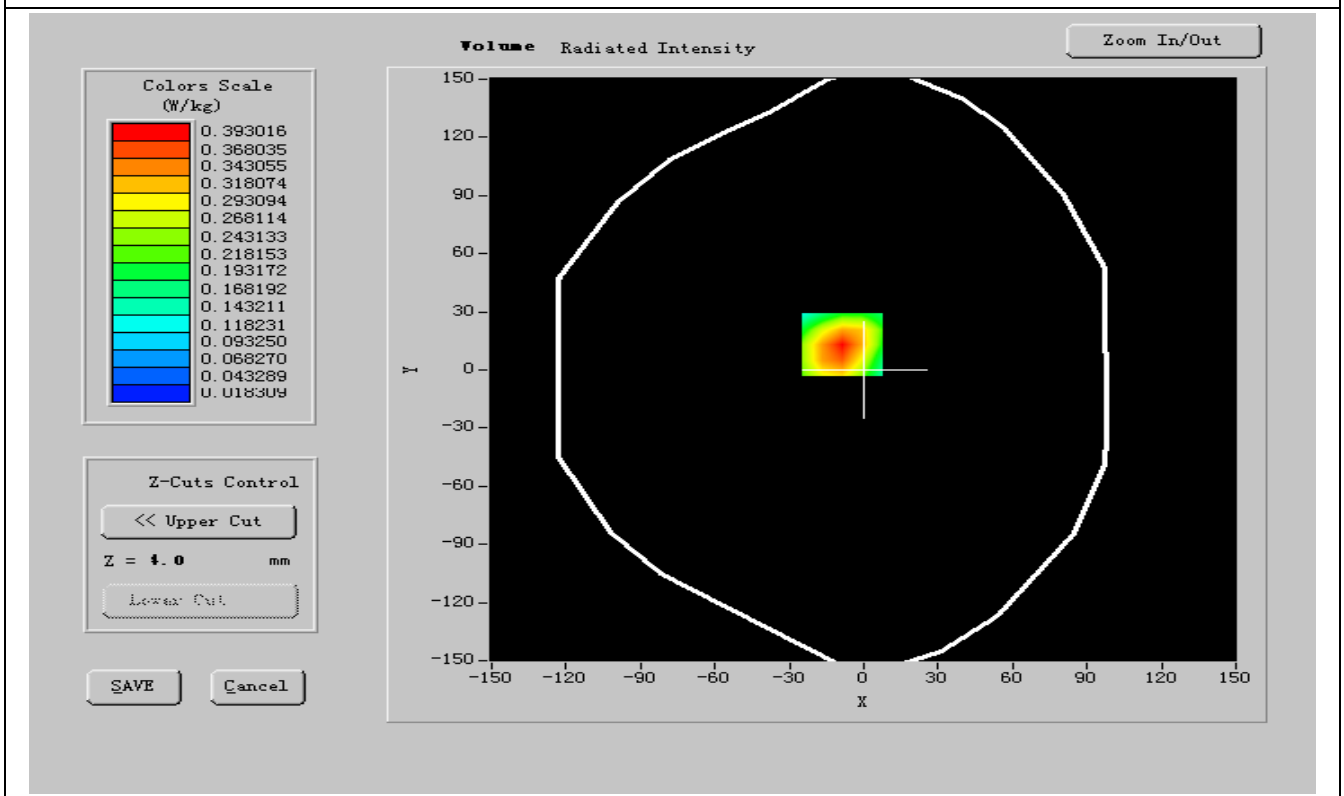


ConvF:	41.01, 42.41, 55.65
Crest factor:	1:8

SURFACE SAR



VOLUME SAR





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

SAR 10g (W/Kg)	0.242136
SAR 1g (W/Kg)	0.327830

Z Axis Scan

SAR, Z Axis Scan (X = -9, Y = 13)

