Ⅱ. 1900MHz Band RESULTS

TYPE	PARAMETERS
Phone	Measurement 1: Face Down toward phantom 5mm, High Channel in GSM1900 mode Measurement 2: Face up toward phantom 5mm, High Channel in GSM1900 mode Measurement 3: Face Down toward phantom 5mm, High Channel in GPRS1900 mode Measurement 4: Face up toward phantom 5mm, High Channel in GPRS1900 mode Measurement 5: Left edge toward phantom 5mm, High Channel in GSM1900 mode Measurement 6: Right edge toward phantom 5mm, High Channel in GSM1900 mode Measurement 7: Left edge toward phantom 5mm, High Channel in GPRS1900 mode Measurement 8: Right edge toward phantom 5mm, High Channel in GPRS1900 mode Measurement 9: Rear edge toward phantom 5mm, High Channel in GSM1900 mode Measurement 10: Tip edge toward phantom 5mm, High Channel in GSM1900 mode Measurement 11: Rear edge toward phantom 5mm, High Channel in GPRS1900 mode Measurement 12: Tip edge toward phantom 5mm, High Channel in GPRS1900 mode

MEASUREMENT 1

Date of measurement: 12/9/2010

Area Scan: 7 x 7 x 1 **dx=15mm** **dy=15mm**

Zoom Scan: 5 x 5 x 7 **dx=5mm** **dy=5mm** **dz=5mm**

Z Axis Scan: 1 x 1 x 21 **dx=20mm** **dy=20mm** **dz=5mm**

A. Experimental conditions.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Body
Device Position	Face Down toward phantom
Band	GSM1900
Channels	High
Signal	GSM

B. Instrumentations.

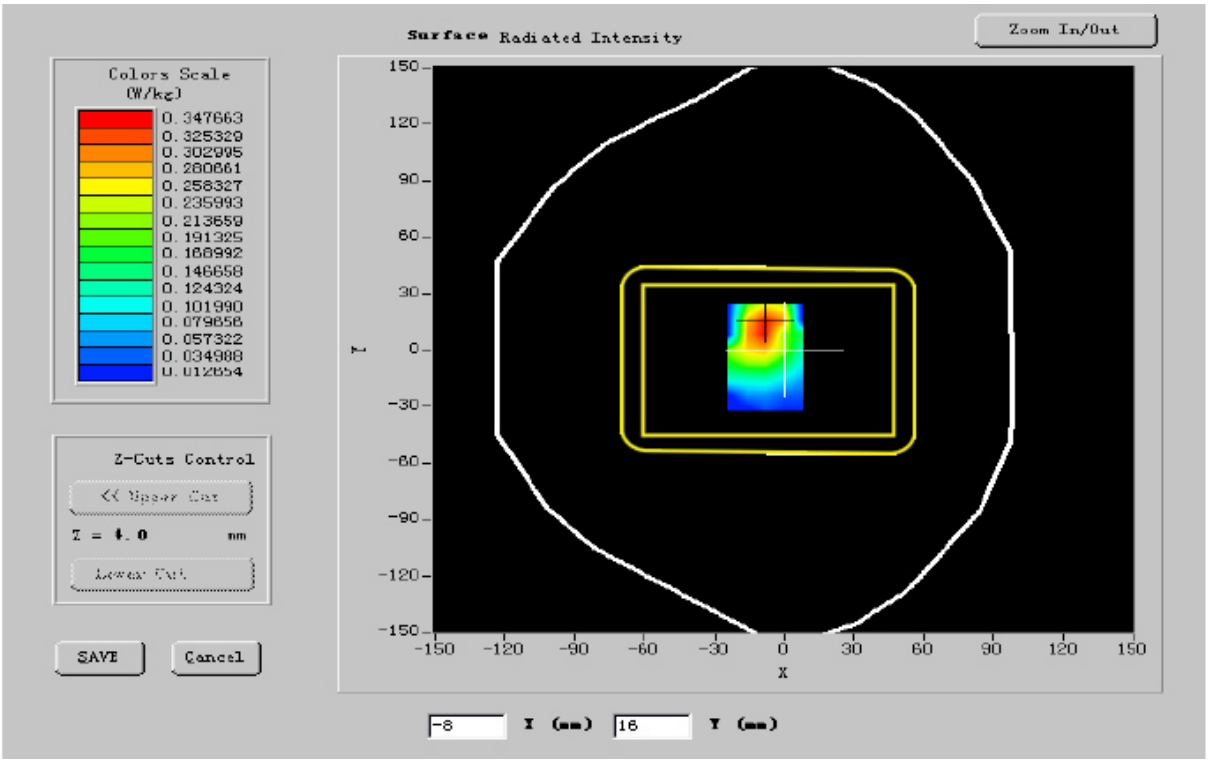
PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35,SN 48/05)**	**Calibration Due: 02/09/2012**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

C. SAR Measurement Results

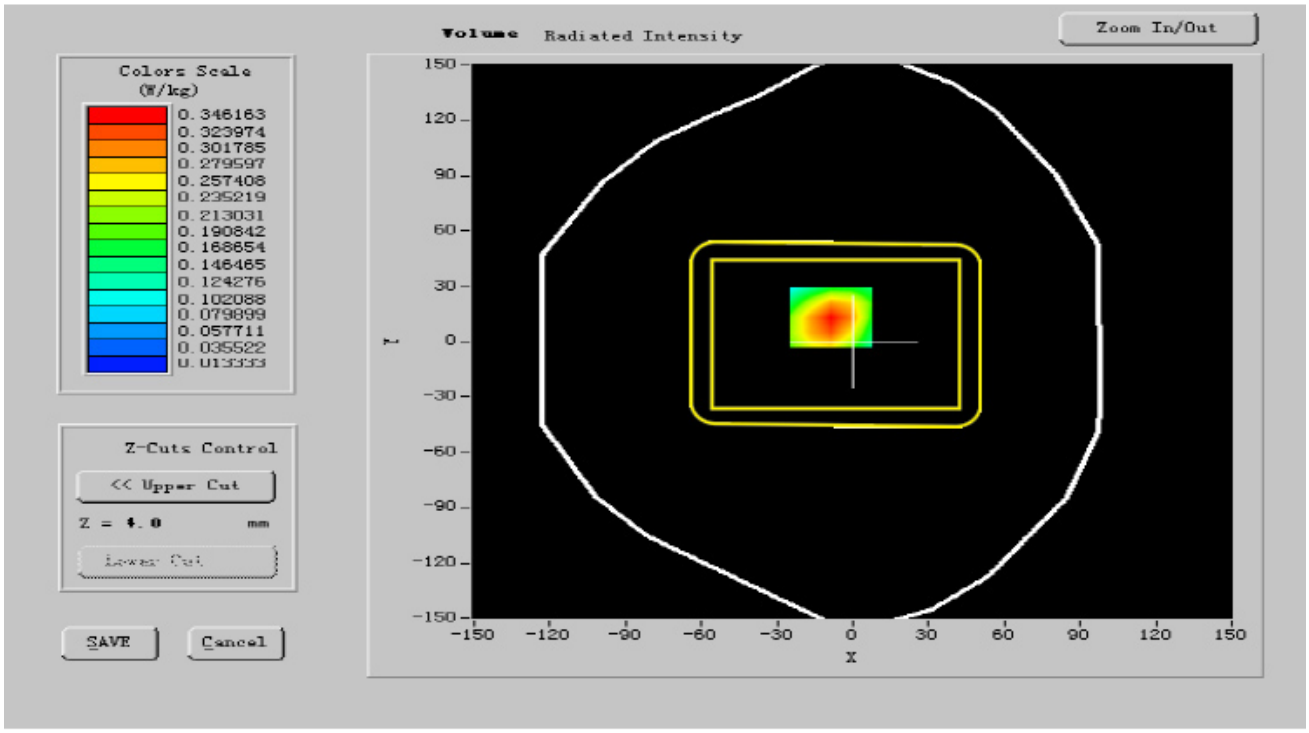
Frequency (MHz)	**1910.000000**
Relative permitivity (real part)	**50.201000**
Relative permitivity (imaginary part)	**14.254800**
Conductivity (S/m)	**1.016522**
Variation (%)	**-0.130000**
Ambient Temperature:	**21 °C**

Liquid Temperature:	**20.3 °C**
ConvF:	**40.42, 41.12, 54.75**
Crest factor:	**1:8**

SURFACE SAR



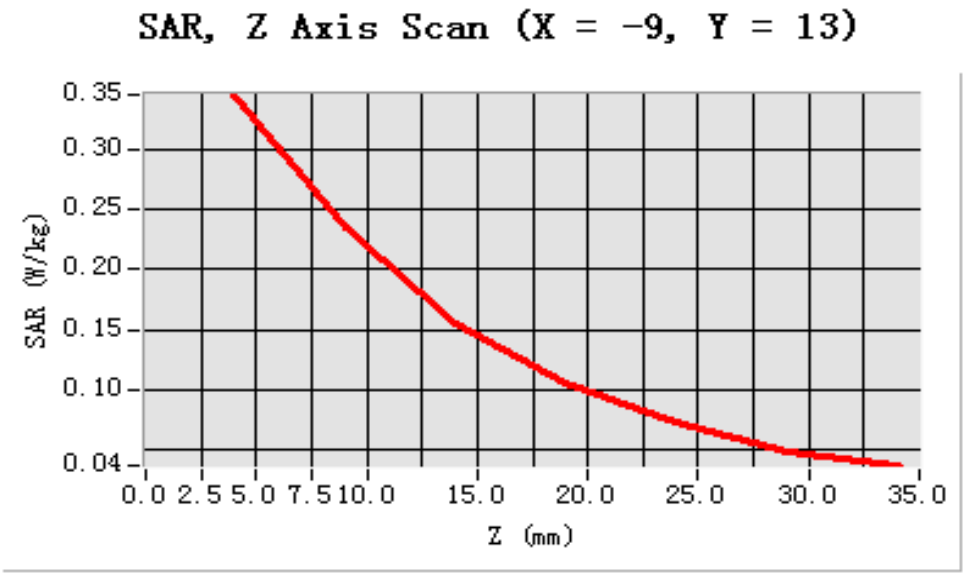
VOLUME SAR



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

SAR 10g (W/Kg)	0.532857
SAR 1g (W/Kg)	0.302436

Z Axis Scan



MEASUREMENT 2

Date of measurement: 12/9/2010

Area Scan: 7 x 7 x 1 **dx=15mm** **dy=15mm**

Zoom Scan: 5 x 5 x 7 **dx=5mm** **dy=5mm** **dz=5mm**

Z Axis Scan: 1 x 1 x 21 **dx=20mm** **dy=20mm** **dz=5mm**

A. Experimental conditions.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Body
Device Position	Face UP toward phantom
Band	GSM1900
Channels	High
Signal	GSM

B. Instrumentations.

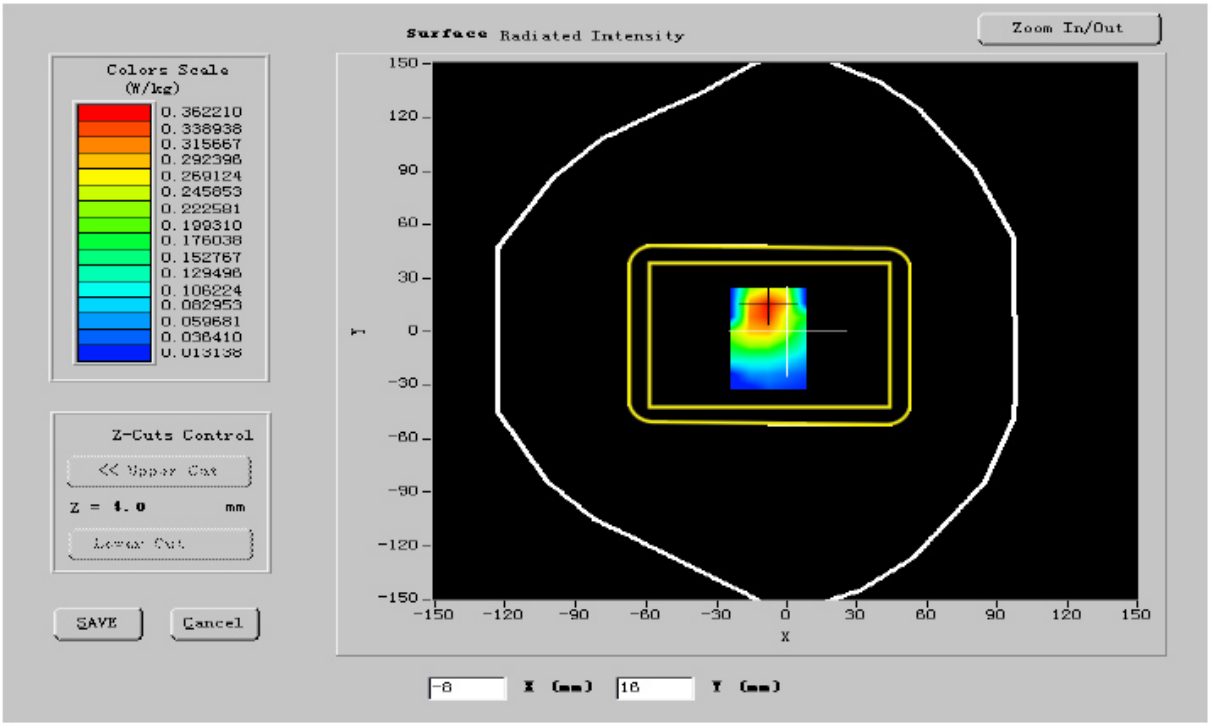
PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35,SN 48/05)**	**Calibration Due: 02/09/2012**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

C. SAR Measurement Results

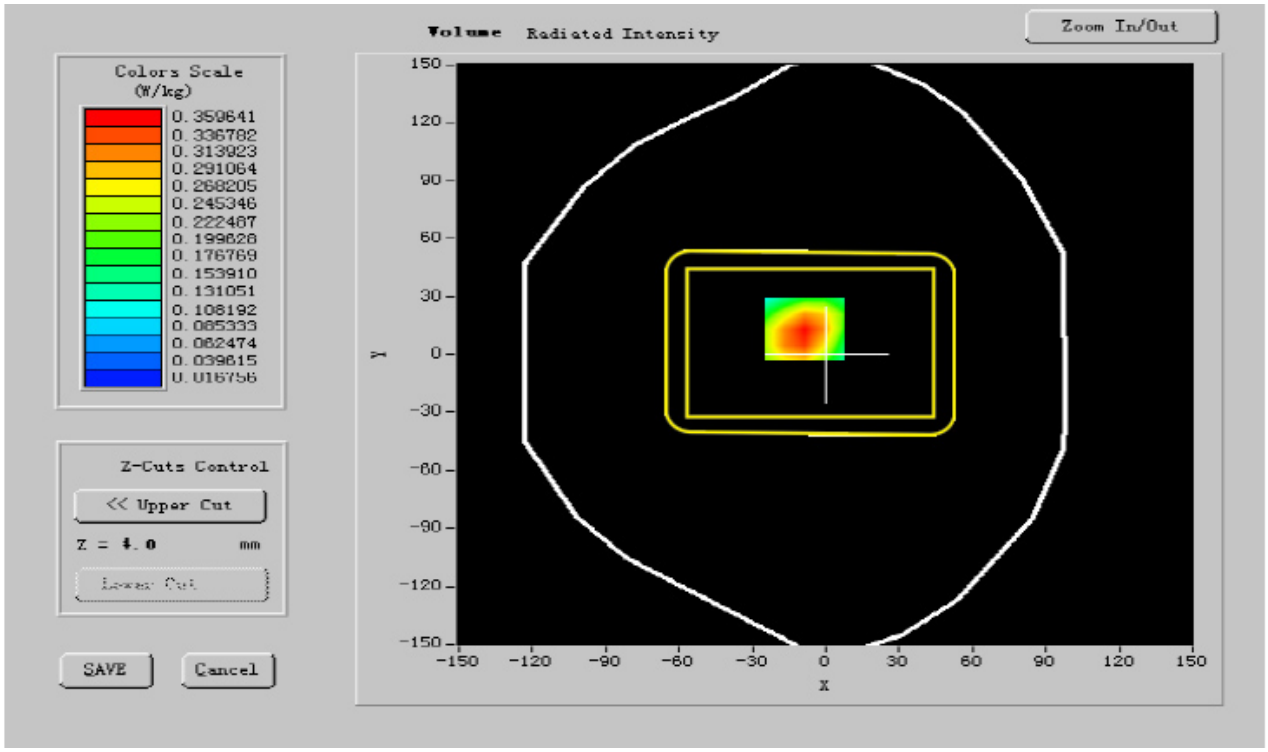
Frequency (MHz)	**1910.000000**
Relative permitivity (real part)	**49.053007**
Relative permitivity (imaginary part)	**16.763500**
Conductivity (S/m)	**1.112775**
Variation (%)	**-0.700000**
Ambient Temperature:	**21 °C**
Liquid Temperature:	**20.3 °C**

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

SURFACE SAR



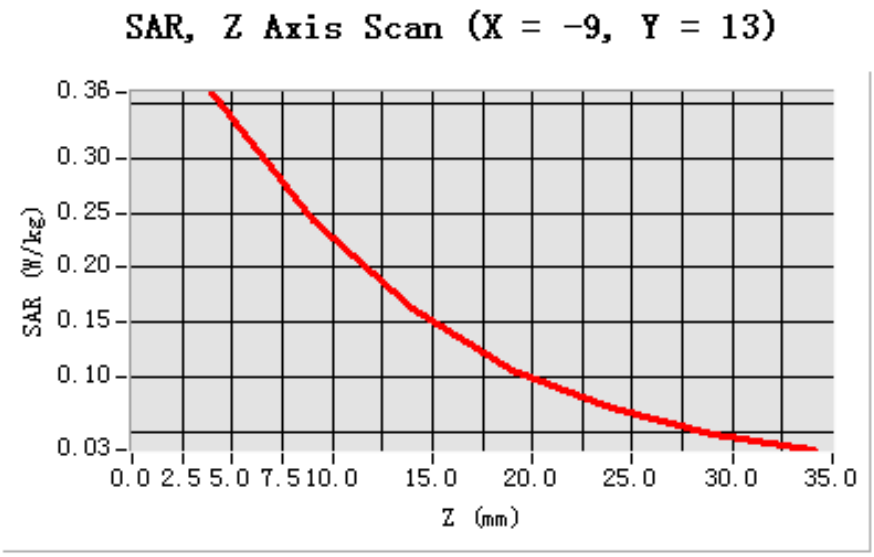
VOLUME SAR



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

SAR 10g (W/Kg)	0.510125
SAR 1g (W/Kg)	0.257362

Z Axis Scan



MEASUREMENT 3

Date of measurement: 12/9/2010

Area Scan: 7 x 7 x 1 **dx=15mm** **dy=15mm**

Zoom Scan: 5 x 5 x 7 **dx=5mm** **dy=5mm** **dz=5mm**

Z Axis Scan: 1 x 1 x 21 **dx=20mm** **dy=20mm** **dz=5mm**

A. Experimental conditions.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Body
Device Position	Face Down toward phantom
Band	GPRS1900
Channels	High
Signal	GPRS

B. Instrumentations.

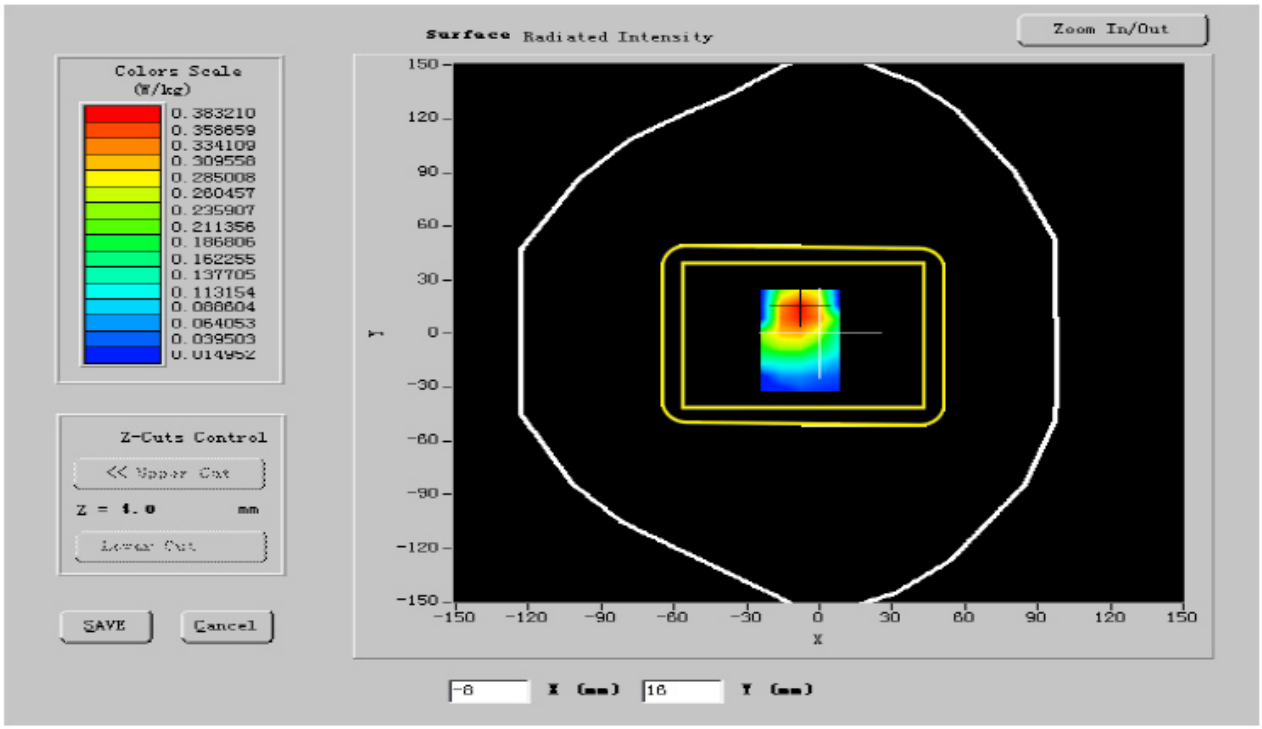
PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35,SN 48/05)**	**Calibration Due: 02/09/2012**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

C. SAR Measurement Results

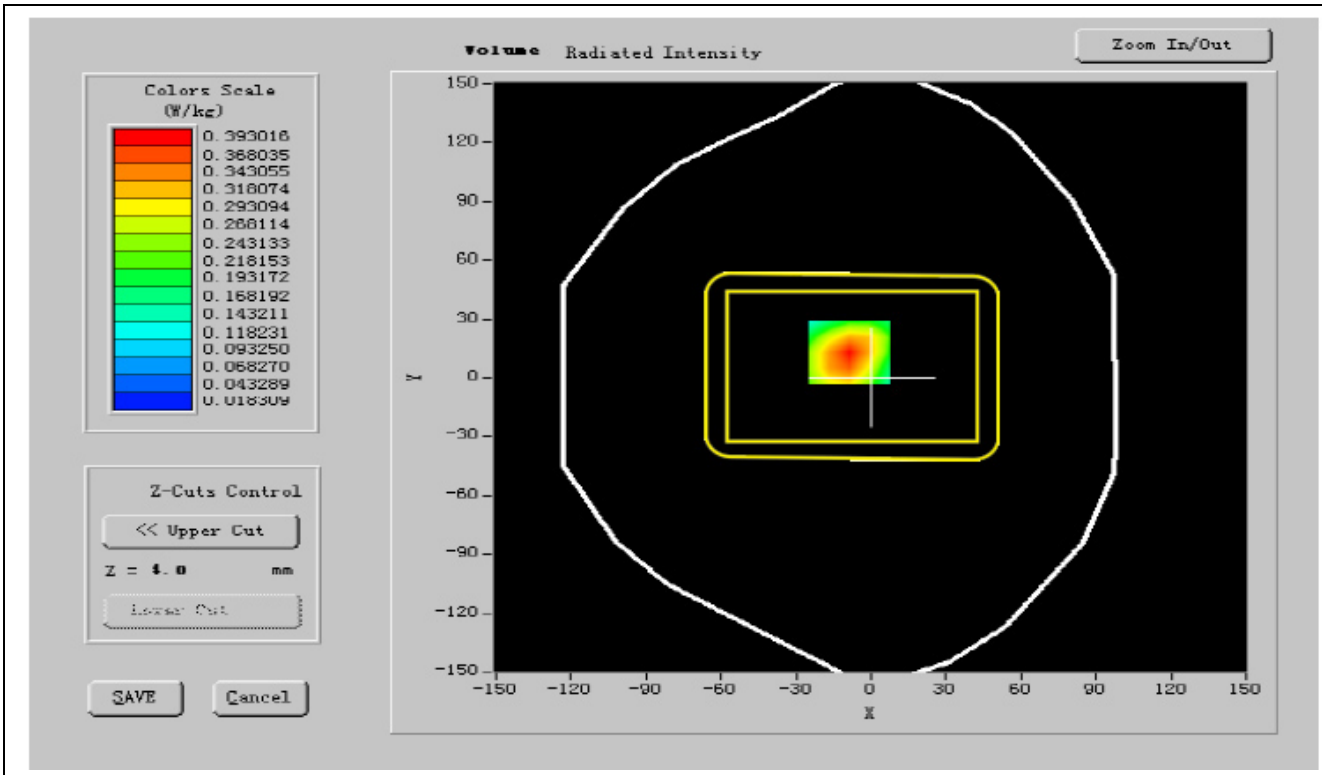
Frequency (MHz)	**1910.000000**
Relative permitivity (real part)	**50.24995**
Relative permitivity (imaginary part)	**16.249500**
Conductivity (S/m)	**1.210150**
Variation (%)	**-0.600000**
Ambient Temperature:	**21 °C**

Liquid Temperature:	**20.3 °C**
ConvF:	**40.42, 41.12, 54.75**
Crest factor:	**1:8**

SURFACE SAR



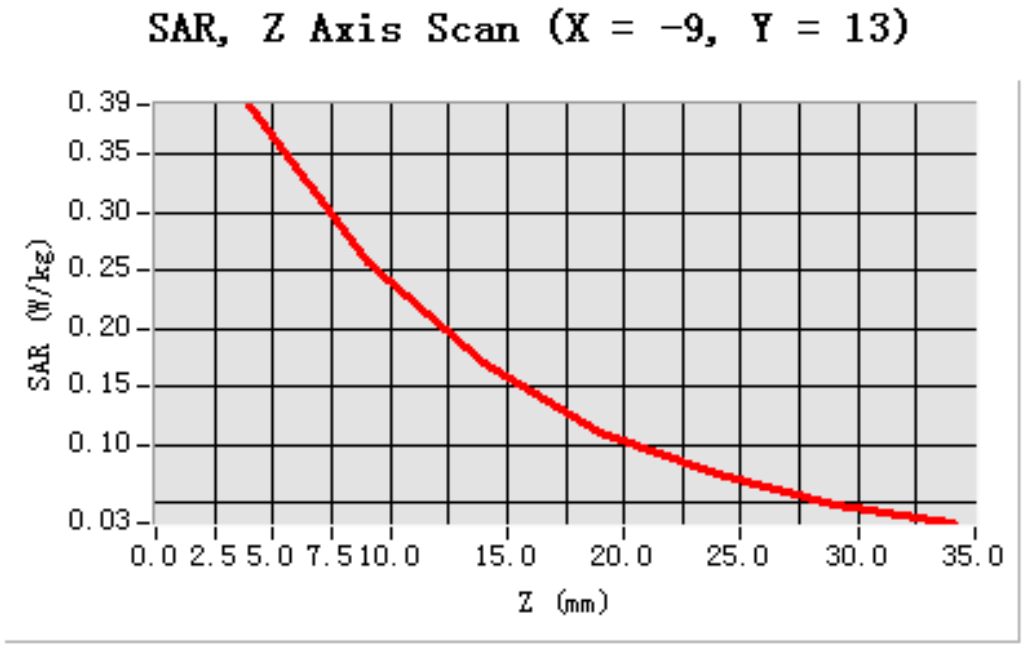
VOLUME SAR



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

SAR 10g (W/Kg)	0.526702
SAR 1g (W/Kg)	0.220364

Z Axis Scan



MEASUREMENT 4

Date of measurement: 12/9/2010

Area Scan: 7 x 7 x 1 dx=15mm dy=15mm

Zoom Scan: 5 x 5 x 7 dx=5mm dy=5mm dz=5mm

Z Axis Scan: 1 x 1 x 21 dx=20mm dy=20mm dz=5mm

A. Experimental conditions.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Body
Device Position	Face UP toward phantom
Band	GPRS1900
Channels	High
Signal	GPRS

B. Instrumentations.

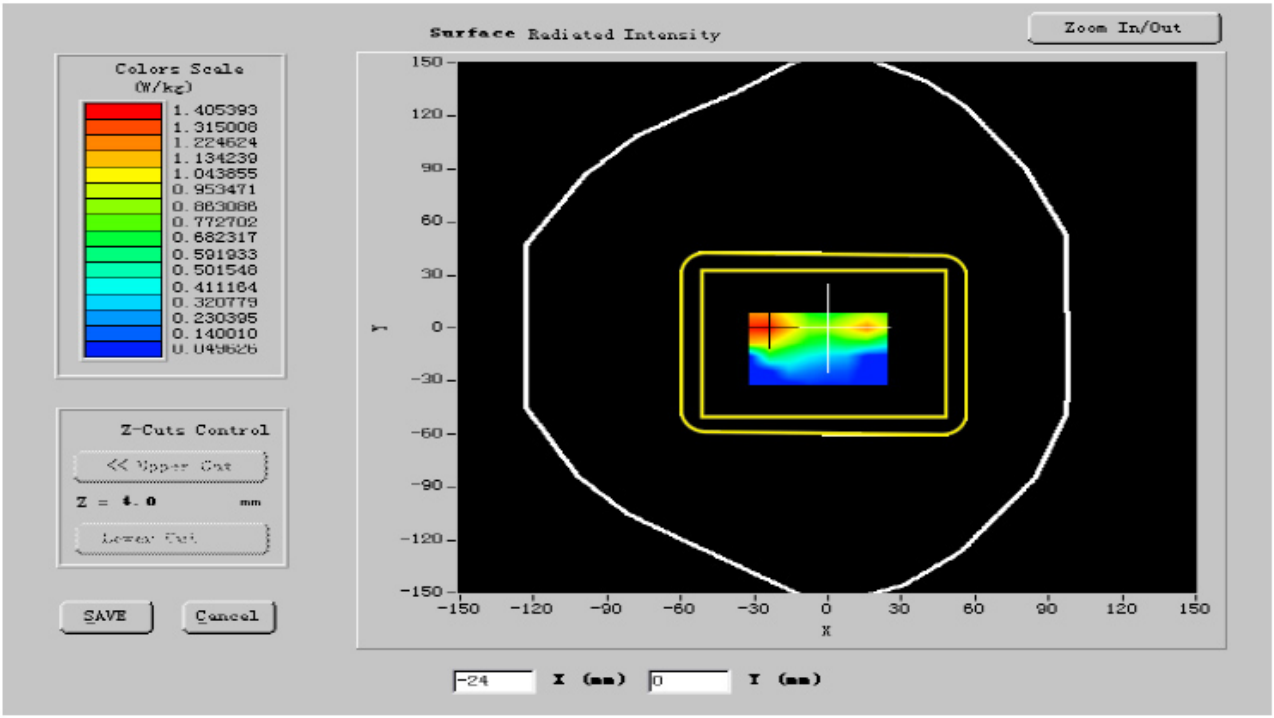
PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35,SN 48/05)**	**Calibration Due: 02/09/2012**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

C. SAR Measurement Results

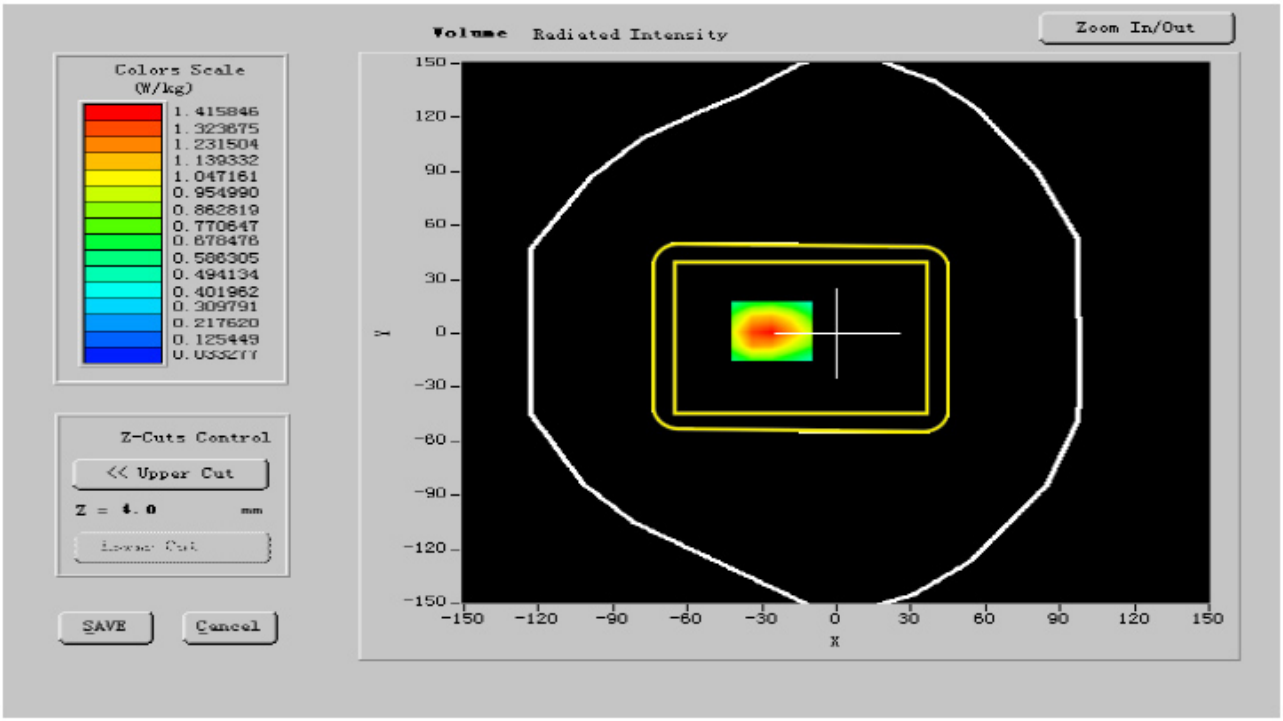
Frequency (MHz)	**1910.000000**
Relative permitivity (real part)	**51.260200**
Relative permitivity (imaginary part)	**16.030635**
Conductivity (S/m)	**1.203664**
Variation (%)	**-0.400000**
Ambient Temperature:	**21 °C**

Liquid Temperature:	**20.3 °C**
ConvF:	**40.42, 41.12, 54.75**
Crest factor:	**1:2**

SURFACE SAR



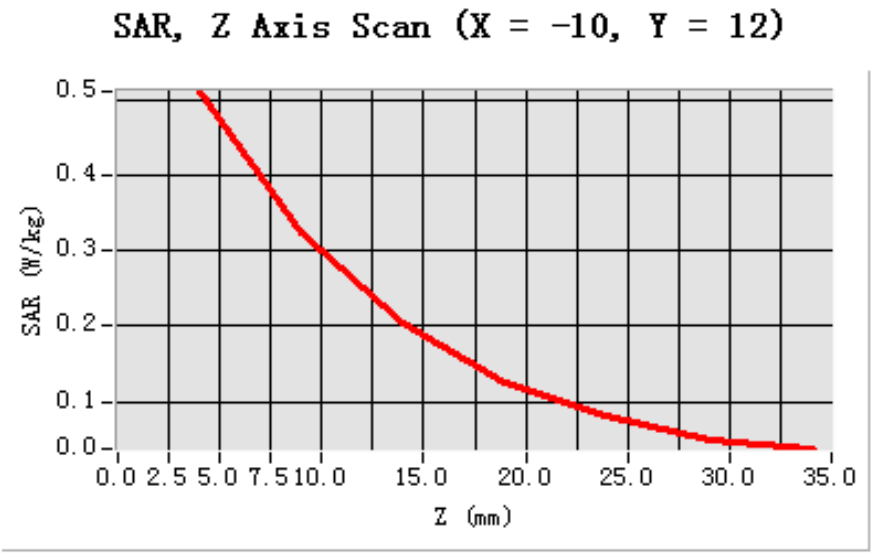
VOLUME SAR



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

SAR 10g (W/Kg)	0.540215
SAR 1g (W/Kg)	0.230312

Z Axis Scan



MEASUREMENT 5

Date of measurement: 12/9/2010

Area Scan: 7 x 7 x 1 **dx=15mm** **dy=15mm**

Zoom Scan: 5 x 5 x 7 **dx=5mm** **dy=5mm** **dz=5mm**

Z Axis Scan: 1 x 1 x 21 **dx=20mm** **dy=20mm** **dz=5mm**

A. Experimental conditions.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Body
Device Position	Left edge toward phantom
Band	GSM1900
Channels	High
Signal	GSM

B. Instrumentations.

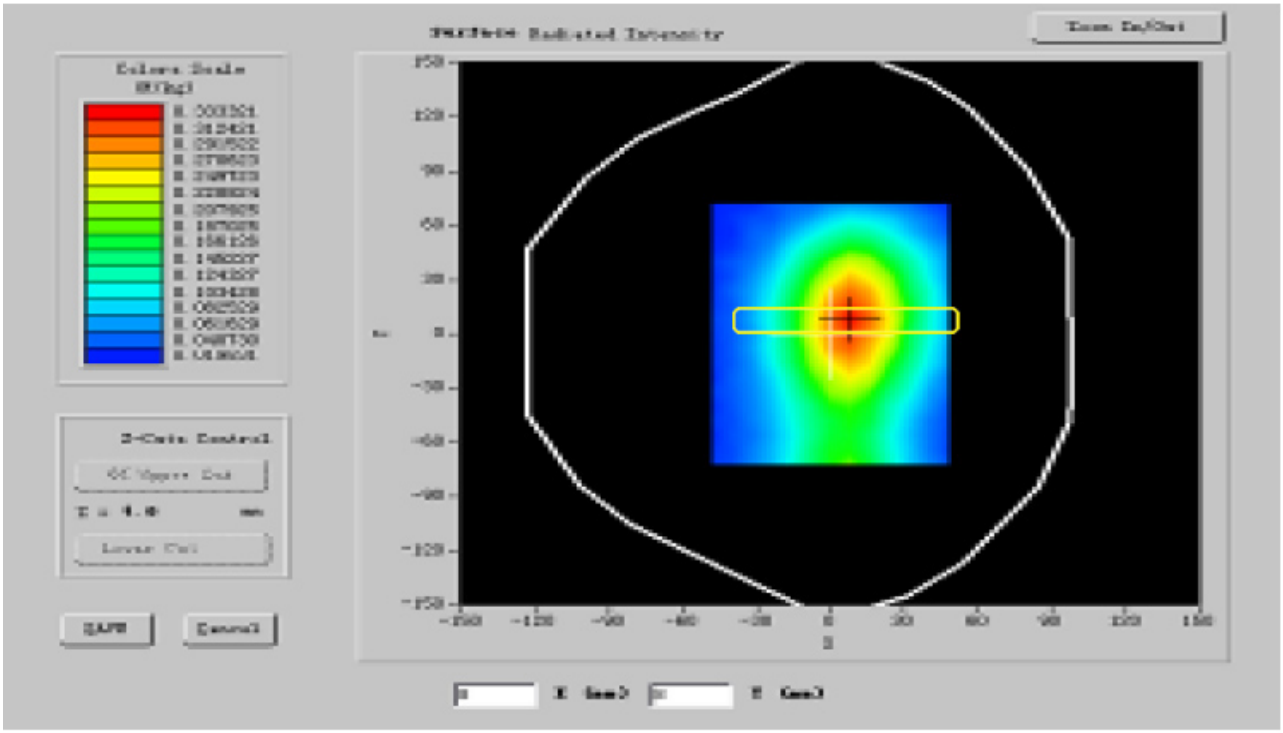
PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35,SN 48/05)**	**Calibration Due: 02/09/2012**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

C. SAR Measurement Results

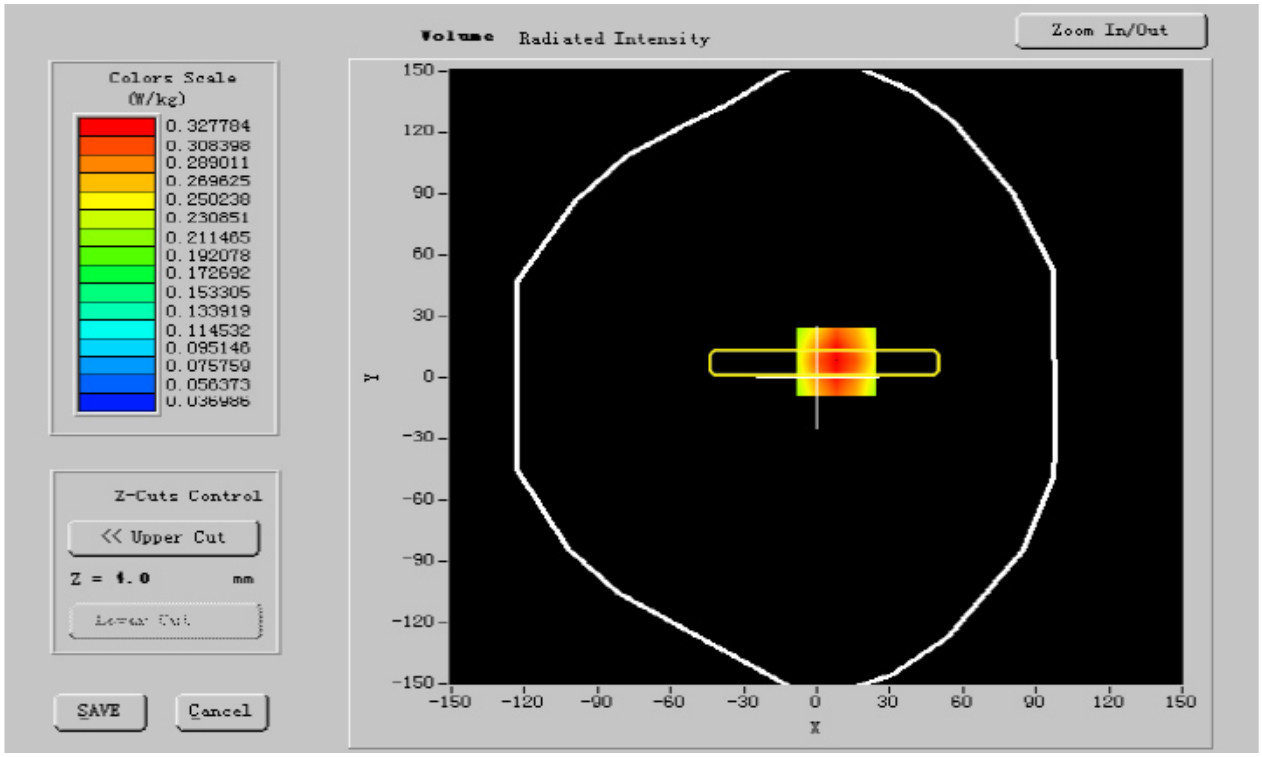
Frequency (MHz)	**1910.000000**
Relative permitivity (real part)	**53.015024**
Relative permitivity (imaginary part)	**16.053504**
Conductivity (S/m)	**1.014284**
Variation (%)	**-1.010000**
Ambient Temperature:	**21 °C**

Liquid Temperature:	**20.3°C**
ConvF:	**40.42, 41.12, 54.75**
Crest factor：	**1:2**

SURFACE SAR



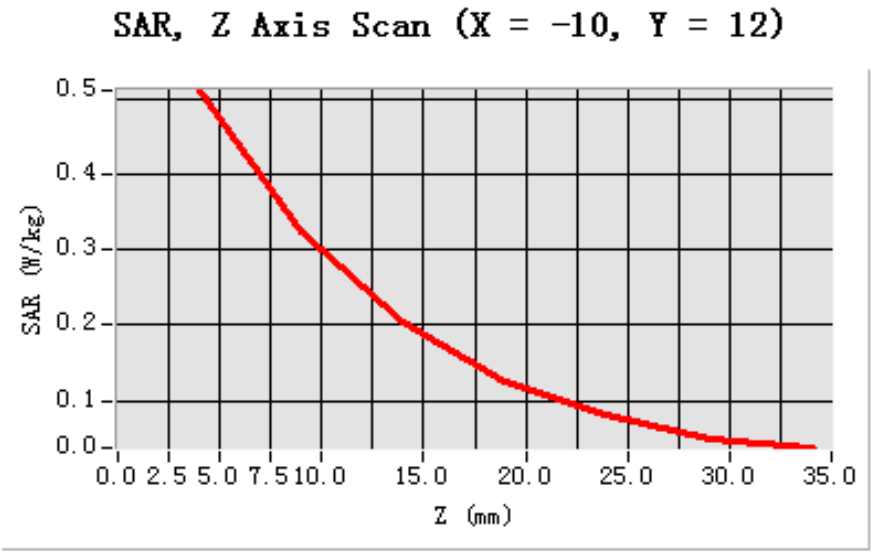
VOLUME SAR



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

SAR 10g (W/Kg)	0.430232
SAR 1g (W/Kg)	0.280144

Z Axis Scan



MEASUREMENT 6

Date of measurement: 12/9/2010

Area Scan: 7 x 7 x 1 **dx=15mm** **dy=15mm**

Zoom Scan: 5 x 5 x 7 **dx=5mm** **dy=5mm** **dz=5mm**

Z Axis Scan: 1 x 1 x 21 **dx=20mm** **dy=20mm** **dz=5mm**

A. Experimental conditions.

Phantom File	zinf15.txt, Adaptative 2 max
Phantom	Body
Device Position	Right edge toward phantom
Band	GSM1900
Channels	High
Signal	GSM

B. Instrumentations.

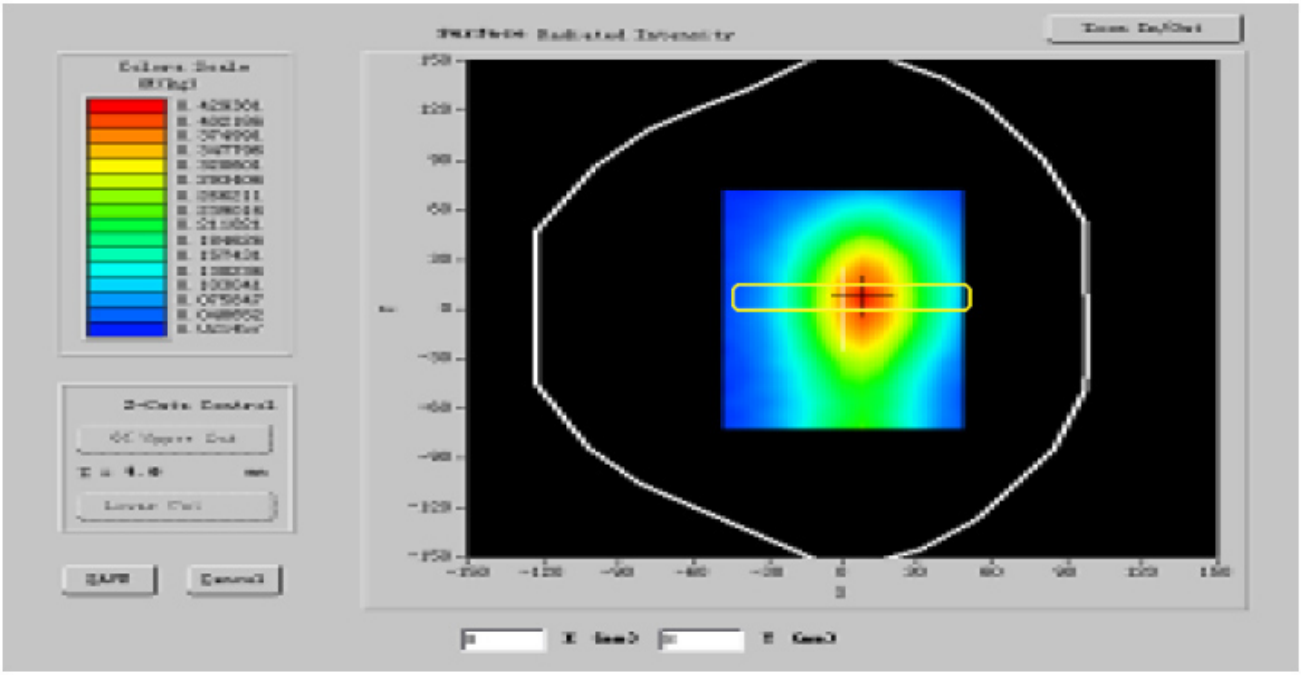
PC	**HP (Pentium(R) V3.06GHz, SN:375052-AA1)**	**Calibration Due: N/A**
Wireless Communication Test Set	**R&S (CMU200, SN:B23-03291)**	**Calibration Due: 05/25/2011**
Network Analyzer	**Agilent(E5071B, MY42301382)**	**Calibration Due: 03/24/2011**
Voltmeter	**Keithley (2000, SN:1015843)**	**Calibration Due: 05/25/2011**
Signal Generator	**Agilent (E8257C, SN:MY43321570)**	**Calibration Due: 03/24/2011**
Amplifier	**Mini-Circuits (ZHL-42, SN:110405)**	**Calibration Due: 07/29/2011**
Power Meter	**Agilent (E4416A, SN:QB41292714)**	**Calibration Due: 03/24/2011**
Probe	**Antennessa (SN:SN_1109_EP_100)**	**Calibration Due: 05/04/2011**
DIPOLE 1900	**Antennessa (DIPG35,SN 48/05)**	**Calibration Due: 02/09/2012**
Phantom	**Antennessa (SN:SN41_05_SAM29)**	**Calibration Due: N/A**
Liquid	**Antennessa**	**Calibration Due: N/A**
Measurement SW	**OPEN SAR V2.1**	**Calibration Due: N/A**

C. SAR Measurement Results

Frequency (MHz)	**1910.000000**
Relative permitivity (real part)	**50.213852**
Relative permitivity (imaginary part)	**16.240246**
Conductivity (S/m)	**1.013224**
Variation (%)	**-0.130000**
Ambient Temperature:	**21 °C**

Liquid Temperature:	**20.3 °C**
ConvF:	**40.42, 41.12, 54.75**
Crest factor:	**1:2**

SURFACE SAR



VOLUME SAR