

II. 1900MHz Band RESULTS

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



Report No: KS110120B01-SF

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 dy=20mm dx=20mmdz=5mm

A. Experimental conditions.

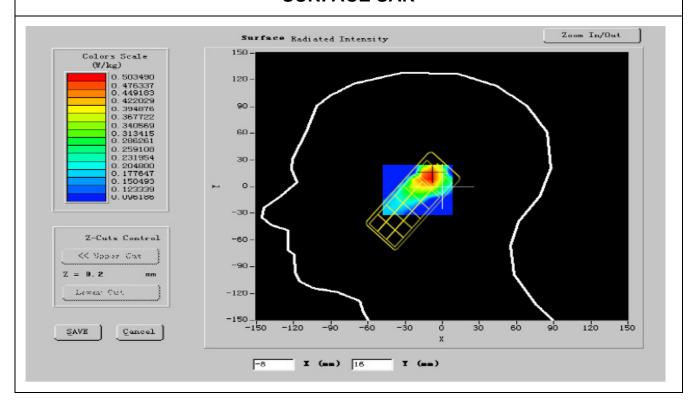
Phantom File	zinf15.txt, Adaptative 2 max	
Phantom	Right head	
Device Position	Cheek	
Band	GSM1900	
Channels	Low	
Signal	GSM	

PC	HP (Pentium(R) V3.06GHz,	Calibration Due: N/A
	SN:375052-AA1)	
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,	Calibration Due: 03/24/2012
	SN:MY43321570)	
Amplifier	Mini-Circuits (ZHL-42,	Calibration Due: 07/29/2011
	SN:110405)	
Power Meter	Agilent (E4416A,	Calibration Due: 03/24/2012
	SN:QB41292714)	
Probe	Antennessa	Calibration Due: 05/10/2011
	(SN:SN_1109_EP_100)	
DIPOLE 1900	Antennessa (DIPI36, SN 48/05	Calibration Due: 02/09/2012
Phantom	Antennessa	Calibration Due: N/A
	(SN:SN41_05_SAM29)	
Liquid	Antennessa	Calibration Due: N/A
Measurement SW	OPEN SAR V2.1	Calibration Due: N/A



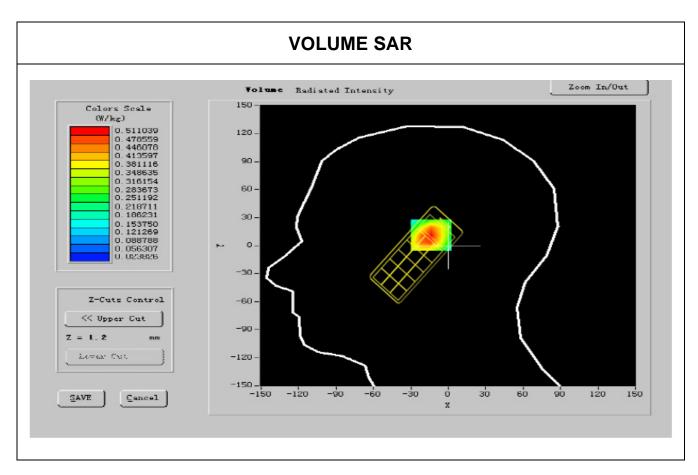
Frequency (MHz)	1850.400024	
Relative permitivity (real part)	41.0133000	
Relative permitivity (imaginary part)	13.584900	
Conductivity (S/m)	1.560427	
Variation (%)	-1.540000	
Ambient Temperature:	21 °C	
Liquid Temperature:	20 °C	
ConvF:	41.91, 43.15, 56.44	
Crest factor:	1:8	

Report No: KS110120B01-SF









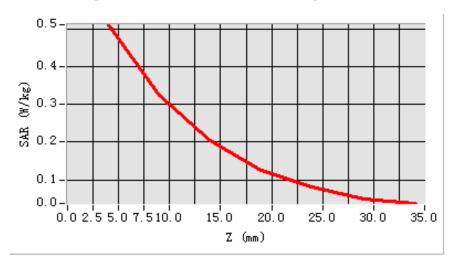
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.247612
SAR 1g (W/Kg)	0.416482

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0 0000	0.4722	0.2422	0.4904	0.4224	0.0697	0.0004
(W/kg)	0.0000	0.4733	0.3122	0.1894	0.1224	0.0687	0.0081



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





Report No: KS110120B01-SF

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.

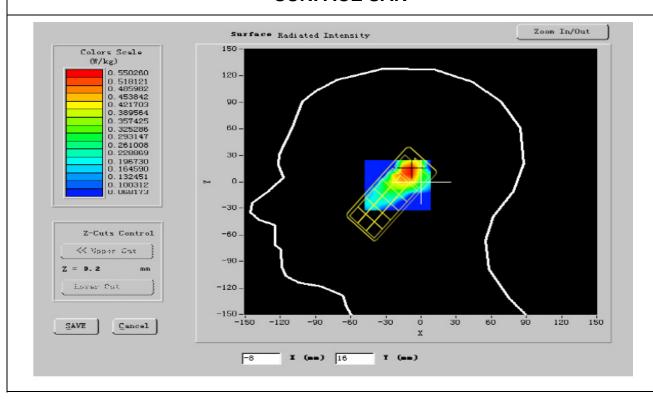
Phantom File	zinf15.txt, Adaptative 2 max	
Phantom	Right head	
Device Position	Cheek	
Band	GSM1900	
Channels	Middle	
Signal	GSM	

PC	HP (Pentium(R) V3.06GHz,	Calibration Due: N/A
	SN:375052-AA1)	
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,	Calibration Due: 03/24/2012
	SN:MY43321570)	
Amplifier	Mini-Circuits (ZHL-42,	Calibration Due: 07/29/2011
	SN:110405)	
Power Meter	Agilent (E4416A,	Calibration Due: 03/24/2012
	SN:QB41292714)	
Probe	Antennessa	Calibration Due: 05/10/2011
	(SN:SN_1109_EP_100)	
DIPOLE 1900	Antennessa (DIPI36, SN 48/05	Calibration Due: 02/09/2012
Phantom	Antennessa	Calibration Due: N/A
	(SN:SN41_05_SAM29)	
Liquid	Antennessa	Calibration Due: N/A
Measurement SW	OPEN SAR V2.1	Calibration Due: N/A

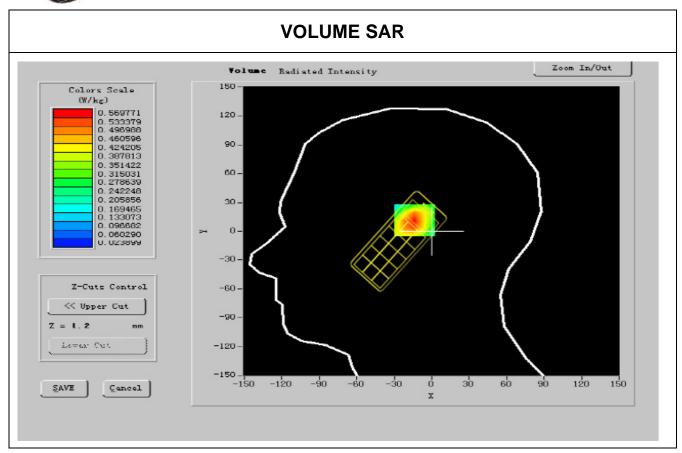


Frequency (MHz)	1880.00000
Relative permitivity (real part)	40.025001
Relative permitivity (imaginary part)	13.813800
Conductivity (S/m)	1.3482768
Variation (%)	-0.150000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	41.91, 43.15, 56.44
Crest factor:	1:8

Report No: KS110120B01-SF



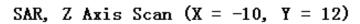


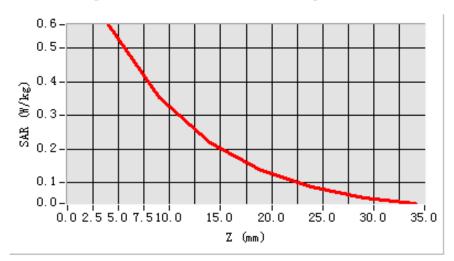


Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.354012
SAR 1g (W/Kg)	0.502476

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.5454	0 2222	0.2204	0.4424	0.0790	0.0024
(W/kg)	0.0000	0.5154	0.3322	0.2294	0.1424	0.0789	0.0031







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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.

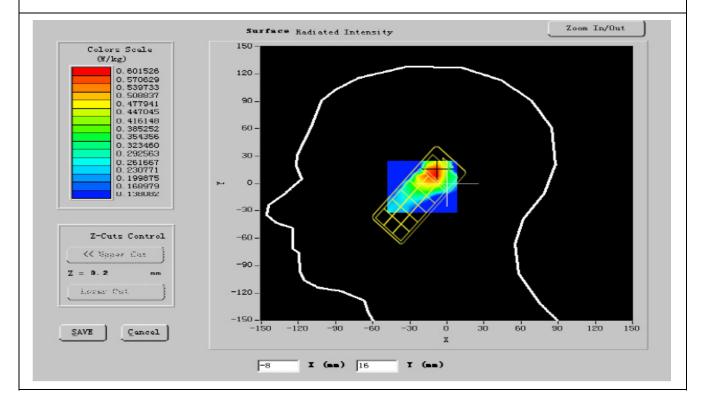
Phantom File	zinf15.txt, Adaptative 2 max	
Phantom	Right head	
Device Position	Cheek	
Band	GSM1900	
Channels	High	
Signal	GSM	

PC	HP (Pentium(R) V3.06GHz,	Calibration Due: N/A
	SN:375052-AA1)	
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,	Calibration Due: 03/24/2012
	SN:MY43321570)	
Amplifier	Mini-Circuits (ZHL-42,	Calibration Due: 07/29/2011
	SN:110405)	
Power Meter	Agilent (E4416A,	Calibration Due: 03/24/2012
	SN:QB41292714)	
Probe	Antennessa	Calibration Due: 05/10/2011
	(SN:SN_1109_EP_100)	
DIPOLE 1900	Antennessa (DIPI36, SN 48/05	Calibration Due: 02/09/2012
Phantom	Antennessa	Calibration Due: N/A
	(SN:SN41_05_SAM29)	
Liquid	Antennessa	Calibration Due: N/A
Measurement SW	OPEN SAR V2.1	Calibration Due: N/A



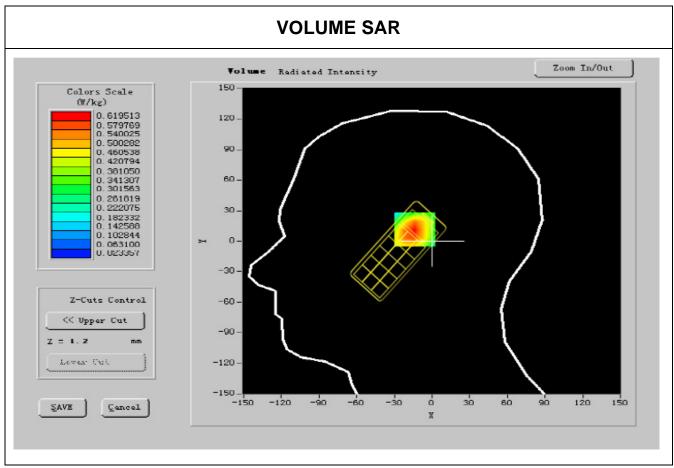
Frequency (MHz)	1909.599976
Relative permitivity (real part)	40.761999
Relative permitivity (imaginary part)	13.669900
Conductivity (S/m)	1.420413
Variation (%)	-0.187000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	41.91, 43.15, 56.44
Crest factor:	1:8

Report No: KS110120B01-SF









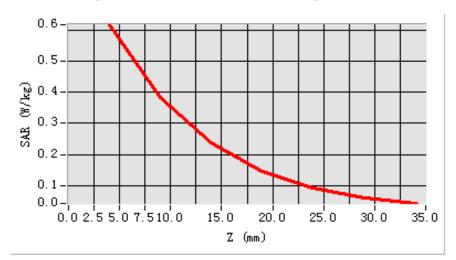
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.315497
SAR 1g (W/Kg)	0.527801

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0 F726	0.2422	0.2264	0.4724	0.0000	0 0024
(W/kg)	0.0000	0.5736	0.3422	0.2264	0.1724	0.0889	0.0021



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





Report No: KS110120B01-SF

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.

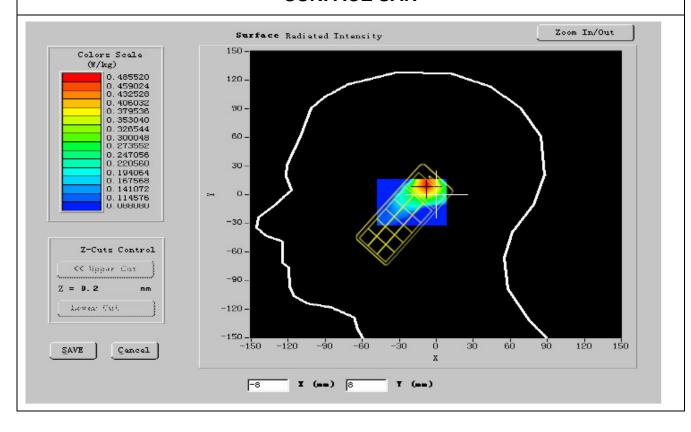
Phantom File	zinf15.txt, Adaptative 2 max	
Phantom	Right head	
Device Position	Tilt	
Band GSM1900		
Channels	Low	
Signal GSM		

PC	HP (Pentium(R) V3.06GHz,	Calibration Due: N/A
	SN:375052-AA1)	
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,	Calibration Due: 03/24/2012
	SN:MY43321570)	
Amplifier	Mini-Circuits (ZHL-42,	Calibration Due: 07/29/2011
	SN:110405)	
Power Meter	Agilent (E4416A,	Calibration Due: 03/24/2012
	SN:QB41292714)	
Probe	Antennessa	Calibration Due: 05/10/2011
	(SN:SN_1109_EP_100)	
DIPOLE 1900	Antennessa (DIPI36, SN 48/05	Calibration Due: 02/09/2012
Phantom	Antennessa	Calibration Due: N/A
	(SN:SN41_05_SAM29)	
Liquid	Antennessa	Calibration Due: N/A
Measurement SW	OPEN SAR V2.1	Calibration Due: N/A

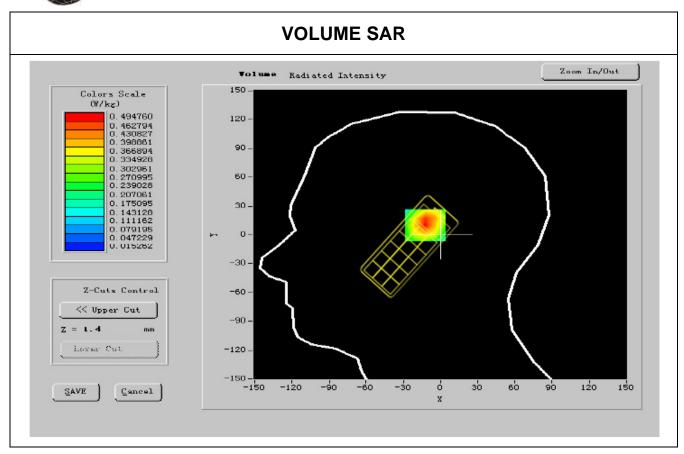


Frequency (MHz)	1850.400024
Relative permitivity (real part)	41.056000
Relative permitivity (imaginary part)	13.584900
Conductivity (S/m)	1.346657
Variation (%)	-1.560000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	41.91, 43.15, 56.44
Crest factor:	1:8

Report No: KS110120B01-SF





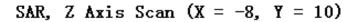


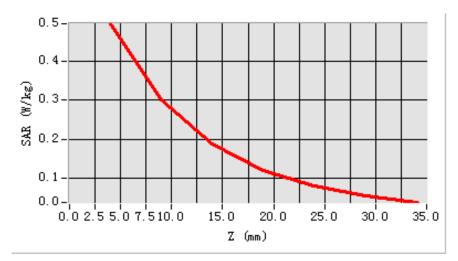
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.26710
SAR 1g (W/Kg)	0.41351

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.4562	0.2022	0.4964	0.4424	0.0707	0 0011
(W/kg)	0.0000	0.4563	0.2922	0.1864	0.1124	0.0787	0.0011









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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.

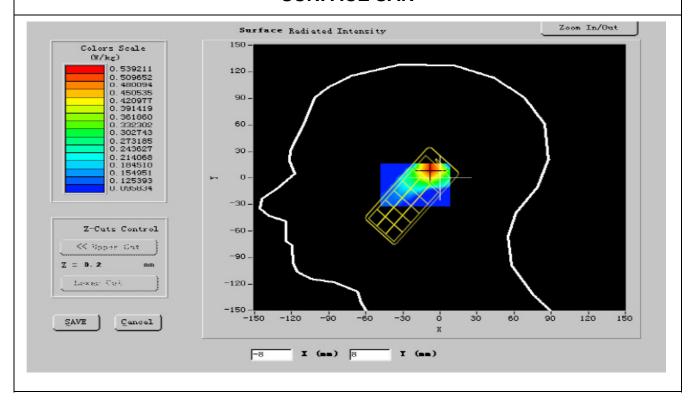
Phantom File	zinf15.txt, Adaptative 2 max	
Phantom	Right head	
Device Position	Tilt	
Band GSM1900		
Channels	Middle	
Signal GSM		

PC	HP (Pentium(R) V3.06GHz,	Calibration Due: N/A
	SN:375052-AA1)	
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,	Calibration Due: 03/24/2012
	SN:MY43321570)	
Amplifier	Mini-Circuits (ZHL-42,	Calibration Due: 07/29/2011
	SN:110405)	
Power Meter	Agilent (E4416A,	Calibration Due: 03/24/2012
	SN:QB41292714)	
Probe	Antennessa	Calibration Due: 05/10/2011
	(SN:SN_1109_EP_100)	
DIPOLE 1900	Antennessa (DIPI36, SN 48/05	Calibration Due: 02/09/2012
Phantom	Antennessa	Calibration Due: N/A
	(SN:SN41_05_SAM29)	
Liquid	Antennessa	Calibration Due: N/A
Measurement SW	OPEN SAR V2.1	Calibration Due: N/A



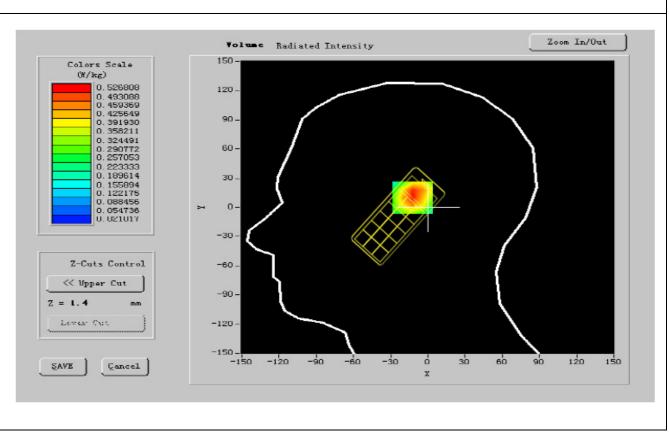
Frequency (MHz)	1880.00000
Relative permitivity (real part)	40.264004
Relative permitivity (imaginary part)	13.813800
Conductivity (S/m)	1.546124
Variation (%)	-0.620047
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	41.91, 43.15, 56.44
Crest factor:	1:8

Report No: KS110120B01-SF







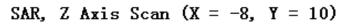


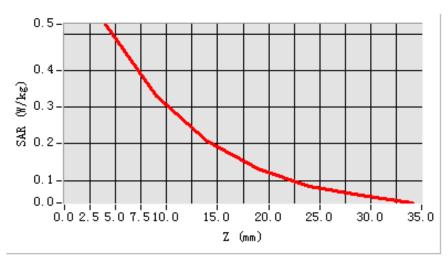
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.304524	
SAR 1g (W/Kg)	0.452466	

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.4040	0.3633	0.2064	0.4224	0.0007	0 0411
(W/kg)	0.0000	0.4818	0.3622	0.2064	0.1324	0.0887	0.0411









Report No: KS110120B01-SF

Date of measurement: 04/14/2011

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

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

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

A. Experimental conditions.

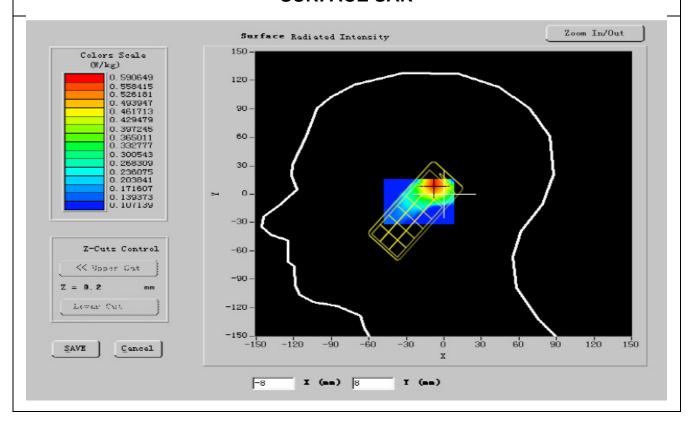
Phantom File	zinf15.txt, Adaptative 2 max		
Phantom	Right head		
Device Position	Tilt		
Band	GSM1900		
Channels	High		
Signal	GSM		

PC	HP (Pentium(R) V3.06GHz,	Calibration Due: N/A
	SN:375052-AA1)	
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,	Calibration Due: 03/24/2012
	SN:MY43321570)	
Amplifier	Mini-Circuits (ZHL-42,	Calibration Due: 07/29/2011
	SN:110405)	
Power Meter	Agilent (E4416A,	Calibration Due: 03/24/2012
	SN:QB41292714)	
Probe	Antennessa	Calibration Due: 05/10/2011
	(SN:SN_1109_EP_100)	
DIPOLE 1900	Antennessa (DIPI36, SN 48/05	Calibration Due: 02/09/2012
Phantom	Antennessa	Calibration Due: N/A
	(SN:SN41_05_SAM29)	
Liquid	Antennessa	Calibration Due: N/A
Measurement SW	OPEN SAR V2.1	Calibration Due: N/A
		•

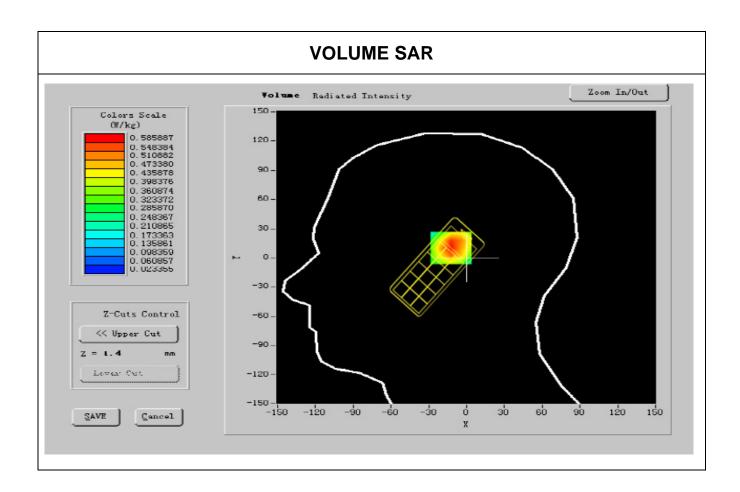


Frequency (MHz)	1909.599976		
Relative permitivity (real part)	40.575995		
Relative permitivity (imaginary part)	13.669900		
Conductivity (S/m)	1.751224		
Variation (%)	-1.412000		
Ambient Temperature:	21 °C		
Liquid Temperature:	20 °C		
ConvF:	41.91, 43.15, 56.44		
Crest factor:	1:8		

Report No: KS110120B01-SF





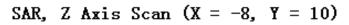


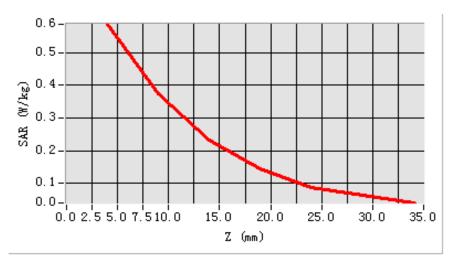
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.324134	
SAR 1g (W/Kg)	0.543714	

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.5250	0.2622	0.2064	0.4224	0.0064	0.0422
(W/kg)	0.0000	0.5359	0.3622	0.2064	0.1324	0.0864	0.0432









Date of measurement: 04/14/2011

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

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

MEASUREMENT 7

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

A. Experimental conditions.

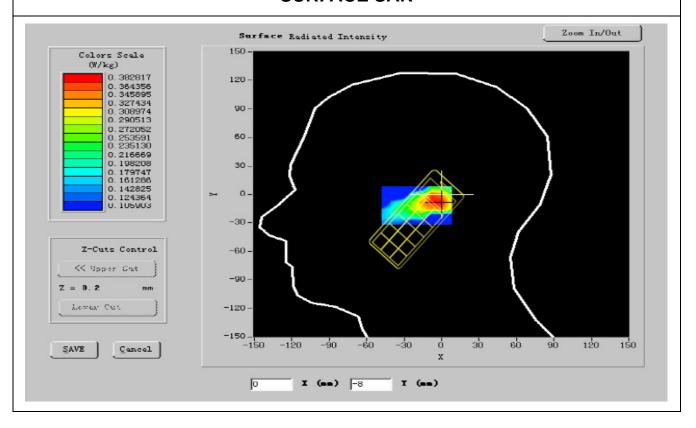
Phantom File	zinf15.txt, Adaptative 2 max		
Phantom	Left head		
Device Position	Cheek		
Band	GSM1900		
Channels	Low		
Signal	GSM		

HP (Pentium(R) V3.06GHz,	Calibration Due: N/A
SN:375052-AA1)	
R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Agilent (E8257C,	Calibration Due: 03/24/2012
SN:MY43321570)	
Mini-Circuits (ZHL-42,	Calibration Due: 07/29/2011
SN:110405)	
Agilent (E4416A,	Calibration Due: 03/24/2012
SN:QB41292714)	
Antennessa	Calibration Due: 05/10/2011
(SN:SN_1109_EP_100)	
Antennessa (DIPI36, SN 48/05	Calibration Due: 02/09/2012
Antennessa	Calibration Due: N/A
(SN:SN41_05_SAM29)	
Antennessa	Calibration Due: N/A
OPEN SAR V2.1	Calibration Due: N/A
	R&S (CMU200, SN:B23-03291) Agilent(E5071B, MY42301382) Keithley (2000, SN:1015843) Agilent (E8257C, SN:MY43321570) Mini-Circuits (ZHL-42, SN:110405) Agilent (E4416A, SN:QB41292714) Antennessa (SN:SN_1109_EP_100) Antennessa (DIPI36, SN 48/05 Antennessa (SN:SN41_05_SAM29) Antennessa



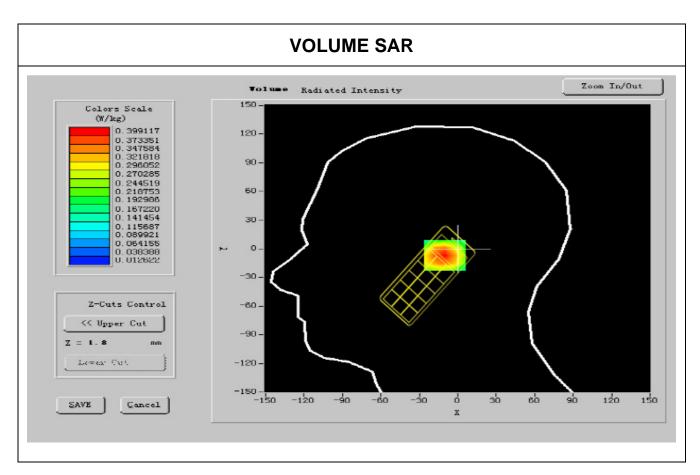
Frequency (MHz)	1850.400024		
Relative permitivity (real part)	40.526004		
Relative permitivity (imaginary part)	13.584900		
Conductivity (S/m)	1.254531		
Variation (%)	0.257000		
Ambient Temperature:	21 °C		
Liquid Temperature:	20 °C		
ConvF:	41.91, 43.15, 56.44		
Crest factor:	1:8		

Report No: KS110120B01-SF







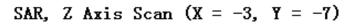


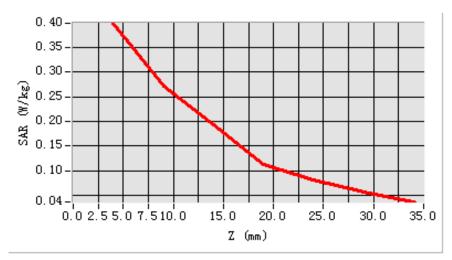
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.261624		
SAR 1g (W/Kg)	0.343561		

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0 0000	0.2640	0.2622	0.4764	0.4534	0.0764	0.0476
(W/kg)	0.0000	0.3610	0.2622	0.1764	0.1524	0.0764	0.0476









Report No: KS110120B01-SF

Date of measurement: 04/14/2011

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

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

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

A. Experimental conditions.

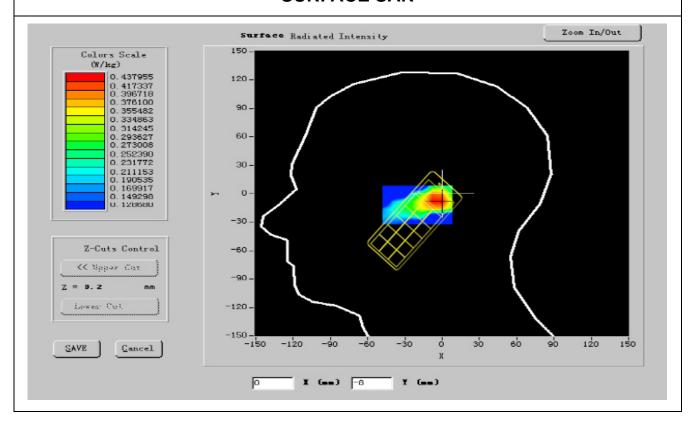
Phantom File	zinf15.txt, Adaptative 2 max		
Phantom	Left head		
Device Position	Cheek		
Band	GSM1900		
Channels	Middle		
Signal	GSM		

HP (Pentium(R) V3.06GHz,	Calibration Due: N/A
SN:375052-AA1)	
R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2012
Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Agilent (E8257C,	Calibration Due: 03/24/2012
SN:MY43321570)	
Mini-Circuits (ZHL-42,	Calibration Due: 07/29/2011
SN:110405)	
Agilent (E4416A,	Calibration Due: 03/24/2012
SN:QB41292714)	
Antennessa	Calibration Due: 05/10/2011
(SN:SN_1109_EP_100)	
Antennessa (DIPI36, SN 48/05	Calibration Due: 02/09/2012
Antennessa	Calibration Due: N/A
(SN:SN41_05_SAM29)	
Antennessa	Calibration Due: N/A
OPEN SAR V2.1	Calibration Due: N/A
	R&S (CMU200, SN:B23-03291) Agilent(E5071B, MY42301382) Keithley (2000, SN:1015843) Agilent (E8257C, SN:MY43321570) Mini-Circuits (ZHL-42, SN:110405) Agilent (E4416A, SN:QB41292714) Antennessa (SN:SN_1109_EP_100) Antennessa (DIPI36, SN 48/05 Antennessa (SN:SN41_05_SAM29) Antennessa



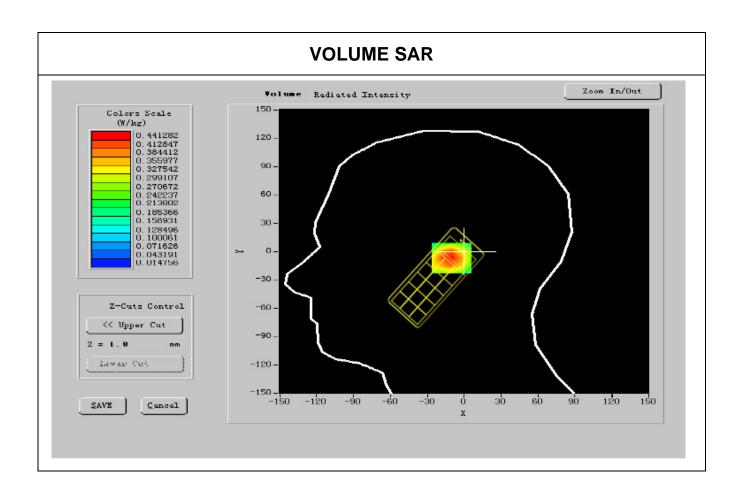
Frequency (MHz)	1880.000000		
Relative permitivity (real part)	40.256004		
Relative permitivity (imaginary part)	13.813800		
Conductivity (S/m)	1.272324		
Variation (%)	1.160000		
Ambient Temperature:	21 °C		
Liquid Temperature:	20 °C		
ConvF:	41.91, 43.15, 56.44		
Crest factor:	1:8		

Report No: KS110120B01-SF







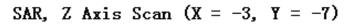


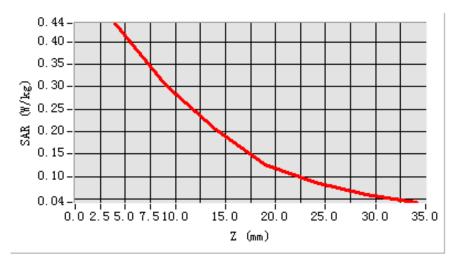
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.224662
SAR 1g (W/Kg)	0.376846

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0 0000	0.4222	0.2622	0.4764	0.4224	0.0664	0 0444
(W/kg)	0.0000	0.4233	0.2622	0.1764	0.1324	0.0664	0.0444









Report No: KS110120B01-SF

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.

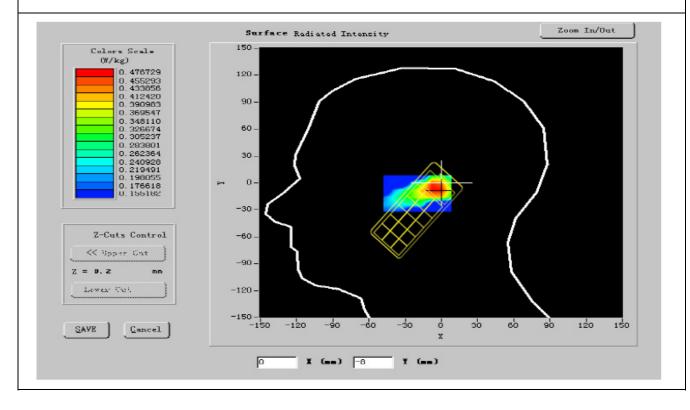
Phantom File	zinf15.txt, Adaptative 2 max		
Phantom	Left head		
Device Position	Cheek		
Band	GSM1900		
Channels	High		
Signal GSM			

PC	HP (Pentium(R) V3.06GHz,	Calibration Due: N/A	
	SN:375052-AA1)		
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,	Calibration Due: 03/24/2012	
	SN:MY43321570)		
Amplifier	Mini-Circuits (ZHL-42,	Calibration Due: 07/29/2011	
	SN:110405)		
Power Meter	Agilent (E4416A,	Calibration Due: 03/24/2012	
	SN:QB41292714)		
Probe	Antennessa	Calibration Due: 05/10/2011	
	(SN:SN_1109_EP_100)		
DIPOLE 1900	Antennessa (DIPI36, SN 48/05	Calibration Due: 02/09/2012	
Phantom	Antennessa	Calibration Due: N/A	
	(SN:SN41_05_SAM29)		
Liquid	Antennessa	Calibration Due: N/A	
Measurement SW	OPEN SAR V2.1	Calibration Due: N/A	

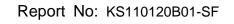


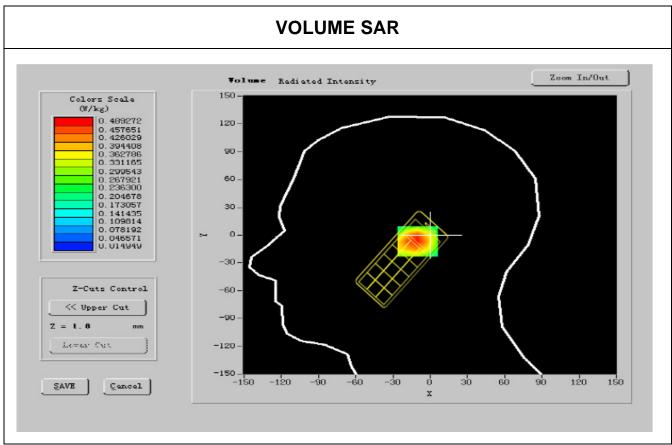
Frequency (MHz)	1909.599976
Relative permitivity (real part)	41.031924
Relative permitivity (imaginary part)	13.669900
Conductivity (S/m)	1.250143
Variation (%)	0.243400
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	41.91, 43.15, 56.44
Crest factor:	1:8

Report No: KS110120B01-SF







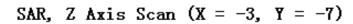


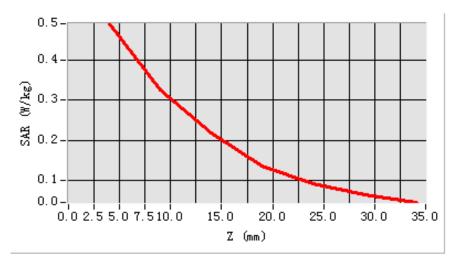
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.32134	
SAR 1g (W/Kg)	0.42012	

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.4400	0 2222	0.2464	0.4004	0.0064	0.0254
(W/kg)	0.0000	0.4490	0.3222	0.2164	0.1824	0.0864	0.0354









Report No: KS110120B01-SF

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.

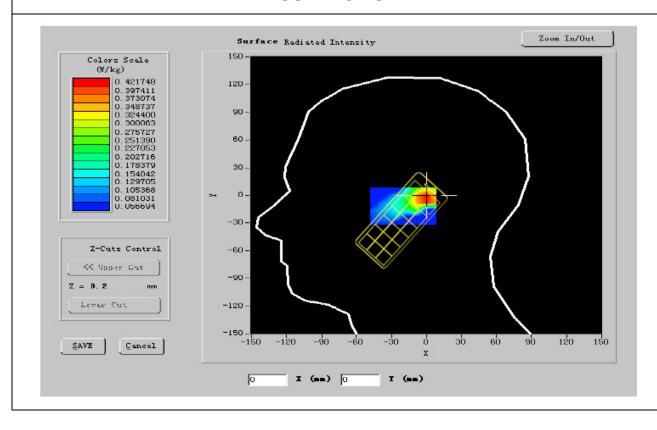
Phantom File	zinf15.txt, Adaptative 2 max		
Phantom	Left head		
Device Position	Tilt		
Band	GSM1900		
Channels	Low		
Signal	GSM		

PC	HP (Pentium(R) V3.06GHz,	Calibration Due: N/A
	SN:375052-AA1)	
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,	Calibration Due: 03/24/2012
	SN:MY43321570)	
Amplifier	Mini-Circuits (ZHL-42,	Calibration Due: 07/29/2011
	SN:110405)	
Power Meter	Agilent (E4416A,	Calibration Due: 03/24/2012
	SN:QB41292714)	
Probe	Antennessa	Calibration Due: 05/10/2011
	(SN:SN_1109_EP_100)	
DIPOLE 1900	Antennessa (DIPI36, SN 48/05	Calibration Due: 02/09/2012
Phantom	Antennessa	Calibration Due: N/A
	(SN:SN41_05_SAM29)	
Liquid	Antennessa	Calibration Due: N/A
Measurement SW	OPEN SAR V2.1	Calibration Due: N/A



Frequency (MHz)	1850.400024
Relative permitivity (real part)	40.313134
Relative permitivity (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

Report No: KS110120B01-SF

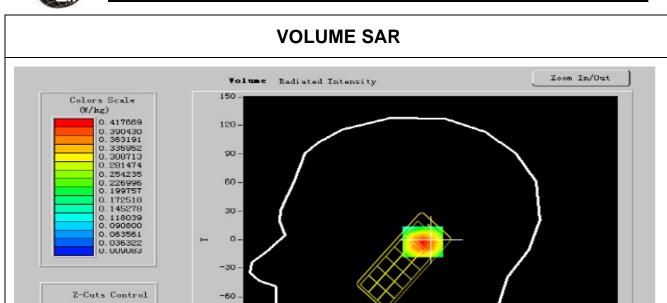


-120 -

-150

-120





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

-30

ó

зb

120

150

SAR 10g (W/Kg)	0.264912
SAR 1g (W/Kg)	0.417950

Z Axis Scan

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.4022	0.2224	0.2424	0.4964	0.0064	0.0554
(W/kg)	0.0000	0.4032	0.3224	0.2134	0.1864	0.0864	0.0554

<< Upper Cut

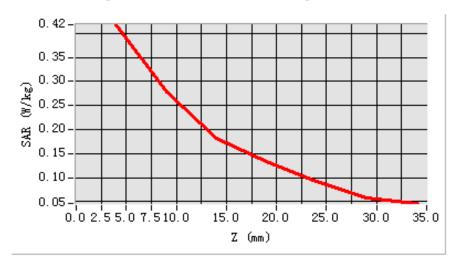
Cancel

Z = 2.1 Lower Cut

SAVE



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





Report No: KS110120B01-SF

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.

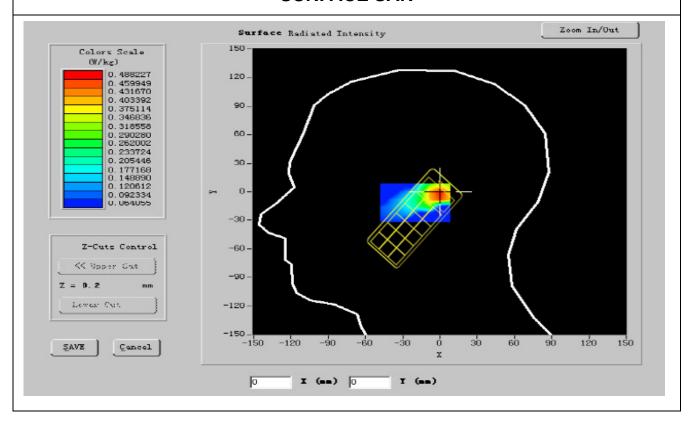
Phantom File	zinf15.txt, Adaptative 2 max		
Phantom	Left head		
Device Position	Tilt		
Band	GSM1900		
Channels	Middle		
Signal	GSM		

PC	HP (Pentium(R) V3.06GHz,	Calibration Due: N/A
	SN:375052-AA1)	
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,	Calibration Due: 03/24/2012
	SN:MY43321570)	
Amplifier	Mini-Circuits (ZHL-42,	Calibration Due: 07/29/2011
	SN:110405)	
Power Meter	Agilent (E4416A,	Calibration Due: 03/24/2012
	SN:QB41292714)	
Probe	Antennessa	Calibration Due: 05/10/2011
	(SN:SN_1109_EP_100)	
DIPOLE 1900	Antennessa (DIPI36, SN 48/05	Calibration Due: 02/09/2012
Phantom	Antennessa	Calibration Due: N/A
	(SN:SN41_05_SAM29)	
Liquid	Antennessa	Calibration Due: N/A
Measurement SW	OPEN SAR V2.1	Calibration Due: N/A

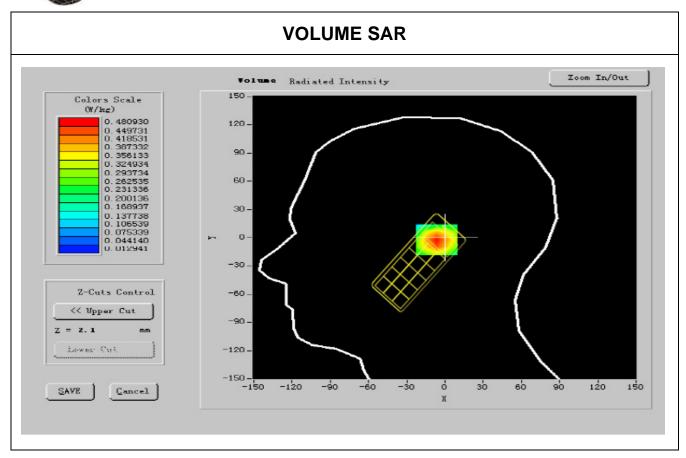


Frequency (MHz)	1880.000000
Relative permitivity (real part)	40.246024
Relative permitivity (imaginary part)	13.813800
Conductivity (S/m)	1.243761
Variation (%)	-1.371000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	41.91, 43.15, 56.44
Crest factor:	1:8

Report No: KS110120B01-SF







Report No: KS110120B01-SF

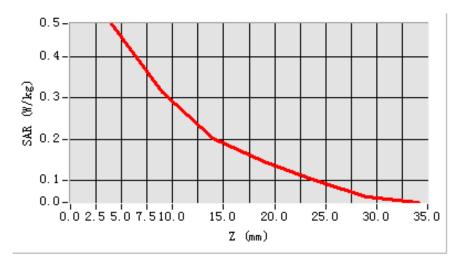
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.220125
SAR 1g (W/Kg)	0.402493

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.4469	0.2024	0.4024	0.4564	0.0064	0.0004
(W/kg)	0.0000	0.4468	0.3024	0.1934	0.1564	0.0864	0.0084









Report No: KS110120B01-SF

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.

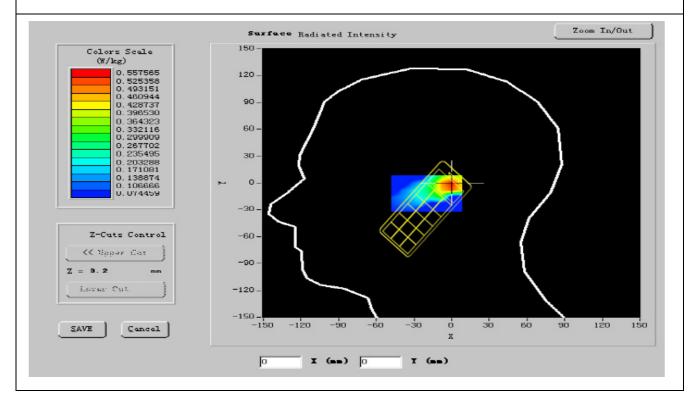
Phantom File	zinf15.txt, Adaptative 2 max		
Phantom	Left head		
Device Position	Tilt		
Band	GSM1900		
Channels	High		
Signal	GSM		

PC	HP (Pentium(R) V3.06GHz,	Calibration Due: N/A
	SN:375052-AA1)	
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,	Calibration Due: 03/24/2012
	SN:MY43321570)	
Amplifier	Mini-Circuits (ZHL-42,	Calibration Due: 07/29/2011
	SN:110405)	
Power Meter	Agilent (E4416A,	Calibration Due: 03/24/2012
	SN:QB41292714)	
Probe	Antennessa	Calibration Due: 05/10/2011
	(SN:SN_1109_EP_100)	
DIPOLE 1900	Antennessa (DIPI36, SN 48/05	Calibration Due: 02/09/2012
Phantom	Antennessa	Calibration Due: N/A
	(SN:SN41_05_SAM29)	
Liquid	Antennessa	Calibration Due: N/A
Measurement SW	OPEN SAR V2.1	Calibration Due: N/A



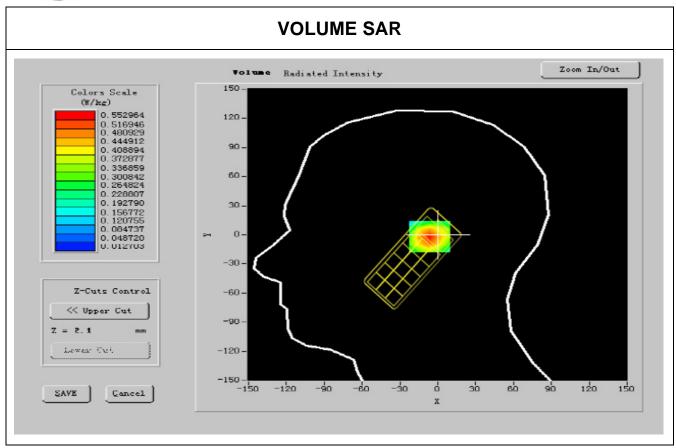
Frequency (MHz)	1909.599976
Relative permitivity (real part)	40.413999
Relative permitivity (imaginary part)	13.669900
Conductivity (S/m)	1.215203
Variation (%)	-1.420000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	41.91, 43.15, 56.44
Crest factor:	1:8

Report No: KS110120B01-SF





Report No: KS110120B01-SF



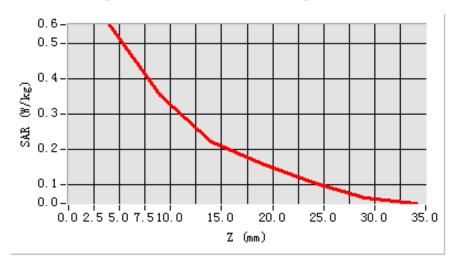
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.302231
SAR 1g (W/Kg)	0.4709462

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0 0000	0.4077	0 2277	0.4024	0.4464	0.4264	0 0000
(W/kg)	0.0000	0.4877	0.3377	0.1934	0.1464	0.1264	0.0089



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





Report No: KS110120B01-SF

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.

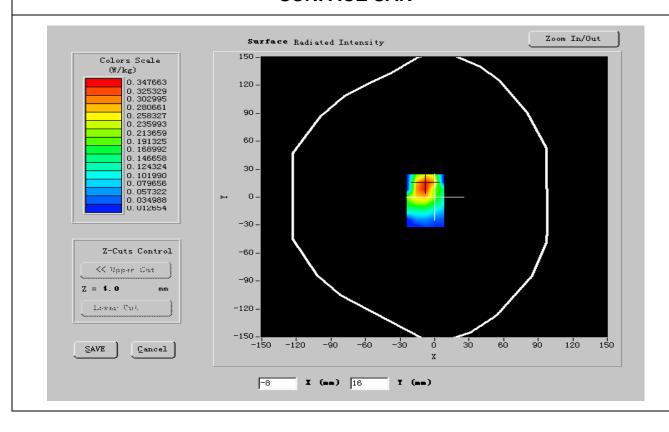
Phantom File	zinf15.txt, Adaptative 2 max	
Phantom	Body	
Device Position	FrontSide toward phantom	
Band	GSM1900	
Channels	Low	
Signal	GSM	

PC	HP (Pentium(R) V3.06GHz,	Calibration Due: N/A
	SN:375052-AA1)	
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,	Calibration Due: 03/24/2012
	SN:MY43321570)	
Amplifier	Mini-Circuits (ZHL-42,	Calibration Due: 07/29/2011
	SN:110405)	
Power Meter	Agilent (E4416A,	Calibration Due: 03/24/2012
	SN:QB41292714)	
Probe	Antennessa	Calibration Due: 05/10/2011
	(SN:SN_1109_EP_100)	
DIPOLE 1900	Antennessa (DIPI36, SN 48/05	Calibration Due: 02/09/2012
Phantom	Antennessa	Calibration Due: N/A
	(SN:SN41_05_SAM29)	
Liquid	Antennessa	Calibration Due: N/A
Measurement SW	OPEN SAR V2.1	Calibration Due: N/A

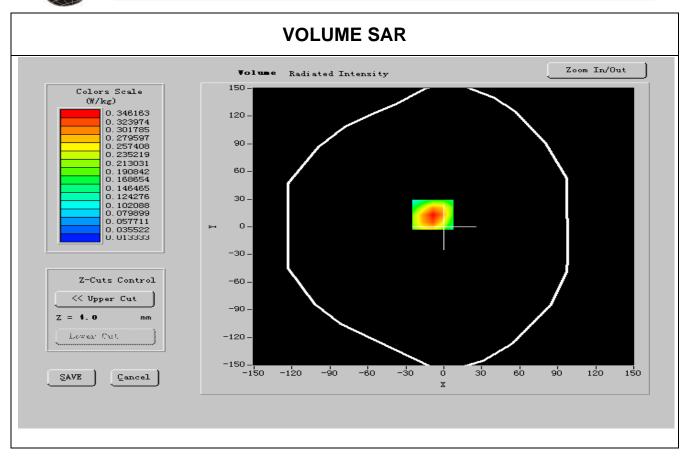


Frequency (MHz)	1850.400024
Relative permitivity (real part)	52.0214000
Relative permitivity (imaginary part)	13.584900
Conductivity (S/m)	1.376521
Variation (%)	-0.271000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	41.01, 42.41, 55.65
Crest factor:	1:8

Report No: KS110120B01-SF





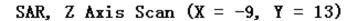


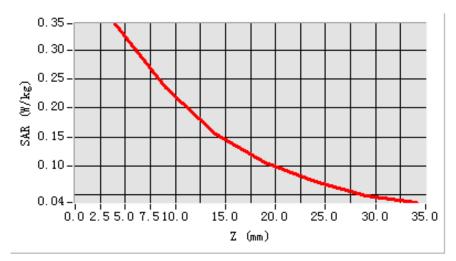
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.224795
SAR 1g (W/Kg)	0.3403672

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.2422	0.2072	0.4024	0.4464	0.4264	0 0000
(W/kg)	0.0000	0.3133	0.2873	0.1934	0.1464	0.1264	0.0089









Report No: KS110120B01-SF

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.

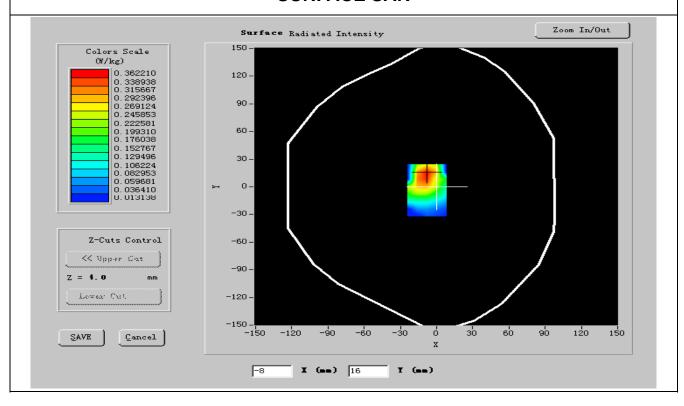
Phantom File	zinf15.txt, Adaptative 2 max	
Phantom	Body	
Device Position	FrontSide toward phantom	
Band	GSM1900	
Channels	Middle	
Signal	GSM	

PC	HP (Pentium(R) V3.06GHz,	Calibration Due: N/A
	SN:375052-AA1)	
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,	Calibration Due: 03/24/2012
	SN:MY43321570)	
Amplifier	Mini-Circuits (ZHL-42,	Calibration Due: 07/29/2011
	SN:110405)	
Power Meter	Agilent (E4416A,	Calibration Due: 03/24/2012
	SN:QB41292714)	
Probe	Antennessa	Calibration Due: 05/10/2011
	(SN:SN_1109_EP_100)	
DIPOLE 1900	Antennessa (DIPI36, SN 48/05	Calibration Due: 02/09/2012
Phantom	Antennessa	Calibration Due: N/A
	(SN:SN41_05_SAM29)	
Liquid	Antennessa	Calibration Due: N/A
Measurement SW	OPEN SAR V2.1	Calibration Due: N/A

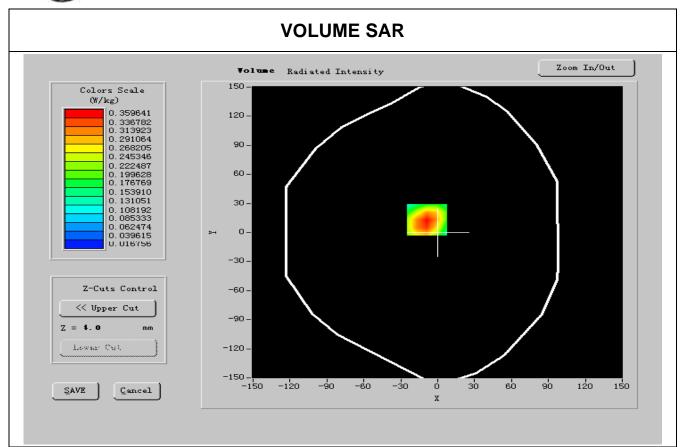


Frequency (MHz)	1880.000000
Relative permitivity (real part)	52.143003
Relative permitivity (imaginary part)	13.813800
Conductivity (S/m)	1.3402775
Variation (%)	-0.360000
Ambient Temperature:	21 °C
Liquid Temperature:	20 °C
ConvF:	41.01, 42.41, 55.65
Crest factor:	1:8

Report No: KS110120B01-SF







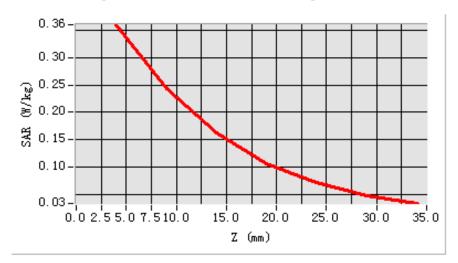
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.304192
SAR 1g (W/Kg)	0.3014463

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.2452	0.2022	0.4022	0.4422	0.0022	0.0200
(W/kg)	0.0000	0.3152	0.2832	0.1923	0.1423	0.0932	0.0309



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





Report No: KS110120B01-SF

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.

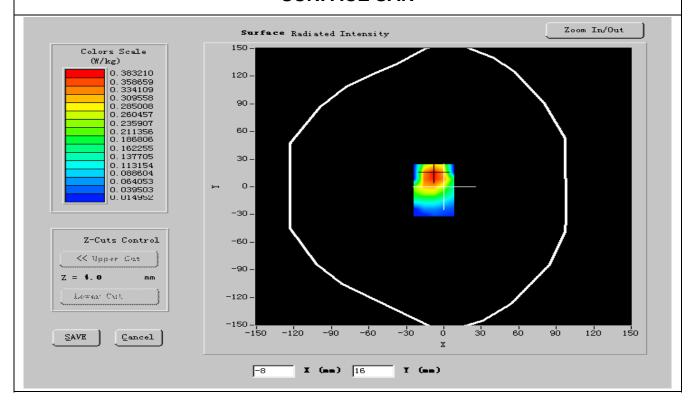
Phantom File	zinf15.txt, Adaptative 2 max		
Phantom	Body		
Device Position	FrontSide toward phantom		
Band	GSM1900		
Channels	High		
Signal	GSM		

PC	HP (Pentium(R) V3.06GHz,	Calibration Due: N/A	
	SN:375052-AA1)		
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,	Calibration Due: 03/24/2012	
	SN:MY43321570)		
Amplifier	Mini-Circuits (ZHL-42,	Calibration Due: 07/29/2011	
	SN:110405)		
Power Meter	Agilent (E4416A,	Calibration Due: 03/24/2012	
	SN:QB41292714)		
Probe	Antennessa	Calibration Due: 05/10/2011	
	(SN:SN_1109_EP_100)		
DIPOLE 1900	Antennessa (DIPI36, SN 48/05	Calibration Due: 02/09/2012	
Phantom	Antennessa	Calibration Due: N/A	
	(SN:SN41_05_SAM29)		
Liquid	Antennessa	Calibration Due: N/A	
Measurement SW	OPEN SAR V2.1	Calibration Due: N/A	

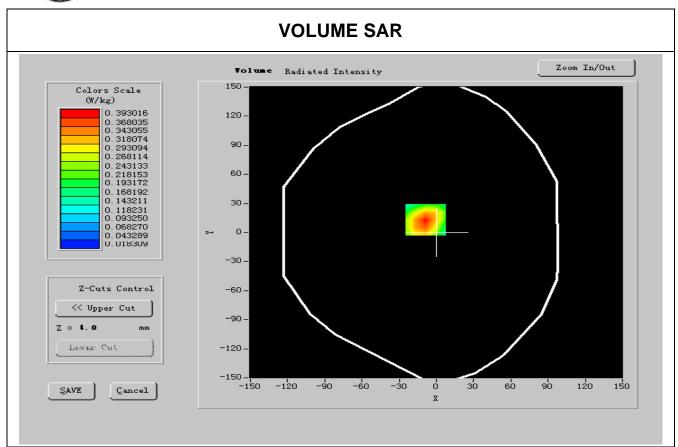


Frequency (MHz)	1909.599976		
Relative permitivity (real part)	52.134999		
Relative permitivity (imaginary part)	13.669900		
Conductivity (S/m)	1.142022		
Variation (%)	-0.260000		
Ambient Temperature:	21 °C		
Liquid Temperature:	20 °C		
ConvF:	41.01, 42.41, 55.65		
Crest factor:	1:8		

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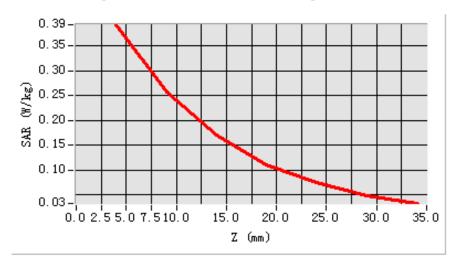
Maximum location: X=-13.00, Y=-3.00

SAR 10g (W/Kg)	0.224497		
SAR 1g (W/Kg)	0.342414		

Z(mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	0.2574	0 2022	0.4022	0.4422	0.0022	0 0222
(W/kg)	0.0000	0.3571	0.2832	0.1023	0.1423	0.0923	0.0322



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



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