

System Performance Check Data (850MHz Head)

Report No: KS110117B02-SF

Date of measurement: 01/19/2011

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.

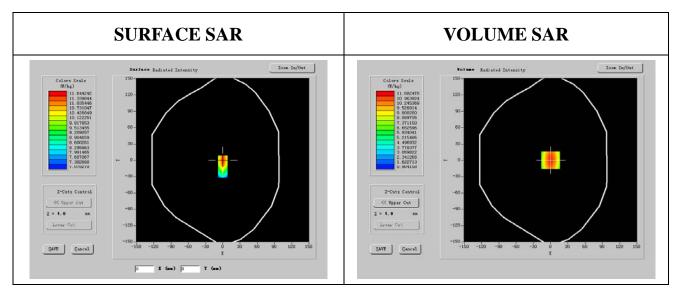
Phantom File	surf_sam_plan.txt, Adaptative 2 max
Phantom	Validation plane
Device Position	Body
Band	GSM850
Channels	Middle
Signal	CW

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibration Due: N/A
Wireless Communication	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Test Set		
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 835	Antennessa (DIPC32,SN 48/05)	Calibration Due: 02/09/2011
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)	835.000013
Relative permitivity (real part)	41.046299
Relative permitivity (imaginary part)	20.013956
Conductivity (S/m)	0.927326
Variation (%)	-0.450000
Ambient Temperature:	21.3 °C
Liquid Temperature:	20.4 °C
ConvF:	20.66, 20.51, 28.36
Crest factor:	1:1

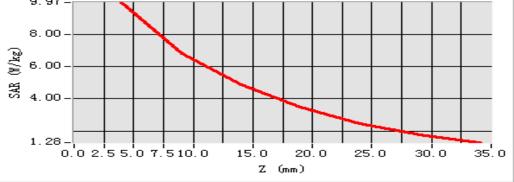
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Maximum location: X=0.00, Y=-5.00

SAR 10g (W/Kg)	6.371643
SAR 1g (W/Kg)	9.361267

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



System Performance Check Data (850MHz Body)

Report No: KS110117B02-SF

Date of measurement: 01/19/2011

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.

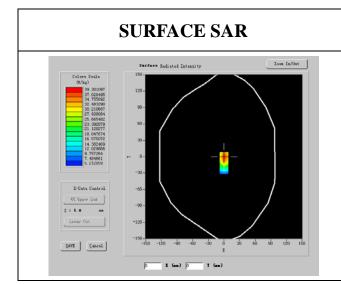
Phantom File	surf_sam_plan.txt, Adaptative 2 max
Phantom	Validation plane
Device Position	Body
Band	GSM850
Channels	Middle
Signal	CW

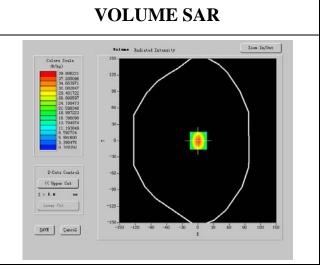
PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibration Due: N/A
Wireless Communication	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Test Set		
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2011
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator	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 835	Antennessa (DIPC32,SN 48/05)	Calibration Due: 02/09/2011
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

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C. SAR Measurement Results

Frequency (MHz)	835.000013
Relative permitivity (real part)	54.621699
Relative permitivity (imaginary part)	21.856403
Conductivity (S/m)	0.937901
Variation (%)	-0.720000
Ambient Temperature:	21.3 °C
Liquid Temperature:	20.4 °C
ConvF:	20.00, 19.88, 27.77
Crest factor:	1:1

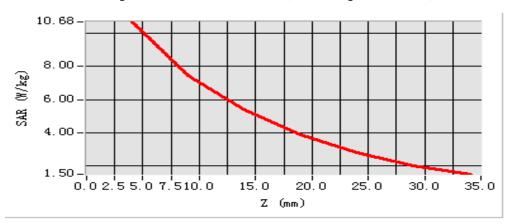




Maximum location: X=0.00, Y=-5.00

SAR 10g (W/ Kg)	6.802715
SAR 1g (W/Kg)	9.384317

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



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System Performance Check Data (1900MHz Head)

Report No: KS110117B02-SF

Date of measurement: 01/19/2011

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

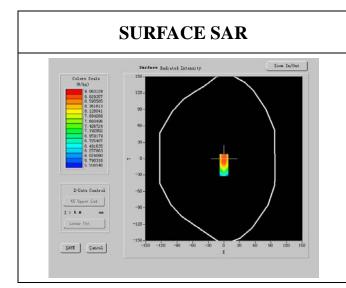
A. Experimental conditions.

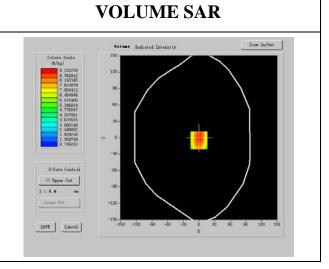
Phantom File	surf_sam_plan.txt, Adaptative 2 max
Phantom	Validation plane
Device Position	Body
Band	GSM1900
Channels	Middle
Signal	CW

PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibration Due: N/A
Wireless Communication	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Test Set		
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: 02/09/2011
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)	1900.000000
Relative permitivity (real part)	40.671399
Relative permitivity (imaginary part)	13.503276
Conductivity (S/m)	1.374023
Variation (%)	-0.450000
Ambient Temperature	21.3°C
Liquid Temperature	20.5 °C
ConvF	41.05, 42.35, 55.45
Crest factor	1:1



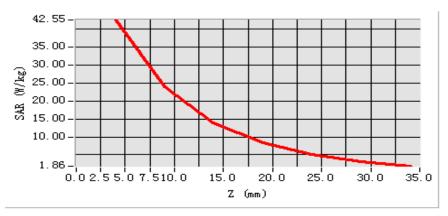


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Maximum location: X=0.00, Y=-5.00

SAR 10g (W/Kg)	21.276033
SAR 1g (W/Kg)	40.280655

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



System Performance Check Data (1900MHz Body)

Report No: KS110117B02-SF

Date of measurement: 01/19/2011

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.

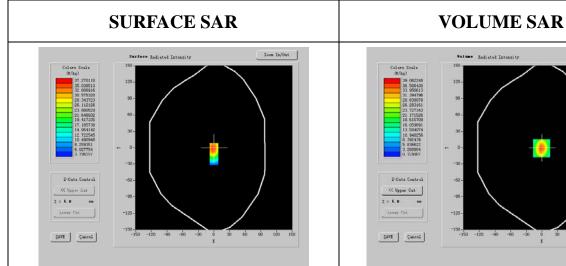
Phantom File	surf_sam_plan.txt, Adaptative 2 max
Phantom	Validation plane
Device Position	Body
Band	GSM1900
Channels	Middle
Signal	CW

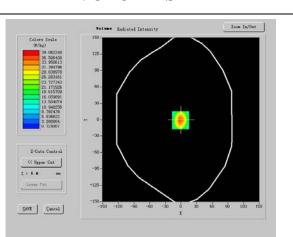
PC	HP (Pentium(R) V3.06GHz, SN:375052-AA1)	Calibration Due: N/A
Wireless Communication	R&S (CMU200, SN:B23-03291)	Calibration Due: 05/25/2011
Test Set		
Network Analyzer	Agilent(E5071B, MY42301382)	Calibration Due: 03/24/2011
Voltmeter	Keithley (2000, SN:1015843)	Calibration Due: 05/25/2011
Signal Generator	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: 02/09/2011
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

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C. SAR Measurement Results

Frequency (MHz)	1900.000000
Relative permitivity (real part)	52.480703
Relative permitivity (imaginary part)	13.612907
Conductivity (S/m)	1.557301
Variation (%)	-0.440000
Ambient Temperature	21.3 °C
Liquid Temperature	20.5 °C
ConvF	40.42, 41.12, 54.75
Crest factor	1:1





Maximum location: X=0.00, Y=-1.00

SAR 10g (W/Kg)	20.170366
SAR 1g (W/Kg)	40.694803

SAR, Z Axis Scan (X = 0, Y = -1)

