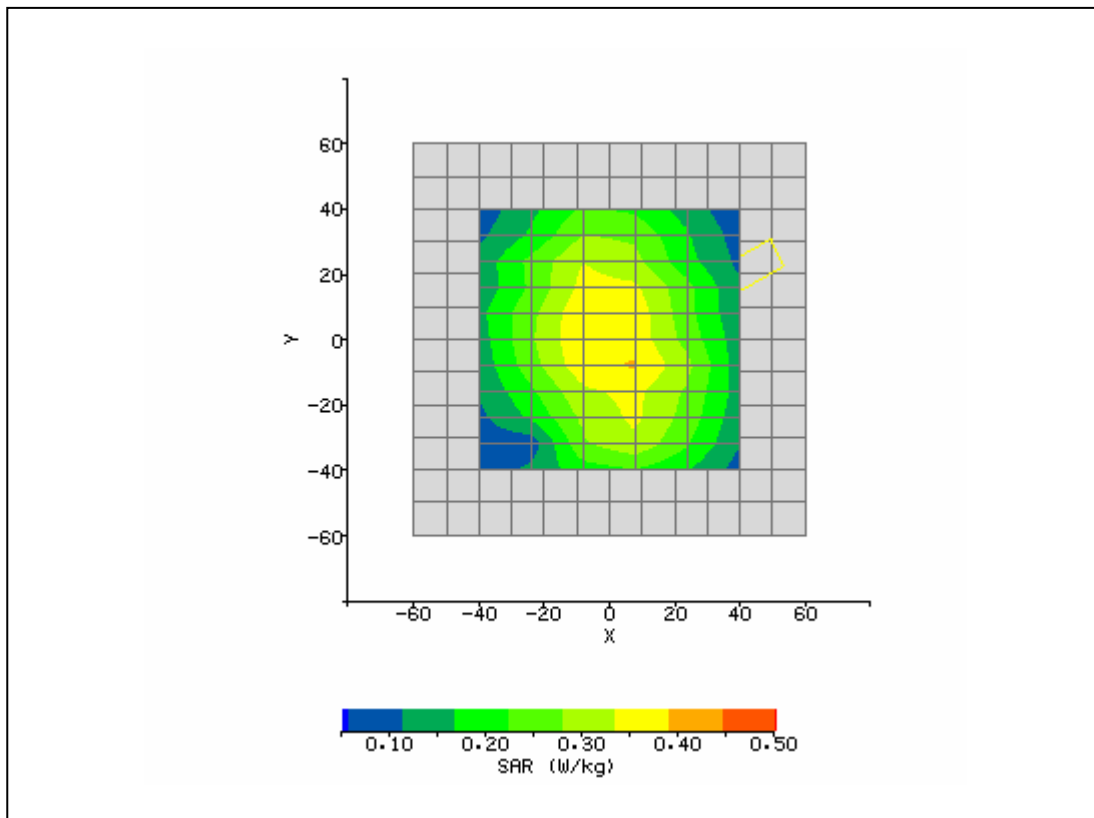
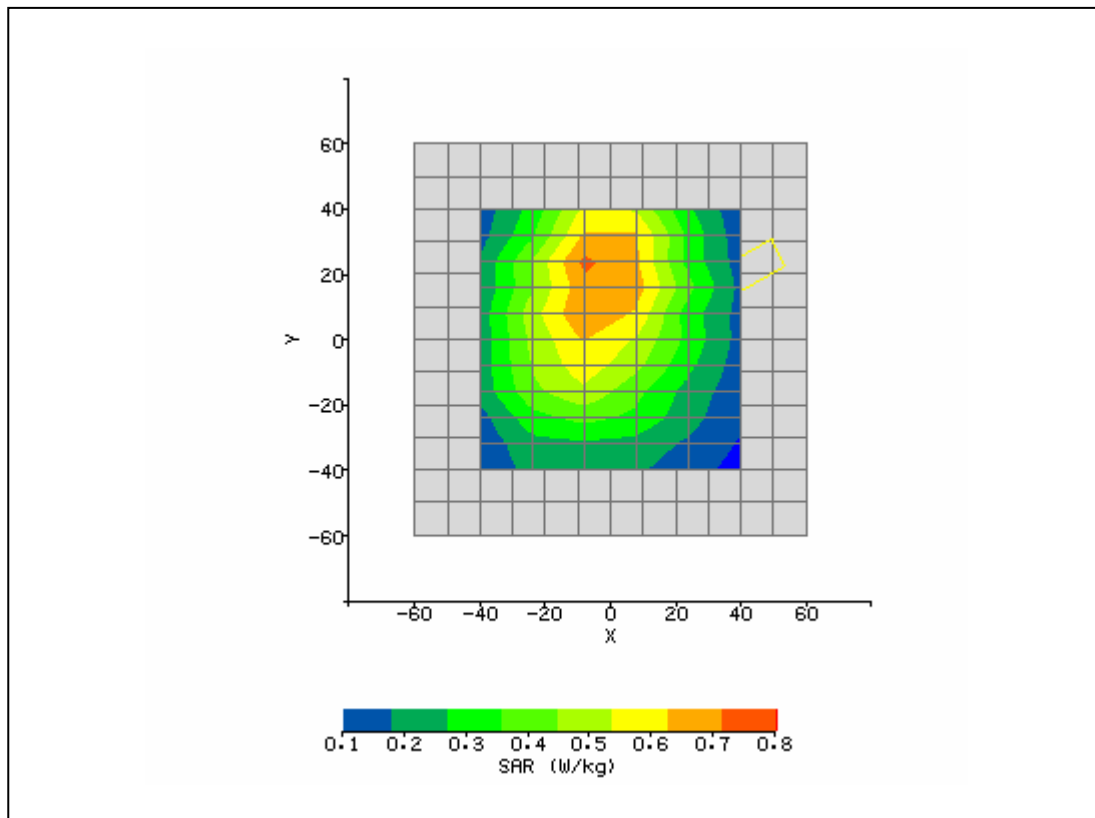


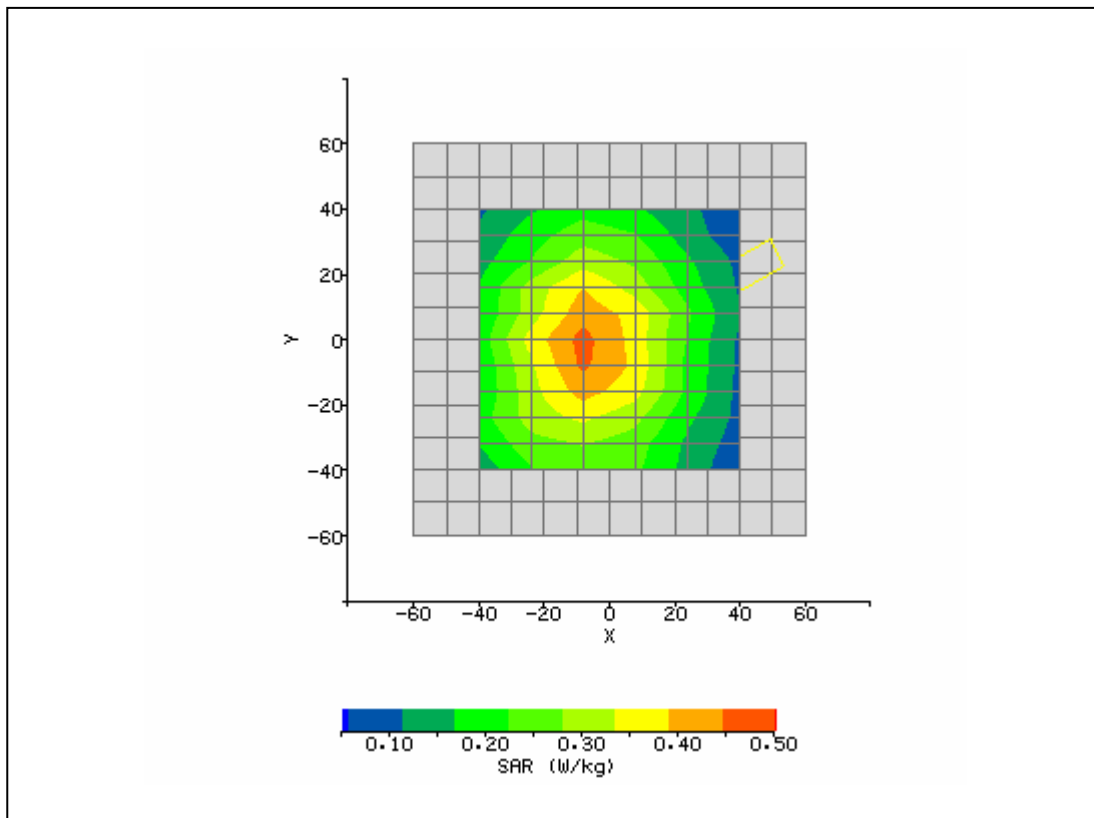
<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	
<b>Date / Time:</b>	9/10/2007 5:11:32 PM	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	Side_190_3d.txt	<b>Probe Serial Number:</b>	M0024
<b>Ambient Temperature:</b>	22.8°C	<b>Liquid Simulant:</b>	850
<b>Device Under Test:</b>	Panasonic Avionics WAN Modem	<b>Relative Permittivity:</b>	56.06
<b>Relative Humidity:</b>	30%	<b>Conductivity:</b>	0.971
<b>Phantom S/No:</b>	HeadBox2.csv	<b>Liquid Temperature:</b>	22.0°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR X-axis Location:</b>	0.00 mm
<b>DUT Position:</b>	Front 20mm	<b>Max SAR Y-axis Location:</b>	-4.00 mm
<b>Antenna Configuration:</b>	External	<b>Max E Field:</b>	21.69 V/m
<b>Test Frequency:</b>	824.2MHz	<b>SAR 1g:</b>	0.505 W/kg
<b>Air Factors:</b>	2685 / 2277 / 2238	<b>SAR 10g:</b>	
<b>Conversion Factors:</b>	.355 / .355 / .355	<b>SAR Start:</b>	0.170 W/kg
<b>Type of Modulation:</b>		<b>SAR End:</b>	0.173 W/kg
<b>Modn. Duty Cycle:</b>		<b>SAR Drift during Scan:</b>	2.03 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	09/10/07
<b>Input Power Level:</b>	Class 12, 2 Time Slots	<b>Extrapolation:</b>	poly4



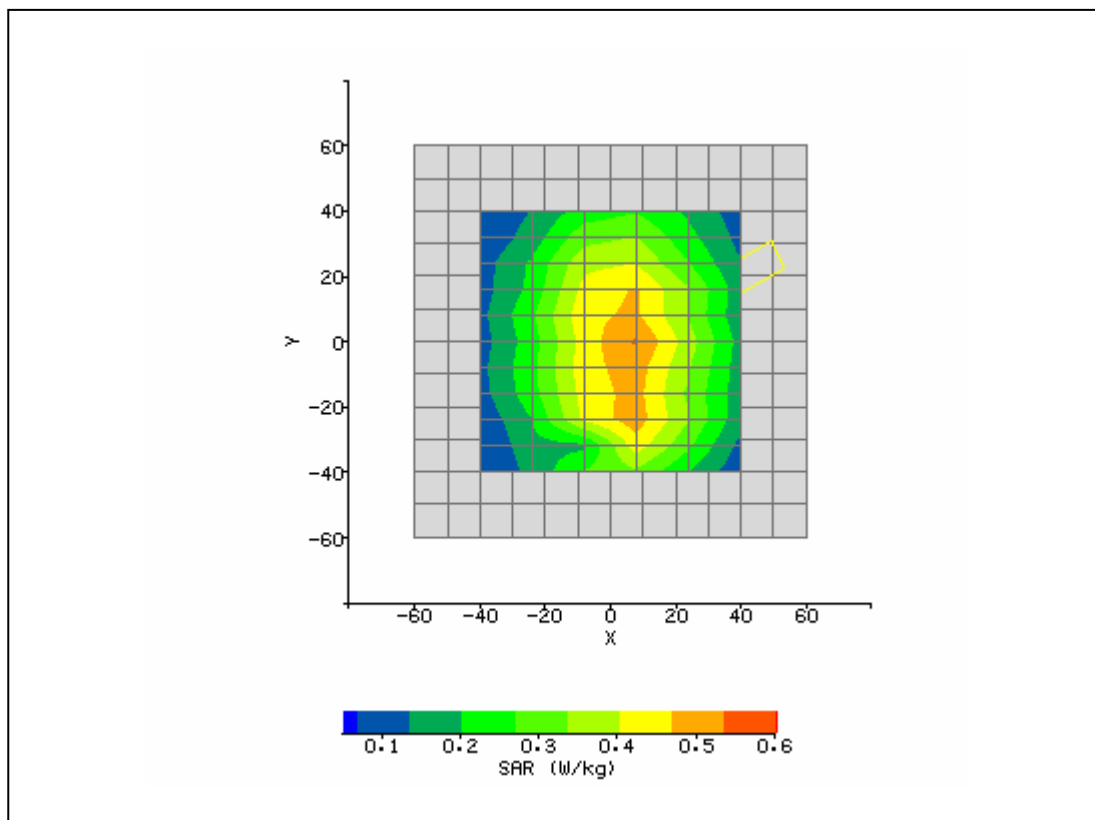
<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	
<b>Date / Time:</b>	9/10/2007 4:32:07 PM	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	temp.txt	<b>Probe Serial Number:</b>	M0024
<b>Ambient Temperature:</b>	22.8°C	<b>Liquid Simulant:</b>	850
<b>Device Under Test:</b>	Panasonic Avionics WAN Modem	<b>Relative Permittivity:</b>	55.71
<b>Relative Humidity:</b>	30%	<b>Conductivity:</b>	0.989
<b>Phantom S/No:</b>	HeadBox2.csv	<b>Liquid Temperature:</b>	22.0°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR X-axis Location:</b>	-1.60 mm
<b>DUT Position:</b>	Front 20mm	<b>Max SAR Y-axis Location:</b>	20.80 mm
<b>Antenna Configuration:</b>	External	<b>Max E Field:</b>	28.34 V/m
<b>Test Frequency:</b>	836.6MHz	<b>SAR 1g:</b>	0.870 W/kg
<b>Air Factors:</b>	2685 / 2277 / 2238	<b>SAR 10g:</b>	
<b>Conversion Factors:</b>	.355 / .355 / .355	<b>SAR Start:</b>	0.270 W/kg
<b>Type of Modulation:</b>		<b>SAR End:</b>	0.271 W/kg
<b>Modn. Duty Cycle:</b>		<b>SAR Drift during Scan:</b>	0.37 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	09/10/07
<b>Input Power Level:</b>	Class 12, 2 Time Slots	<b>Extrapolation:</b>	poly4



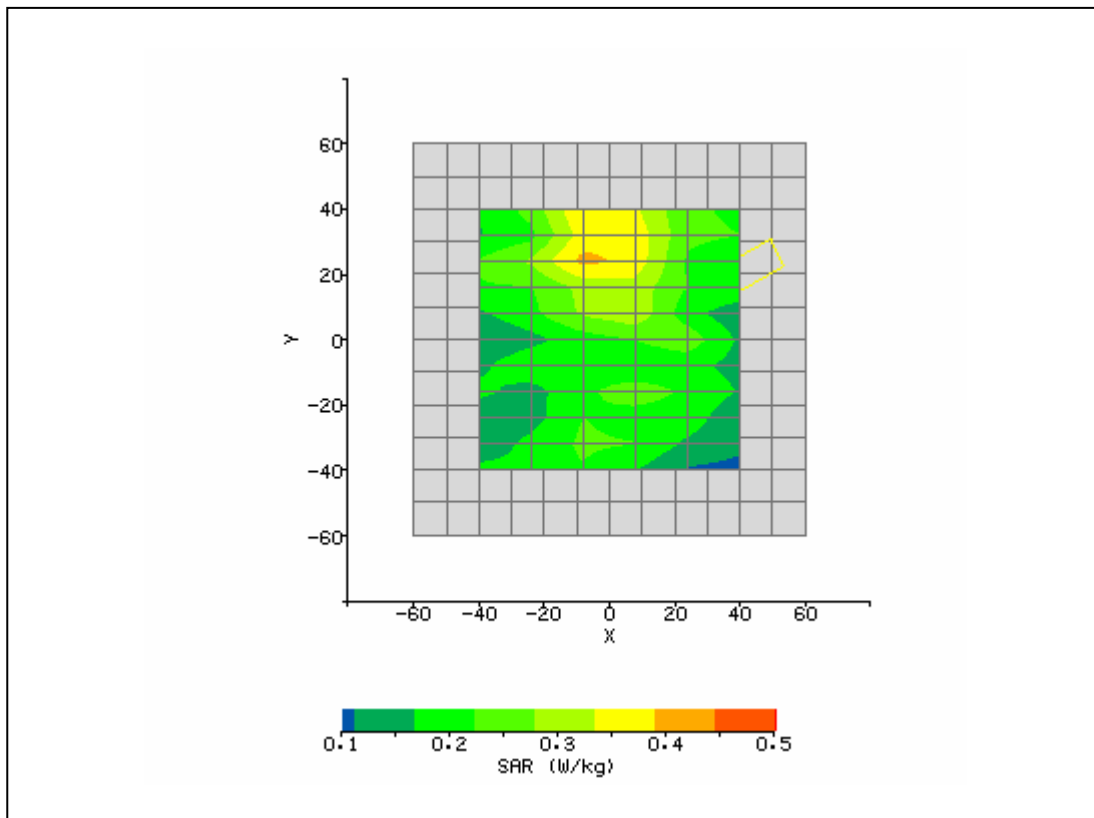
<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	
<b>Date / Time:</b>	9/10/2007 5:26:01 PM	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	Front_124_3d.txt	<b>Probe Serial Number:</b>	M0024
<b>Ambient Temperature:</b>	22.8°C	<b>Liquid Simulant:</b>	850
<b>Device Under Test:</b>	Panasonic Avionics WAN Modem	<b>Relative Permittivity:</b>	55.47
<b>Relative Humidity:</b>	30%	<b>Conductivity:</b>	0.982
<b>Phantom S/No:</b>	HeadBox2.csv	<b>Liquid Temperature:</b>	22.0°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR X-axis Location:</b>	-6.40 mm
<b>DUT Position:</b>	Front 20mm	<b>Max SAR Y-axis Location:</b>	-2.40 mm
<b>Antenna Configuration:</b>	External	<b>Max E Field:</b>	21.67 V/m
<b>Test Frequency:</b>	848.8MHz	<b>SAR 1g:</b>	0.517 W/kg
<b>Air Factors:</b>	2685 / 2277 / 2238	<b>SAR 10g:</b>	
<b>Conversion Factors:</b>	.355 / .355 / .355	<b>SAR Start:</b>	0.166 W/kg
<b>Type of Modulation:</b>		<b>SAR End:</b>	0.168 W/kg
<b>Modn. Duty Cycle:</b>		<b>SAR Drift during Scan:</b>	1.20 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	09/10/07
<b>Input Power Level:</b>	Class 12, 2 Time Slots	<b>Extrapolation:</b>	poly4



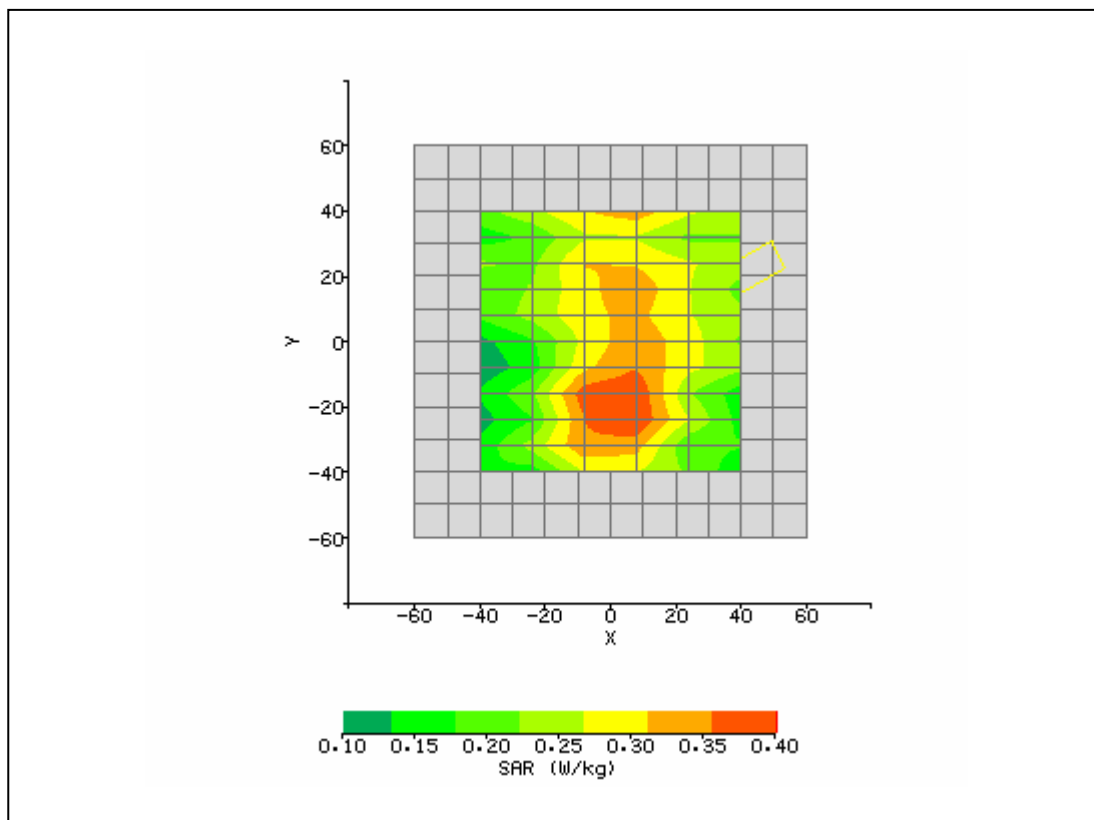
<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	
<b>Date / Time:</b>	9/10/2007 4:55:51 PM	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	Front_190_3d.txt	<b>Probe Serial Number:</b>	M0024
<b>Ambient Temperature:</b>	22.8°C	<b>Liquid Simulant:</b>	850
<b>Device Under Test:</b>	Panasonic Avionics WAN Modem	<b>Relative Permittivity:</b>	55.71
<b>Relative Humidity:</b>	30%	<b>Conductivity:</b>	0.989
<b>Phantom S/No:</b>	HeadBox2.csv	<b>Liquid Temperature:</b>	22.0°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR X-axis Location:</b>	4.80 mm
<b>DUT Position:</b>	Side 20mm	<b>Max SAR Y-axis Location:</b>	-0.80 mm
<b>Antenna Configuration:</b>	External	<b>Max E Field:</b>	23.99 V/m
<b>Test Frequency:</b>	836.6MHz	<b>SAR 1g:</b>	0.659 W/kg
<b>Air Factors:</b>	2685 / 2277 / 2238	<b>SAR 10g:</b>	
<b>Conversion Factors:</b>	.355 / .355 / .355	<b>SAR Start:</b>	0.222 W/kg
<b>Type of Modulation:</b>		<b>SAR End:</b>	0.225 W/kg
<b>Modn. Duty Cycle:</b>		<b>SAR Drift during Scan:</b>	1.35 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	09/10/07
<b>Input Power Level:</b>	Class 12, 2 Time Slots	<b>Extrapolation:</b>	poly4



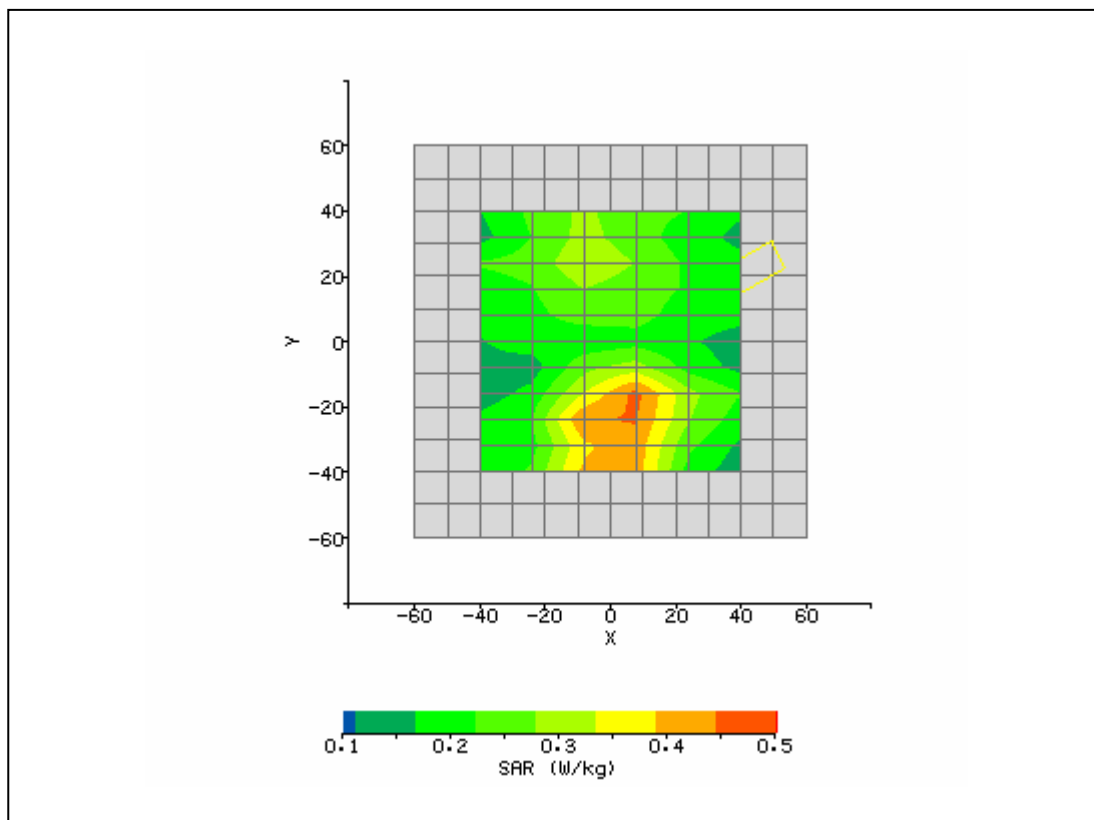
<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	
<b>Date / Time:</b>	9/11/2007 10:49:24 AM	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	Front_661_3d.txt	<b>Probe Serial Number:</b>	M0024
<b>Ambient Temperature:</b>	22.8°C	<b>Liquid Simulant:</b>	1900
<b>Device Under Test:</b>	Panasonic Avionics WAN Modem	<b>Relative Permittivity:</b>	53.35
<b>Relative Humidity:</b>	30%	<b>Conductivity:</b>	1.564
<b>Phantom S/No:</b>	HeadBox2.csv	<b>Liquid Temperature:</b>	22.0°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR X-axis Location:</b>	-1.60 mm
<b>DUT Position:</b>	Front 20mm	<b>Max SAR Y-axis Location:</b>	26.40 mm
<b>Antenna Configuration:</b>	External	<b>Max E Field:</b>	17.12 V/m
<b>Test Frequency:</b>	1850.2MHz	<b>SAR 1g:</b>	0.519 W/kg
<b>Air Factors:</b>	2685 / 2277 / 2238	<b>SAR 10g:</b>	
<b>Conversion Factors:</b>	.489 / .489 / .489	<b>SAR Start:</b>	0.224 W/kg
<b>Type of Modulation:</b>		<b>SAR End:</b>	0.226 W/kg
<b>Modn. Duty Cycle:</b>		<b>SAR Drift during Scan:</b>	0.96 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	09/11/07
<b>Input Power Level:</b>	Class 12, 3 Time Slots	<b>Extrapolation:</b>	poly4



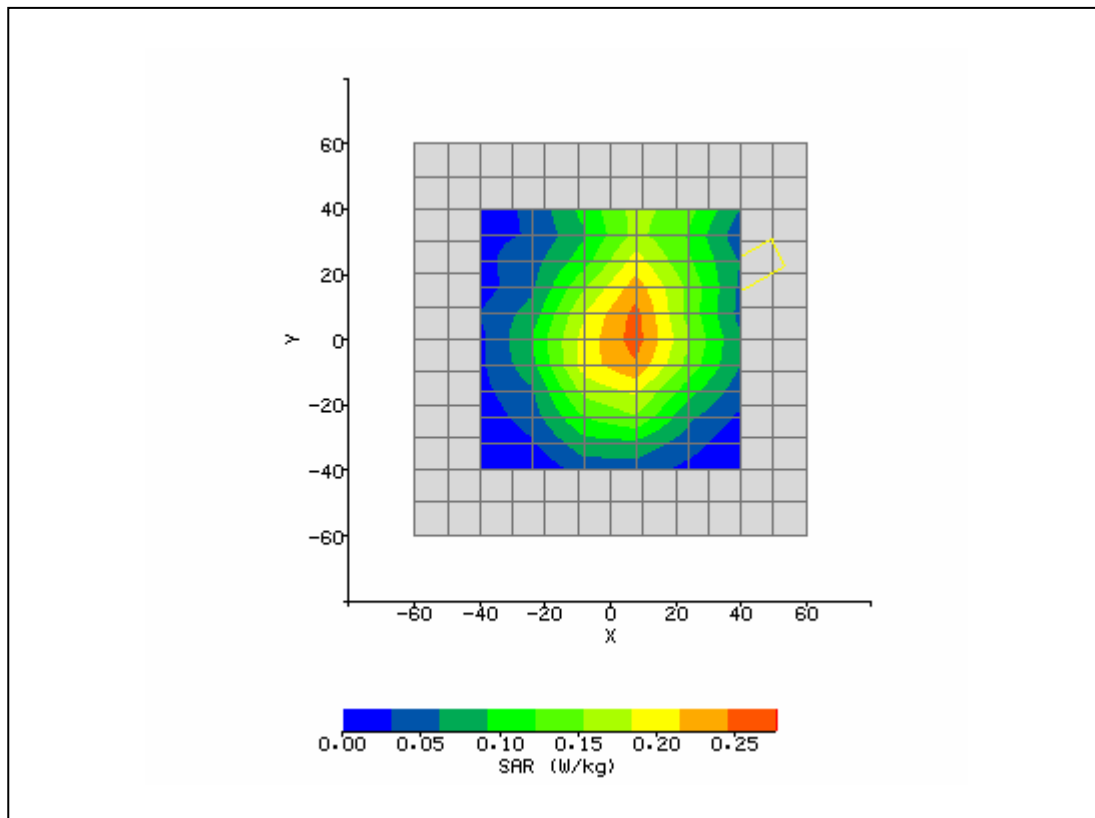
<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	
<b>Date / Time:</b>	9/11/2007 10:35:46 AM	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	temp.txt	<b>Probe Serial Number:</b>	M0024
<b>Ambient Temperature:</b>	22.8°C	<b>Liquid Simulant:</b>	1900
<b>Device Under Test:</b>	Panasonic Avionics WAN Modem	<b>Relative Permittivity:</b>	53.16
<b>Relative Humidity:</b>	30%	<b>Conductivity:</b>	1.577
<b>Phantom S/No:</b>	HeadBox2.csv	<b>Liquid Temperature:</b>	22.0°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR X-axis Location:</b>	3.20 mm
<b>DUT Position:</b>	Front 20mm	<b>Max SAR Y-axis Location:</b>	-19.20 mm
<b>Antenna Configuration:</b>	External	<b>Max E Field:</b>	15.98 V/m
<b>Test Frequency:</b>	1880MHz	<b>SAR 1g:</b>	0.543 W/kg
<b>Air Factors:</b>	2685 / 2277 / 2238	<b>SAR 10g:</b>	
<b>Conversion Factors:</b>	.489 / .489 / .489	<b>SAR Start:</b>	0.194 W/kg
<b>Type of Modulation:</b>		<b>SAR End:</b>	0.193 W/kg
<b>Modn. Duty Cycle:</b>		<b>SAR Drift during Scan:</b>	-0.61 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	09/11/07
<b>Input Power Level:</b>	Class 12, 3 Time Slots	<b>Extrapolation:</b>	poly4



<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	
<b>Date / Time:</b>	9/11/2007 11:02:16 AM	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	Front_512_3d.txt	<b>Probe Serial Number:</b>	M0024
<b>Ambient Temperature:</b>	22.8°C	<b>Liquid Simulant:</b>	1900
<b>Device Under Test:</b>	Panasonic Avionics WAN Modem	<b>Relative Permittivity:</b>	52.97
<b>Relative Humidity:</b>	30%	<b>Conductivity:</b>	1.578
<b>Phantom S/No:</b>	HeadBox2.csv	<b>Liquid Temperature:</b>	22.0°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR X-axis Location:</b>	3.20 mm
<b>DUT Position:</b>	Front 20mm	<b>Max SAR Y-axis Location:</b>	-23.20 mm
<b>Antenna Configuration:</b>	External	<b>Max E Field:</b>	17.25 V/m
<b>Test Frequency:</b>	1909.8MHz	<b>SAR 1g:</b>	0.638 W/kg
<b>Air Factors:</b>	2685 / 2277 / 2238	<b>SAR 10g:</b>	
<b>Conversion Factors:</b>	.489 / .489 / .489	<b>SAR Start:</b>	0.204 W/kg
<b>Type of Modulation:</b>		<b>SAR End:</b>	0.207 W/kg
<b>Modn. Duty Cycle:</b>		<b>SAR Drift during Scan:</b>	1.47 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	09/11/07
<b>Input Power Level:</b>	Class 12, 3 Time Slots	<b>Extrapolation:</b>	poly4



<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	
<b>Date / Time:</b>	9/11/2007 9:10:38 AM	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	temp.txt	<b>Probe Serial Number:</b>	M0024
<b>Ambient Temperature:</b>	22.8°C	<b>Liquid Simulant:</b>	1900
<b>Device Under Test:</b>	Panasonic Avionics WAN Modem	<b>Relative Permittivity:</b>	53.16
<b>Relative Humidity:</b>	30%	<b>Conductivity:</b>	1.577
<b>Phantom S/No:</b>	HeadBox2.csv	<b>Liquid Temperature:</b>	22.0°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR X-axis Location:</b>	6.40 mm
<b>DUT Position:</b>	Side 20mm	<b>Max SAR Y-axis Location:</b>	0.80 mm
<b>Antenna Configuration:</b>	External	<b>Max E Field:</b>	12.96 V/m
<b>Test Frequency:</b>	1880MHz	<b>SAR 1g:</b>	0.332 W/kg
<b>Air Factors:</b>	2685 / 2277 / 2238	<b>SAR 10g:</b>	
<b>Conversion Factors:</b>	.489 / .489 / .489	<b>SAR Start:</b>	0.052 W/kg
<b>Type of Modulation:</b>		<b>SAR End:</b>	0.053 W/kg
<b>Modn. Duty Cycle:</b>		<b>SAR Drift during Scan:</b>	1.92 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	09/11/07
<b>Input Power Level:</b>	Class 12, 3 Time Slots	<b>Extrapolation:</b>	poly4





SAR Test Report No.:

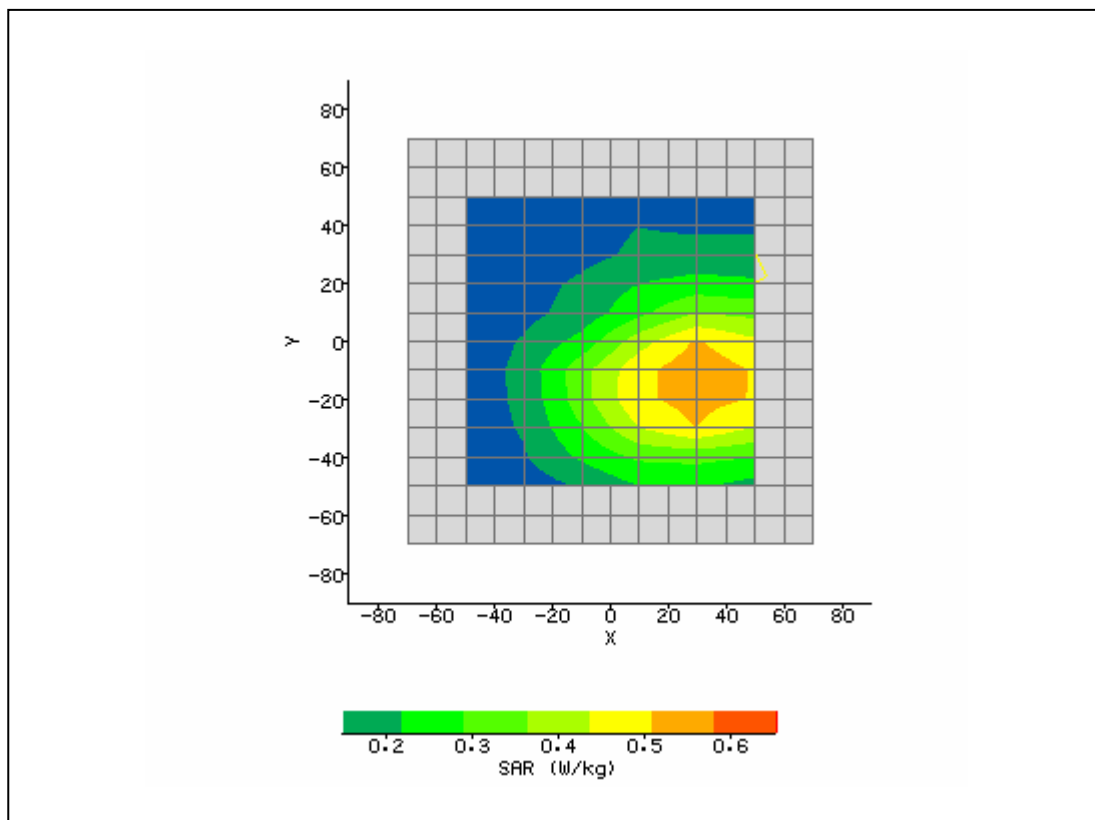
SAR\_PANA2\_003\_07001\_Cell\_Modem\_GSM\_FCC\_rev.1

Date of Report: 10/04/2007

**Appendix A Plots**

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<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	
<b>Date / Time:</b>	10/4/2007 3:43:50 PM	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	Front_190_3d.txt	<b>Probe Serial Number:</b>	M0024
<b>Ambient Temperature:</b>	22.8°C	<b>Liquid Simulant:</b>	850
<b>Device Under Test:</b>	Panasonic Avionics WAN Modem	<b>Relative Permittivity:</b>	42.6
<b>Relative Humidity:</b>	30%	<b>Conductivity:</b>	0.92
<b>Phantom S/No:</b>	Head04_37.csv	<b>Liquid Temperature:</b>	22.0°C
<b>Phantom Rotation:</b>	180°	<b>Max SAR X-axis Location:</b>	30.00 mm
<b>DUT Position:</b>	Front 20mm	<b>Max SAR Y-axis Location:</b>	-14.00 mm
<b>Antenna Configuration:</b>	External	<b>Max E Field:</b>	25.67 V/m
<b>Test Frequency:</b>	824.2MHz	<b>SAR 1g:</b>	0.718 W/kg
<b>Air Factors:</b>	2685 / 2277 / 2238	<b>SAR 10g:</b>	
<b>Conversion Factors:</b>	.360 / .360 / .360	<b>SAR Start:</b>	0.280 W/kg
<b>Type of Modulation:</b>		<b>SAR End:</b>	0.291 W/kg
<b>Modn. Duty Cycle:</b>		<b>SAR Drift during Scan:</b>	3.92 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	10/04/07
<b>Input Power Level:</b>	2 time slots up	<b>Extrapolation:</b>	poly4



SAR Test Report No.:

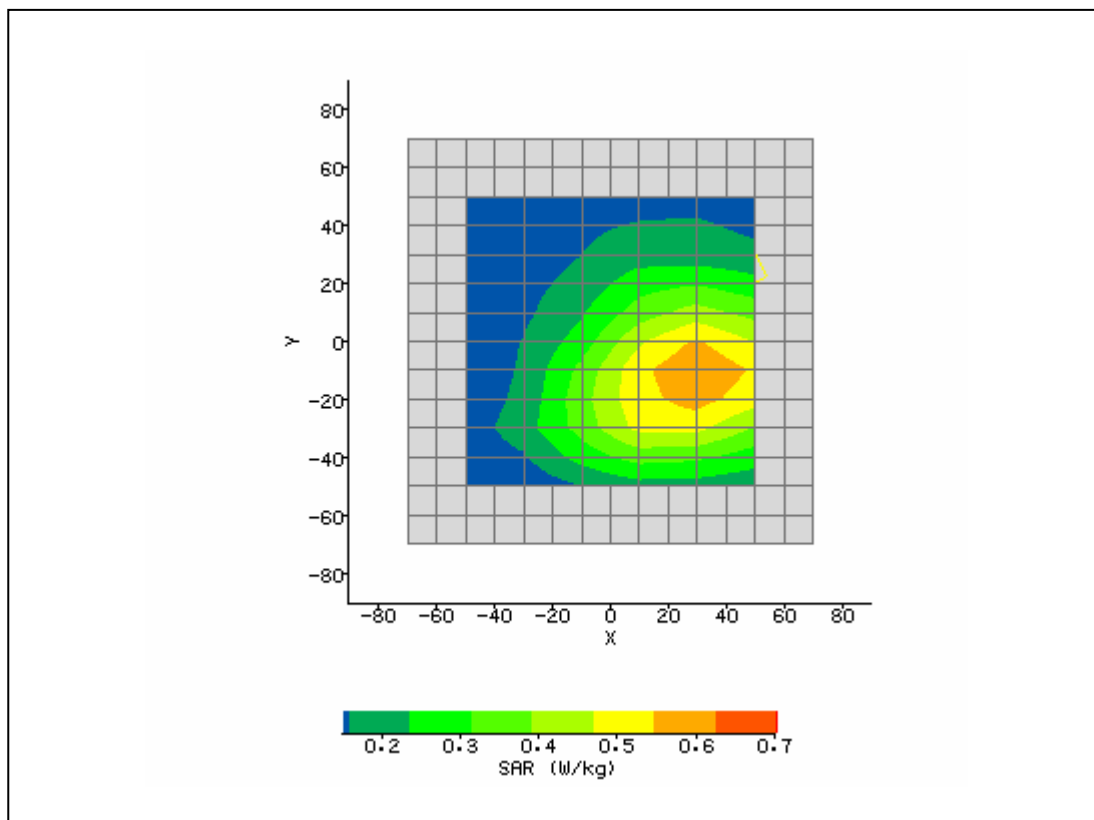
SAR\_PANA2\_003\_07001\_Cell\_Modem\_GSM\_FCC\_rev.1

Date of Report: 10/04/2007

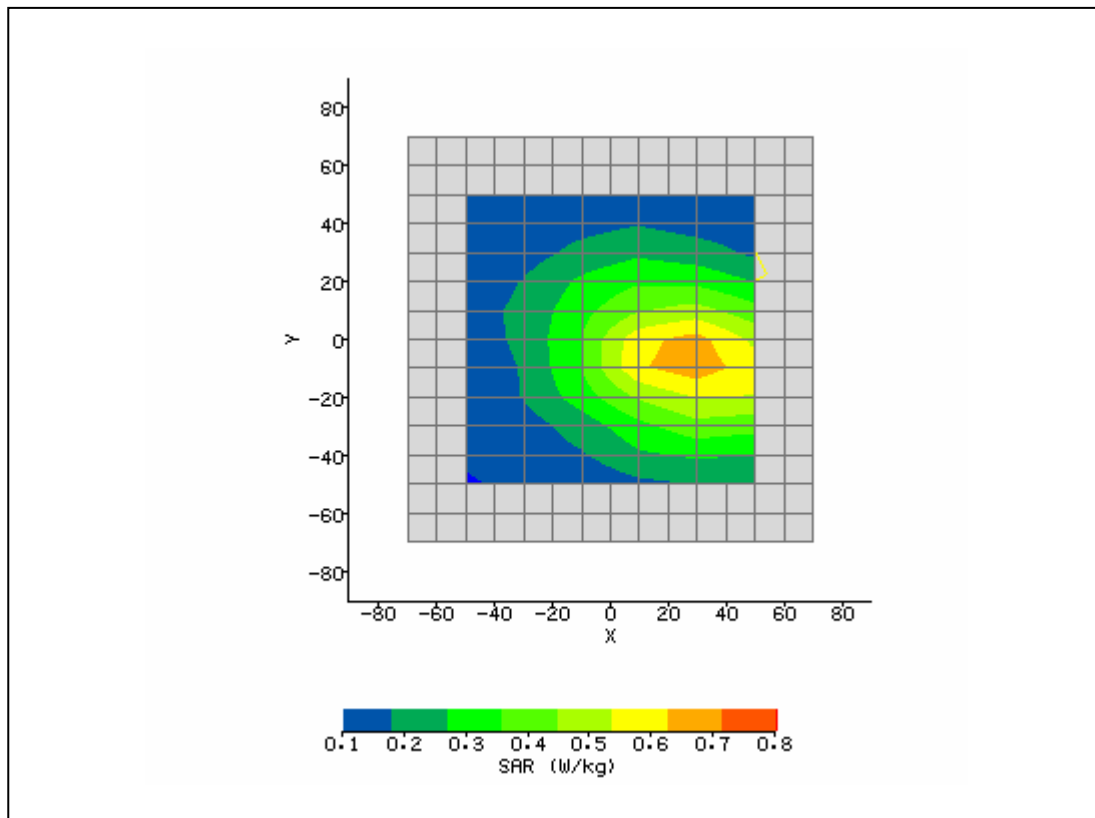
**Appendix A Plots**

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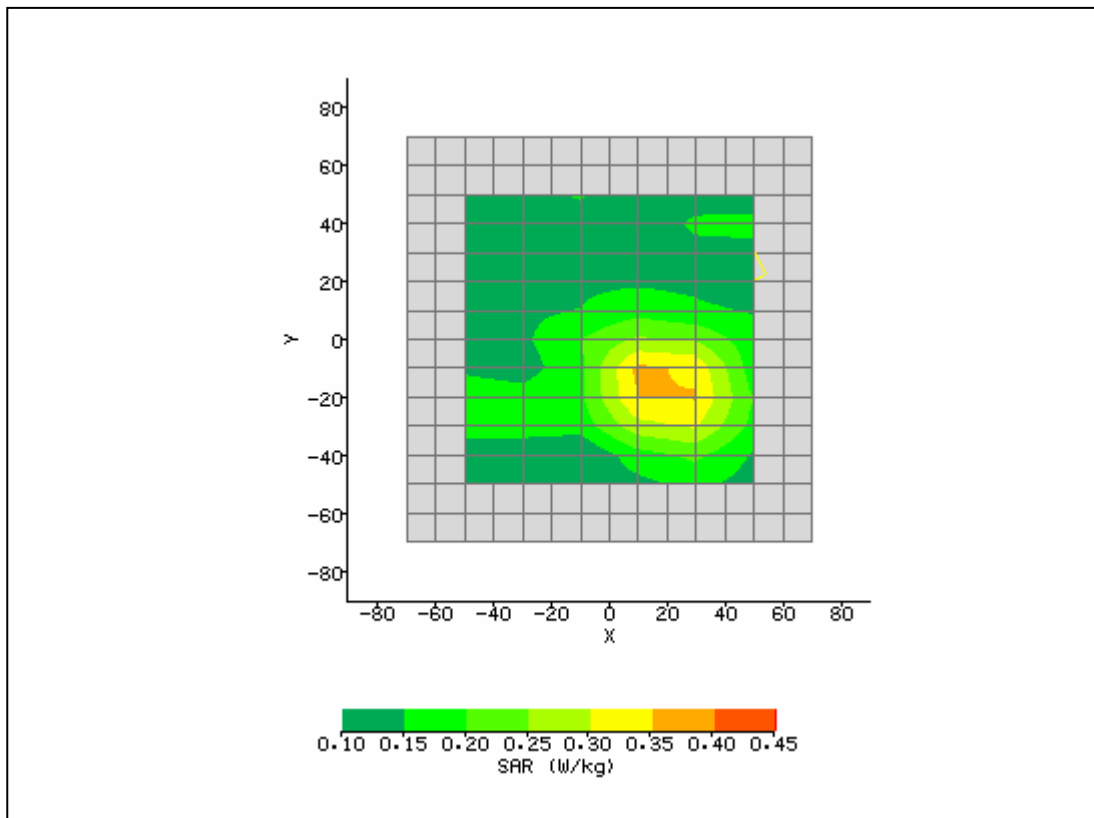
<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	
<b>Date / Time:</b>	10/4/2007 3:30:22 PM	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	Front_810_3d.txt	<b>Probe Serial Number:</b>	M0024
<b>Ambient Temperature:</b>	22.8°C	<b>Liquid Simulant:</b>	850
<b>Device Under Test:</b>	Panasonic Avionics WAN Modem	<b>Relative Permittivity:</b>	42.28
<b>Relative Humidity:</b>	30%	<b>Conductivity:</b>	0.918
<b>Phantom S/No:</b>	Head04_37.csv	<b>Liquid Temperature:</b>	22.0°C
<b>Phantom Rotation:</b>	180°	<b>Max SAR X-axis Location:</b>	28.00 mm
<b>DUT Position:</b>	Front 20mm	<b>Max SAR Y-axis Location:</b>	-12.00 mm
<b>Antenna Configuration:</b>	External	<b>Max E Field:</b>	27.03 V/m
<b>Test Frequency:</b>	836.6MHz	<b>SAR 1g:</b>	0.729 W/kg
<b>Air Factors:</b>	2685 / 2277 / 2238	<b>SAR 10g:</b>	
<b>Conversion Factors:</b>	.360 / .360 / .360	<b>SAR Start:</b>	0.296 W/kg
<b>Type of Modulation:</b>		<b>SAR End:</b>	0.308 W/kg
<b>Modn. Duty Cycle:</b>		<b>SAR Drift during Scan:</b>	4.05 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	10/04/07
<b>Input Power Level:</b>	2 time slots up	<b>Extrapolation:</b>	poly4



<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	
<b>Date / Time:</b>	10/4/2007 3:56:45 PM	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	Front_128_3d.txt	<b>Probe Serial Number:</b>	M0024
<b>Ambient Temperature:</b>	22.8°C	<b>Liquid Simulant:</b>	850
<b>Device Under Test:</b>	Panasonic Avionics WAN Modem	<b>Relative Permittivity:</b>	41.98
<b>Relative Humidity:</b>	30%	<b>Conductivity:</b>	0.921
<b>Phantom S/No:</b>	Head04_37.csv	<b>Liquid Temperature:</b>	22.0°C
<b>Phantom Rotation:</b>	180°	<b>Max SAR X-axis Location:</b>	26.00 mm
<b>DUT Position:</b>	Front 20mm	<b>Max SAR Y-axis Location:</b>	-6.00 mm
<b>Antenna Configuration:</b>	External	<b>Max E Field:</b>	27.67 V/m
<b>Test Frequency:</b>	848.8MHz	<b>SAR 1g:</b>	0.786 W/kg
<b>Air Factors:</b>	2685 / 2277 / 2238	<b>SAR 10g:</b>	
<b>Conversion Factors:</b>	.360 / .360 / .360	<b>SAR Start:</b>	0.297 W/kg
<b>Type of Modulation:</b>		<b>SAR End:</b>	0.321 W/kg
<b>Modn. Duty Cycle:</b>		<b>SAR Drift during Scan:</b>	5.08 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	10/04/07
<b>Input Power Level:</b>	2 time slots up	<b>Extrapolation:</b>	poly4



<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	
<b>Date / Time:</b>	10/4/2007 2:52:39 PM	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	Front_661_3d.txt	<b>Probe Serial Number:</b>	M0024
<b>Ambient Temperature:</b>	22.8°C	<b>Liquid Simulant:</b>	1900
<b>Device Under Test:</b>	Panasonic Avionics WAN Modem	<b>Relative Permittivity:</b>	41.02
<b>Relative Humidity:</b>	30%	<b>Conductivity:</b>	1.349
<b>Phantom S/No:</b>	Head04_37.csv	<b>Liquid Temperature:</b>	22.0°C
<b>Phantom Rotation:</b>	180°	<b>Max SAR X-axis Location:</b>	18.00 mm
<b>DUT Position:</b>	Front 20mm	<b>Max SAR Y-axis Location:</b>	-16.00 mm
<b>Antenna Configuration:</b>	External	<b>Max E Field:</b>	17.53 V/m
<b>Test Frequency:</b>	1850.2MHz	<b>SAR 1g:</b>	0.501 W/kg
<b>Air Factors:</b>	2685 / 2277 / 2238	<b>SAR 10g:</b>	
<b>Conversion Factors:</b>	.501 / .501 / .501	<b>SAR Start:</b>	0.189 W/kg
<b>Type of Modulation:</b>		<b>SAR End:</b>	0.196 W/kg
<b>Modn. Duty Cycle:</b>		<b>SAR Drift during Scan:</b>	3.70 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	10/04/07
<b>Input Power Level:</b>	3 time slots up	<b>Extrapolation:</b>	poly4



SAR Test Report No.:

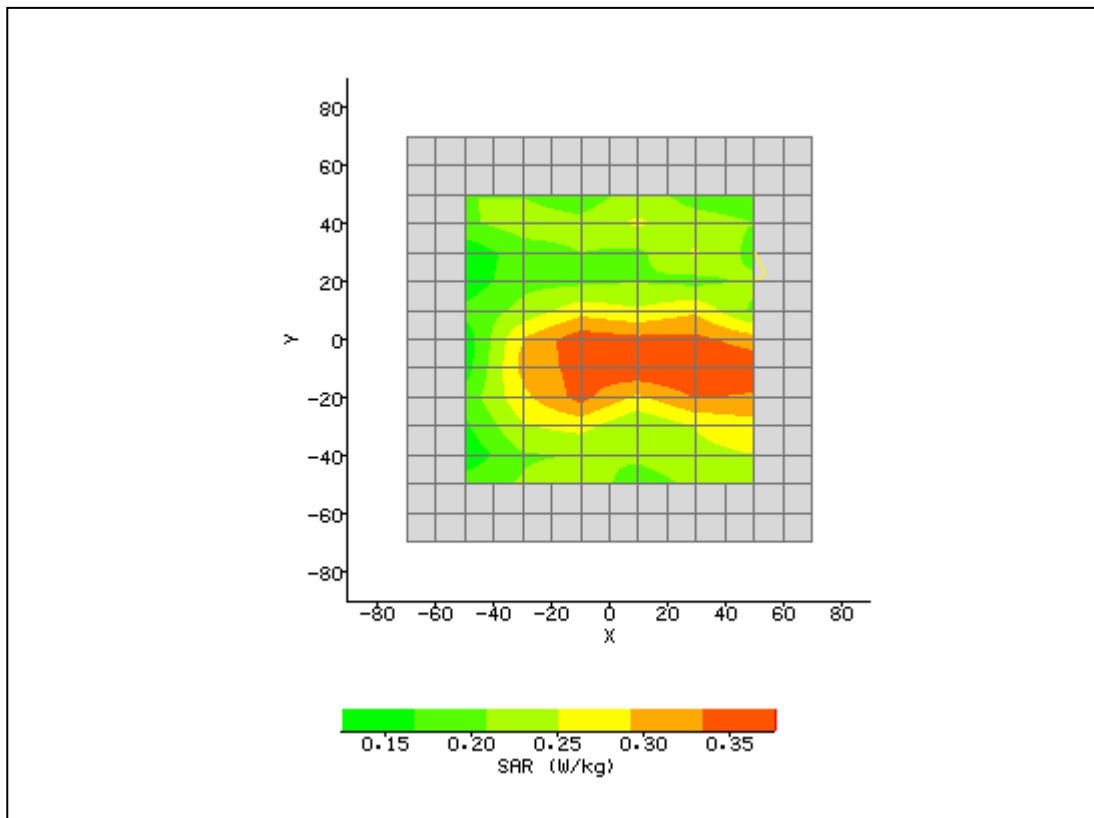
SAR\_PANA2\_003\_07001\_Cell\_Modem\_GSM\_FCC\_rev.1

Date of Report: 10/04/2007

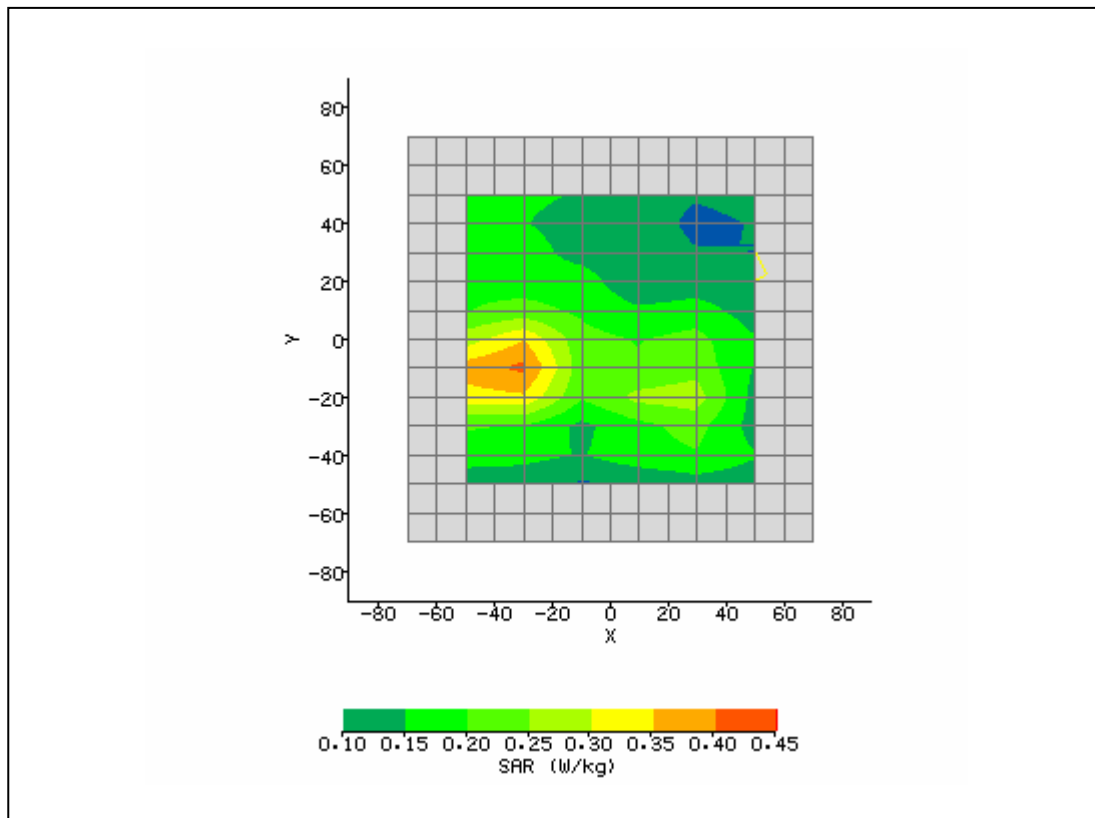
**Appendix A Plots**

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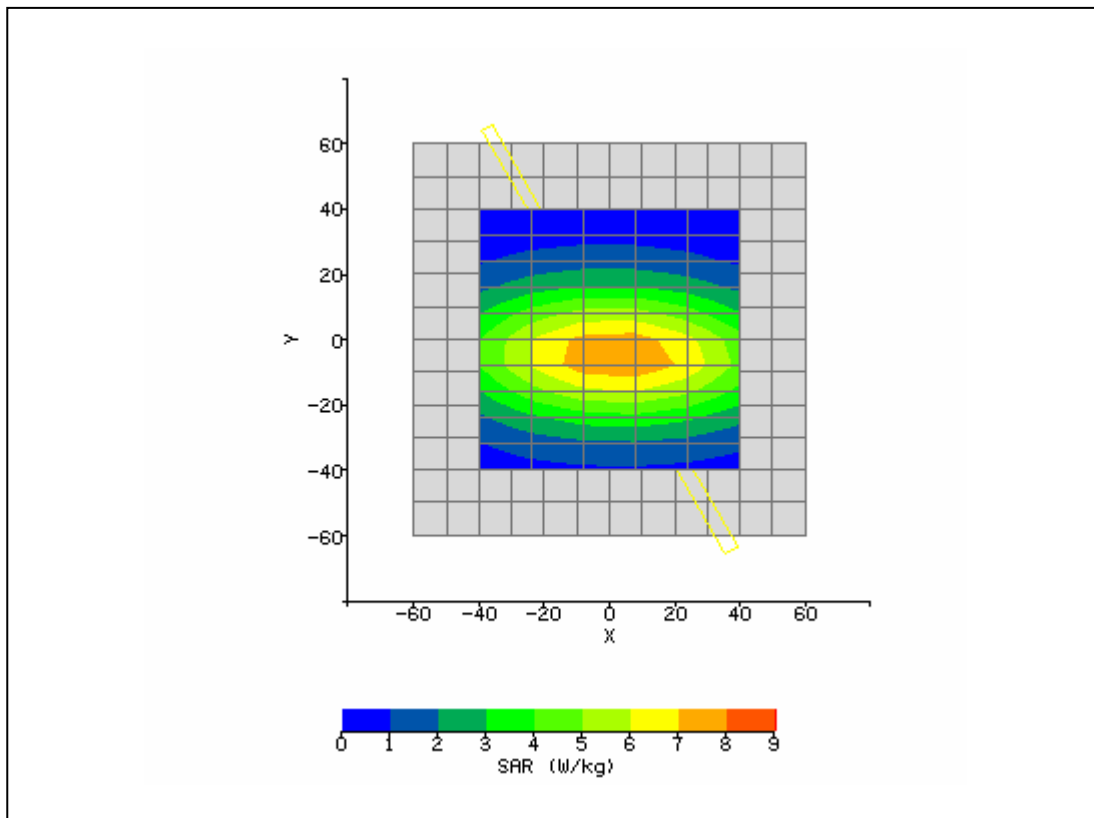
<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	
<b>Date / Time:</b>	10/4/2007 2:35:58 PM	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	temp.txt	<b>Probe Serial Number:</b>	M0024
<b>Ambient Temperature:</b>	22.8°C	<b>Liquid Simulant:</b>	1900
<b>Device Under Test:</b>	Panasonic Avionics WAN Modem	<b>Relative Permittivity:</b>	40.26
<b>Relative Humidity:</b>	30%	<b>Conductivity:</b>	1.356
<b>Phantom S/No:</b>	Head04_37.csv	<b>Liquid Temperature:</b>	22.0°C
<b>Phantom Rotation:</b>	180°	<b>Max SAR X-axis Location:</b>	14.00 mm
<b>DUT Position:</b>	Front 20mm	<b>Max SAR Y-axis Location:</b>	-8.00 mm
<b>Antenna Configuration:</b>	External	<b>Max E Field:</b>	16.41 V/m
<b>Test Frequency:</b>	1880MHz	<b>SAR 1g:</b>	0.451 W/kg
<b>Air Factors:</b>	2685 / 2277 / 2238	<b>SAR 10g:</b>	
<b>Conversion Factors:</b>	.501 / .501 / .501	<b>SAR Start:</b>	0.198 W/kg
<b>Type of Modulation:</b>		<b>SAR End:</b>	0.206 W/kg
<b>Modn. Duty Cycle:</b>		<b>SAR Drift during Scan:</b>	5.00 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	10/04/07
<b>Input Power Level:</b>	3 time slots up	<b>Extrapolation:</b>	poly4



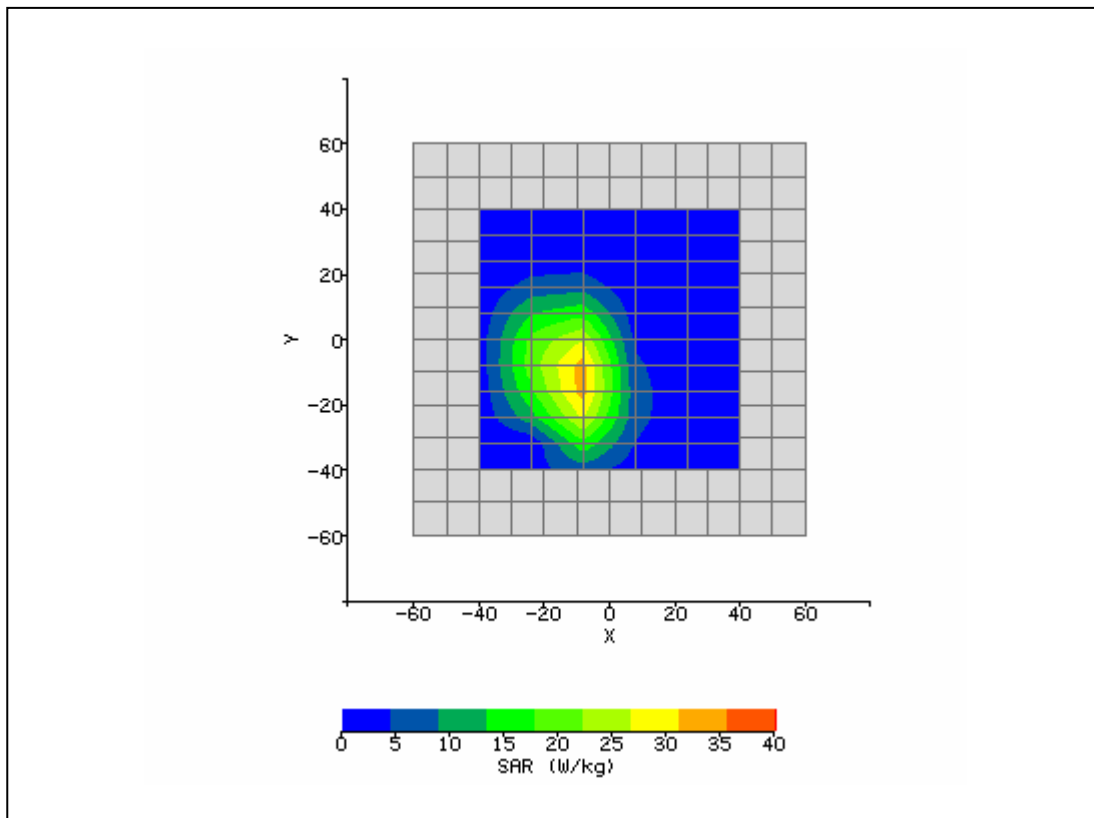
<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	
<b>Date / Time:</b>	10/4/2007 3:05:26 PM	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	Front_512_3d.txt	<b>Probe Serial Number:</b>	M0024
<b>Ambient Temperature:</b>	22.8°C	<b>Liquid Simulant:</b>	1900
<b>Device Under Test:</b>	Panasonic Avionics WAN Modem	<b>Relative Permittivity:</b>	39.73
<b>Relative Humidity:</b>	30%	<b>Conductivity:</b>	1.362
<b>Phantom S/No:</b>	Head04_37.csv	<b>Liquid Temperature:</b>	22.0°C
<b>Phantom Rotation:</b>	180°	<b>Max SAR X-axis Location:</b>	-38.00 mm
<b>DUT Position:</b>	Front 20mm	<b>Max SAR Y-axis Location:</b>	-11.00 mm
<b>Antenna Configuration:</b>	External	<b>Max E Field:</b>	17.78 V/m
<b>Test Frequency:</b>	1909.8MHz	<b>SAR 1g:</b>	0.529 W/kg
<b>Air Factors:</b>	2685 / 2277 / 2238	<b>SAR 10g:</b>	
<b>Conversion Factors:</b>	.501 / .501 / .501	<b>SAR Start:</b>	0.195 W/kg
<b>Type of Modulation:</b>		<b>SAR End:</b>	0.203 W/kg
<b>Modn. Duty Cycle:</b>		<b>SAR Drift during Scan:</b>	4.10 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	10/04/07
<b>Input Power Level:</b>	3 time slots up	<b>Extrapolation:</b>	poly4



<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	
<b>Date / Time:</b>	9/10/2007 10:48:13 AM	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	temp.txt	<b>Probe Serial Number:</b>	M0024
<b>Ambient Temperature:</b>	22.8°C	<b>Liquid Simulant:</b>	850
<b>Device Under Test:</b>	System	<b>Relative Permittivity:</b>	41.72
<b>Relative Humidity:</b>	30%	<b>Conductivity:</b>	0.899
<b>Phantom S/No:</b>	HeadBox2.csv	<b>Liquid Temperature:</b>	22.0°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR X-axis Location:</b>	3.20 mm
<b>DUT Position:</b>	8 mm	<b>Max SAR Y-axis Location:</b>	-4.80 mm
<b>Antenna Configuration:</b>	Dipole 835	<b>Max E Field:</b>	94.90 V/m
<b>Test Frequency:</b>	835MHz	<b>SAR 1g:</b>	10.155 W/kg
<b>Air Factors:</b>	2685 / 2277 / 2238	<b>SAR 10g:</b>	6.513 W/kg
<b>Conversion Factors:</b>	.360 / .360 / .360	<b>SAR Start:</b>	2.175 W/kg
<b>Type of Modulation:</b>		<b>SAR End:</b>	2.232 W/kg
<b>Modn. Duty Cycle:</b>		<b>SAR Drift during Scan:</b>	2.63 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	09/10/07
<b>Input Power Level:</b>	1 W	<b>Extrapolation:</b>	poly4

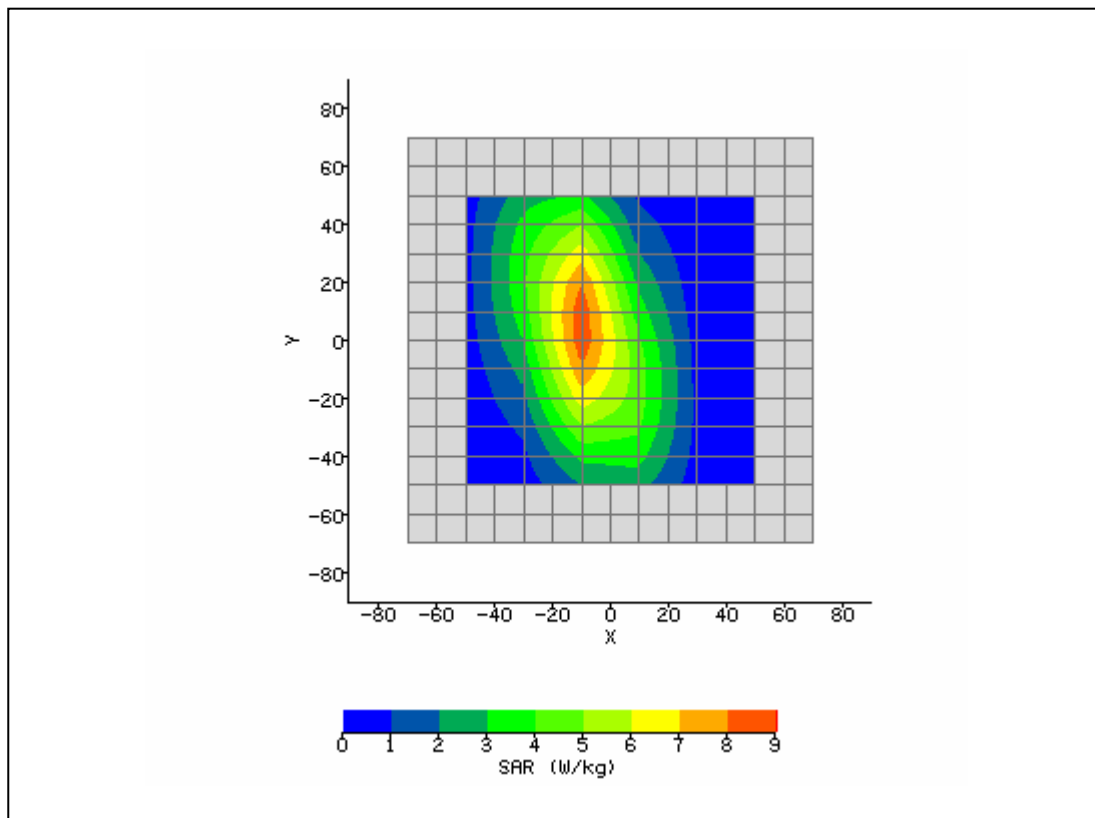


<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	
<b>Date / Time:</b>	9/10/2007 1:15:03 PM	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	temp.txt	<b>Probe Serial Number:</b>	M0024
<b>Ambient Temperature:</b>	22.8°C	<b>Liquid Simulant:</b>	1800
<b>Device Under Test:</b>	System	<b>Relative Permittivity:</b>	41.28
<b>Relative Humidity:</b>	30%	<b>Conductivity:</b>	1.415
<b>Phantom S/No:</b>	HeadBox2.csv	<b>Liquid Temperature:</b>	22.0°C
<b>Phantom Rotation:</b>	0°	<b>Max SAR X-axis Location:</b>	-11.20 mm
<b>DUT Position:</b>	8 mm	<b>Max SAR Y-axis Location:</b>	-11.20 mm
<b>Antenna Configuration:</b>	Dipole 1900	<b>Max E Field:</b>	162.32 V/m
<b>Test Frequency:</b>	1900MHz	<b>SAR 1g:</b>	43.029 W/kg
<b>Air Factors:</b>	2685 / 2277 / 2238	<b>SAR 10g:</b>	22.488 W/kg
<b>Conversion Factors:</b>	.501 / .501 / .501	<b>SAR Start:</b>	5.325 W/kg
<b>Type of Modulation:</b>		<b>SAR End:</b>	5.289 W/kg
<b>Modn. Duty Cycle:</b>		<b>SAR Drift during Scan:</b>	-0.68 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	09/10/07
<b>Input Power Level:</b>	1 W	<b>Extrapolation:</b>	poly4





<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	
<b>Date / Time:</b>	10/3/2007 11:03:19 AM	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	temp.txt	<b>Probe Serial Number:</b>	M0024
<b>Ambient Temperature:</b>	22.8°C	<b>Liquid Simulant:</b>	850
<b>Device Under Test:</b>	System	<b>Relative Permittivity:</b>	42.31
<b>Relative Humidity:</b>	30%	<b>Conductivity:</b>	0.918
<b>Phantom S/No:</b>	Head04_37.csv	<b>Liquid Temperature:</b>	22.0°C
<b>Phantom Rotation:</b>	180°	<b>Max SAR X-axis Location:</b>	-10.00 mm
<b>DUT Position:</b>	8mm	<b>Max SAR Y-axis Location:</b>	5.00 mm
<b>Antenna Configuration:</b>	835 Dipole	<b>Max E Field:</b>	98.73 V/m
<b>Test Frequency:</b>	835MHz	<b>SAR 1g:</b>	10.309 W/kg
<b>Air Factors:</b>	2685 / 2277 / 2238	<b>SAR 10g:</b>	6.531 W/kg
<b>Conversion Factors:</b>	.360 / .360 / .360	<b>SAR Start:</b>	2.345 W/kg
<b>Type of Modulation:</b>		<b>SAR End:</b>	2.354 W/kg
<b>Modn. Duty Cycle:</b>		<b>SAR Drift during Scan:</b>	0.39 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	10/03/07
<b>Input Power Level:</b>	1W	<b>Extrapolation:</b>	poly4



SAR Test Report No.:

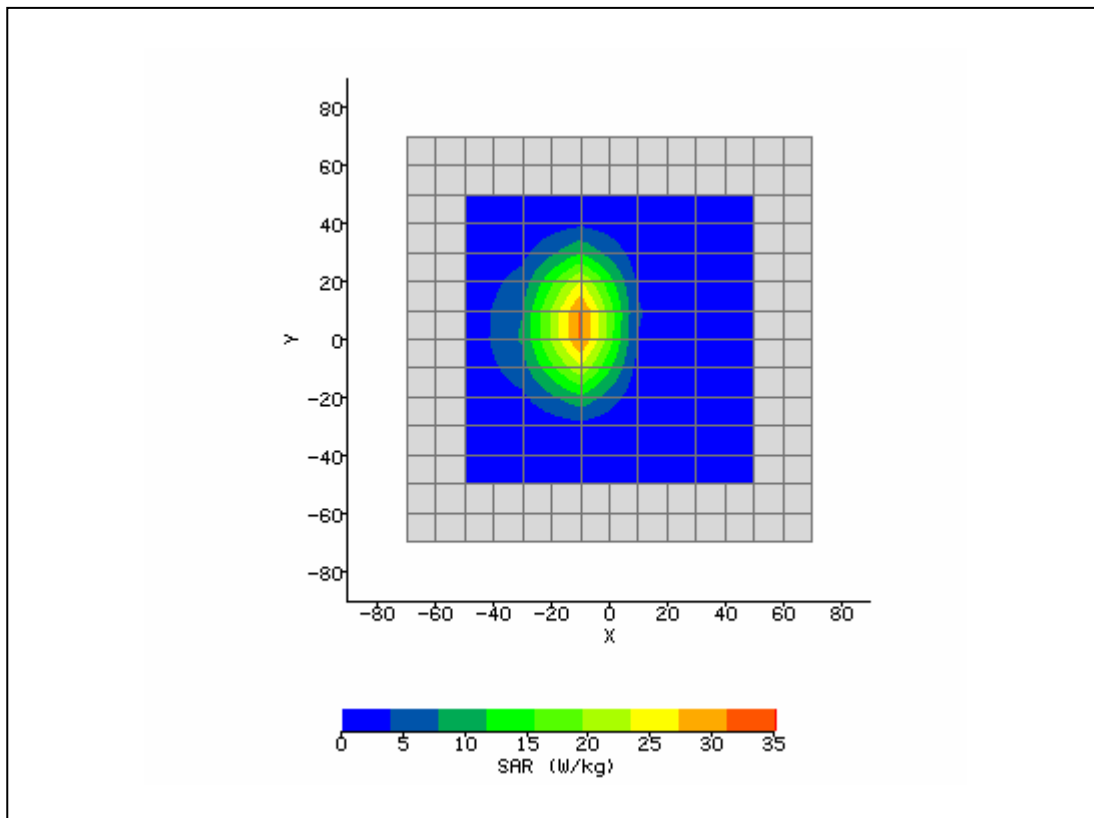
SAR\_PANA2\_003\_07001\_Cell\_Modem\_GSM\_FCC\_rev.1

Date of Report: 10/04/2007

**Appendix A Plots**

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<b>System / software:</b>	SARA2 / 2.40 VPM	<b>Input Power Drift:</b>	
<b>Date / Time:</b>	10/3/2007 10:19:06 AM	<b>DUT Battery Model/No:</b>	
<b>Filename:</b>	temp.txt	<b>Probe Serial Number:</b>	M0024
<b>Ambient Temperature:</b>	22.8°C	<b>Liquid Simulant:</b>	1900
<b>Device Under Test:</b>	System	<b>Relative Permittivity:</b>	39.73
<b>Relative Humidity:</b>	30%	<b>Conductivity:</b>	1.36
<b>Phantom S/No:</b>	Head04_37.csv	<b>Liquid Temperature:</b>	22.0°C
<b>Phantom Rotation:</b>	180°	<b>Max SAR X-axis Location:</b>	-12.00 mm
<b>DUT Position:</b>	8mm	<b>Max SAR Y-axis Location:</b>	5.00 mm
<b>Antenna Configuration:</b>	1900 Dipole	<b>Max E Field:</b>	159.62 V/m
<b>Test Frequency:</b>	1900MHz	<b>SAR 1g:</b>	39.793 W/kg
<b>Air Factors:</b>	2685 / 2277 / 2238	<b>SAR 10g:</b>	21.126 W/kg
<b>Conversion Factors:</b>	.501 / .501 / .501	<b>SAR Start:</b>	5.142 W/kg
<b>Type of Modulation:</b>		<b>SAR End:</b>	5.190 W/kg
<b>Modn. Duty Cycle:</b>		<b>SAR Drift during Scan:</b>	0.94 %
<b>Diode Compression Factors (V*200):</b>	20 / 20 / 20	<b>Probe battery last changed:</b>	10/03/07
<b>Input Power Level:</b>	1W	<b>Extrapolation:</b>	poly4



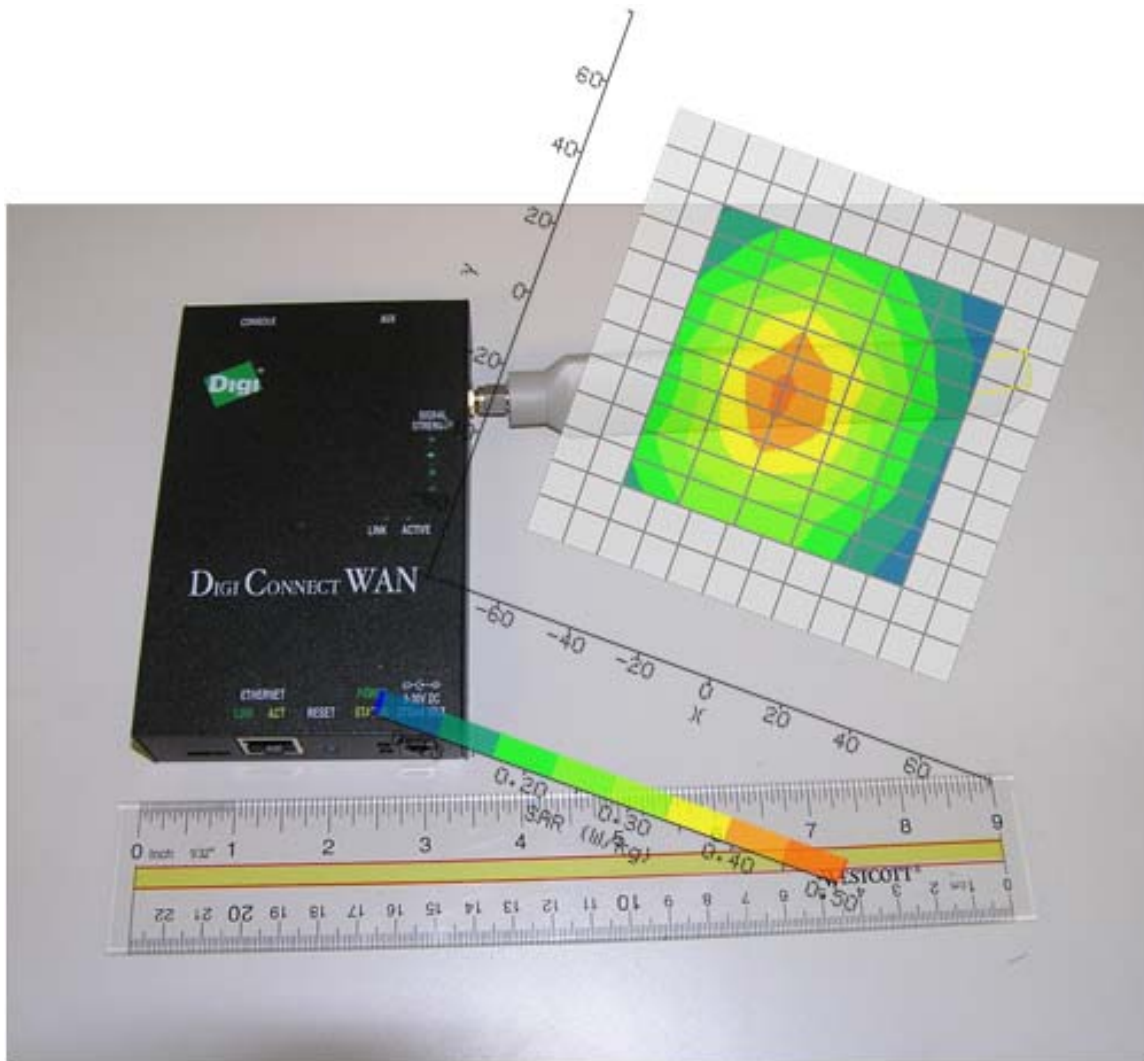


Photo shows the device in relation to the SAR area scan.