CETECOM™

Plot 1: Bottom 824.2MHz

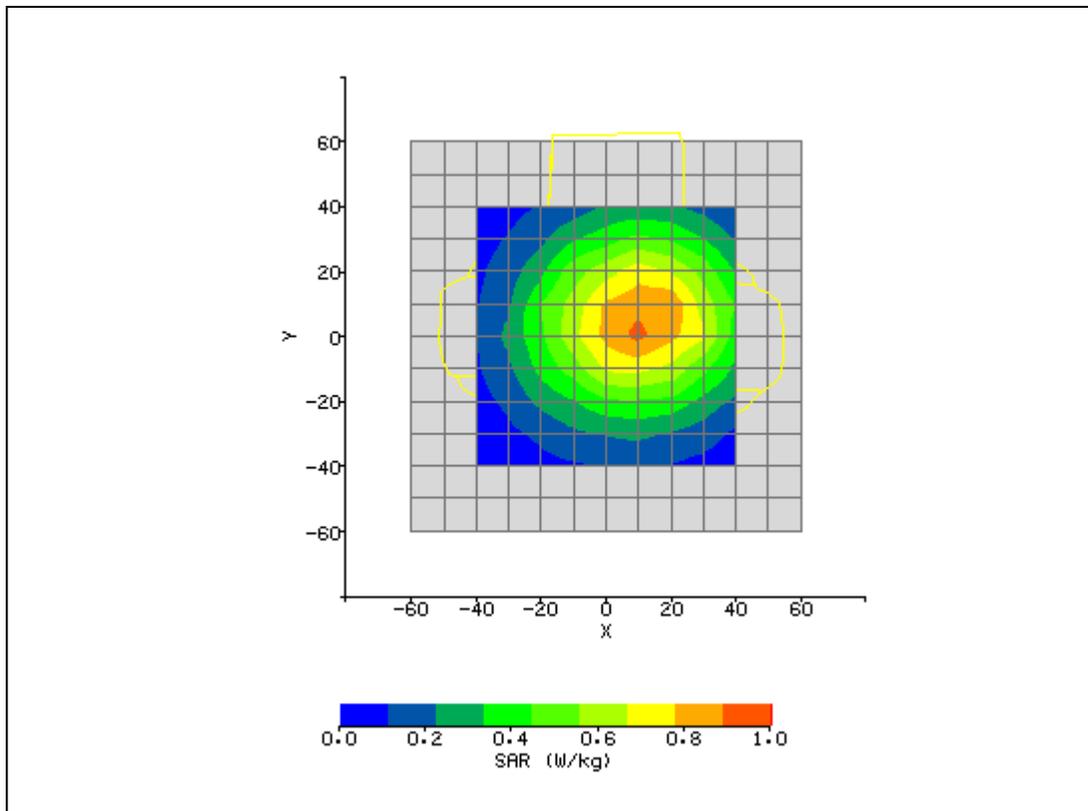|				
System / software:	SARA2 / 2.54 VPM coloc		**Input Power Drift:**	
Date / Time:	9/20/2010 5:16:35 PM		**DUT Battery Model/No:**	
Filename:	GSM824_Bottom.txt		**Probe Serial Number:**	0116
Ambient Temperature:	20.6°C		**Liquid Simulant:**	850
Device Under Test:	Garmin Retriever SN 380793216		**Relative Permittivity:**	54.31
Relative Humidity:	50.4%		**Conductivity:**	0.971
Phantom S/No:	Head04_37.csv		**Liquid Temperature:**	21°C
Phantom Rotation:	180°		**Max SAR X-axis Location:**	10.00 mm
DUT Position:	Bottom in Case		**Max SAR Y-axis Location:**	4.00 mm
Antenna Configuration:	Integral		**Max E Field:**	26.40 V/m
Test Frequency:	824.2MHz		**SAR 1g:**	0.768 W/kg
Air Factors:	936.77 / 700.45 / 673.31		**SAR 10g:**	
Conversion Factors:	0.24 / 0.27 / 0.26		**SAR Start:**	0.215 W/kg
Type of Modulation:			**SAR End:**	0.209 W/kg
Modn. Duty Cycle:			**SAR Drift during Scan:**	-4.08 %
Diode Compression Factors (V*200):	20 / 20 / 20		**Probe battery last changed:**	09/20/10
Input Power Level:	2 uplink timeslots		**Extrapolation:**	poly4
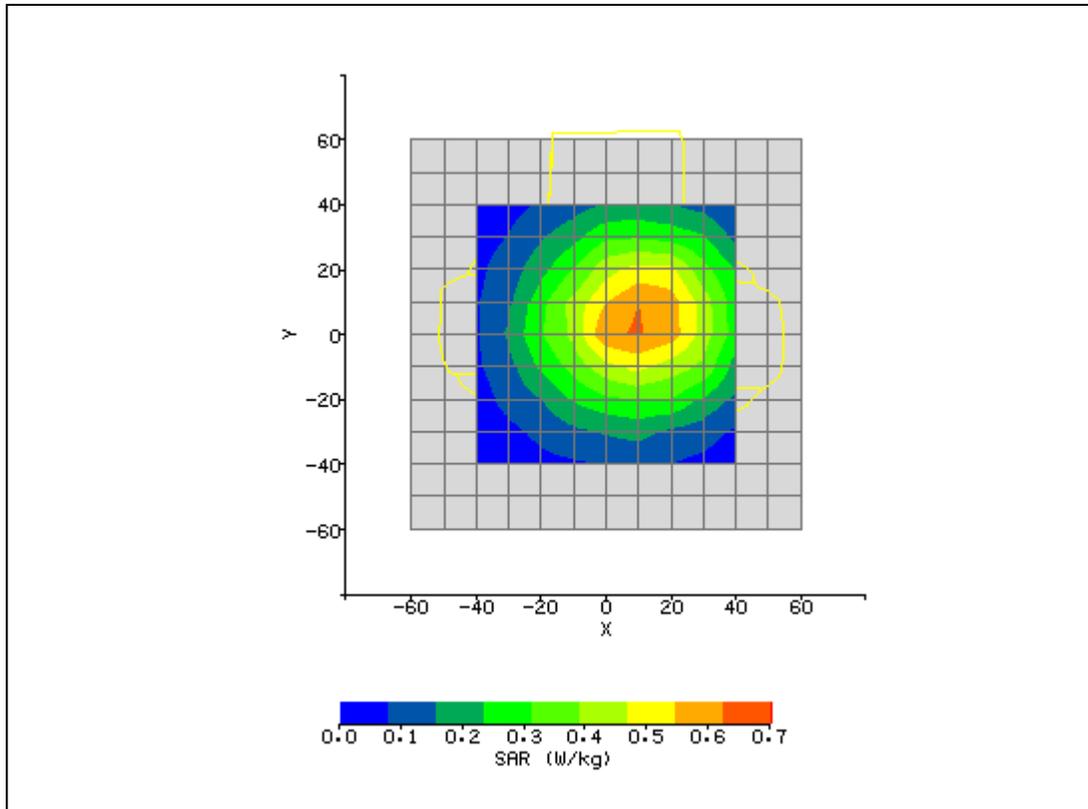
Plot 2: Bottom 836.6 MHz

System / software:	SARA2 / 2.54 VPM coloc		**Input Power Drift:**	
Date / Time:	9/20/2010 4:56:44 PM		**DUT Battery Model/No:**	
Filename:	GSM836_Bottom.txt		**Probe Serial Number:**	0116
Ambient Temperature:	20.6°C		**Liquid Simulant:**	850
Device Under Test:	Garmin Retriever SN 380793216		**Relative Permittivity:**	54.13
Relative Humidity:	50.4%		**Conductivity:**	0.98
Phantom S/No:	Head04_37.csv		**Liquid Temperature:**	21°C
Phantom Rotation:	180°		**Max SAR X-axis Location:**	13.00 mm
DUT Position:	Bottom in Case		**Max SAR Y-axis Location:**	4.00 mm
Antenna Configuration:	Integral		**Max E Field:**	32.15 V/m
Test Frequency:	836.6MHz		**SAR 1g:**	1.189 W/kg
Air Factors:	936.77 / 700.45 / 673.31		**SAR 10g:**	
Conversion Factors:	0.24 / 0.27 / 0.26		**SAR Start:**	0.341 W/kg
Type of Modulation:			**SAR End:**	0.329 W/kg
Modn. Duty Cycle:			**SAR Drift during Scan:**	-2.43 %
Diode Compression Factors (V*200):	20 / 20 / 20		**Probe battery last changed:**	09/20/10
Input Power Level:	2 uplink timeslots		**Extrapolation:**	poly4
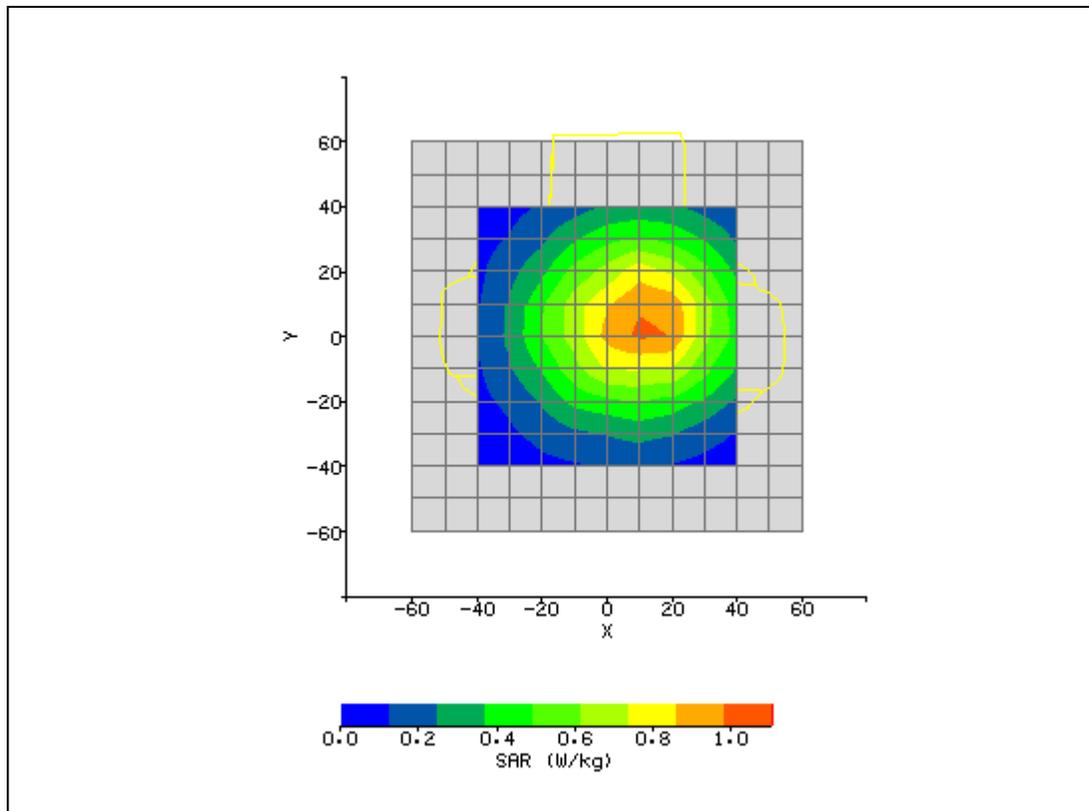
Plot 3: Bottom 848.8MHz

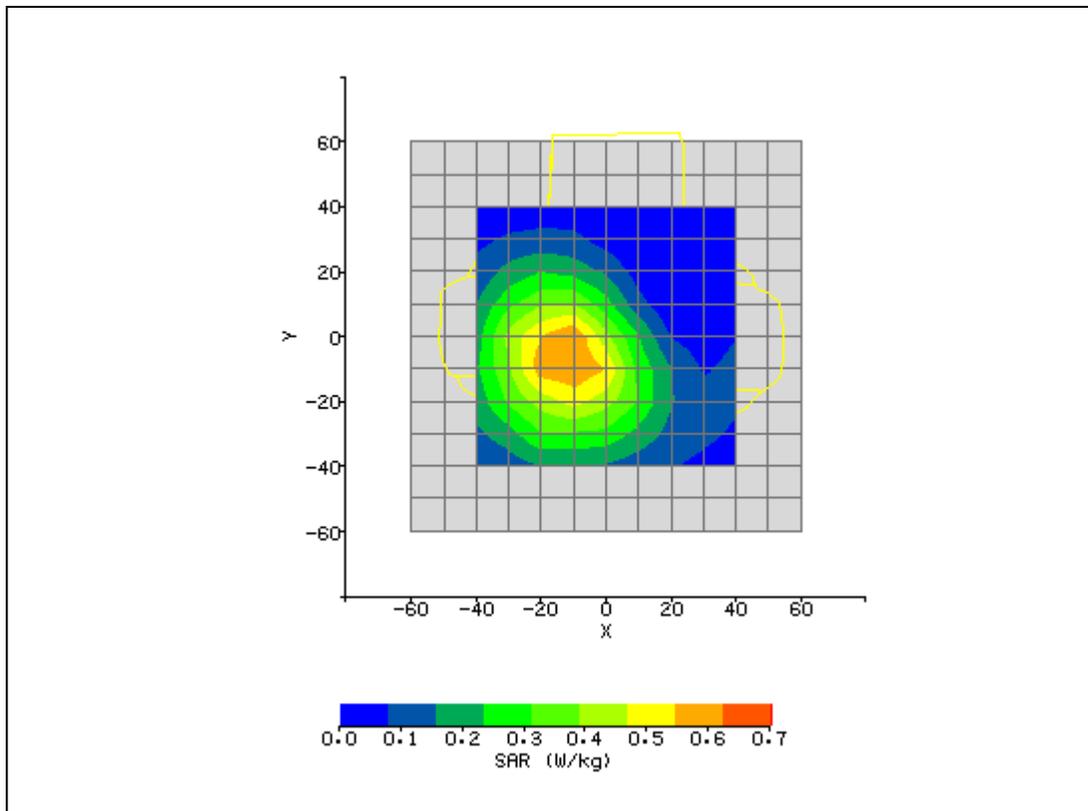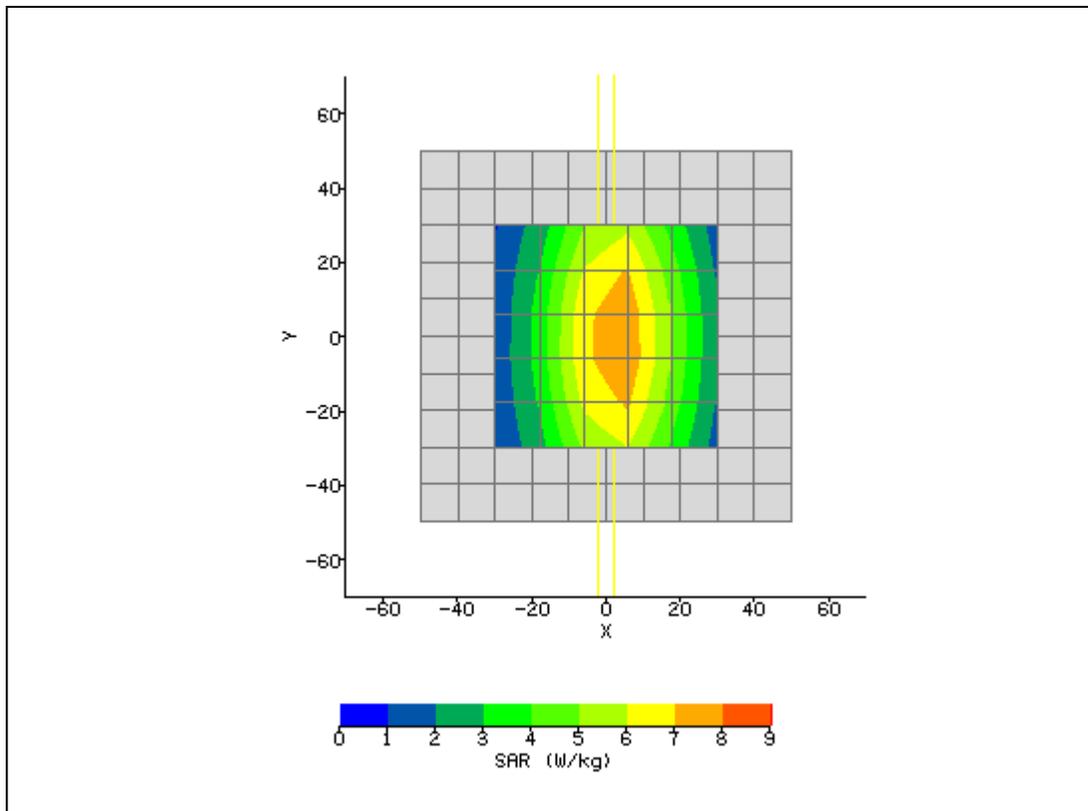| System / software:	SARA2 / 2.54 VPM coloc		Input Power Drift:	
Date / Time:	9/20/2010 5:37:12 PM		DUT Battery Model/No:	
Filename:	GSM848_Bottom.txt		Probe Serial Number:	0116
Ambient Temperature:	20.6°C		Liquid Simulant:	850
Device Under Test:	Garmin Retriever SN 380793216		Relative Permittivity:	53.99
Relative Humidity:	50.4%		Conductivity:	0.984
Phantom S/No:	Head04_37.csv		Liquid Temperature:	21°C
Phantom Rotation:	180°		Max SAR X-axis Location:	11.00 mm
DUT Position:	Bottom in Case		Max SAR Y-axis Location:	4.00 mm
Antenna Configuration:	Integral		Max E Field:	31.18 V/m
Test Frequency:	848.8MHz		SAR 1g:	1.129 W/kg
Air Factors:	936.77 / 700.45 / 673.31		SAR 10g:	
Conversion Factors:	0.24 / 0.27 / 0.26		SAR Start:	0.308 W/kg
Type of Modulation:			SAR End:	0.302 W/kg
Modn. Duty Cycle:			SAR Drift during Scan:	-1.95 %
Diode Compression Factors (V*200):	20 / 20 / 20		Probe battery last changed:	09/20/10
Input Power Level:	2 uplink timeslots		Extrapolation:	poly4

Plot 4: Bottom 1880MHz

System / software:	SARA2 / 2.54 VPM coloc		**Input Power Drift:**	
Date / Time:	9/20/2010 10:46:30 AM		**DUT Battery Model/No:**	
Filename:	WCDMA836_Right Touch_With Card.txt		**Probe Serial Number:**	0116
Ambient Temperature:	20.6°C		**Liquid Simulant:**	1900
Device Under Test:	Garmin Retriever SN 380793216		**Relative Permittivity:**	51.63
Relative Humidity:	50.4%		**Conductivity:**	1.51
Phantom S/No:	Head04_37.csv		**Liquid Temperature:**	21°C
Phantom Rotation:	180°		**Max SAR X-axis Location:**	-12.00 mm
DUT Position:	Bottom in Case		**Max SAR Y-axis Location:**	-6.00 mm
Antenna Configuration:	Integral		**Max E Field:**	20.46 V/m
Test Frequency:	1880MHz		**SAR 1g:**	0.778 W/kg
Air Factors:	936.77 / 700.45 / 673.31		**SAR 10g:**	
Conversion Factors:	0.34 / 0.33 / 0.35		**SAR Start:**	0.142 W/kg
Type of Modulation:			**SAR End:**	0.135 W/kg
Modn. Duty Cycle:			**SAR Drift during Scan:**	-4.57 %
Diode Compression Factors (V*200):	20 / 20 / 20		**Probe battery last changed:**	09/20/10
Input Power Level:	2 uplink timeslots		**Extrapolation:**	poly4

Plot 5: Validation 835MHz

System / software:	SARA2 / 2.54 VPM coloc		**Input Power Drift:**	
Date / Time:	9/20/2010 2:54:10 PM		**DUT Battery Model/No:**	
Filename:	GSM1880_Bottom.txt		**Probe Serial Number:**	0116
Ambient Temperature:	20.6°C		**Liquid Simulant:**	850
Device Under Test:	Systsem		**Relative Permittivity:**	54.14
Relative Humidity:	50.4%		**Conductivity:**	0.981
Phantom S/No:	Head04_37.csv		**Liquid Temperature:**	21°C
Phantom Rotation:	180°		**Max SAR X-axis Location:**	3.60 mm
DUT Position:	15mm		**Max SAR Y-axis Location:**	-1.20 mm
Antenna Configuration:	Dipole		**Max E Field:**	91.29 V/m
Test Frequency:	835MHz		**SAR 1g:**	9.889 W/kg
Air Factors:	936.77 / 700.45 / 673.31		**SAR 10g:**	
Conversion Factors:	0.24 / 0.27 / 0.26		**SAR Start:**	2.487 W/kg
Type of Modulation:			**SAR End:**	2.482 W/kg
Modn. Duty Cycle:			**SAR Drift during Scan:**	-0.19 %
Diode Compression Factors (V*200):	20 / 20 / 20		**Probe battery last changed:**	09/20/10
Input Power Level:	1W		**Extrapolation:**	poly4

Plot 6: Validation 1880MHz

System / software:	SARA2 / 2.54 VPM coloc		**Input Power Drift:**	
Date / Time:	9/20/2010 9:41:26 AM		**DUT Battery Model/No:**	
Filename:	WCDMA836_Right Touch_With Card.txt		**Probe Serial Number:**	0116
Ambient Temperature:	20.6°C		**Liquid Simulant:**	1900
Device Under Test:	System		**Relative Permittivity:**	51.39
Relative Humidity:	50.4%		**Conductivity:**	1.507
Phantom S/No:	Head04_37.csv		**Liquid Temperature:**	21°C
Phantom Rotation:	180°		**Max SAR X-axis Location:**	2.40 mm
DUT Position:	10mm		**Max SAR Y-axis Location:**	-8.40 mm
Antenna Configuration:	Dipole		**Max E Field:**	148.35 V/m
Test Frequency:	1900MHz		**SAR 1g:**	41.281 W/kg
Air Factors:	936.77 / 700.45 / 673.31		**SAR 10g:**	
Conversion Factors:	0.34 / 0.33 / 0.35		**SAR Start:**	6.004 W/kg
Type of Modulation:			**SAR End:**	5.960 W/kg
Modn. Duty Cycle:			**SAR Drift during Scan:**	-0.73 %
Diode Compression Factors (V*200):	20 / 20 / 20		**Probe battery last changed:**	08/24/10
Input Power Level:	1W		**Extrapolation:**	poly4