APPENDIX B
PLOTS OF THE SAR MEASUREMENTS

Plots of the measured SAR distributions inside the phantom are given in this Appendix for all tested configurations. The spatial peak SAR values were assessed with the procedure described in this report.

Table 17: 850 MHz SAR Plots

Test Position	Plot Number	Test Channel
Hand Held Back Side Position	1	128
	2	190
	3	251
Hand Held Front Side Position	4	190
Belt-Clip – with holster	5	190
Z-Axis Scans for plots 1 to 5		

Table 18: 1900 MHz SAR Plots

Test Position	Plot Number	Test Channel
Hand Held Back Side Position	6	512
	7	661
	8	810
Hand Held Front Side Position	9	661
Belt-Clip – with holster	10	661
Z-Axis Scans for plots 6 to 10		

Table 19: SAR Validation Plots

Plot Number	Date	Frequency
Plot 11	Validation 20-April-2004	850MHz
Plot 12	Validation 21-April-2004	1900MHz

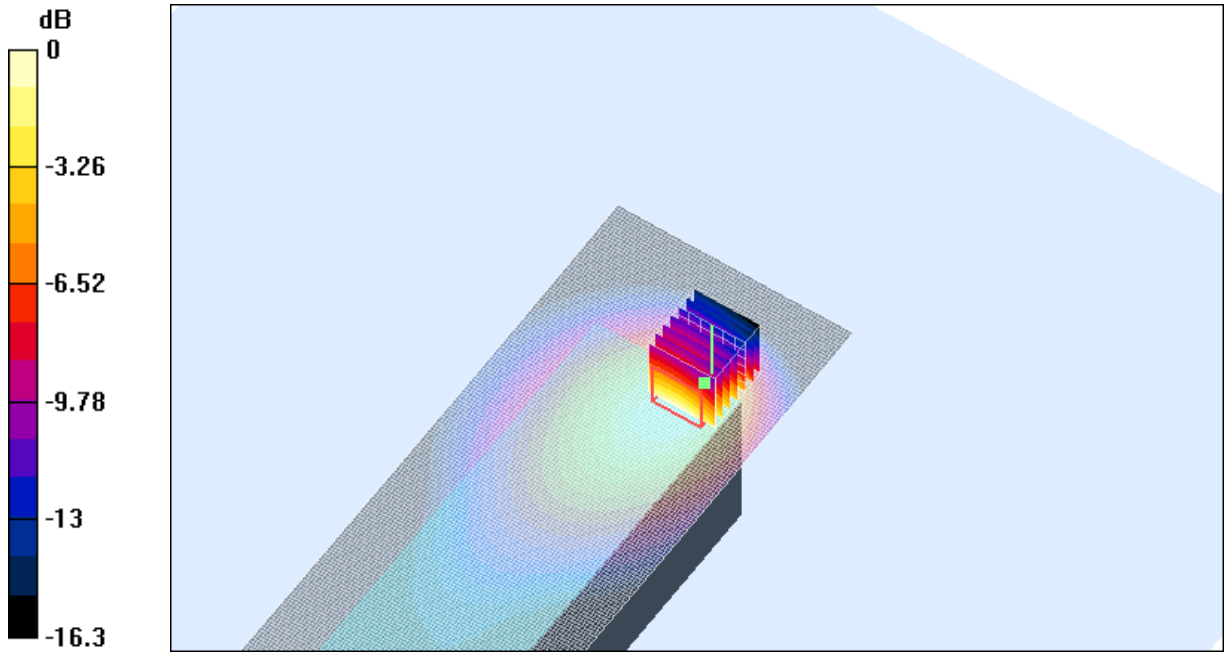
Z-Axis Scans for plots 6 to 10

Test Date: 20 April 2005
File Name: Hand Held Back Side (No Holster) 850 MHz GSM (DAE442 Probe1377) 20-04-05.da4
DUT: GSM Portable EFTPOS Terminal; Type: KT-78 -205; Serial: A00000002

* Communication System: GSM-PCS (850 MHz, 1900MHz) FCC; Frequency: 824 MHz; Duty Cycle: 1:8.3
* Medium parameters used: σ = 0.97068; mho/m, ε_r = 53.3332; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(5.9, 5.9, 5.9)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 128 Test 2/Area Scan (181x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.566 mW/g

Channel 128 Test 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.5 V/m; Power Drift = -0.0 dB
Peak SAR (extrapolated) = 1.4 W/kg
SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.277 mW/g
Maximum value of SAR (measured) = 0.510 mW/g



0 dB = 0.510mW/g

SAR MEASUREMENT PLOT 1

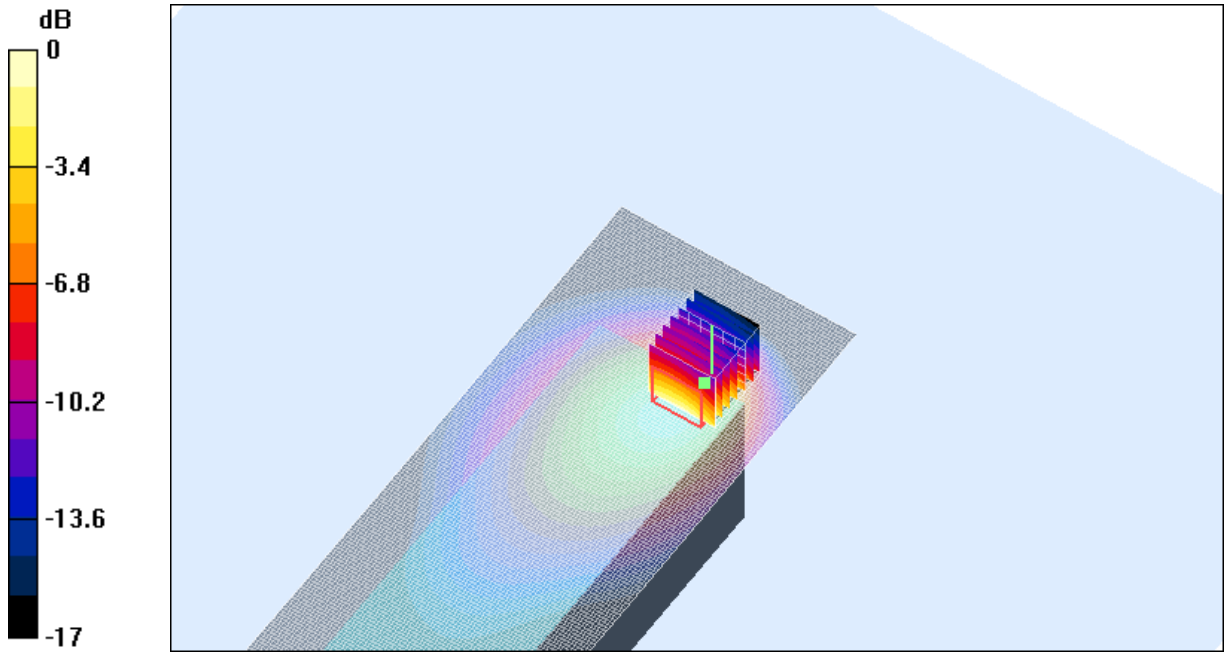
Ambient Temperature	**21.5 Degrees Celsius**
Liquid Temperature	**20.8 Degrees Celsius**
Humidity	**46.0 %**

Test Date: 20 April 2005
File Name: Hand Held Back Side (No Holster) 850 MHz GSM (DAE442 Probe1377) 20-04-05.da4
DUT: GSM Portable EFTPOS Terminal; Type: KT-78 -205; Serial: A00000002

* Communication System: GSM-PCS (850 MHz, 1900MHz) FCC; Frequency: 836 MHz; Duty Cycle: 1:8.3
* Medium parameters used: f = 836 MHz; σ = 0.98 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(5.9, 5.9, 5.9)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 190 Test/Area Scan (181x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.526 mW/g

Channel 190 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.4 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.453 mW/g; SAR(10 g) = 0.256 mW/g
Maximum value of SAR (measured) = 0.488 mW/g



0 dB = 0.488mW/g

SAR MEASUREMENT PLOT 2

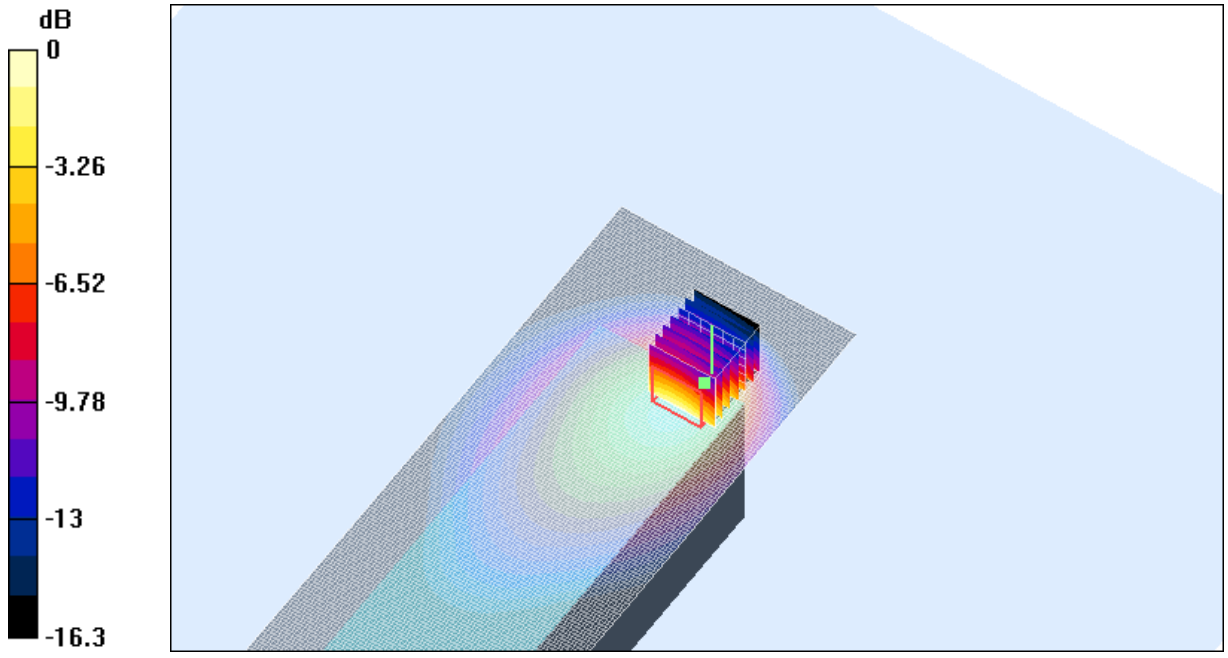
Ambient Temperature	**21.5 Degrees Celsius**
Liquid Temperature	**20.8 Degrees Celsius**
Humidity	**46.0 %**

Test Date: 20 April 2005
File Name: Hand Held Back Side (No Holster) 850 MHz GSM (DAE442 Probe1377) 20-04-05.da4
DUT: GSM Portable EFTPOS Terminal; Type: KT-78 -205; Serial: A00000002

* Communication System: GSM-PCS (850 MHz, 1900MHz) FCC; Frequency: 849 MHz; Duty Cycle: 1:8.3
* Medium parameters used (interpolated): f = 849 MHz; σ = 0.996 mho/m; ε_r = 53; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(5.9, 5.9, 5.9)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 251 Test/Area Scan (181x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.482 mW/g

Channel 251 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.1 V/m; Power Drift = 0.0 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.416 mW/g; SAR(10 g) = 0.232 mW/g
Maximum value of SAR (measured) = 0.451 mW/g



0 dB = 0.451mW/g

SAR MEASUREMENT PLOT 3

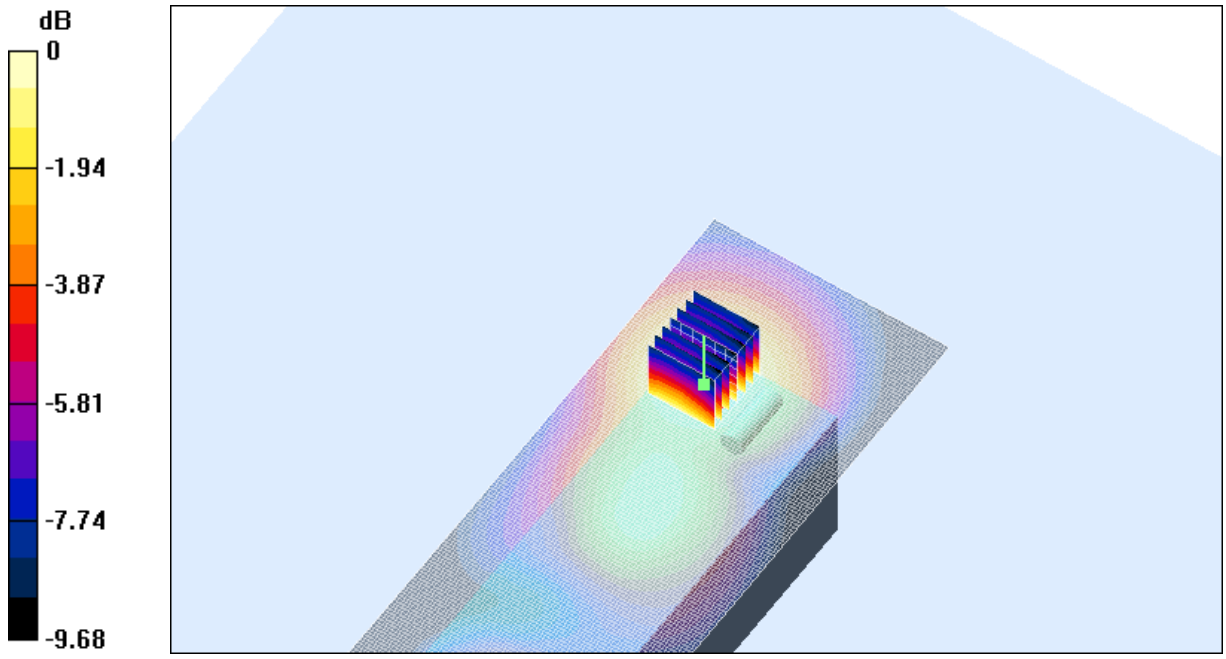
Ambient Temperature	**21.5 Degrees Celsius**
Liquid Temperature	**20.8 Degrees Celsius**
Humidity	**46.0 %**

Test Date: 20 April 2005
File Name: Hand Held Front Side (No Holster) 850 MHz GSM (DAE442 Probe1377) 20-04-05.da4
DUT: GSM Portable EFTPOS Terminal; Type: K-78 -205; Serial: A00000002

* Communication System: GSM-PCS (850 MHz, 1900MHz) FCC; Frequency: 836 MHz; Duty Cycle: 1:8.3
* Medium parameters used: f = 836 MHz; σ = 0.98 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(5.9, 5.9, 5.9)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 190 Test/Area Scan (181x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.065 mW/g

Channel 190 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.3 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.095 W/kg
SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.043 mW/g
Maximum value of SAR (measured) = 0.065 mW/g



0 dB = 0.065mW/g

SAR MEASUREMENT PLOT 4

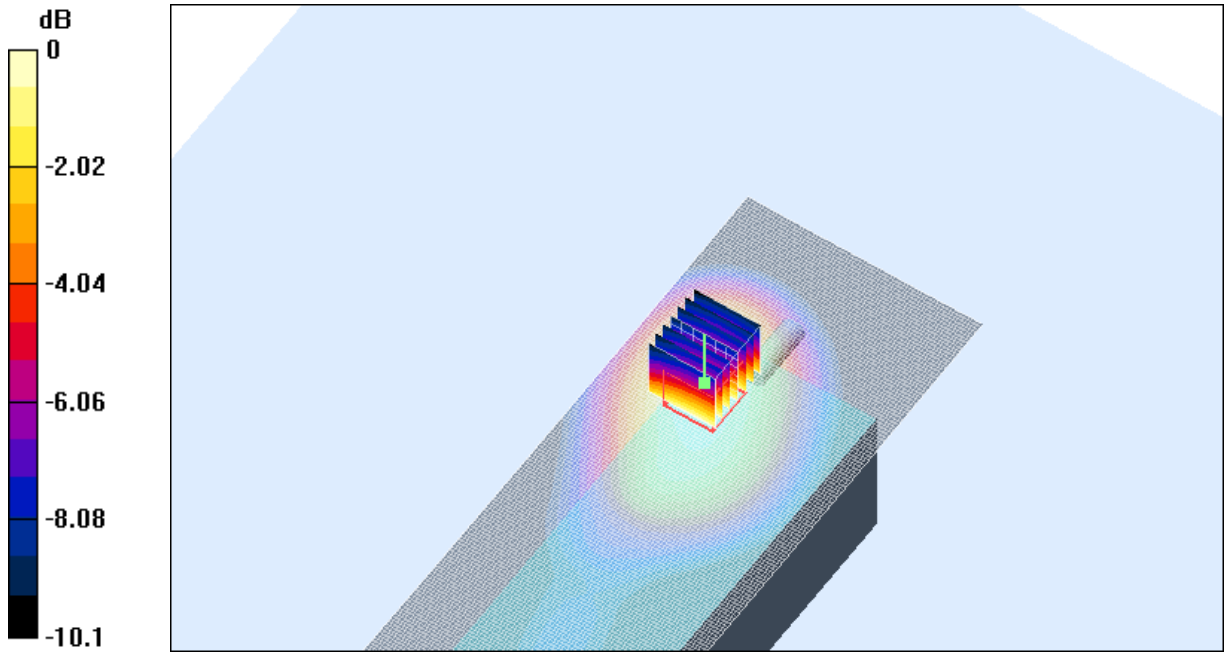
Ambient Temperature	**21.5 Degrees Celsius**
Liquid Temperature	**20.8 Degrees Celsius**
Humidity	**46.0 %**

Test Date: 20 April 2005
File Name: Belt Clip 850 MHz GSM (DAE442 Probe1377) 20-04-05.da4
DUT: GSM Portable EFTPOS Terminal; Type: KT-78 -205; Serial: A00000002

* Communication System: GSM-PCS (850 MHz, 1900MHz) FCC; Frequency: 836 MHz; Duty Cycle: 1:8.3
* Medium parameters used: f = 836 MHz; σ = 0.98 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(5.9, 5.9, 5.9)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 190 Test/Area Scan (181x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.201 mW/g

Channel 190 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.7 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.291 W/kg
SAR(1 g) = 0.187 mW/g; SAR(10 g) = 0.129 mW/g
Maximum value of SAR (measured) = 0.198 mW/g

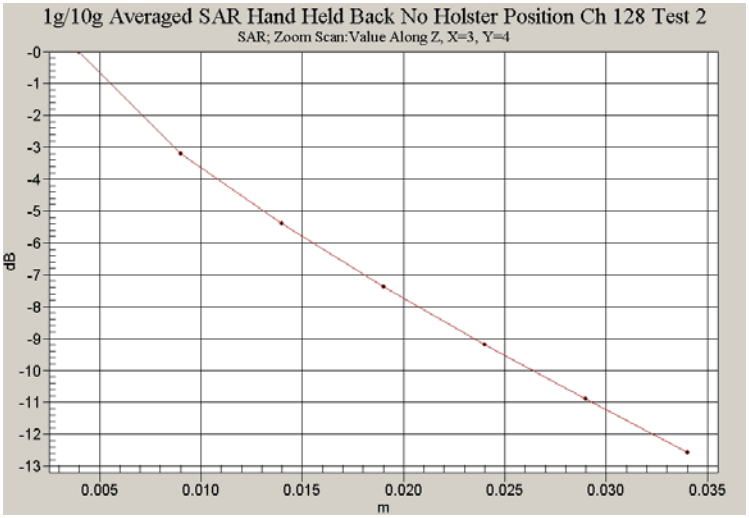


0 dB = 0.198mW/g

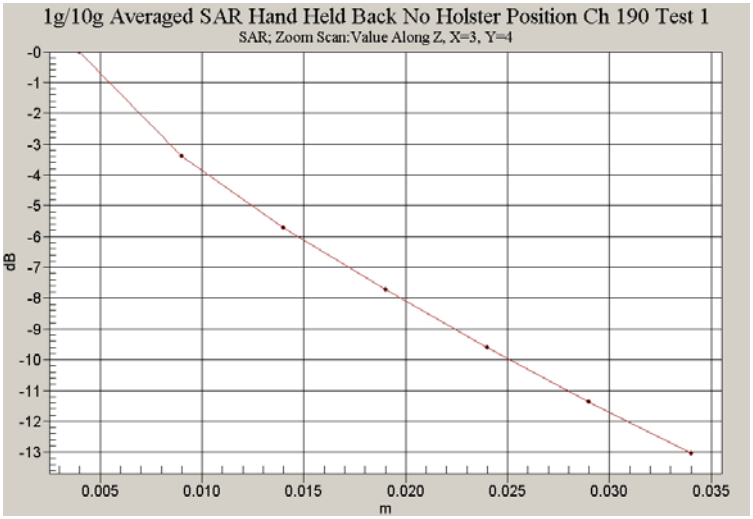
SAR MEASUREMENT PLOT 5

Ambient Temperature	**21.5 Degrees Celsius**
Liquid Temperature	**20.8 Degrees Celsius**
Humidity	**46.0 %**

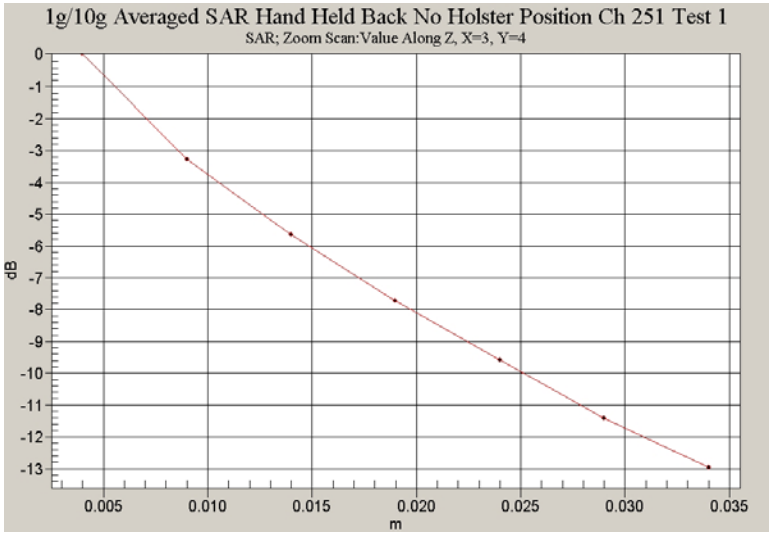
Z-Axis scan for Plot 1



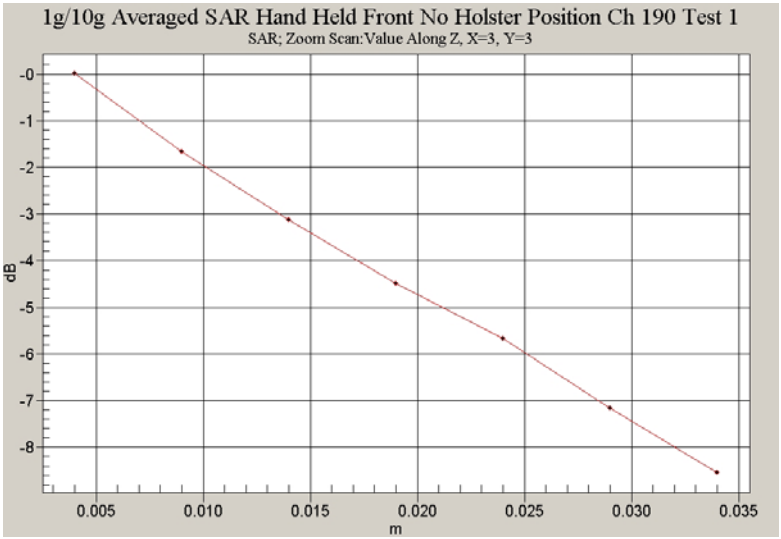
Z-Axis scan for Plot 2



Z-Axis scan for Plot 3



Z-Axis scan for Plot 4



Z-Axis scan for Plot 5