APPENDIX A: SAR TEST DATA

PCTEST ENGINEERING LABORATORY, INC.

DUT: Motorola F4708A; Type: GSM Dual Band w/ WLAN + Bluetooth Handheld Computer
SN: 629SHA4506; Conducted Power: 32.86 dBm

Communication System: GSM850 Motorola; Frequency: 836.6 MHz;Duty Cycle: 1:8

Medium: 835 Brain ($\sigma = 0.90$ mho/m, $\varepsilon_r = 40.91$, $\rho = 1000$ kg/m^3)

Phantom section: Right Section

Test Date: 02-14-2007; Ambient Temp: 22.8°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3561; ConvF(7.94, 7.94, 7.94); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Main; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

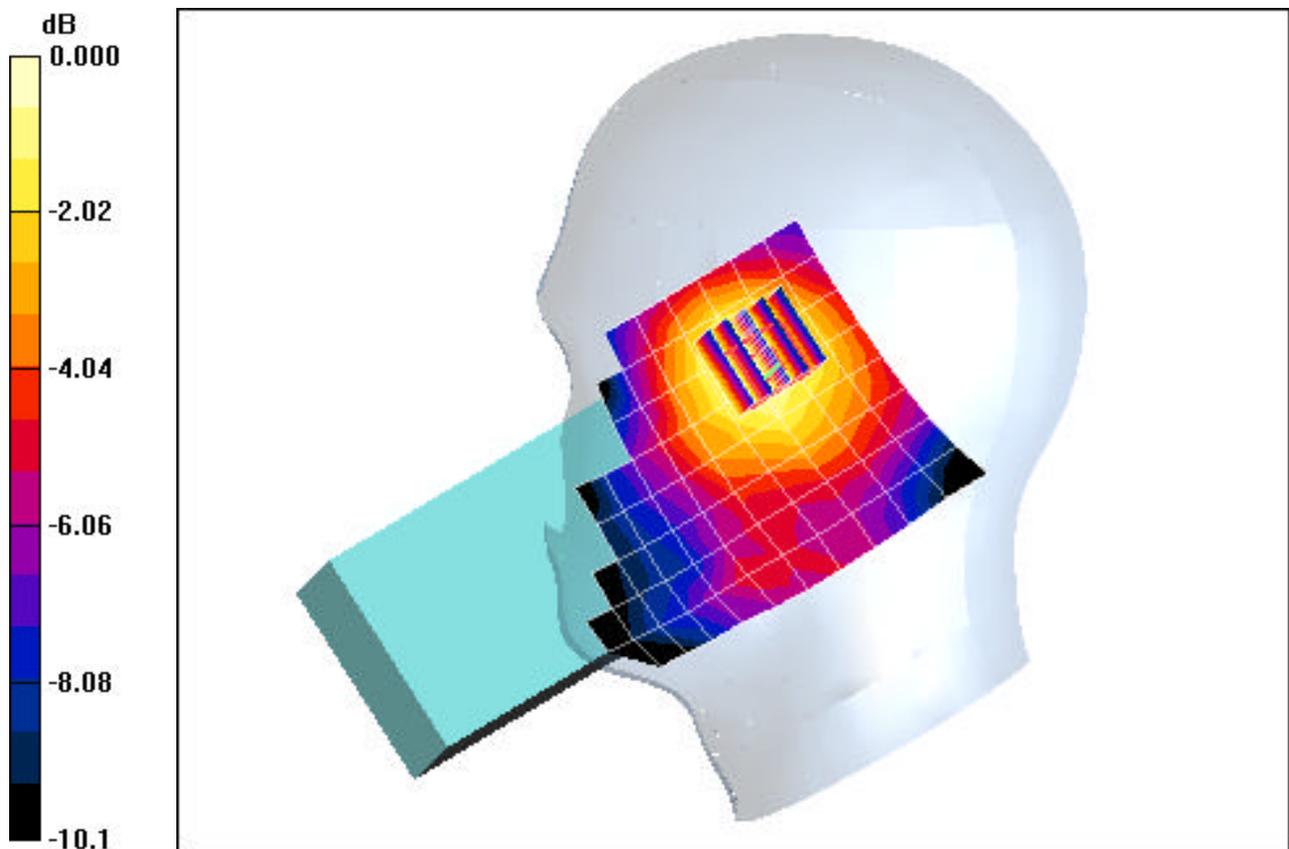## Right Touch, Mid ch, Battery FNN7826A, Antenna Internal

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.01 V/m; Power Drift = -0.088 dB
Peak SAR (extrapolated) = 0.105 W/kg
SAR(1 g) = 0.075 mW/g; SAR(10 g) = 0.051 mW/g

0 dB = 0.086mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Motorola F4708A; Type: GSM Dual Band w/ WLAN + Bluetooth Handheld Computer
SN: 629SHA4506; Conducted Power: 32.86 dBm

Communication System: GSM850 Motorola; Frequency: 836.6 MHz;Duty Cycle: 1:8

Medium: 835 Brain (σ = 0.90 mho/m, ε_r = 40.91, ρ = 1000 kg/m^3)

Phantom section: Right Section

Test Date: 02-14-2007; Ambient Temp: 22.8°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3561; ConvF(7.94, 7.94, 7.94); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Main; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

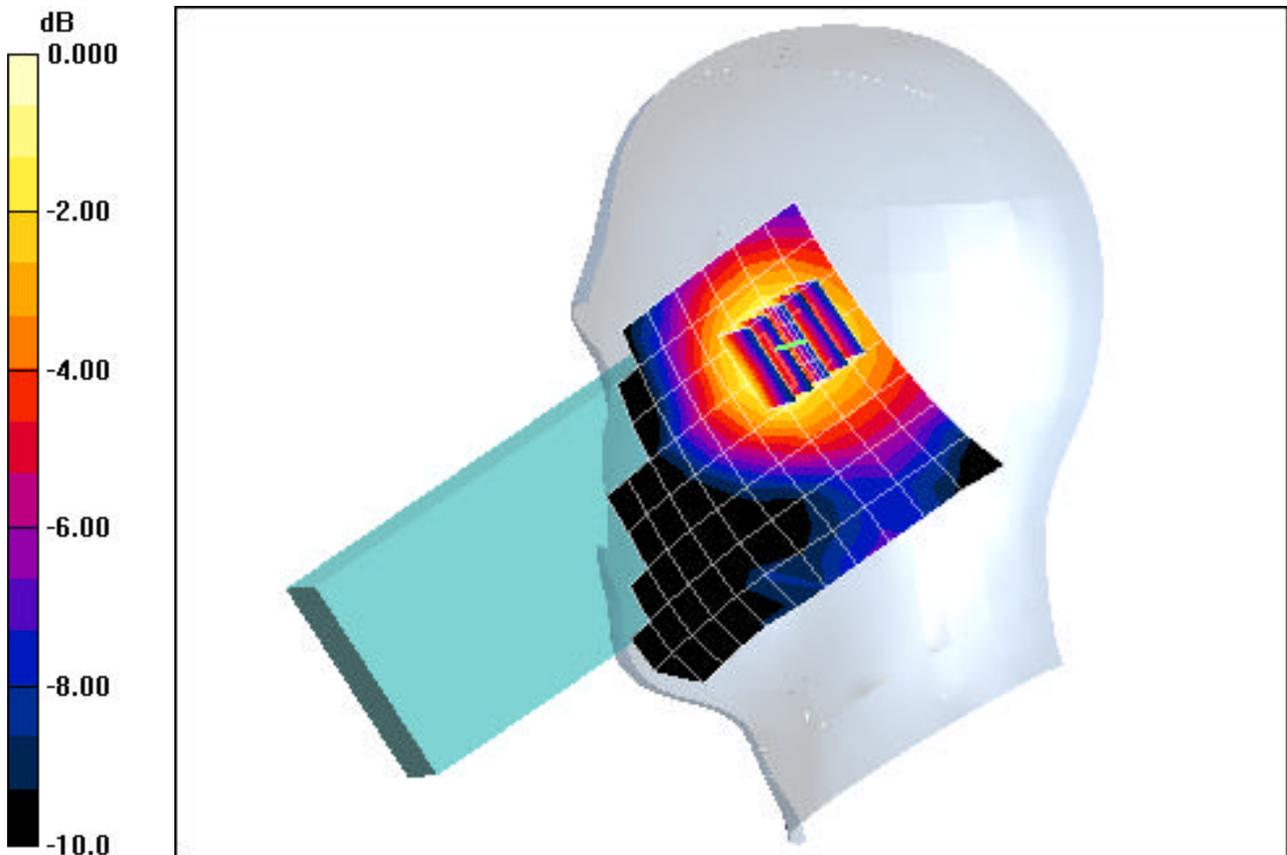**Right Tilt, Mid ch, Battery FNN7826A, Antenna Internal**

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.19 V/m; Power Drift = 0.004 dB
Peak SAR (extrapolated) = 0.087 W/kg
SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.042 mW/g

0 dB = 0.070mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Motorola F4708A; Type: GSM Dual Band w/ WLAN + Bluetooth Handheld Computer
SN: 629SHA4506; Conducted Power: 32.86 dBm

Communication System: GSM850 Motorola; Frequency: 836.6 MHz;Duty Cycle: 1:8

Medium: 835 Brain ($\sigma = 0.90$ mho/m, $\varepsilon_r = 40.91$, $\rho = 1000$ kg/m^3)

Phantom section: Left Section

Test Date: 02-14-2007; Ambient Temp: 22.8°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3561; ConvF(7.94, 7.94, 7.94); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Main; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

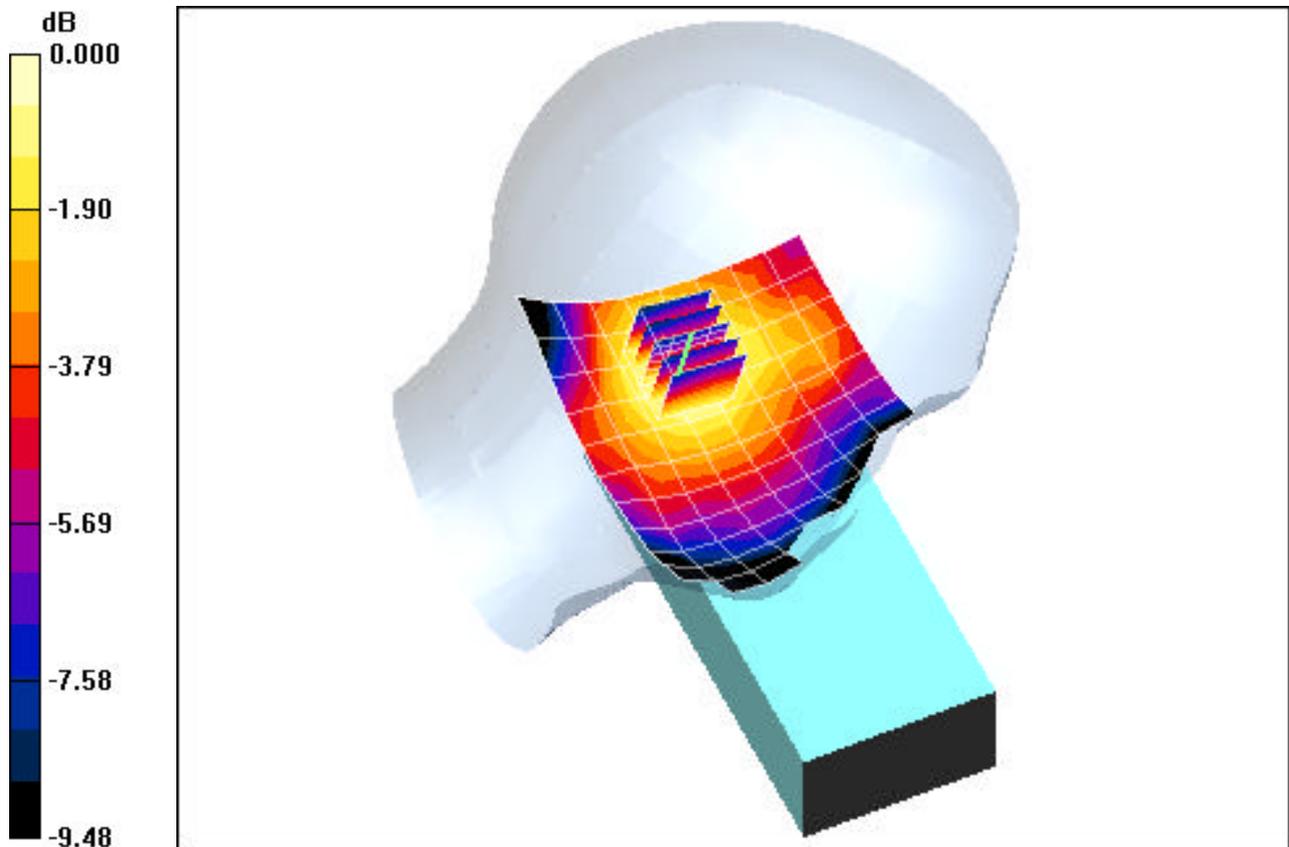## Left Touch, Mid ch, Battery FNN7826A, Antenna Internal

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.47 V/m; Power Drift = 0.233 dB
Peak SAR (extrapolated) = 0.093 W/kg
SAR(1 g) = 0.067 mW/g; SAR(10 g) = 0.049 mW/g

0 dB = 0.077mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Motorola F4708A; Type: GSM Dual Band w/ WLAN + Bluetooth Handheld Computer
SN:629SHA4506; Conducted Power: 32.86 dBm

Communication System: GSM850 Motorola; Frequency: 836.6 MHz;Duty Cycle: 1:8

Medium: 835 Brain ($\sigma = 0.90$ mho/m, $\varepsilon_r = 40.91$, $\rho = 1000$ kg/m^3)

Phantom section: Left Section

Test Date: 02-14-2007; Ambient Temp: 22.8°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3561; ConvF(7.94, 7.94, 7.94); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Main; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

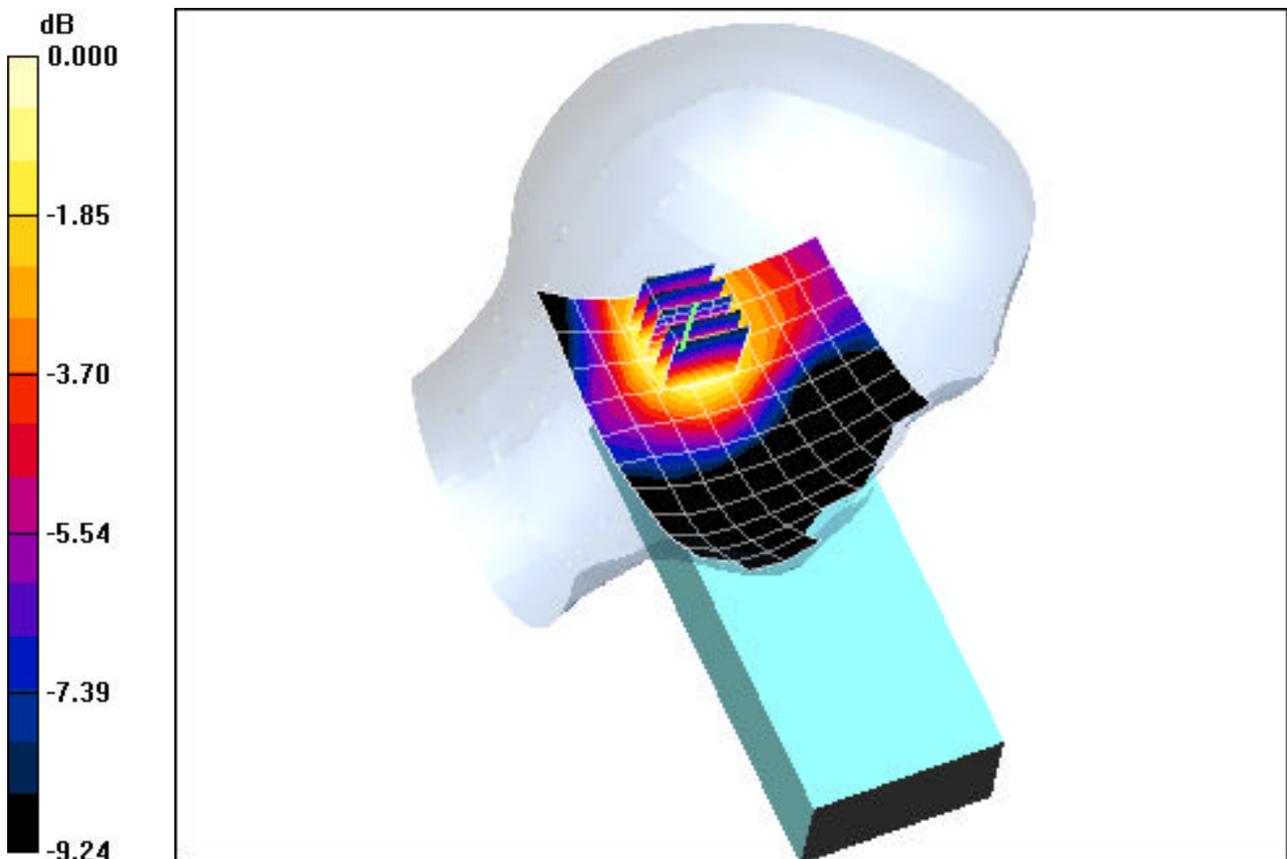**Left Tilt, Mid ch, Battery FNN7826A, Antenna Internal**

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.56 V/m; Power Drift = 0.126 dB
Peak SAR (extrapolated) = 0.077 W/kg
SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.039 mW/g

0 dB = 0.063mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Motorola F4708A; Type: GSM Dual Band w/ WLAN + Bluetooth Handheld Computer
SN: 629SHA4506; Conducted Power: 29.54 dBm

Communication System: GSM1900 Motorola; Frequency: 1880 MHz;Duty Cycle: 1:8

Medium: 1900 Brain (σ = 1.42 mho/m, ε_r = 39.23, ρ = 1000 kg/m^3)

Phantom section: Right Section

Test Date: 02-15-2007; Ambient Temp: 23.2°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN3561; ConvF(6.99, 6.99, 6.99); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP:1357
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

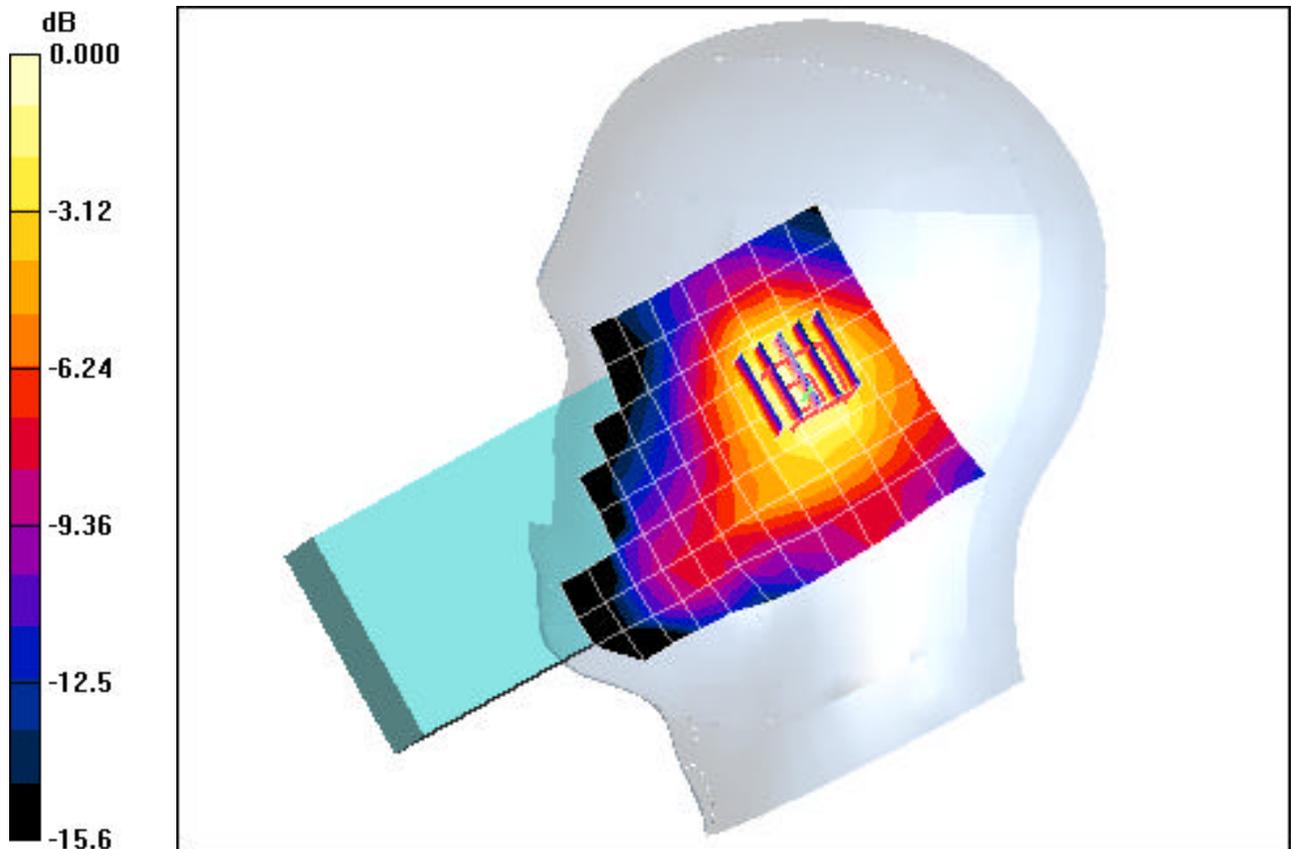## Right Touch, Mid ch, Battery FNN7826A, Antenna Internal

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.70 V/m; Power Drift = -0.010 dB
Peak SAR (extrapolated) = 0.251 W/kg
SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.083 mW/g

0 dB = 0.175mW/g

PCTEST ENGINEERING LABORATORY, INC.

**DUT: Motorola F4708A; Type: GSM Dual Band w/ WLAN + Bluetooth Handheld Computer
SN: 629SHA4506; Conducted Power: 29.54 dBm**

Communication System: GSM1900 Motorola; Frequency: 1880 MHz;Duty Cycle: 1:8

Medium: 1900 Brain (σ = 1.42 mho/m, ε_r = 39.23, ρ = 1000 kg/m^3)

Phantom section: Right Section

Test Date: 02-15-2007; Ambient Temp: 23.2°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN3561; ConvF(6.99, 6.99, 6.99); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP:1357
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

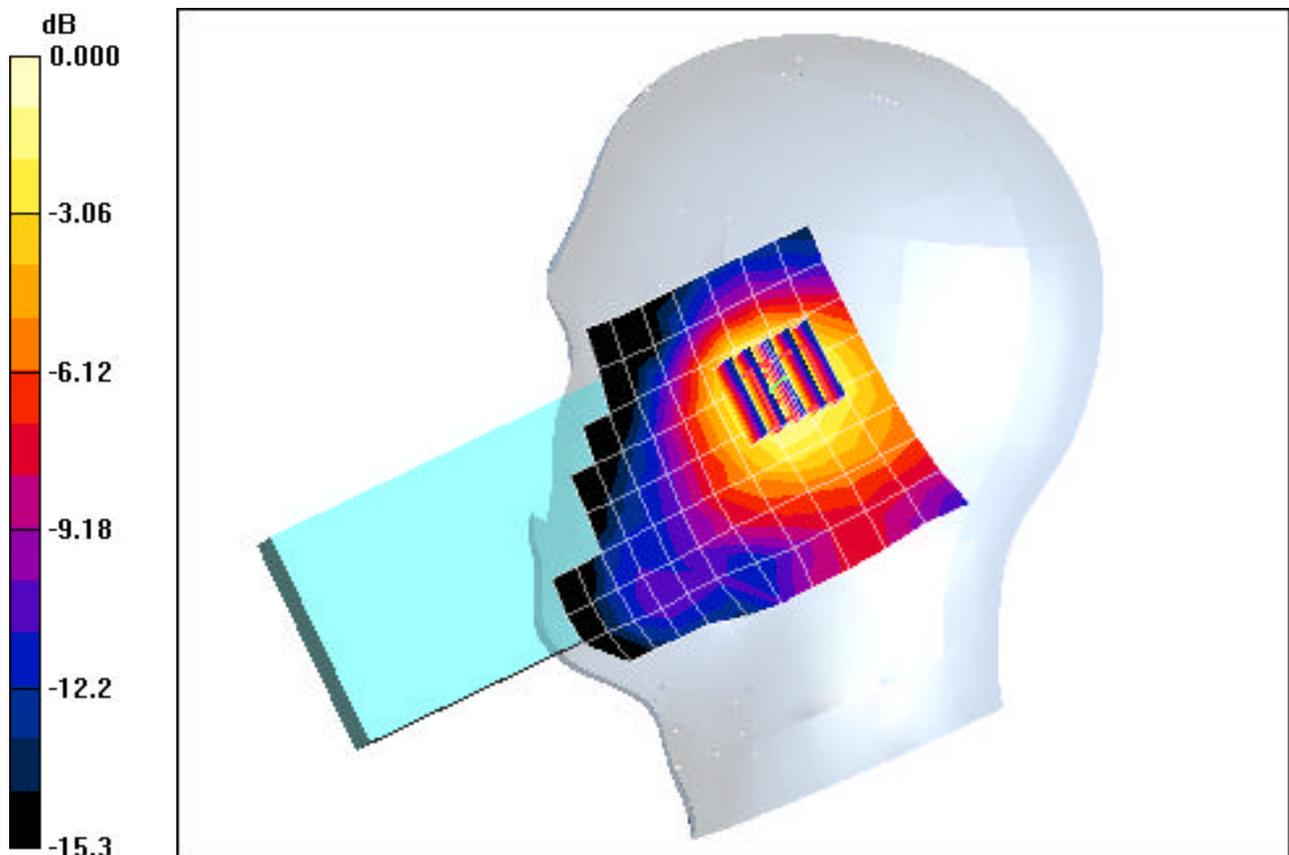**Right Tilt, Mid ch, Battery FNN7826A , Antenna Internal**

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.37 V/m; Power Drift = 0.063 dB
Peak SAR (extrapolated) = 0.231 W/kg
SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.080 mW/g

0 dB = 0.163mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Motorola F4708A; Type: GSM Dual Band w/ WLAN + Bluetooth Handheld Computer
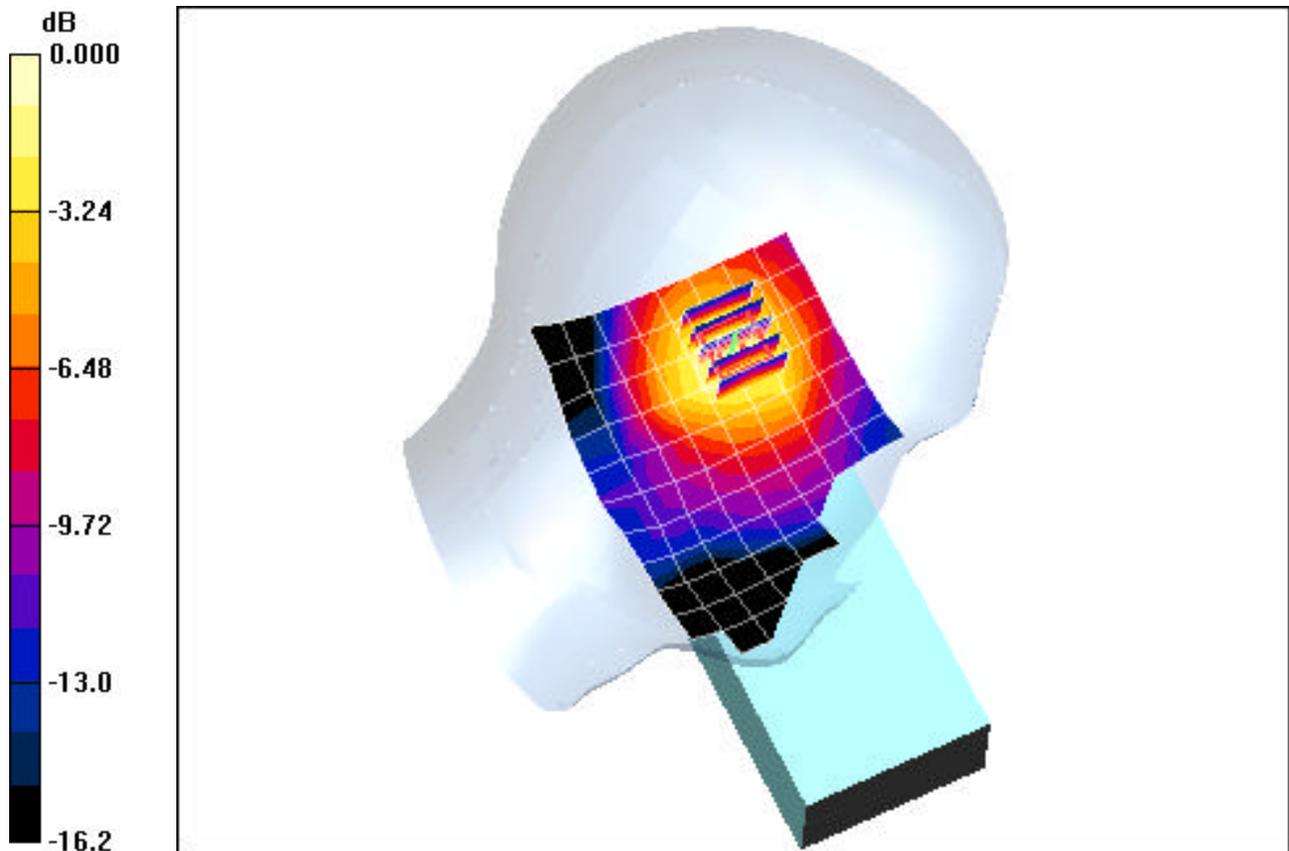**SN: 629SHA4506; Conducted Power: 29.54 dBm**

Communication System: GSM1900 Motorola; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: 1900 Brain (σ = 1.42 mho/m, ε_r = 39.23, ρ = 1000 kg/m^3)

Phantom section: Left Section

Test Date: 02-15-2007; Ambient Temp: 23.2°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN3561; ConvF(6.99, 6.99, 6.99); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP:1357
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Left Touch, Mid ch, Battery FNN7826A, Antenna Internal

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.57 V/m; Power Drift = -0.083 dB
Peak SAR (extrapolated) = 0.316 W/kg
SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.113 mW/g

0 dB = 0.234mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Motorola F4708A; Type: GSM Dual Band w/ WLAN + Bluetooth Handheld Computer
SN: 629SHA4506; Conducted Power: 29.54 dBm

Communication System: GSM1900 Motorola; Frequency: 1880 MHz;Duty Cycle: 1:8
Medium: 1900 Brain ($\sigma = 1.42$ mho/m, $\varepsilon_r = 39.23$, $\rho = 1000$ kg/m^3)
Phantom section: Left Section

Test Date: 02-15-2007; Ambient Temp: 23.2°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN3561; ConvF(6.99, 6.99, 6.99); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP:1357
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

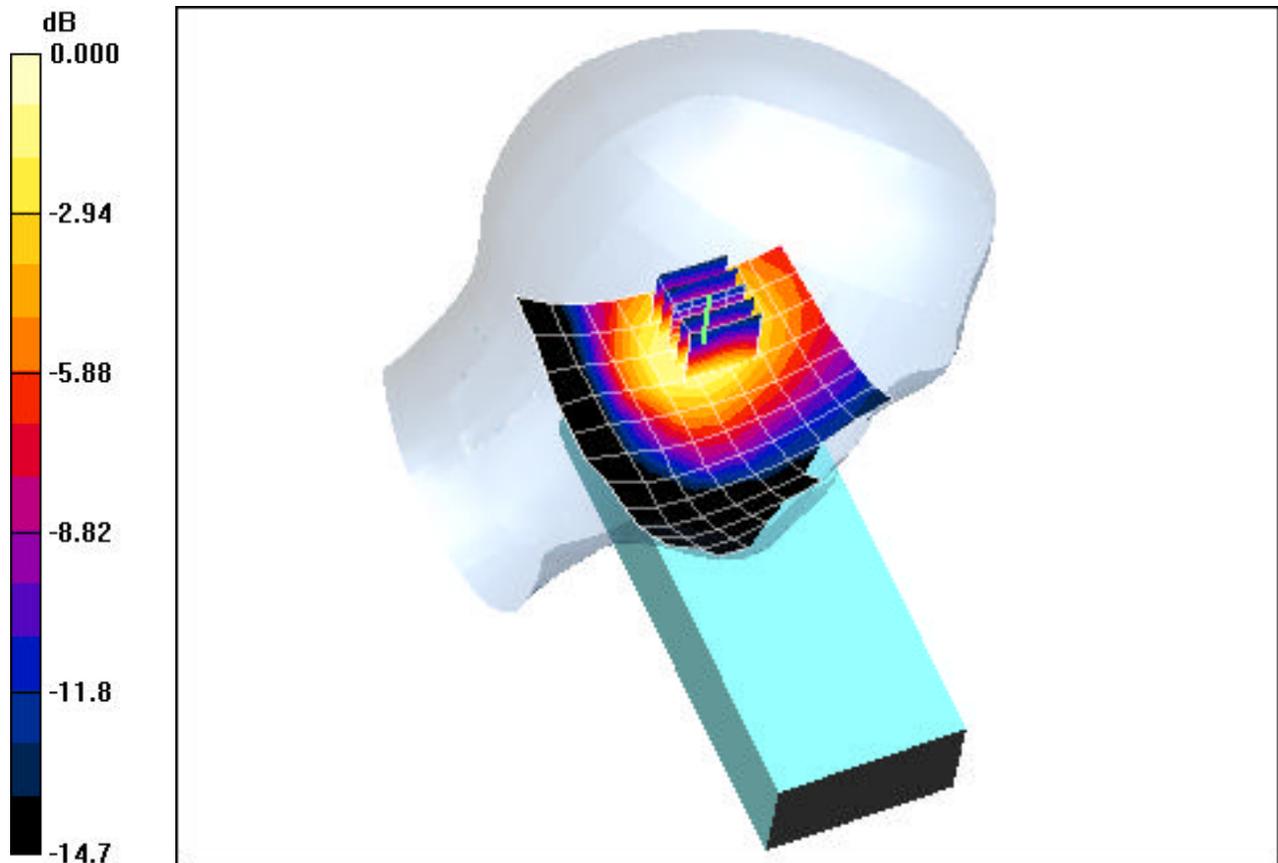**Left Tilt, Mid ch, Battery FNN7826A, Antenna Internal**

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.51 V/m; Power Drift = 0.058 dB
Peak SAR (extrapolated) = 0.207 W/kg
SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.080 mW/g

0 dB = 0.156mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Motorola F4708A; Type: GSM Dual Band w/ WLAN + Bluetooth Handheld Computer
SN: 629SHA4506; Conducted Power: 32.86 dBm

Communication System: GSM850 GPRS; 2 Tx slots; Frequency: 836.6 MHz;Duty Cycle: 1:4.15

Medium: 835 Muscle ($\sigma = 0.97$ mho/m, $\varepsilon_r = 53.81$, $\rho = 1000$ kg/m^3)

Phantom section: Flat Section; Space: 2.5 cm from DUT to Flat Phantom

Test Date: 02-14-2007; Ambient Temp: 23.0°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3561; ConvF(7.92, 7.92, 7.92); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Main; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

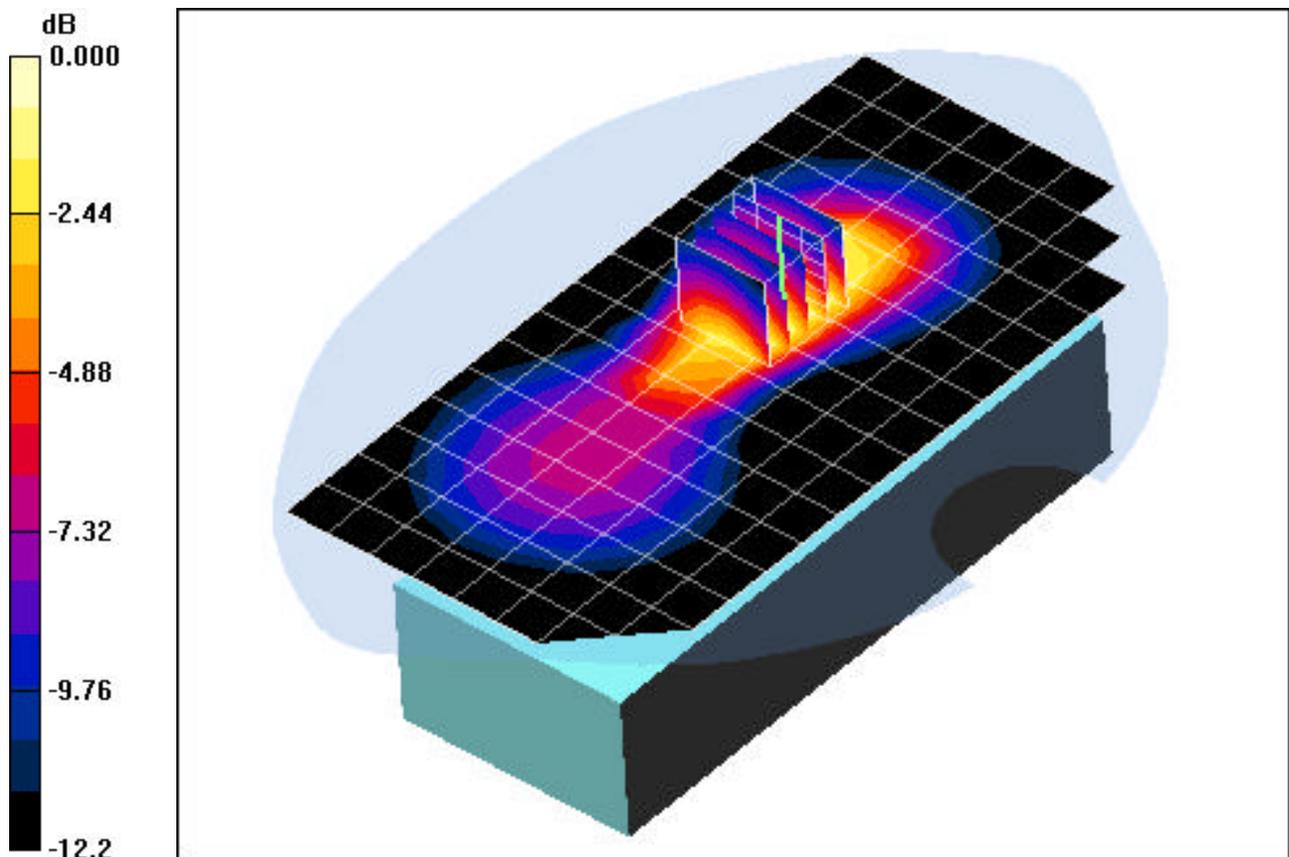**Body, No Holster, Mid.ch, Battery FNN7826A, Antenna Internal**

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.92 V/m; Power Drift = -0.124 dB
Peak SAR (extrapolated) = 0.207 W/kg
SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.111 mW/g

0 dB = 0.174mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Motorola F4708A; Type: GSM Dual Band w/ WLAN + Bluetooth Handheld Computer
SN: 629SHA4506 Conducted Power: 32.86 dBm

Communication System: GSM850 Motorola; Frequency: 836.6 MHz;Duty Cycle: 1:8

Medium: 835 Brain ($\sigma = 0.90$ mho/m, $\varepsilon_r = 40.91$, $\rho = 1000$ kg/m^3)

Phantom section: Flat Section; Space: 2.5cm from DUT to Flat Phantom

Test Date: 02-14-2007; Ambient Temp: 22.8°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3561; ConvF(7.94, 7.94, 7.94); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Main; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

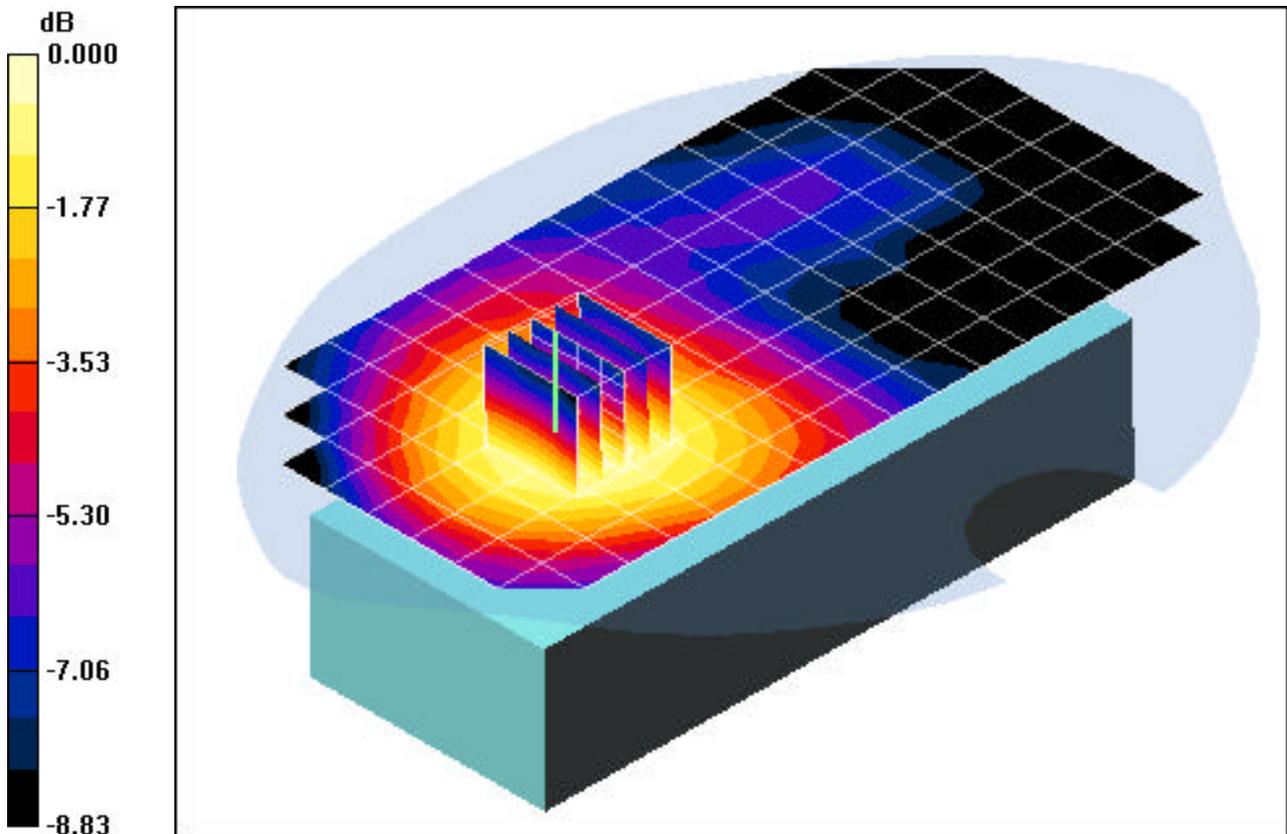**Face, Mid.ch, Battery FNN7826A, Antenna Internal**

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.04 V/m; Power Drift = -0.231 dB
Peak SAR (extrapolated) = 0.056 W/kg
SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.032 mW/g

0 dB = 0.048mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Motorola F4708A; Type: GSM Dual Band w/ WLAN + Bluetooth Handheld Computer
SN: 629SHA4506; Conducted Power: 29.54 dBm

Communication System: GSM1900 GPRS; 2 Tx slots; Frequency: 1880 MHz;Duty Cycle: 1:4.15

Medium: 1900 Muscle (σ = 1.54 mho/m, ε_r = 53.72, ρ = 1000 kg/m^3)

Phantom section: Flat Section; Space: 2.5 cm from DUT to Flat Phantom

Test Date: 02-15-2007; Ambient Temp: 22.9°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN3561; ConvF(6.47, 6.47, 6.47); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Main; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body, No Holster, Mid.ch, Battery FNN7826A, Antenna Internal

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.77 V/m; Power Drift = 0.149 dB
Peak SAR (extrapolated) = 0.698 W/kg
SAR(1 g) = 0.353 mW/g; SAR(10 g) = 0.164 mW/g

0 dB = 0.501mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Motorola F4708A; Type: GSM Dual Band w/ WLAN + Bluetooth Handheld Computer
SN: 629SHA4506; Conducted Power: 29.54 dBm

Communication System: GSM1900 Motorola; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: 1900 Brain (σ = 1.42 mho/m, ε_r = 39.23, ρ = 1000 kg/m^3)

Phantom section: Flat Section: Space: 2.5cm from DUT to Flat Phantom

Test Date: 02-15-2007; Ambient Temp: 23.2°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN3561; ConvF(6.99, 6.99, 6.99); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP:1357
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
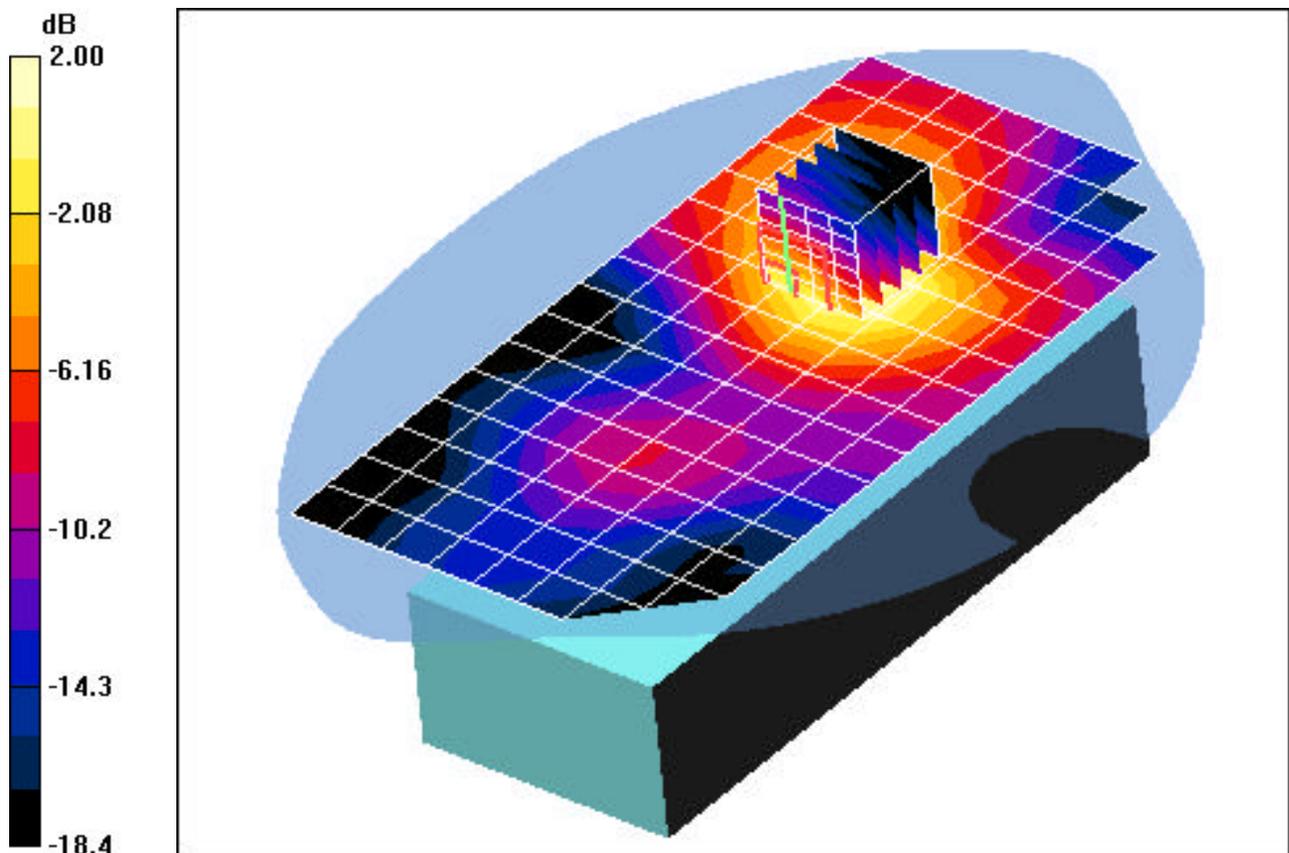
Face, Mid.ch, Battery FNN7826A, Antenna Internal

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.80 V/m; Power Drift = 0.045 dB
Peak SAR (extrapolated) = 0.052 W/kg
SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.020 mW/g

0 dB = 0.039mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Motorola F4708A; Type: GSM Dual Band w/WLAN + Bluetooth Handheld Computer
SN: 629SHA4506; Conducted Power: 3.01 dBm

Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1

Medium: 2450 Muscle (σ = 1.91 mho/m, ε_r = 52.23, ρ = 1000 kg/m^3)

Phantom section: Flat Section; Space: 2.5 cm from DUT to Flat Phantom

Test Date: 02-16-2007; Ambient Temp: 23.4°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3561; ConvF(6.33, 6.33, 6.33); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP:1357
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

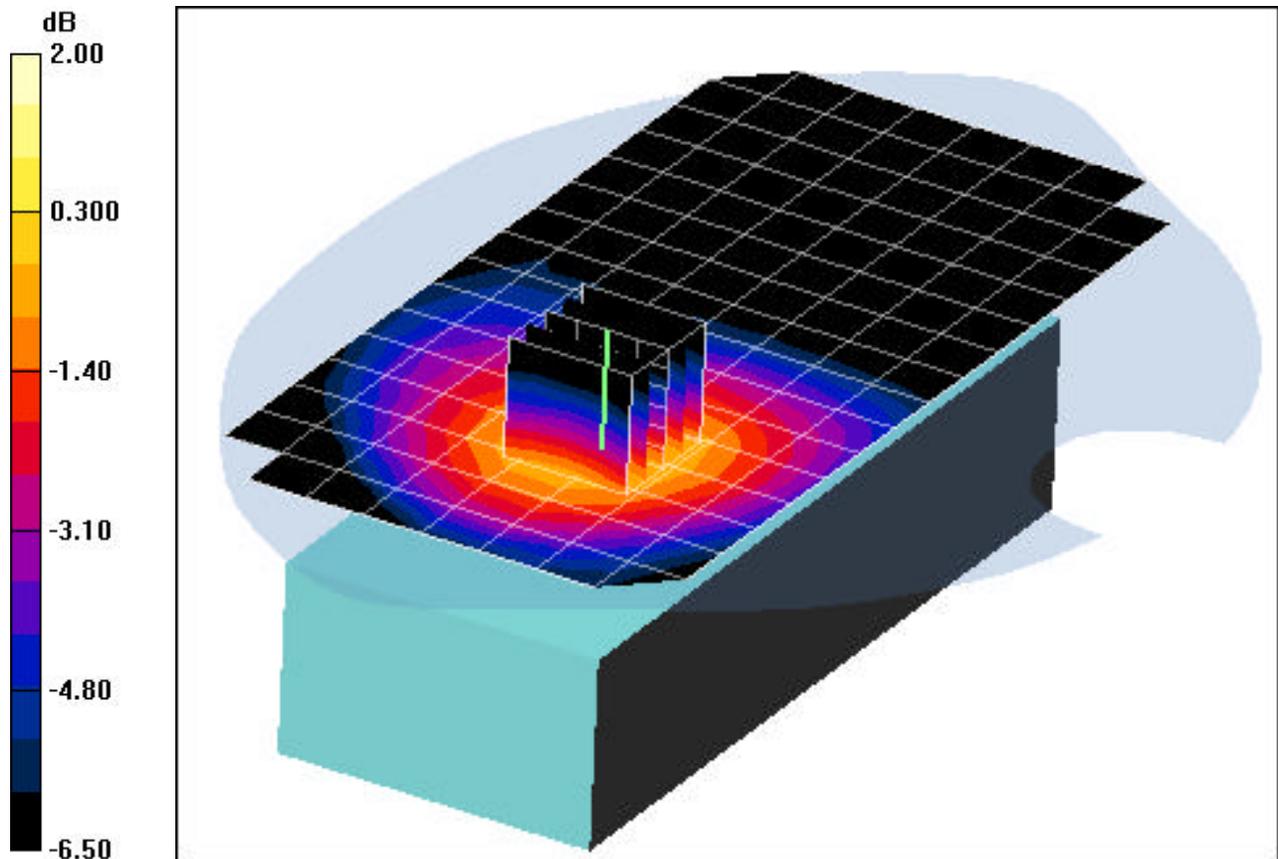**Body, No Holster, Mid.ch, Battery FNN7826A, Antenna Internal**

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.23 V/m; Power Drift = -0.173 dB
Peak SAR (extrapolated) = 0.009 W/kg
SAR(1 g) = 0.00416 mW/g; SAR(10 g) = 0.00225 mW/g

0 dB = 0.006mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Motorola F4708A; Type: GSM Dual Band w/WLAN + Bluetooth Handheld Computer
SN: 629SHA4506; Conducted Power: 3.01 dBm

Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1

Medium: 2450 Brain ($\sigma = 1.82$ mho/m, $\varepsilon_r = 40.14$, $\rho = 1000$ kg/m^3)

Phantom section: Flat Section; Space: 2.5cm from DUT to Flat Phantom

Test Date: 02-16-2007; Ambient Temp: 22.9°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3561; ConvF(6.32, 6.32, 6.32); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP:1357
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
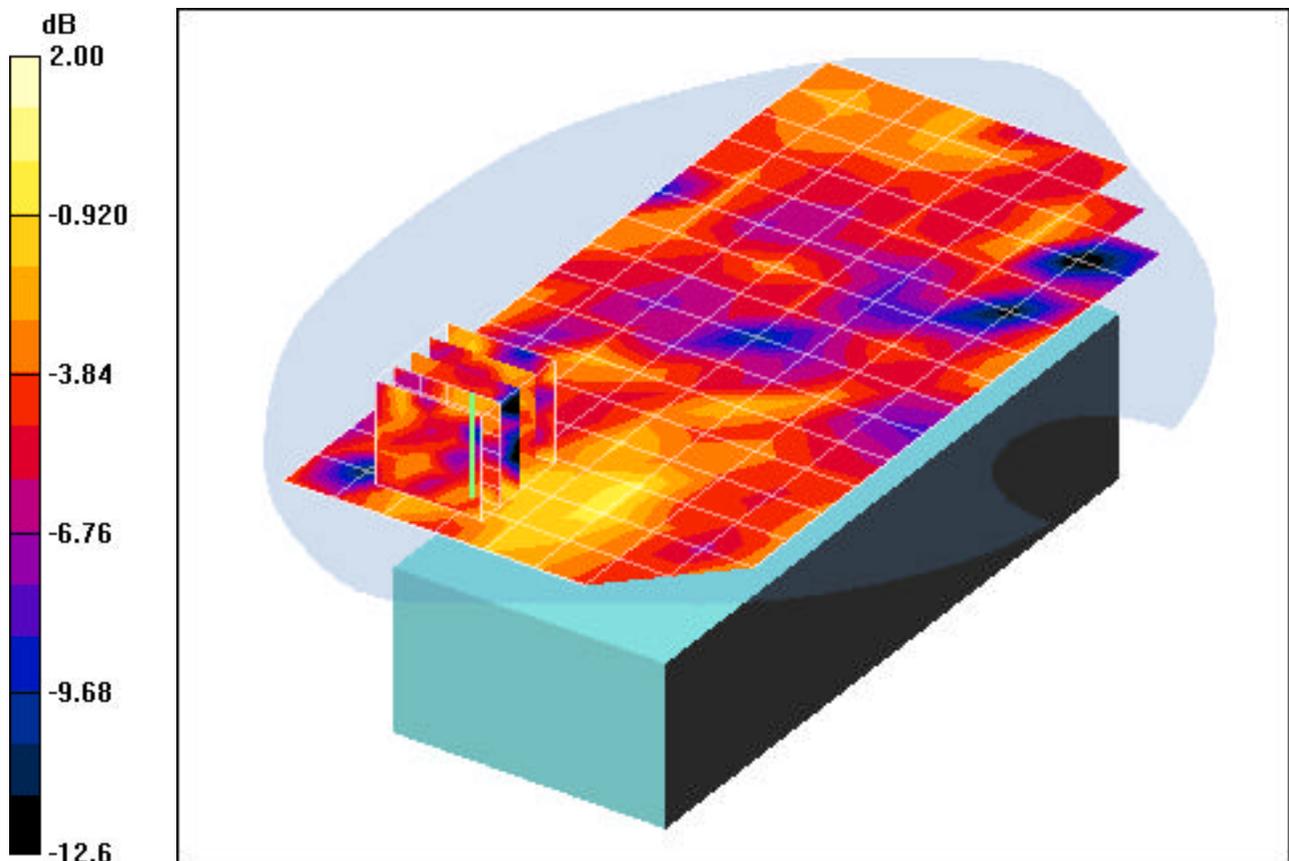
Face, Mid.ch, Battery FNN7826A , Antenna Internal

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.803 V/m; Power Drift = 0.149 dB
Peak SAR (extrapolated) = 0.008 W/kg
SAR(1 g) = 0.00338 mW/g; SAR(10 g) = 0.00253 mW/g

0 dB = 0.010mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Motorola F4708A; Type: GSM Dual Band w/ WLAN + Bluetooth Handheld Computer
SN: 629SHA4506; Conducted Power: 15.94 dBm

Communication System: IEEE 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium: 2450 Muscle (σ = 1.91 mho/m, ε_r = 52.23, ρ = 1000 kg/m^3)

Phantom section: Flat Section

Test Date: 02-16-2007; Ambient Temp: 23.4°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3561; ConvF(6.33, 6.33, 6.33); Calibrated: 11/23/2006

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/23/2007

Phantom: SAM Sub; Type: SAM 4.0; Serial: TP:1357

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

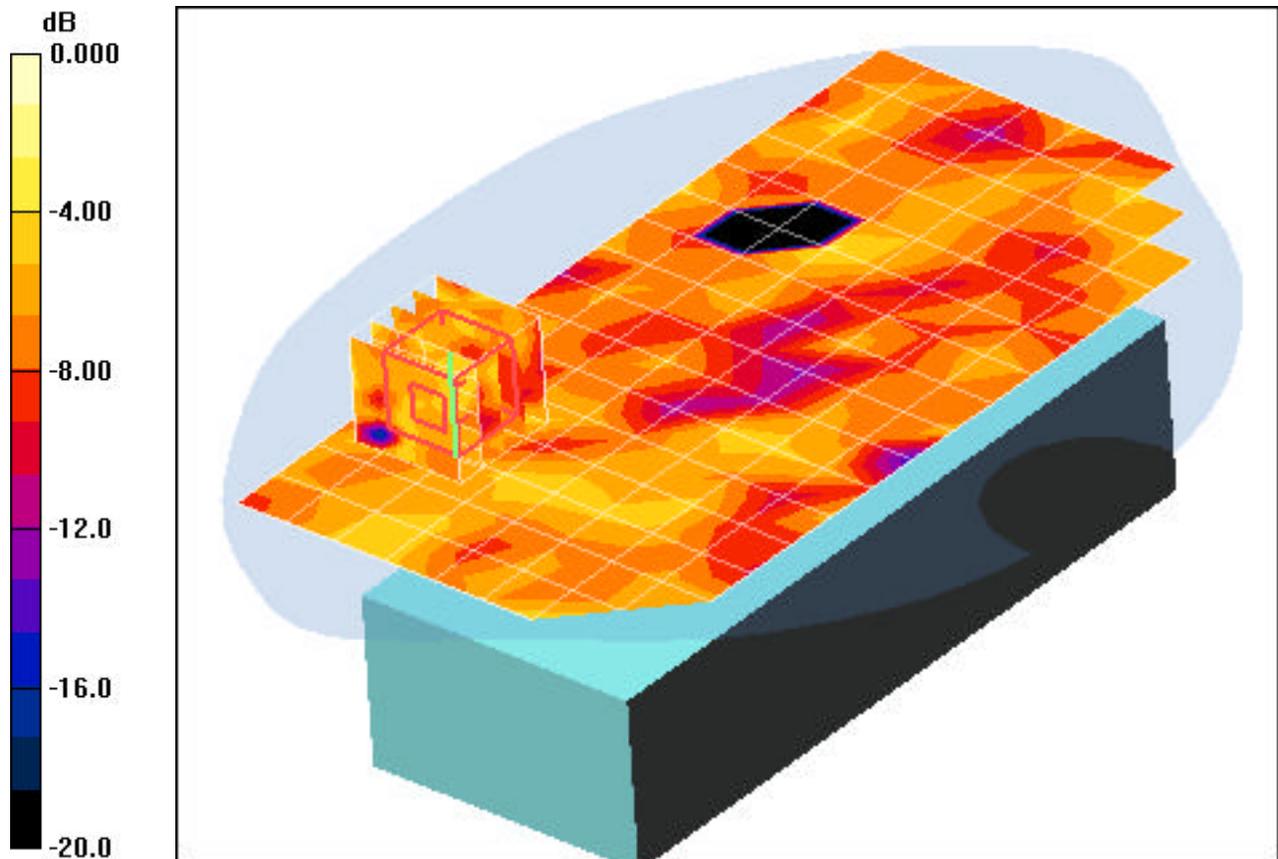**Body w/ Holster, Mid.ch, Battery FNN7826A, Antenna Internal, 1Mbps**

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.93 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 0.110 W/kg

SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.036 mW/g

0 dB = 0.093mW/g

PCTEST ENGINEERING LABORATORY, INC.

**DUT: Motorola F4708A; Type: GSM Dual Band w/ WLAN + Bluetooth Handheld Computer
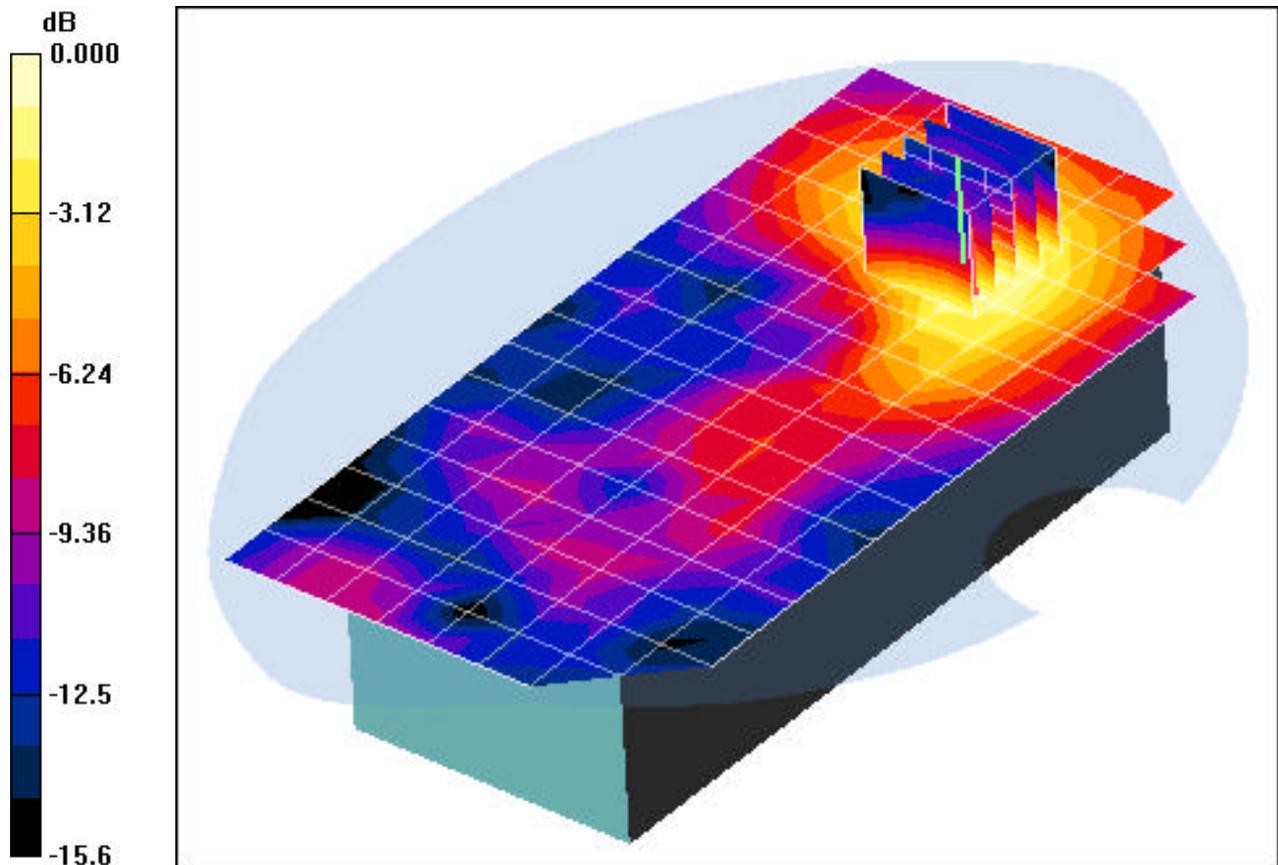SN: 629SHA4506; Conducted Power: 15.94 dBm**

Communication System: IEEE 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium: 2450 Brain ($\sigma = 1.82$ mho/m, $\varepsilon_r = 40.14$, $\rho = 1000$ kg/m^3)

Phantom section: Flat Section; Space: 2.5cm from DUT to Flat Phantom

Test Date: 02-16-2007; Ambient Temp: 22.9°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3561; ConvF(6.32, 6.32, 6.32); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP:1357
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Face, Mid.ch, Battery FNN7826A, Antenna Internal, 1Mbps

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.52 V/m; Power Drift = 0.176 dB
Peak SAR (extrapolated) = 0.100 W/kg
SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.034 mW/g

0 dB = 0.069mW/g

PCTEST ENGINEERING LABORATORY, INC.

**DUT: Motorola F4708A; Type: GSM Dual Band w/ WLAN + Bluetooth Handheld Computer
SN: 629SHA4506; Conducted Power: 32.86 dBm**

Communication System: GSM850 Motorola; Frequency: 836.6 MHz;Duty Cycle: 1:8

Medium: 835 Brain (σ = 0.90 mho/m, ε_r = 40.91, ρ = 1000 kg/m^3)

Phantom section: Right Section

Test Date: 02-14-2007; Ambient Temp: 22.8°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3561; ConvF(7.94, 7.94, 7.94); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Main; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

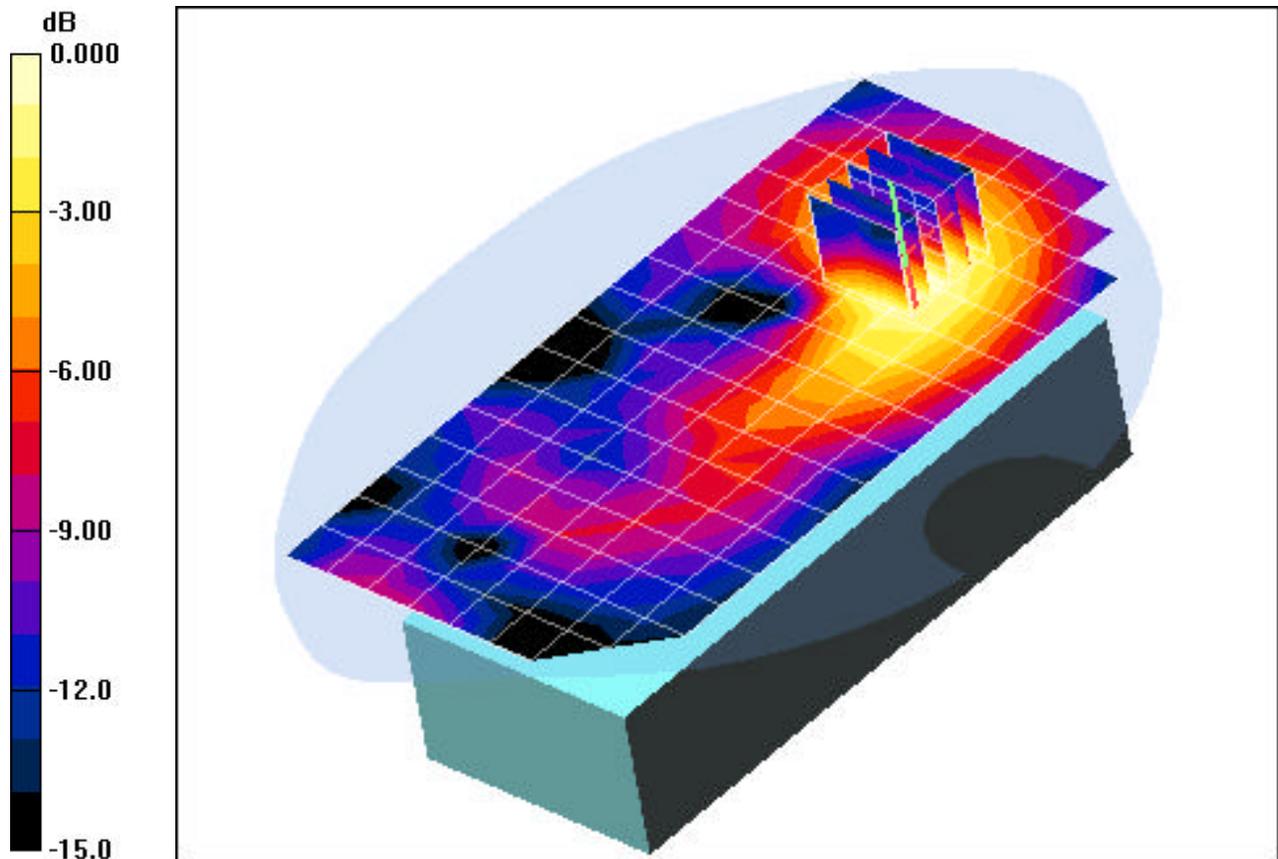**Right Touch, Mid ch, Battery FNN7826A, Antenna Internal**

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.01 V/m; Power Drift = -0.088 dB
Peak SAR (extrapolated) = 0.105 W/kg
SAR(1 g) = 0.075 mW/g; SAR(10 g) = 0.051 mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Motorola F4708A; Type: GSM Dual Band w/ WLAN + Bluetooth Handheld Computer
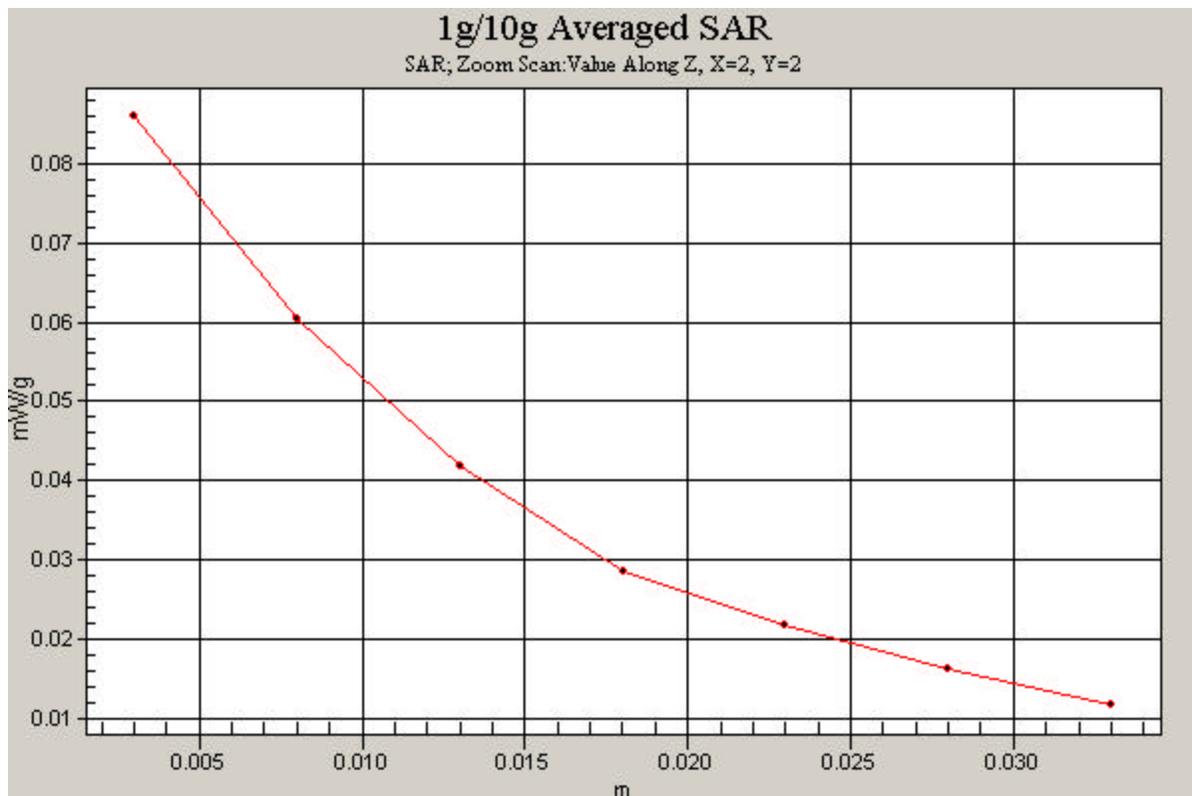**SN: 629SHA4506; Conducted Power: 32.86 dBm**

Communication System: GSM850 GPRS; 2 Tx slots; Frequency: 836.6 MHz;Duty Cycle: 1:4.15

Medium: 835 Muscle (σ = 0.97 mho/m, ε_r = 53.81, ρ = 1000 kg/m^3)

Phantom section: Flat Section; Space: 2.5 cm from DUT to Flat Phantom

Test Date: 02-14-2007; Ambient Temp: 23.0°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3561; ConvF(7.92, 7.92, 7.92); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Main; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body, No Holster, Mid.ch, Battery FNN7826A, Antenna Internal

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.92 V/m; Power Drift = -0.124 dB
Peak SAR (extrapolated) = 0.207 W/kg
SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.111 mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Motorola F4708A; Type: GSM Dual Band w/ WLAN + Bluetooth Handheld Computer
SN: 629SHA4506; Conducted Power: 29.54 dBm

Communication System: GSM1900 Motorola; Frequency: 1880 MHz;Duty Cycle: 1:8

Medium: 1900 Brain (σ = 1.42 mho/m, ε_r = 39.23, ρ = 1000 kg/m^3)

Phantom section: Left Section

Test Date: 02-15-2007; Ambient Temp: 23.2°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN3561; ConvF(6.99, 6.99, 6.99); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP:1357
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Left Touch, Mid ch, Battery FNN7826A, Antenna Internal

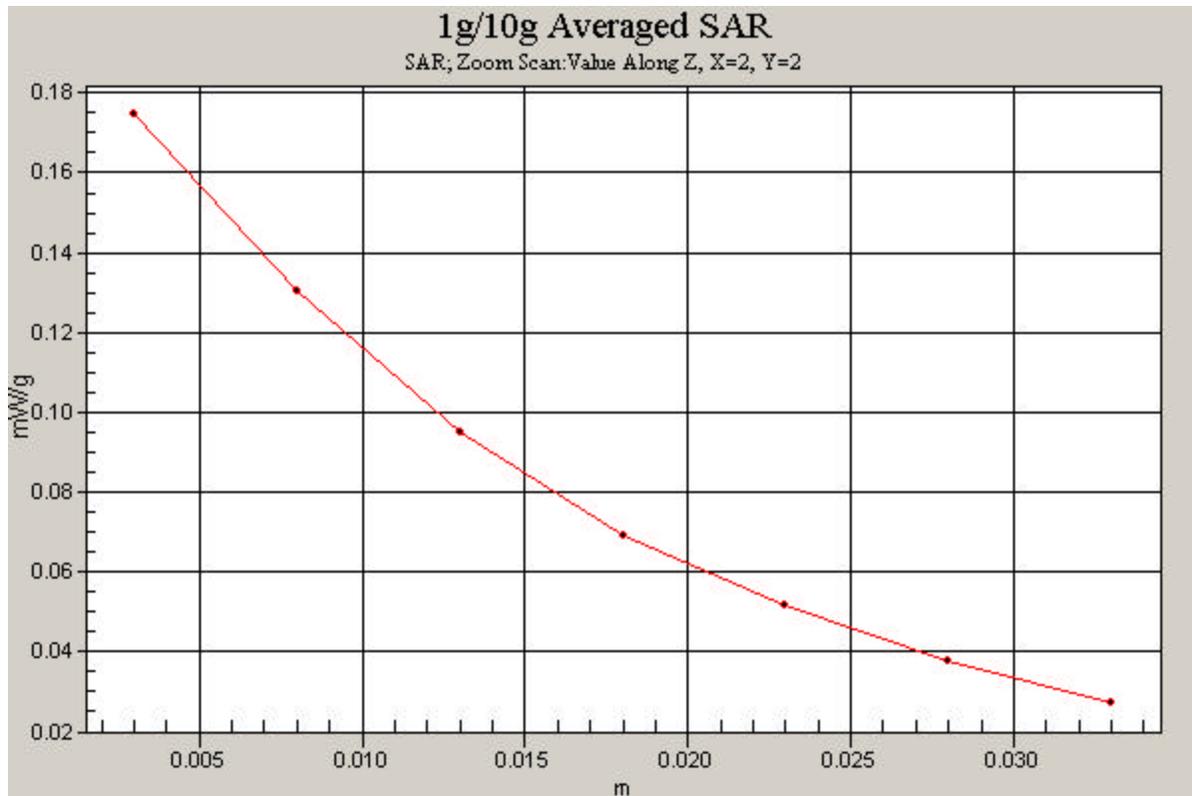**Area Scan (9x17x1):** Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.57 V/m; Power Drift = -0.083 dB
Peak SAR (extrapolated) = 0.316 W/kg
SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.113 mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Motorola F4708A; Type: GSM Dual Band w/ WLAN + Bluetooth Handheld Computer
SN: 629SHA4506; Conducted Power: 29.54 dBm

Communication System: GSM1900 GPRS; 2 Tx slots; Frequency: 1880 MHz;Duty Cycle: 1:4.15

Medium: 1900 Muscle (σ = 1.54 mho/m, ε_r = 53.72, ρ = 1000 kg/m^3)

Phantom section: Flat Section; Space: 2.5cm from DUT to Flat Phantom

Test Date: 02-15-2007; Ambient Temp: 22.9°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN3561; ConvF(6.47, 6.47, 6.47); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Main; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

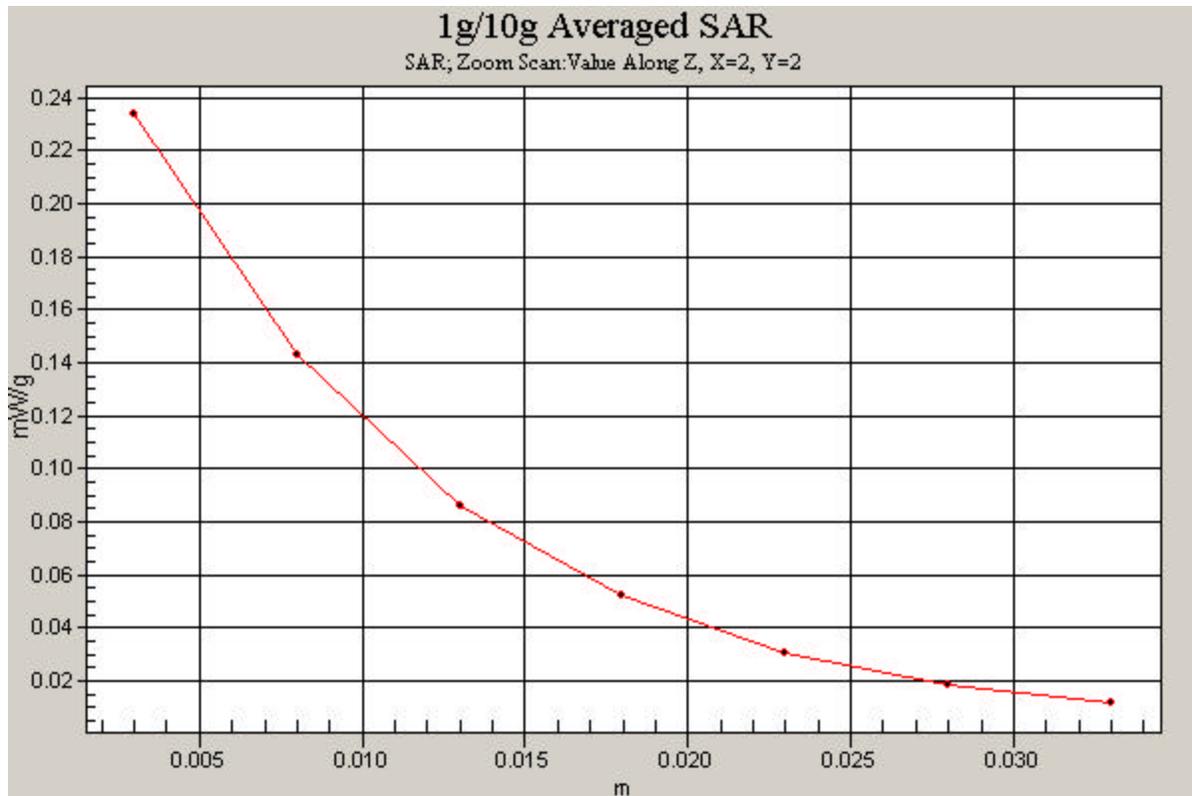**Body, No Holster, Mid.ch, Battery FNN7826A, Antenna Internal**

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.77 V/m; Power Drift = 0.149 dB
Peak SAR (extrapolated) = 0.698 W/kg
SAR(1 g) = 0.353 mW/g; SAR(10 g) = 0.164 mW/g

PCTEST ENGINEERING LABORATORY, INC.

**DUT: Motorola F4708A; Type: GSM Dual Band w/ WLAN + Bluetooth Handheld Computer
SN: 629SHA4506; Conducted Power: 15.94 dBm**

Communication System: IEEE 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium: 2450 Brain (σ = 1.82 mho/m, ε_r = 40.14, ρ = 1000 kg/m^3)

Phantom section: Flat Section; Space: 2.5cm from DUT to Flat Phantom

Test Date: 02-16-2007; Ambient Temp: 22.9°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3561; ConvF(6.32, 6.32, 6.32); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP:1357
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

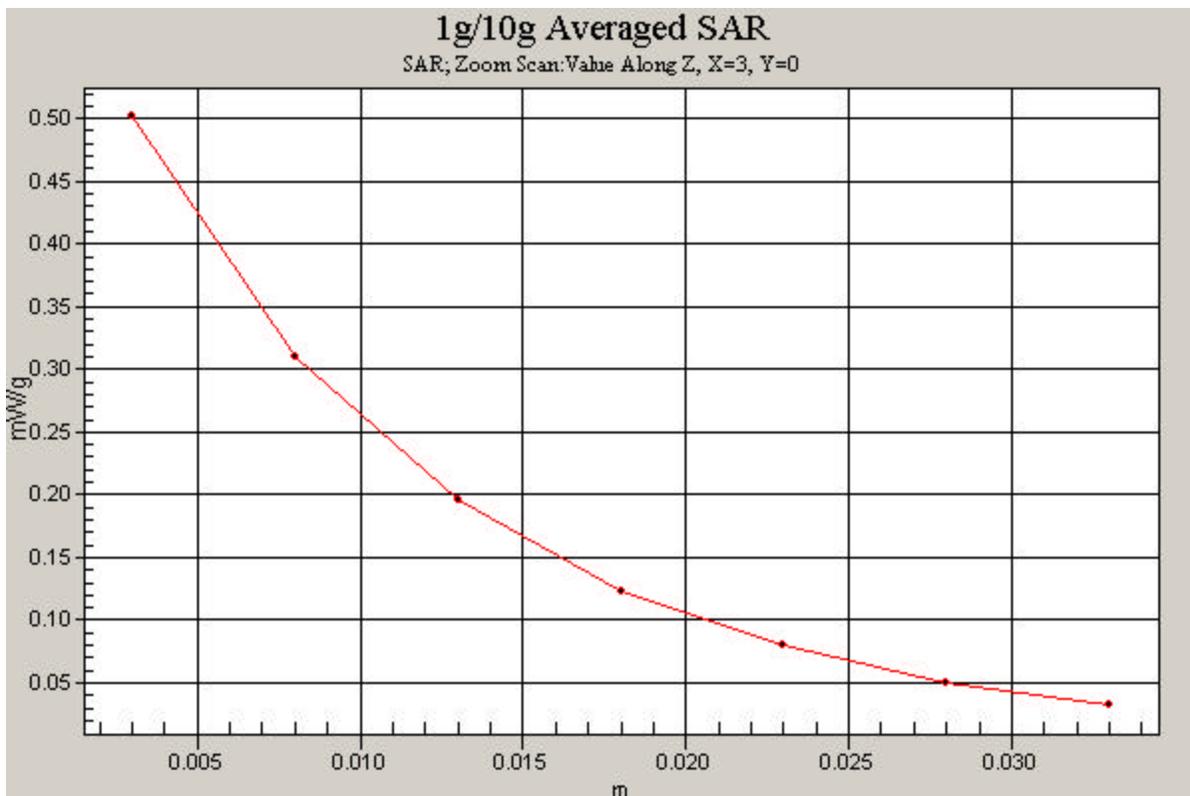## Face, Mid.ch, Battery FNN7826A, Antenna Internal, 1Mbps

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.52 V/m; Power Drift = 0.176 dB
Peak SAR (extrapolated) = 0.100 W/kg
SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.034 mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Motorola F4708A; Type: GSM Dual Band w/ WLAN + Bluetooth Handheld Computer
SN: 629SHA4506; Conducted Power: 15.94 dBm

Communication System: IEEE 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 Muscle (σ = 1.91 mho/m, ε_r = 52.23, ρ = 1000 kg/m^3)
Phantom section: Flat Section

Test Date: 02-16-2007; Ambient Temp: 23.4°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3561; ConvF(6.33, 6.33, 6.33); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP:1357
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

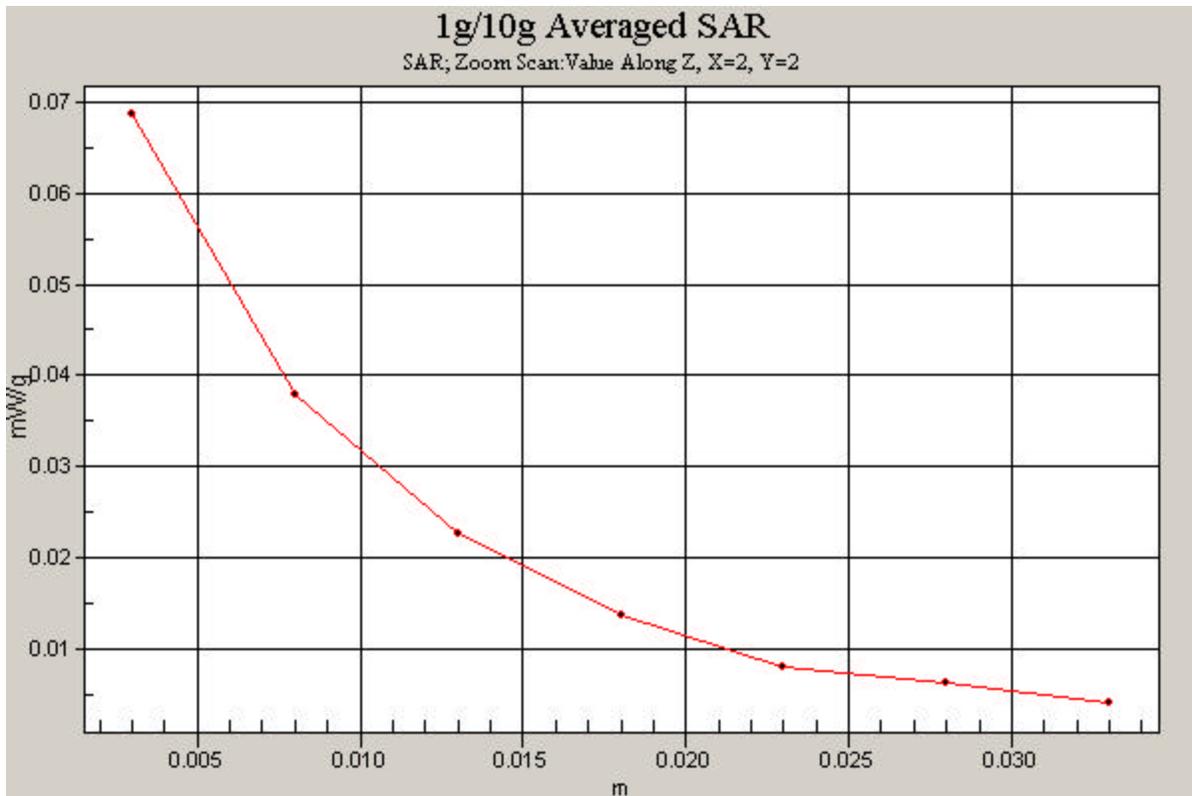## Body, w/ Holster, Mid.ch, Battery FNN7826A, Antenna Internal, 1Mbps

Area Scan (9x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.93 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 0.110 W/kg
SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.036 mW/g

APPENDIX B: DIPOLE VALIDATION

PCTEST ENGINEERING LABORATORY, INC.

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d026

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium: 835 Brain ($\sigma = 0.90$ mho/m, $\varepsilon_r = 40.91$, $\rho = 1000$ kg/m^3)
Phantom section: Flat Section

Test Date: 02-14-2007; Ambient Temp: 22.8°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3561; ConvF(7.94, 7.94, 7.94); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Main; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

835MHz Dipole Validation

Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Input Power = 24.0 dBm (250 mW)
SAR(1 g) = 2.33 mW/g; SAR(10 g) = 1.57 mW/g
Target SAR(1g) = 2.25 mW/g; Deviation = + 3.55 %

0 dB = 2.68mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 502

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 Brain (σ = 1.42 mho/m, ε_r = 39.23, ρ = 1000 kg/m^3)
Phantom section: Flat Section

Test Date: 02-15-2007; Ambient Temp: 23.2°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN3561; ConvF(6.99, 6.99, 6.99); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP:1357
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172
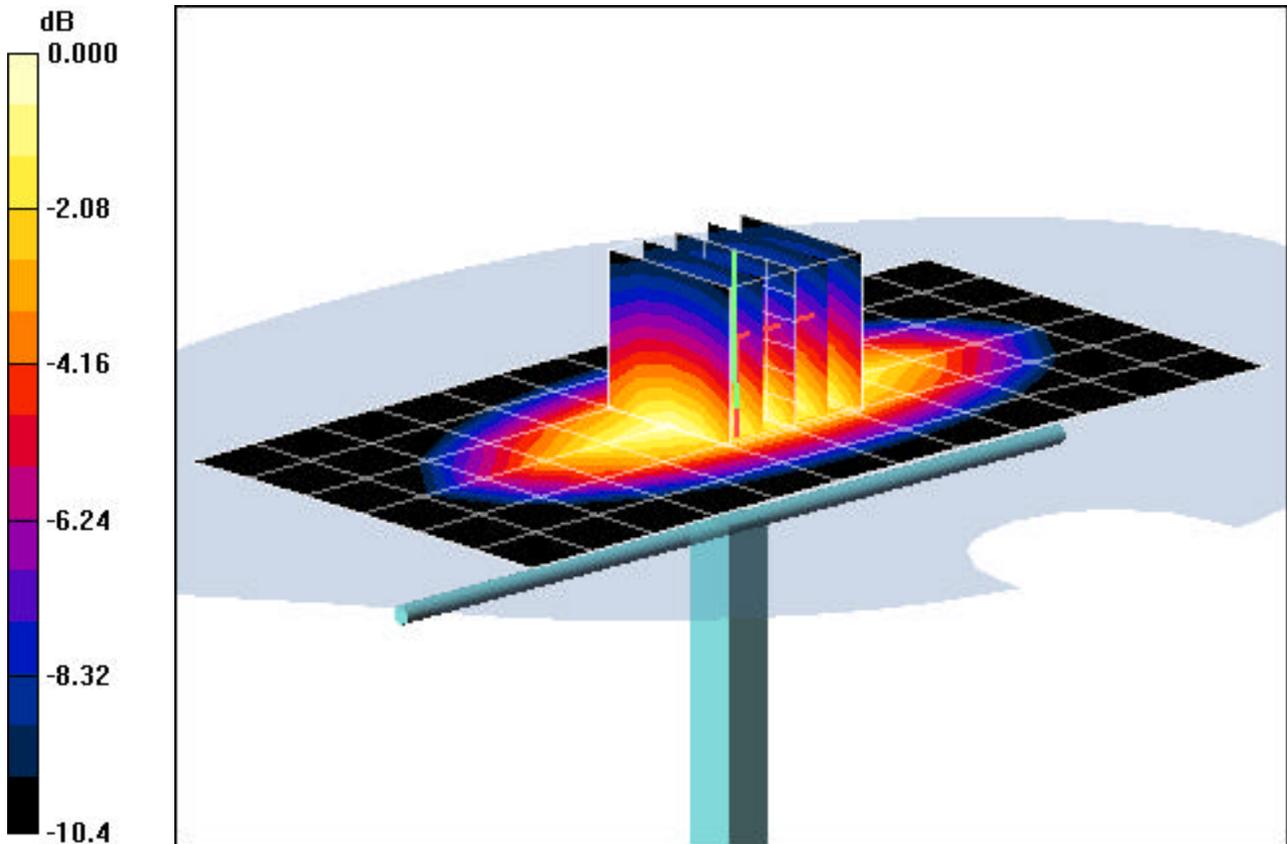
1900MHz Dipole Validation

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Input Power = 20.0 dBm (100 mW)
SAR(1 g) = 3.94 mW/g; SAR(10 g) = 2.18 mW/g
Target SAR(1g) = 3.75 mW/g; Deviation = +5.06 %

0 dB = 4.97mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Dipole 2450 MHz; Type: D2450V2; SN:719

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: 2450 Brain (σ = 1.82 mho/m, ε_r = 40.14, ρ = 1000 kg/m^3)
Phantom section: Flat Section

Test Date: 02-16-2007; Ambient Temp: 22.9°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3561; ConvF(6.32, 6.32, 6.32); Calibrated: 11/23/2006
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 1/23/2007
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP:1357
Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

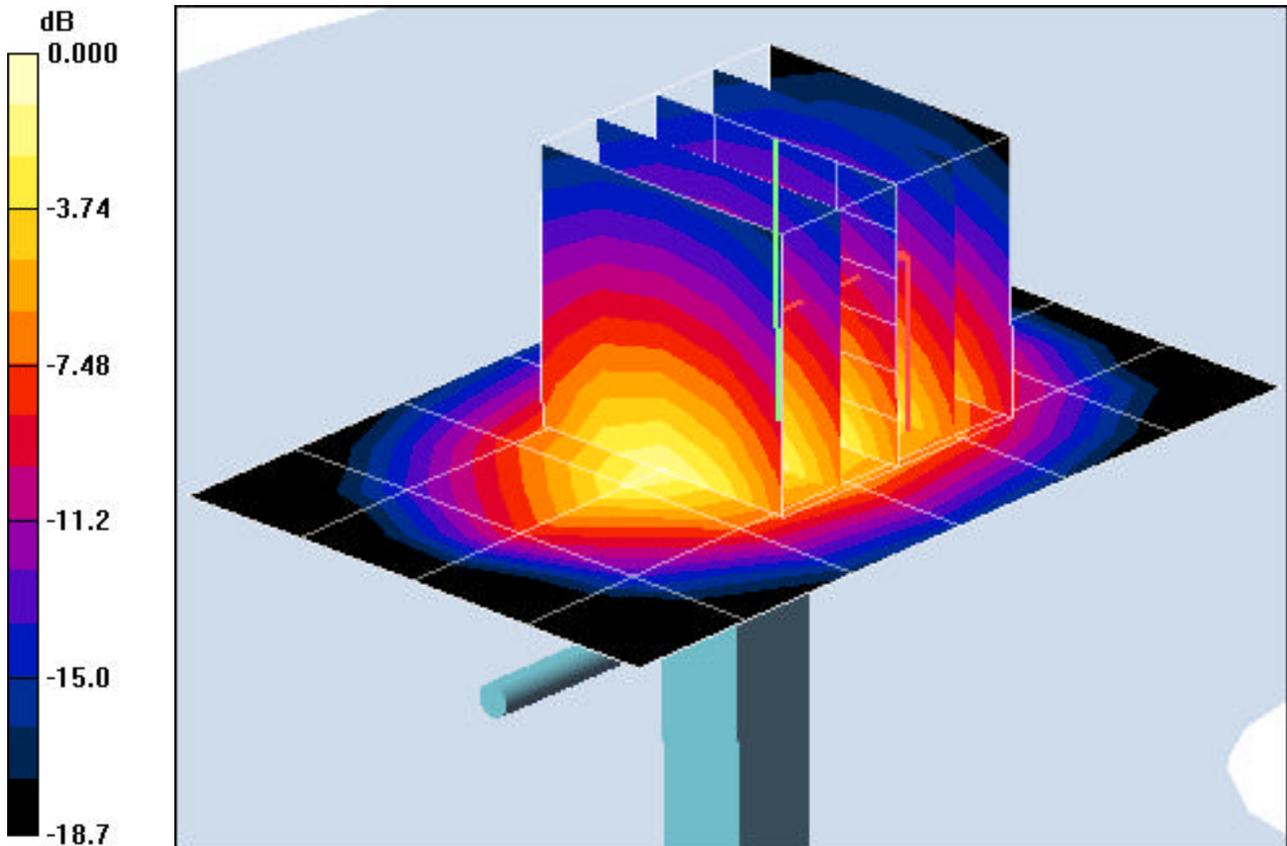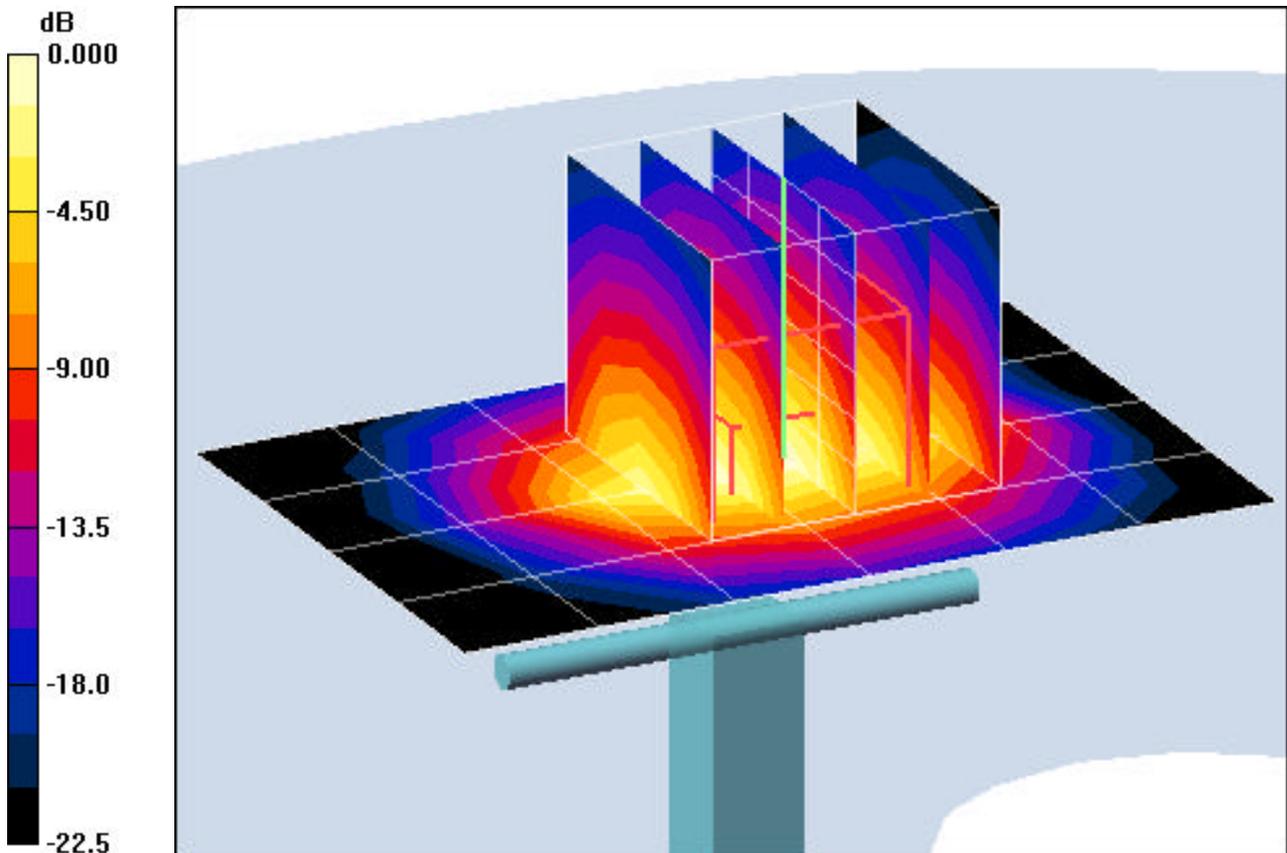## 2450MHz Dipole Validation

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Input Power = 20.0 dBm (100 mW)
SAR(1 g) = 5.59 mW/g; SAR(10 g) = 2.73 mW/g
Target SAR(1g) = 5.40 mW/g; Deviation = +3.51 %

0 dB = 7.22mW/g

APPENDIX C: PROBE CALIBRATION

ilac-MRA

SWISS CALIBRATION

S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
   Swiss Calibration Service

Accredited by the Swiss Federal Office of Metrology and Accreditation

The Swiss Accreditation Service is one of the signatories to the EA
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 108**

Client   **PC Test**

Certificate No: **EX3-3561_Nov06**

CALIBRATION CERTIFICATE

Object	EX3DV4 - SN:3561
Calibration procedure(s)	QA CAL-01.v5 and QA CAL-14.v3 Calibration procedure for dosimetric E-field probes
Calibration date:	November 23, 2006
Condition of the calibrated item	In Tolerance

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power meter E4419B	GB41293874	5-Apr-06 (METAS, No. 251-00557)	Apr-07
Power sensor E4412A	MY41495277	5-Apr-06 (METAS, No. 251-00557)	Apr-07
Power sensor E4412A	MY41498087	5-Apr-06 (METAS, No. 251-00557)	Apr-07
Reference 3 dB Attenuator	SN: S5054 (3c)	10-Aug-06 (METAS, No. 217-00592)	Aug-07
Reference 20 dB Attenuator	SN: S5086 (20b)	4-Apr-06 (METAS, No. 251-00558)	Apr-07
Reference 30 dB Attenuator	SN: S5129 (30b)	10-Aug-06 (METAS, No. 217-00593)	Aug-07
Reference Probe ES3DV2	SN: 3013	2-Jan-06 (SPEAG, No. ES3-3013_Jan06)	Jan-07
DAE4	SN: 654	21-Jun-06 (SPEAG, No. DAE4-654_Jun06)	Jun-07

Secondary Standards	ID #	Check Date (in house)	Scheduled Check
RF generator HP 8648C	US3642U01700	4-Aug-99 (SPEAG, in house check Nov-05)	In house check: Nov-07
Network Analyzer HP 8753E	US37390585	18-Oct-01 (SPEAG, in house check Oct-06)	In house check: Oct-07

	Name	Function	Signature
Calibrated by:	Katja Pokovic	Technical Manager	
Approved by:	Niels Kuster	Quality Manager	

Issued: November 23, 2006

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

Calibration Laboratory of

Schmid & Partner
   Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

S   Schweizerischer Kalibrierdienst
C   Service suisse d'étalonnage
C   Servizio svizzero di taratura
S   Swiss Calibration Service

Accredited by the Swiss Federal Office of Metrology and Accreditation
The Swiss Accreditation Service is one of the signatories to the EA
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 108

Glossary:

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConF	sensitivity in TSL / NORMx,y,z
DCP	diode compression point
Polarization φ	φ rotation around probe axis
Polarization ϑ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis

Calibration is Performed According to the Following Standards:

a) IEEE Std 1528-2003, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", December 2003

b) CENELEC EN 50361, "Basic standard for the measurement of Specific Absorption Rate related to human exposure to electromagnetic fields from mobile phones (300 MHz - 3 GHz), July 2001

Methods Applied and Interpretation of Parameters:

- *NORMx,y,z:* Assessed for E-field polarization $\vartheta = 0$ (f $\leq$ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not effect the E^2-field uncertainty inside TSL (see below *ConF*).

- *NORM(f)x,y,z = NORMx,y,z * frequency_response* (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of *ConF*.

- *DCPx,y,z:* DCP are numerical linearization parameters assessed based on the data of power sweep (no uncertainty required). DCP does not depend on frequency nor media.

- *ConF and Boundary Effect Parameters:* Assessed in flat phantom using E-field (or Temperature Transfer Standard for f $\leq$ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx,y,z * ConF whereby the uncertainty corresponds to that given for *ConF*. A frequency dependent *ConF* is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.

- *Spherical isotropy (3D deviation from isotropy):* in a field of low gradients realized using a flat phantom exposed by a patch antenna.

- *Sensor Offset:* The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.

Probe EX3DV4

SN:3561

Manufactured: February 14, 2005
Last calibrated: August 24, 2005
Recalibrated: November 23, 2006

Calibrated for DASY Systems

(Note: non-compatible with DASY2 system!)

DASY - Parameters of Probe: EX3DV4 SN:3561

Sensitivity in Free Space[A]

NormX	**0.450** ± 10.1%	$\mu V/(V/m)^2$
NormY	**0.490** ± 10.1%	$\mu V/(V/m)^2$
NormZ	**0.420** ± 10.1%	$\mu V/(V/m)^2$

Diode Compression[B]

DCP X	**87** mV
DCP Y	**91** mV
DCP Z	**89** mV

Sensitivity in Tissue Simulating Liquid (Conversion Factors)

Please see Page 8.

Boundary Effect

TSL   **900 MHz**   **Typical SAR gradient: 5 % per mm**

		2.0 mm	3.0 mm
Sensor Center to Phantom Surface Distance		**2.0 mm**	**3.0 mm**
SAR_{be} [%]	Without Correction Algorithm	3.8	1.5
SAR_{be} [%]	With Correction Algorithm	0.0	0.0

TSL   **1810 MHz**   **Typical SAR gradient: 10 % per mm**

		2.0 mm	3.0 mm
Sensor Center to Phantom Surface Distance		**2.0 mm**	**3.0 mm**
SAR_{be} [%]	Without Correction Algorithm	4.7	2.8
SAR_{be} [%]	With Correction Algorithm	1.1	0.8

Sensor Offset

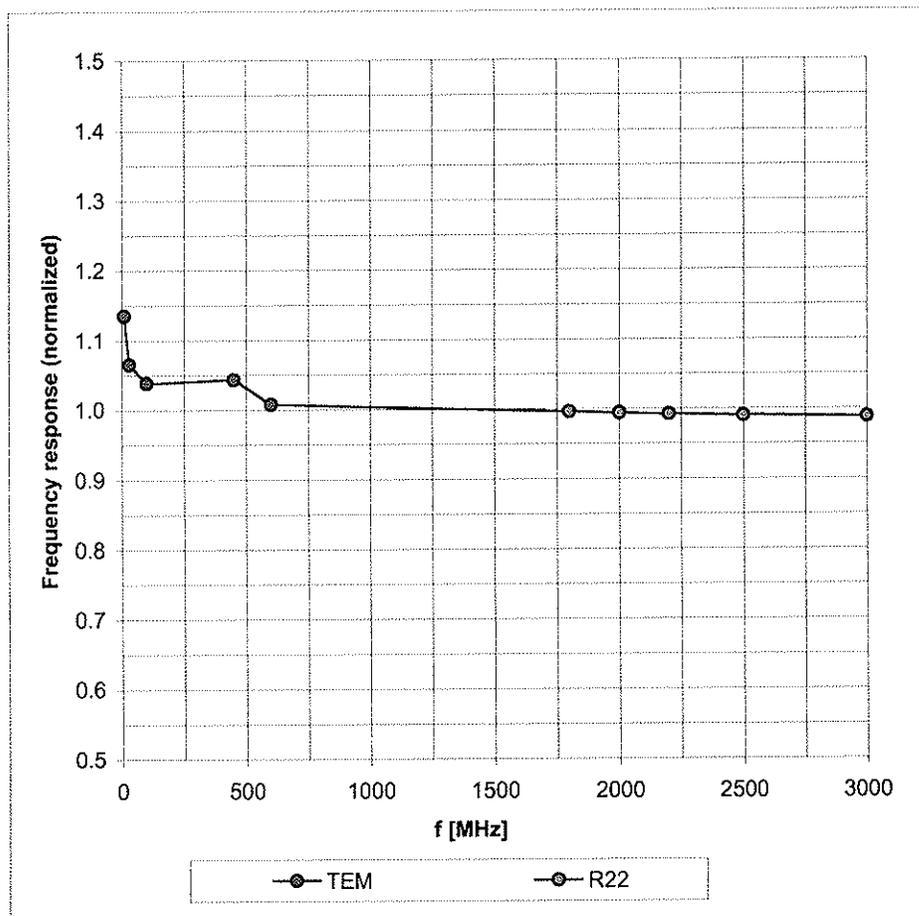| Probe Tip to Sensor Center	**1.0** mm

> The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

[A] The uncertainties of NormX,Y,Z do not affect the E^2-field uncertainty inside TSL (see Page 8).

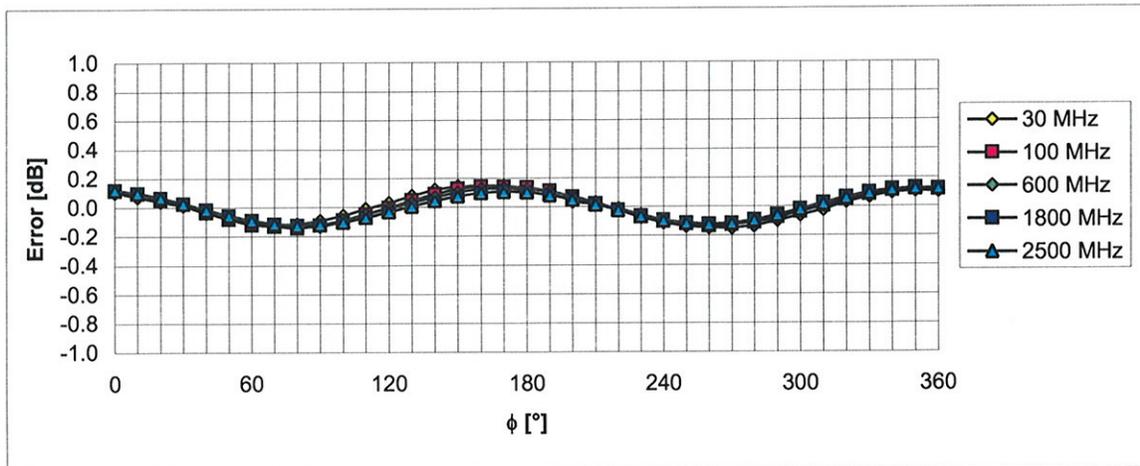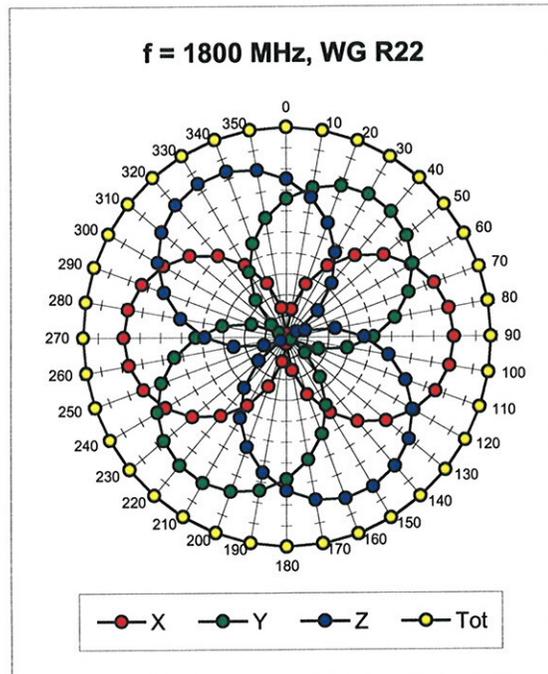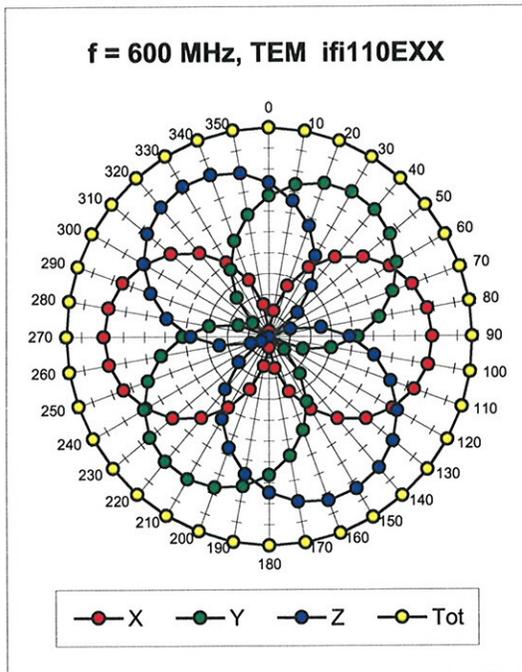[B] Numerical linearization parameter: uncertainty not required.

Frequency Response of E-Field

(TEM-Cell:ifi110 EXX, Waveguide: R22)

Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

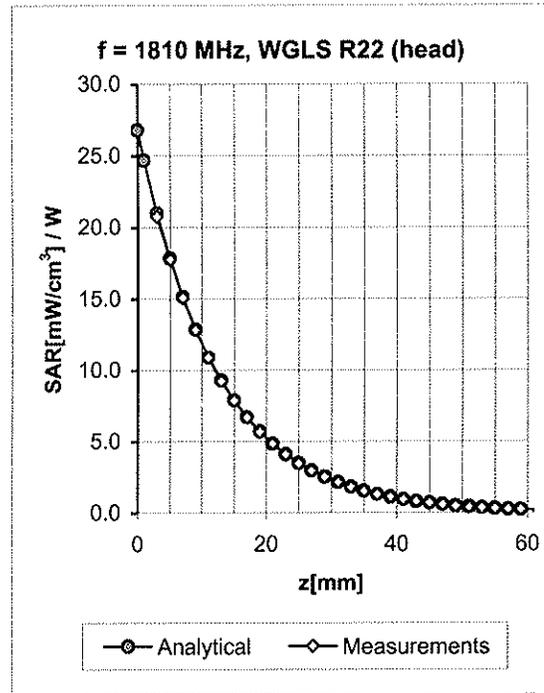# Receiving Pattern (ϕ), $\vartheta = 0°$

f = 600 MHz, TEM ifi110EXX

X Y Z Tot

f = 1800 MHz, WG R22

X Y Z Tot

- 30 MHz
- 100 MHz
- 600 MHz
- 1800 MHz
- 2500 MHz

Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

Dynamic Range f(SAR$_{head}$)

(Waveguide R22, f = 1800 MHz)

Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment

f = 900 MHz, WGLS R9 (head)

f = 1810 MHz, WGLS R22 (head)

f [MHz]	Validity [MHz]^c	TSL	Permittivity	Conductivity	Alpha	Depth	ConvF	Uncertainty
900	± 50 / ± 100	Head	41.5 ± 5%	0.97 ± 5%	0.35	1.30	7.94	± 11.0% (k=2)
1810	± 50 / ± 100	Head	40.0 ± 5%	1.40 ± 5%	0.19	1.20	6.99	± 11.0% (k=2)
2450	± 50 / ± 100	Head	39.2 ± 5%	1.80 ± 5%	0.44	1.00	6.32	± 11.8% (k=2)
5200	± 50 / ± 100	Head	36.0 ± 5%	4.66 ± 5%	0.45	1.36	4.34	± 13.1% (k=2)
5300	± 50 / ± 100	Head	35.9 ± 5%	4.76 ± 5%	0.45	1.40	4.23	± 13.1% (k=2)
5800	± 50 / ± 100	Head	35.3 ± 5%	5.27 ± 5%	0.45	1.42	4.01	± 13.1% (k=2)
900	± 50 / ± 100	Body	55.0 ± 5%	1.05 ± 5%	0.40	1.25	7.92	± 11.0% (k=2)
1810	± 50 / ± 100	Body	53.3 ± 5%	1.52 ± 5%	0.21	1.20	6.47	± 11.0% (k=2)
2450	± 50 / ± 100	Body	52.7 ± 5%	1.95 ± 5%	0.47	1.00	6.33	± 11.8% (k=2)
5200	± 50 / ± 100	Body	49.0 ± 5%	5.30 ± 5%	0.40	1.50	3.89	± 13.1% (k=2)
5300	± 50 / ± 100	Body	48.5 ± 5%	5.42 ± 5%	0.45	1.50	3.63	± 13.1% (k=2)
5800	± 50 / ± 100	Body	48.2 ± 5%	6.00 ± 5%	0.45	1.70	3.59	± 13.1% (k=2)

^{c} The validity of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2). The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

Deviation from Isotropy in HSL

Error (ϕ, ϑ), f = 900 MHz

Legend:
- ■ -1.00--0.80
- ■ -0.80--0.60
- ■ -0.60--0.40
- ■ -0.40--0.20
- ■ -0.20-0.00
- □ 0.00-0.20
- ■ 0.20-0.40
- □ 0.40-0.60
- □ 0.60-0.80
- ■ 0.80-1.00

Uncertainty of Spherical Isotropy Assessment: ± 2.6% (k=2)