

PCTEST ENGINEERING LABORATORY, INC.

DUT: Dipole 835 MHz; Type: D835V2; Serial: 406

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: 835 Brain ($\sigma = 0.88$ mho/m, $\epsilon_r = 42.61$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

Test Date: 05-04-2005; Ambient Temp: 23.6°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3550; ConvF(8.12, 8.12, 8.12); Calibrated: 10/26/2004

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn637; Calibrated: 9/22/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

835MHz Dipole Validation

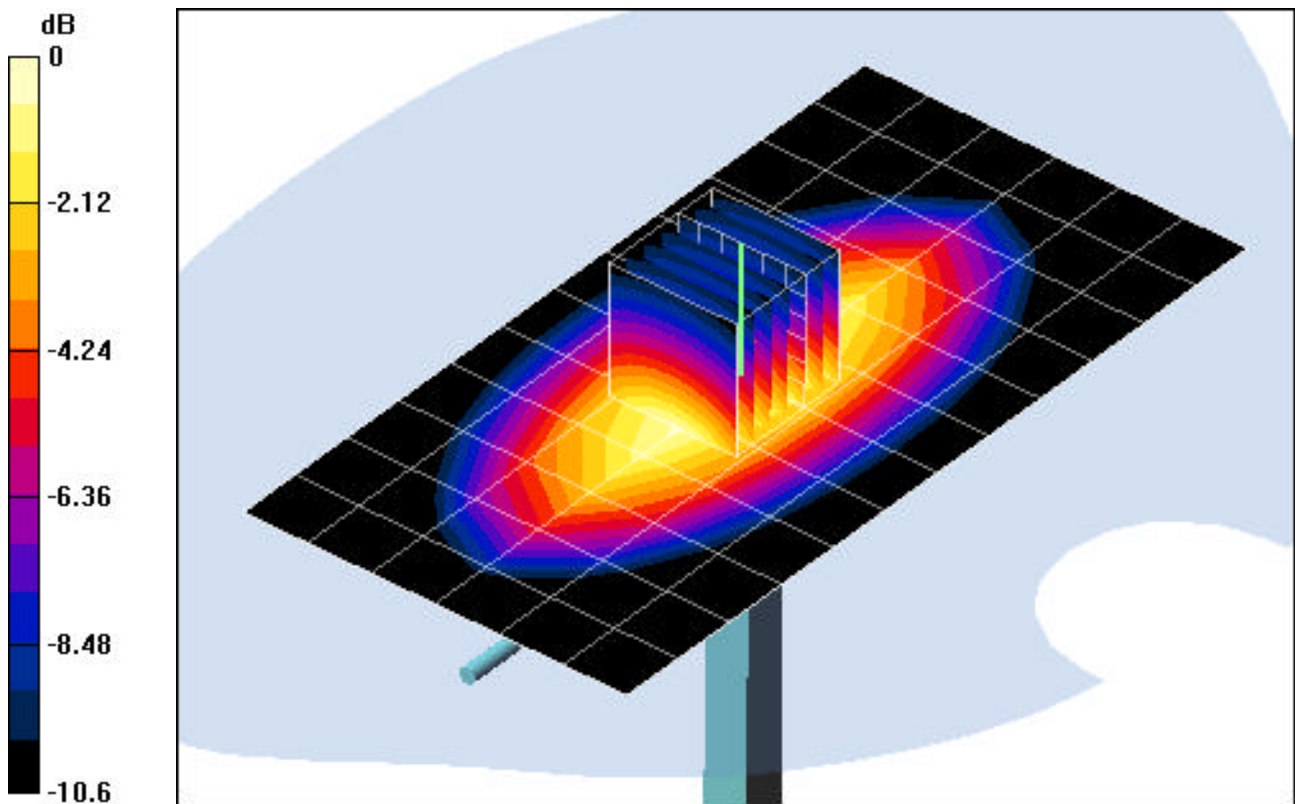
Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Input Power = 24.0 dBm. (250 mW)

SAR(1 g) = 2.43 mW/g; SAR(10 g) = 1.53 mW/g

Target SAR(1g) = 2.375 mW/g; Deviation = +2.31%



0 dB = 2.74mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Dipole 835 MHz; Type: D835V2; Serial: 406

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: 835 Brain ($\sigma = 0.88$ mho/m, $\epsilon_r = 42.61$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

Test Date: 05-05-2005; Ambient Temp: 23.7°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN3550; ConvF(8.12, 8.12, 8.12); Calibrated: 10/26/2004

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn637; Calibrated: 9/22/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

835MHz Dipole Validation

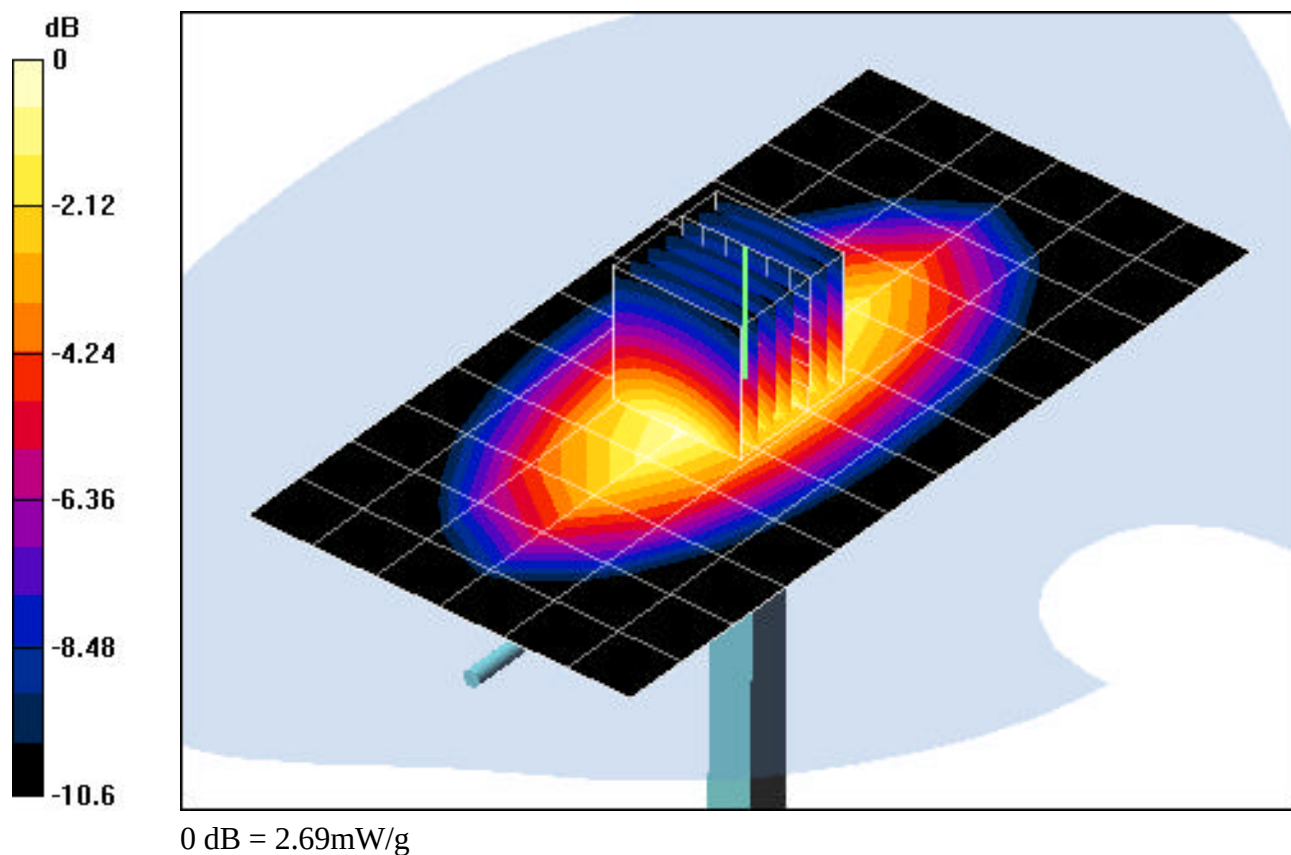
Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Input Power = 24.0 dBm. (250 mW)

SAR(1 g) = 2.48 mW/g; SAR(10 g) = 1.62 mW/g

Target SAR(1g) = 2.375 mW/g; Deviation = +4.42 %



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 ($\sigma = 1.86$ mho/m, $\epsilon_r = 40.29$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

Test Date: 05-09-2005; Ambient Temp: 23.5°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN3550; ConvF(6.33, 6.33, 6.33); Calibrated: 10/26/2004

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn637; Calibrated: 9/22/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

2450MHz Dipole Validation

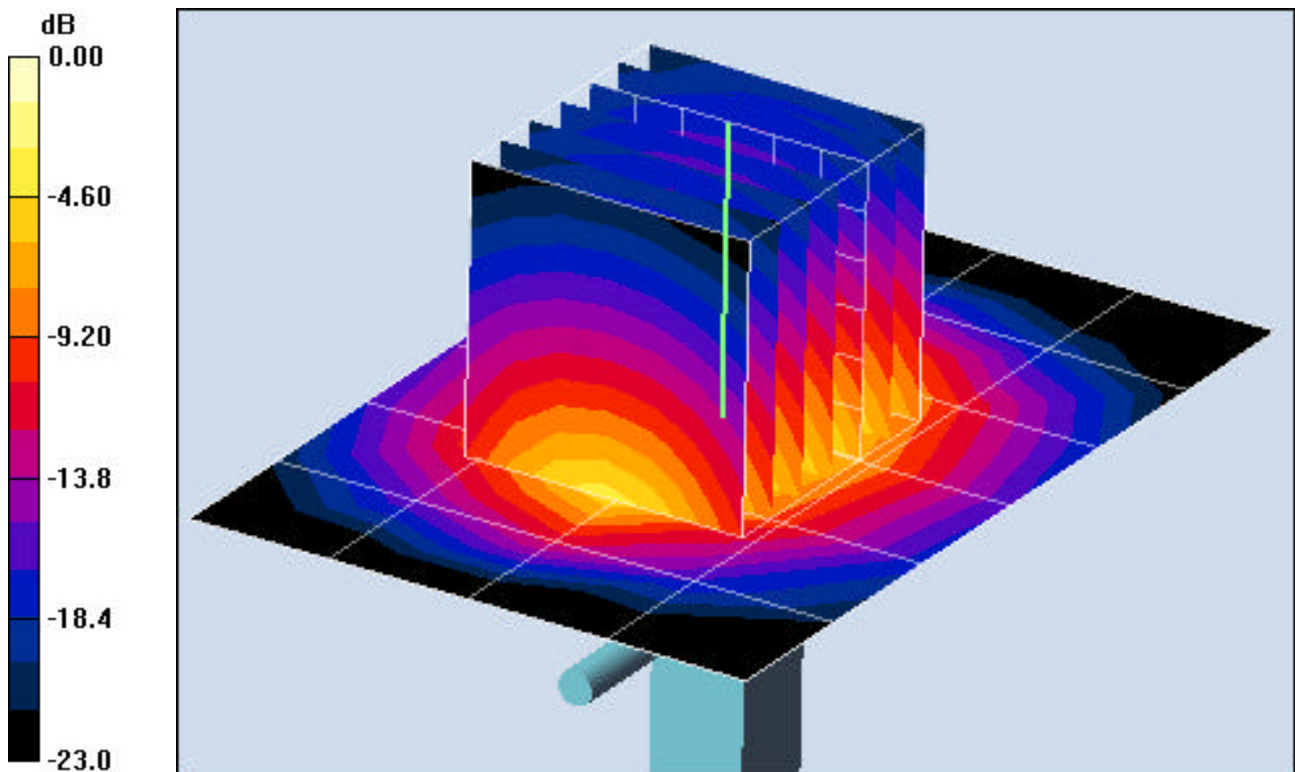
Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Input Power = 20.0 dBm (100 mW)

SAR(1 g) = 5.46 mW/g; SAR(10 g) = 2.48 mW/g

Target SAR(1 g) = 5.24 mW/g; Deviation = +4.19 %



0 dB = 7.26mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Dipole 5800 MHz; Type: D5GHzV2; Serial: 1007

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: 5800 Brain ($\sigma = 5.39$ mho/m, $\epsilon_r = 36.48$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

Test Date: 05-10-2005; Ambient Temp: 23.8°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN3550; ConvF(3.74, 3.74, 3.74); Calibrated: 10/26/2004

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn637; Calibrated: 9/22/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

5800MHz Dipole Validation

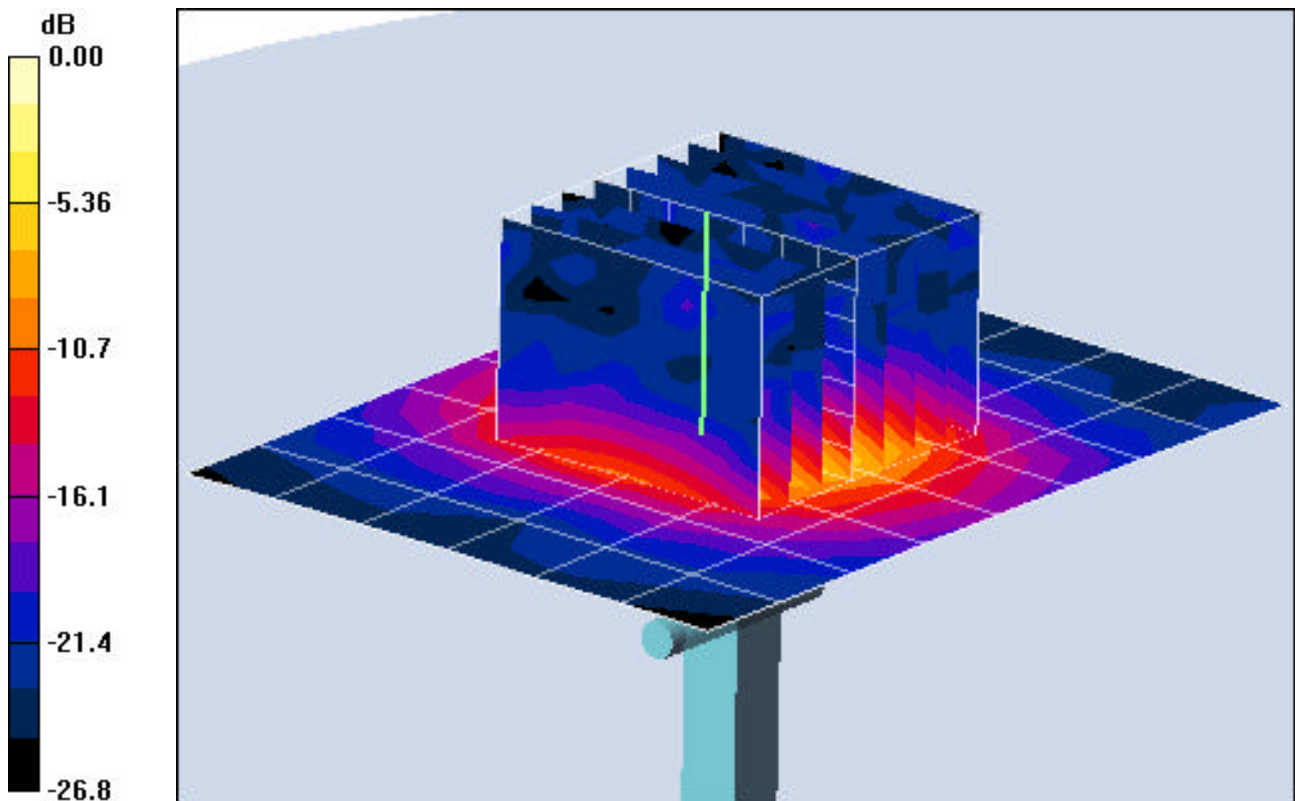
Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Input Power = 14.0dBm (25 mW)

SAR (1 g) = 2.39 mW/g; SAR (10g) = 0.657 mW/g

Target SAR(1 g) = 2.25 mW/g; Deviation = +6.22 %



0 dB = 3.52mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Dipole 5800 MHz; Type: D5GHzV2; Serial: 1007

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: 5800 Brain ($\sigma = 5.39$ mho/m, $\epsilon_r = 36.48$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

Test Date: 05-11-2005; Ambient Temp: 23.7°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN3550; ConvF(3.74, 3.74, 3.74); Calibrated: 10/26/2004

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn637; Calibrated: 9/22/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

5800MHz Dipole Validation

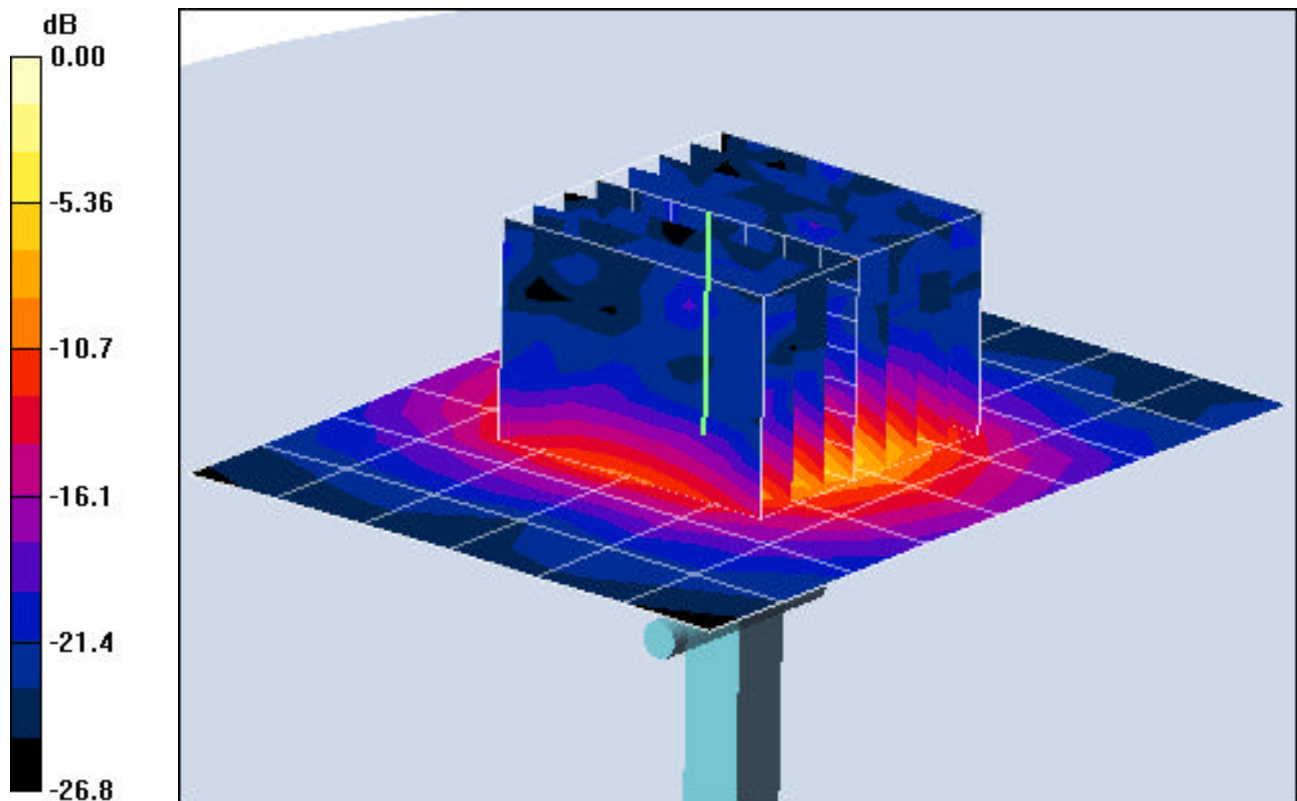
Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Input Power = 14.0dBm (25 mW)

SAR (1 g) = 2.33 mW/g; SAR (10g) = 0.646 mW/g

Target SAR(1 g) = 2.25 mW/g; Deviation = +3.55 %



0 dB = 3.47mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Dipole 835 MHz; Type: D835V2; Serial: 406

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: 835 Brain ($\sigma = 0.90$ mho/m, $\epsilon_r = 42.16$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 1.5cm.

Test Date: 07-18-2005; Ambient Temp: 23.4°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN3550; ConvF(8.12, 8.12, 8.12); Calibrated: 10/26/2004

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn637; Calibrated: 9/22/2004

Phantom: SAM Main; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

835MHz Dipole Validation

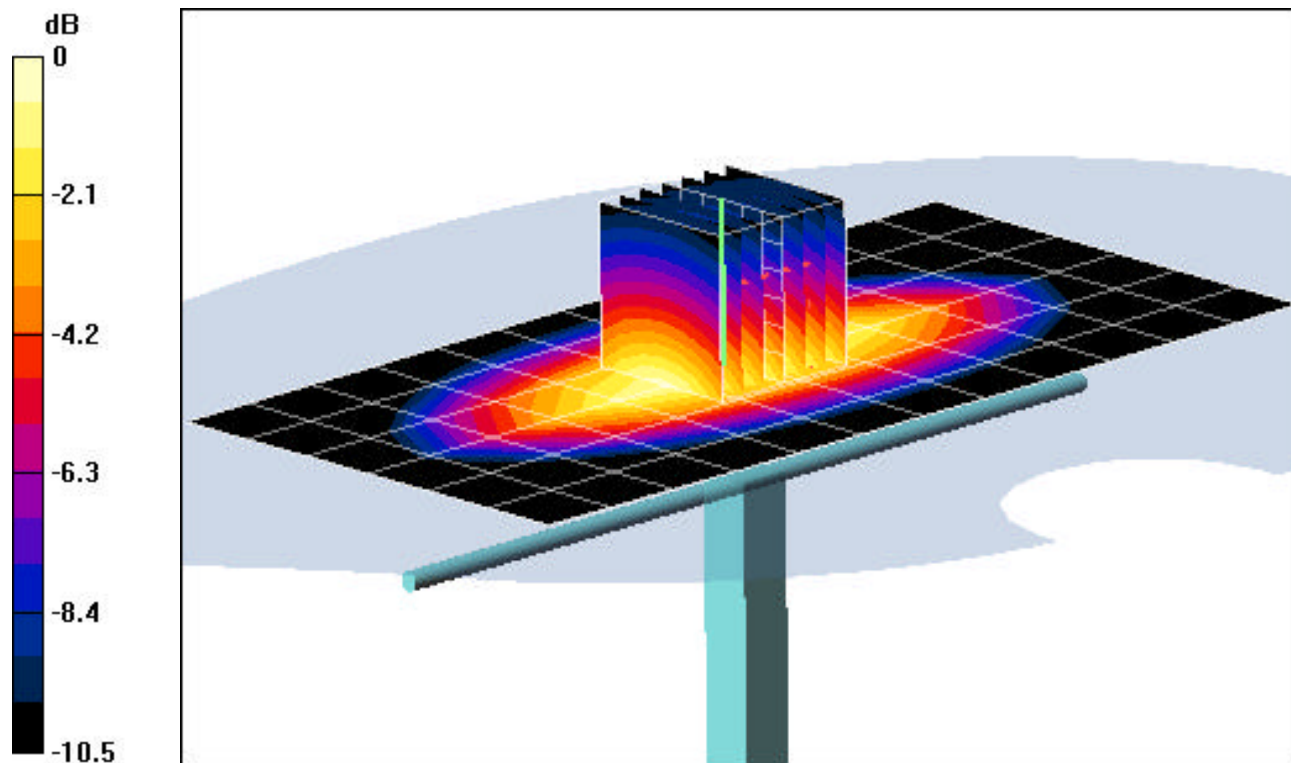
Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Input Power = 24.0 dBm (250 mW)

SAR(1 g) = 2.41 mW/g; SAR(10 g) = 1.76 mW/g

Target SAR(1g) = 2.375 mW/g; Deviation = + 1.47 %



0 dB = 3.89mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Dipole 835 MHz; Type: D835V2; Serial: 406

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: 835 Brain ($\sigma = 0.90$ mho/m, $\epsilon_r = 42.16$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 1.5cm.

Test Date: 07-19-2005; Ambient Temp: 23.5°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3550; ConvF(8.12, 8.12, 8.12); Calibrated: 10/26/2004

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn637; Calibrated: 9/22/2004

Phantom: SAM Main; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

835MHz Dipole Validation

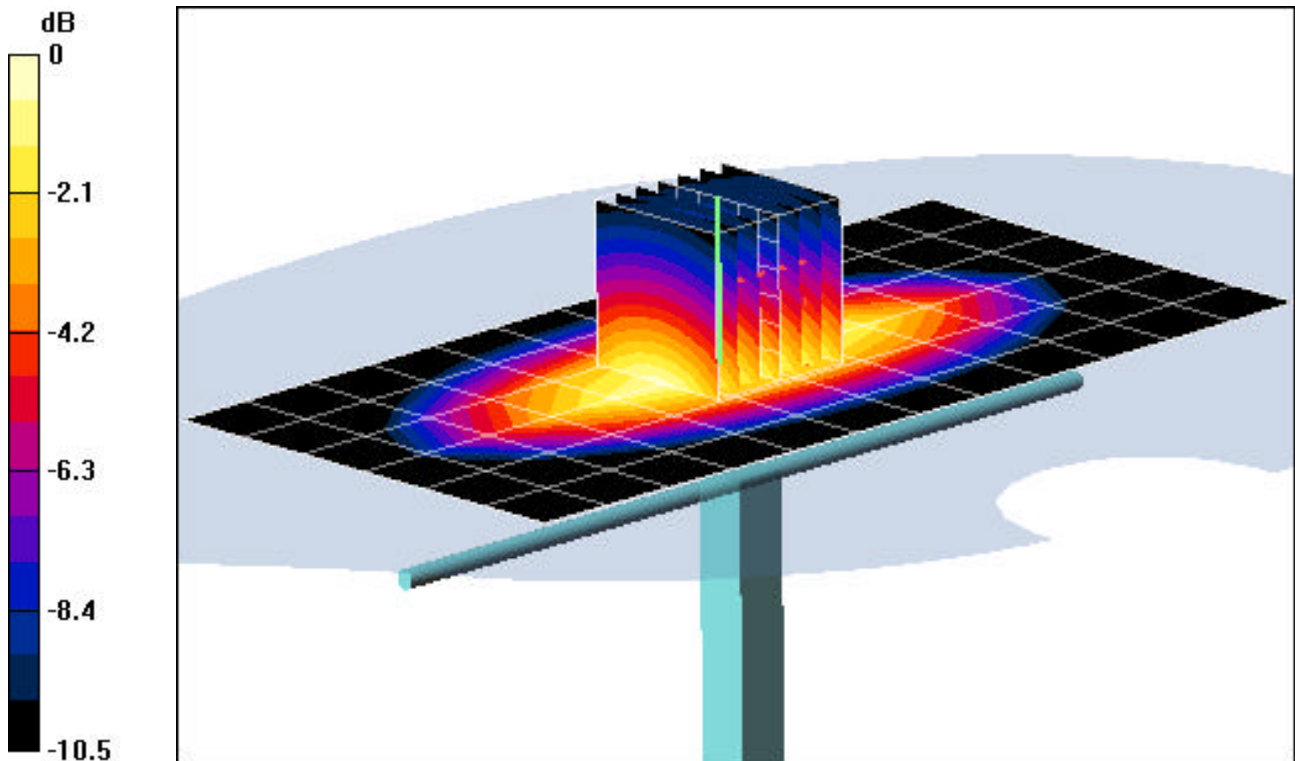
Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Input Power = 24.0 dBm (250 mW)

SAR(1 g) = 2.45 mW/g; SAR(10 g) = 1.88 mW/g

Target SAR(1g) = 2.375 mW/g; Deviation = + 3.15. %



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 ($\sigma = 1.82$ mho/m, $\epsilon_r = 39.67$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

Test Date: 07-20-2005; Ambient Temp: 23.6°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN3550; ConvF(6.33, 6.33, 6.33); Calibrated: 10/26/2004

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn637; Calibrated: 9/22/2004

Phantom: SAM Main; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

2450MHz Dipole Validation

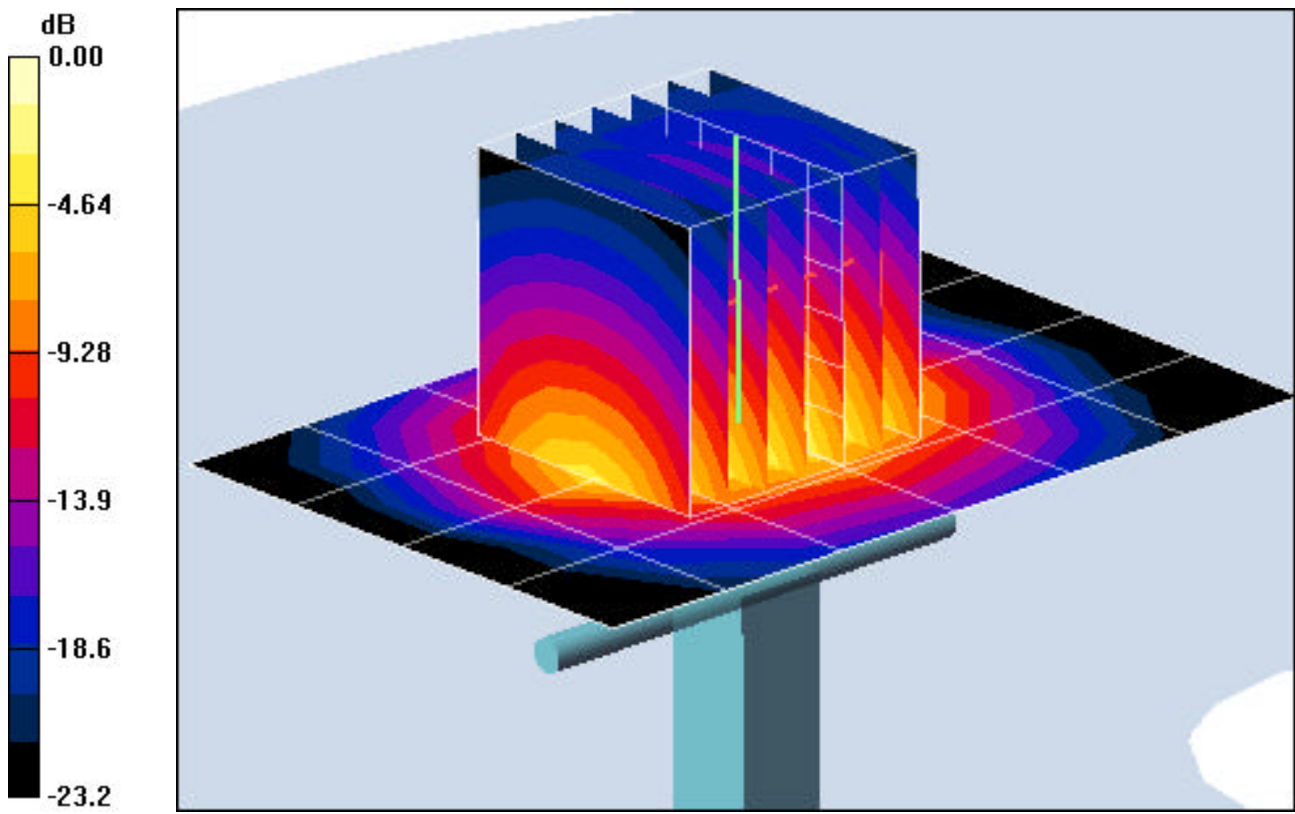
Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Input Power = 20.0 dBm (100mW)

SAR(1 g) = 5.41 mW/g; SAR(10 g) = 2.78 mW/g

Target SAR(1 g) = 5.24 mW/g; Deviation = +3.24%



0 dB = 7.31mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Dipole 5800 MHz; Type: D5GHzV2; SN: 1007

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: 5800 Brain ($\sigma = 5.32$ mho/m, $\epsilon_r = 35.83$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

Test Date: 07-20-2005; Ambient Temp: 23.6°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN3550; ConvF(3.74, 3.74, 3.74); Calibrated: 10/26/2004

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn637; Calibrated: 9/22/2004

Phantom: SAM Main; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

5800MHz Dipole Validation

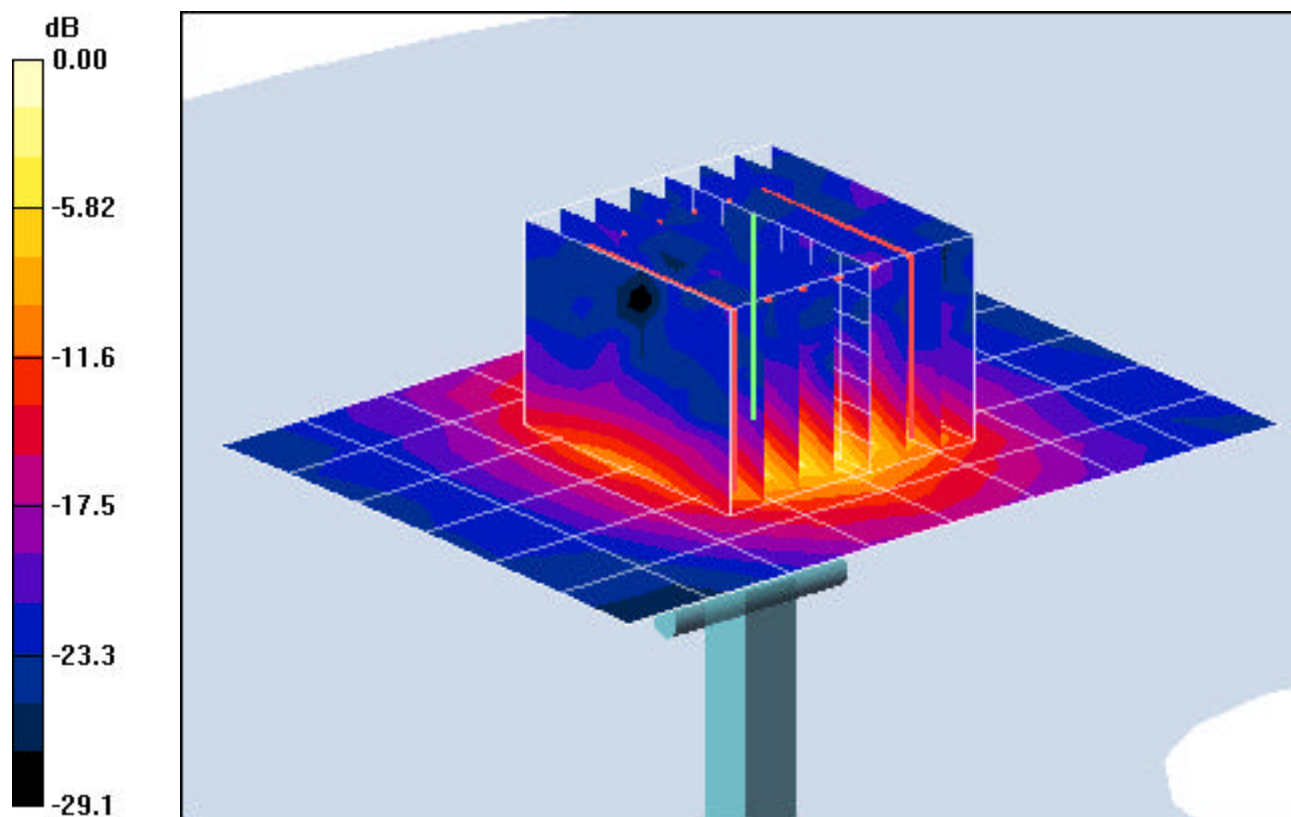
Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Input Power = 14.0 dBm (25mW)

SAR (1g) = 2.33 mW/g; SAR (10g) = 0.648 mW/g

Target SAR(1 g) = 2.25 mW/g; Deviation = +3.55%



0 dB = 3.69mW/g