

PCTEST ENGINEERING LABORATORY, INC.

DUT: Symbol MC9097-KKTH9EHA7WW; Type:Handheld Terminal; SN: ALP82022

Communication System: IDEN 800; Frequency: 815.475 MHz; Duty Cycle: 1:3

Medium: 835 Muscle ($\sigma = 0.99$ mho/m, $\epsilon_r = 52.58$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Distance: 2.5cm. from DUT to Flat Phantom

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

Probe: EX3DV4 - SN3550; ConvF(7.99, 7.99, 7.99); 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

Body, w/ Holster, Ch.758, Li-Ion Battery, Fixed Ant, +WLAN a 5.8, +BT, +SD card

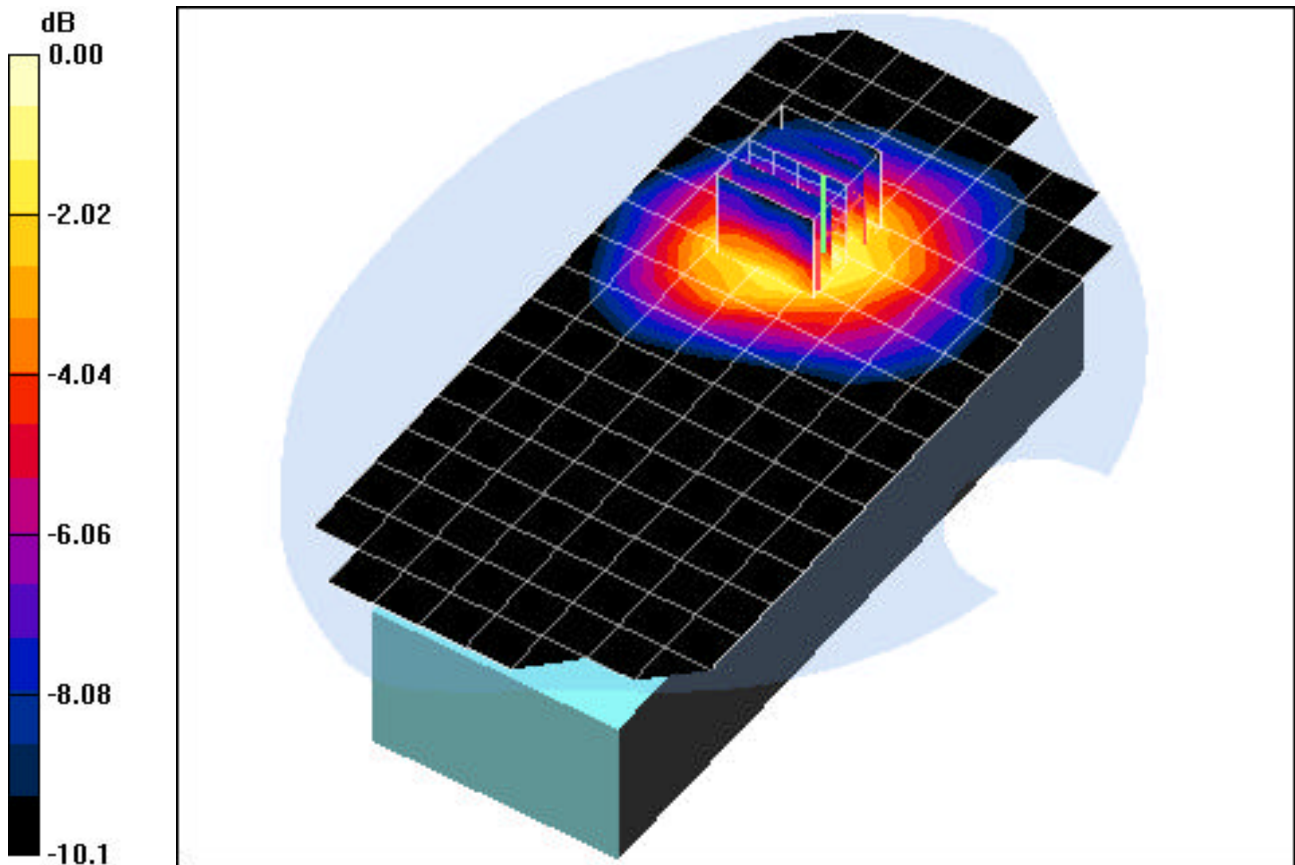
Area Scan (9x18x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 4.34 V/m

Peak SAR (extrapolated) = 0.257 W/kg

SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.116 mW/g



0 dB = 0.186mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Symbol MC9097-KKTH9EHA7WW; Type: Handheld Terminal; SN: ALP82022

Communication System: IDEN 900MHz.; Frequency: 898.994 MHz; Duty Cycle: 1:3

Medium: 900 Muscle ($\sigma = 1.02$ mho/m, $\epsilon_r = 52.67$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Distance: 2.5cm. from DUT to Flat Phantom

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

Probe: EX3DV4 - SN3550; ConvF(7.75, 7.75, 7.75); 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

Body, w/ Holster, Ch.239, Li-Ion Battery, Fixed Ant,+WLAN a 5.8,+BT, SD card

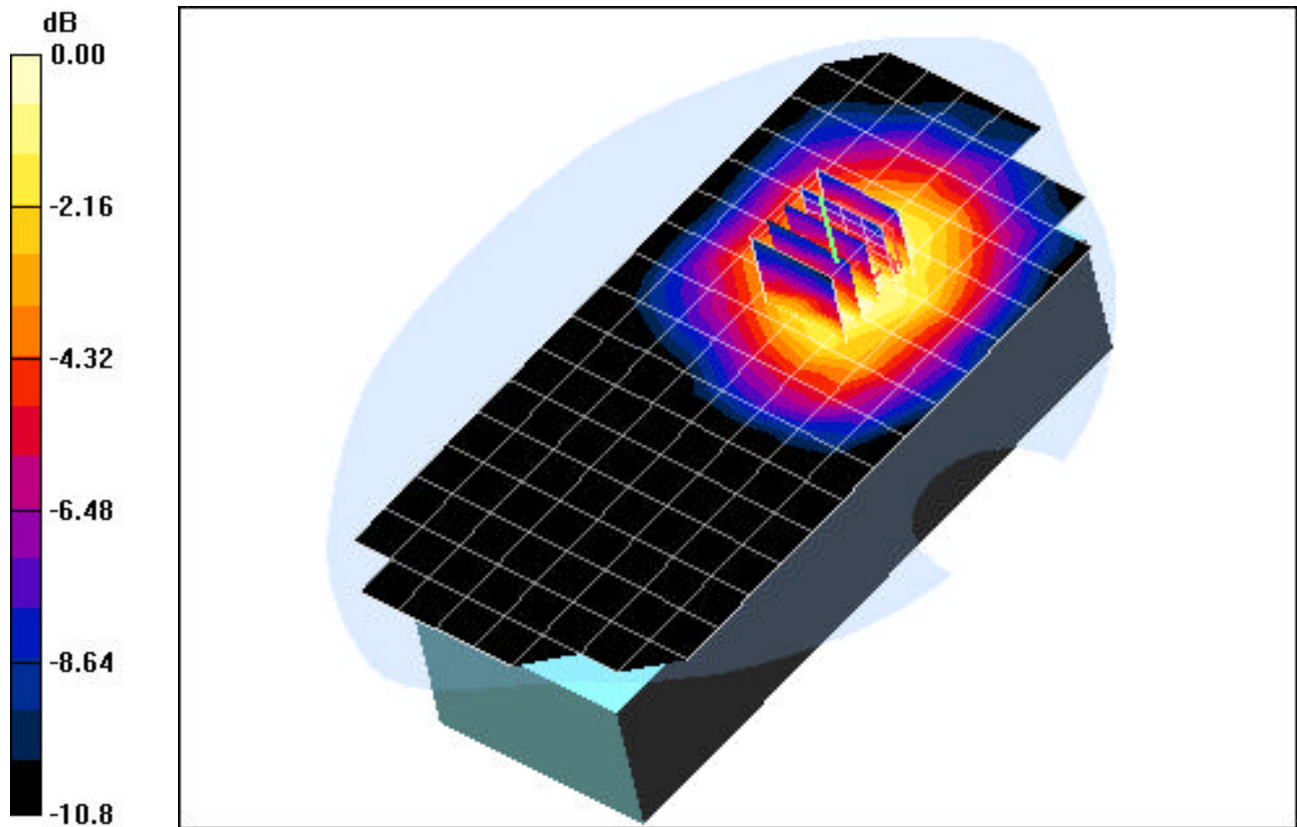
Area Scan (9x18x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 4.85 V/m

Peak SAR (extrapolated) = 0.197 W/kg

SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.092 mW/g



0 dB = 0.143mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Symbol MC9097-KKTH9EHA7WW; Type: Handheld Terminal; SN: ALP82022

Communication System: WIDEN 800MHz; Frequency: 815.475 MHz; Duty Cycle: 1:3

Medium: 835 Muscle ($\sigma = 0.98$ mho/m, $\epsilon_r = 54.1$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

Test Date: 07-18-2003; Ambient Temp: 23.4°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN3550; ConvF(7.99, 7.99, 7.99); Calibrated: 10/26/2004

Sensor-Surface: 3mm (Mechanical Surface Detection)

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

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

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

Body, w/ Holster, Ch.758, Li-Ion Battery, Fixed Ant, + WLAN a 5.2, +BT,+SD card

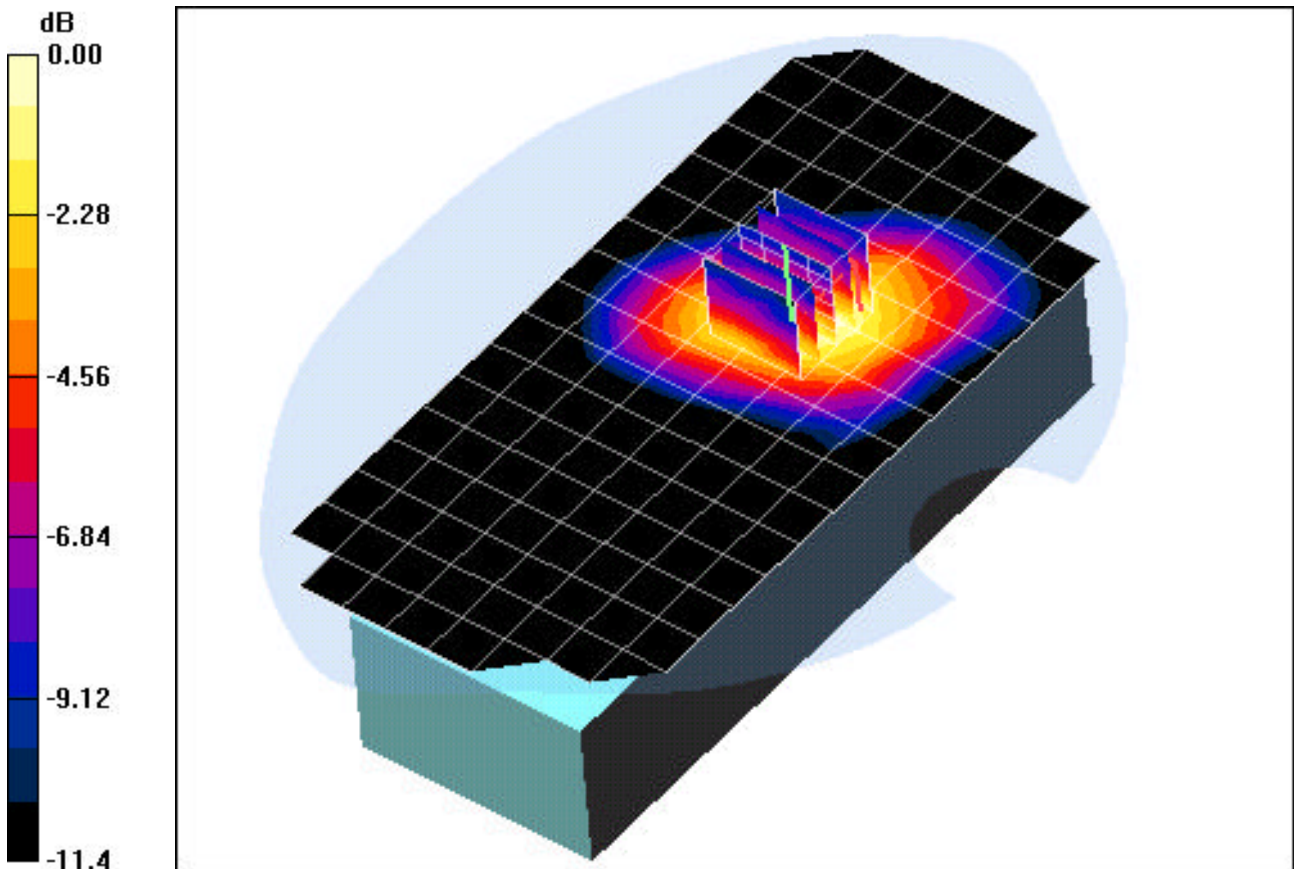
Area Scan (9x18x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 6.12 V/m

Peak SAR (extrapolated) = 0.211 W/kg

SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.084 mW/g



0 dB = 0.152mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Symbol MC9097-KKTH9EHA7WW; Type: Handheld Terminal; SN: ALP82022

Communication System: WIDEN 900MHz; Frequency: 898.994 MHz; Duty Cycle: 1:3

Medium: 900 Muscle ($\sigma = 1.01$ mho/m, $\epsilon_r = 53.2$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

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

Probe: EX3DV4 - SN3550; ConvF(7.75, 7.75, 7.75); Calibrated: 10/26/2004

Sensor-Surface: 3mm (Mechanical Surface Detection)

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

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

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

Body, w/ Holster, Ch.239, Li-Ion Battery, Fixed Ant, +WLAN a 5.8, +BT, +SD card

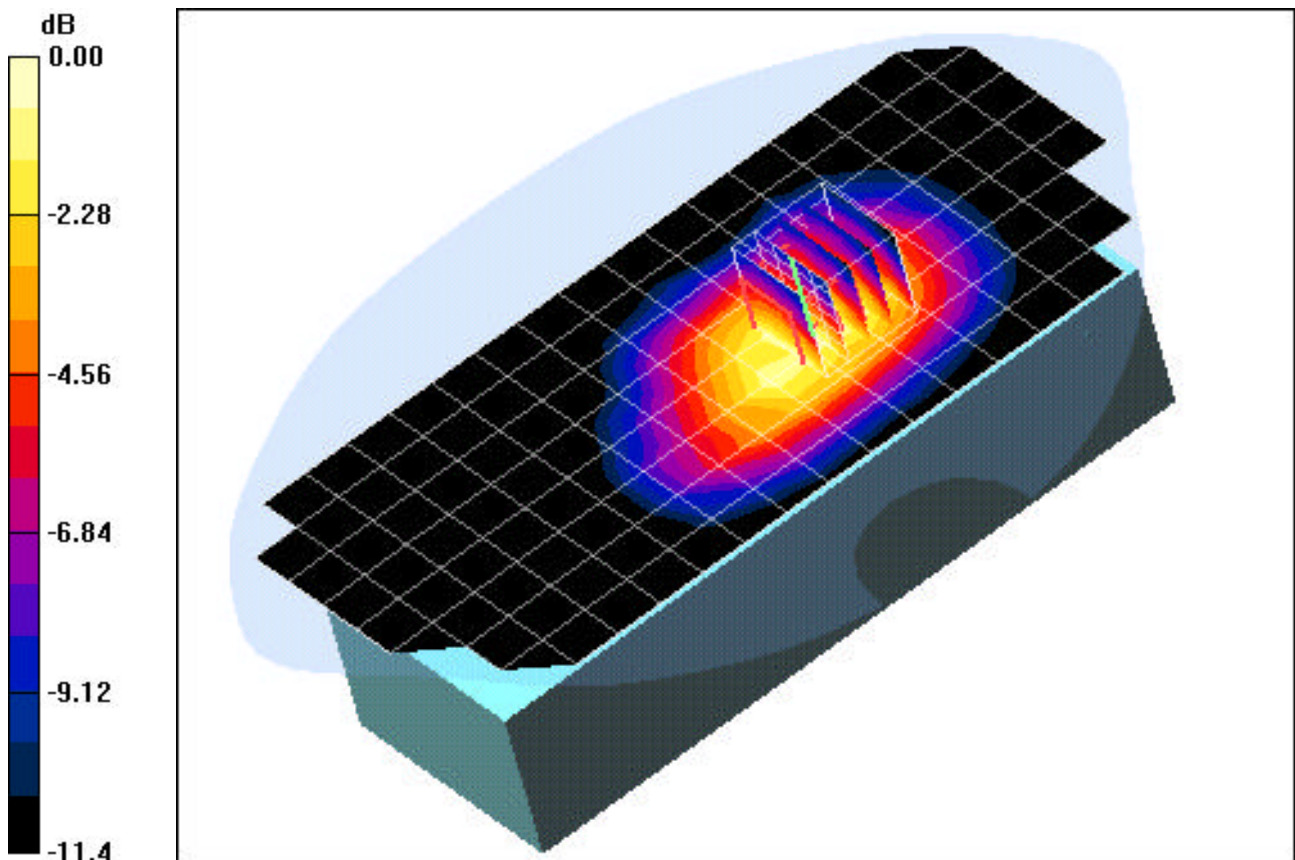
Area Scan (9x18x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 9.54 V/m

Peak SAR (extrapolated) = 0.241 W/kg

SAR(1 g) = 0.157 mW/g; SAR(10 g) = 0.107 mW/g



0 dB = 0.187mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Symbol MC9097-KKTH9EHA7WW; Type: Handheld Terminal; SN: ALP82022

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

Medium: 2450 Muscle ($\sigma = 1.95$ mho/m, $\epsilon_r = 53.64$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section: Distance: 2.5cm. from DUT to Flat Phantom

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

Probe: EX3DV4 - SN3550; ConvF(6.27, 6.27, 6.27); 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

Body, w/ Holster, Ch.06, 11Mbps, Li-Ion Battery, Aux Ant+BT+SD+Iden 800

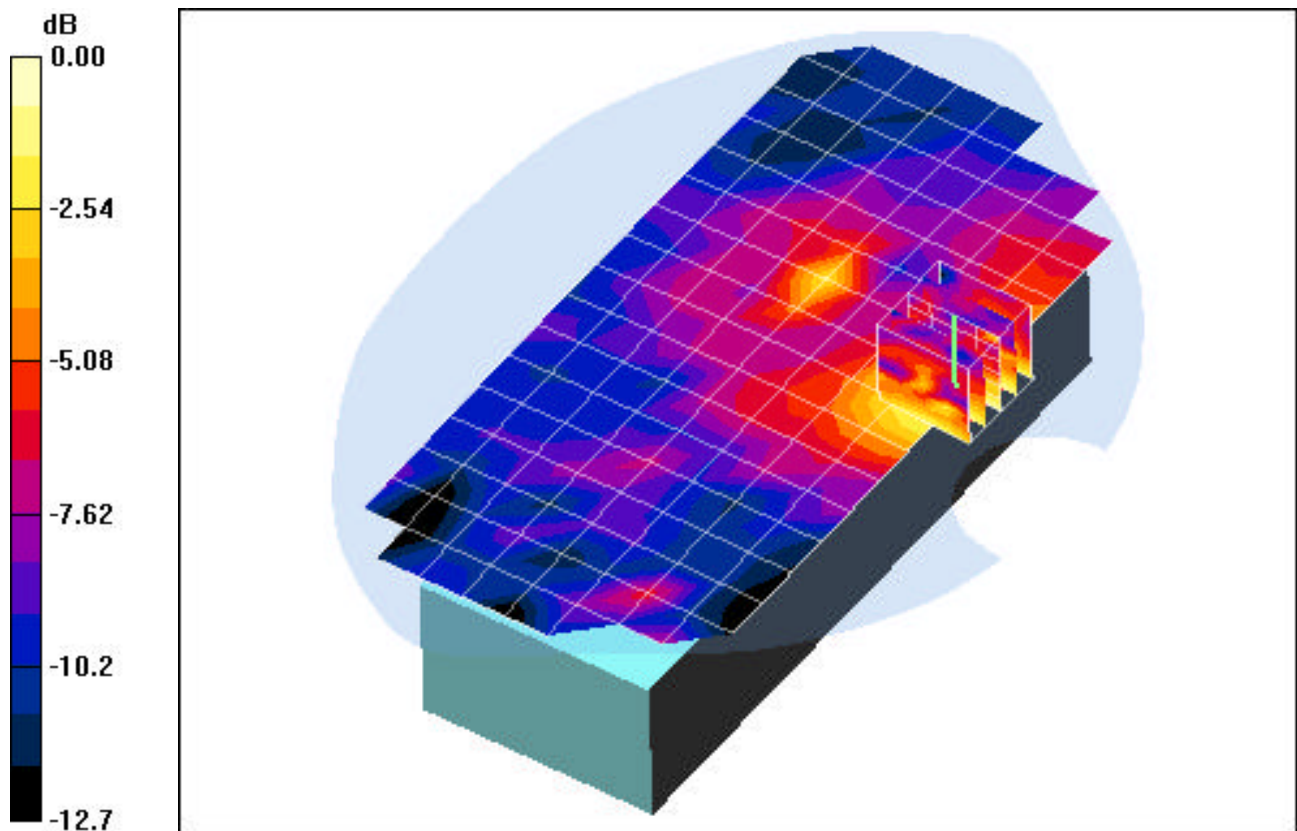
Area Scan (9x18x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 4.94 V/m

Peak SAR (extrapolated) = 0.086 W/kg

SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.042 mW/g



0 dB = 0.062mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Symbol MC9097-KKTH9EHA7WW; Type: Handheld Terminal; SN: ALP82022

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

Medium: 2450 Muscle ($\sigma = 1.95 \text{ mho/m}$, $\epsilon_r = 53.64$, $\rho = 1000 \text{ kg/m}^3$)

Phantom section: Flat Section; Distance: 2.5cm. from DUT to Flat Phantom

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

Probe: EX3DV4 - SN3550; ConvF(6.27, 6.27, 6.27); 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

Body, w/ Holster, Ch.06, 9Mbps, Li-Ion Battery, Aux Ant +BT +SD card

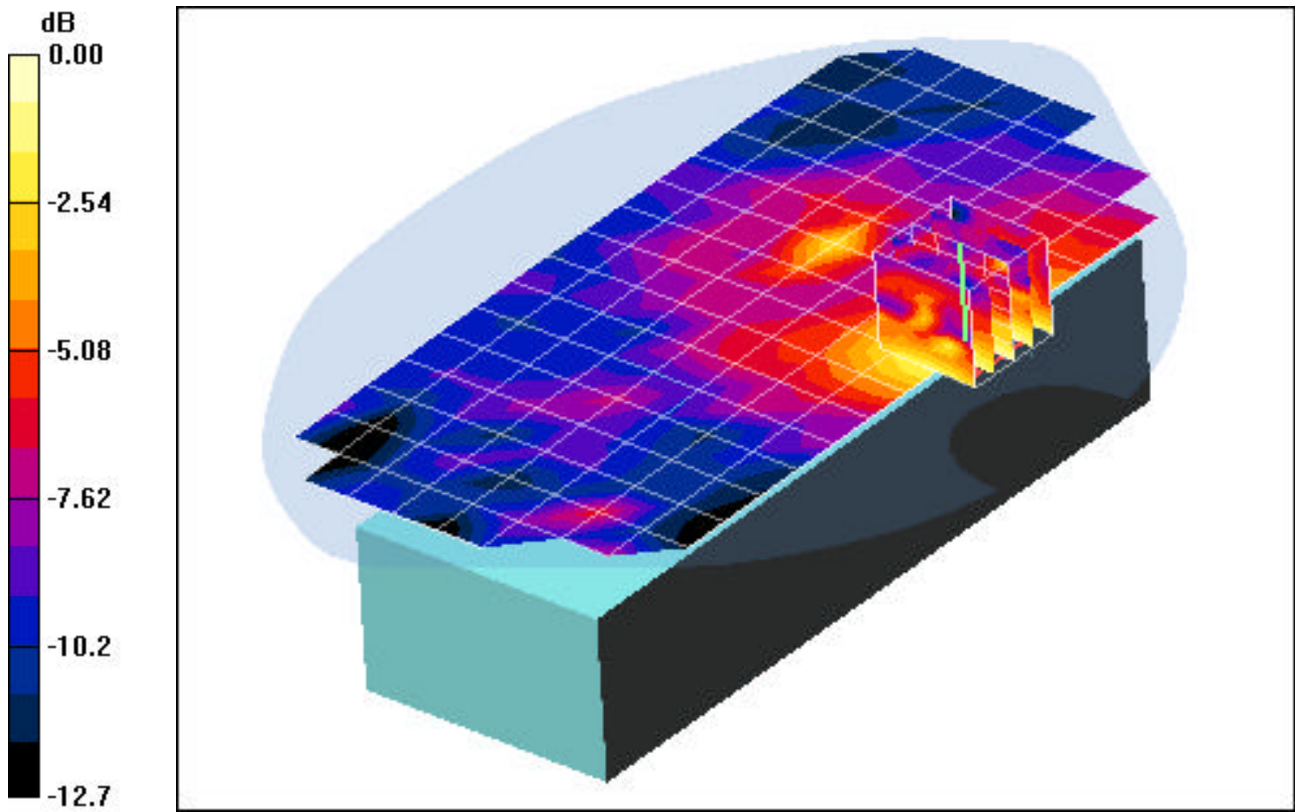
Area Scan (9x18x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 4.39 V/m

Peak SAR (extrapolated) = 0.061 W/kg

SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.037 mW/g



0 dB = 0.054mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Symbol MC9097-KKTH9EHA7WW; Type: Handheld Terminal; SN: ALP82022

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

Medium: 2450 Muscle ($\sigma = 1.95$ mho/m, $\epsilon_r = 53.64$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section: Distance: 2.5cm. from DUT to Flat Phantom

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

Probe: EX3DV4 - SN3550; ConvF(6.27, 6.27, 6.27); 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

Body, w/ Holster, Bluetooth, Ch.39, 2441MHz., Li-Ion Battery

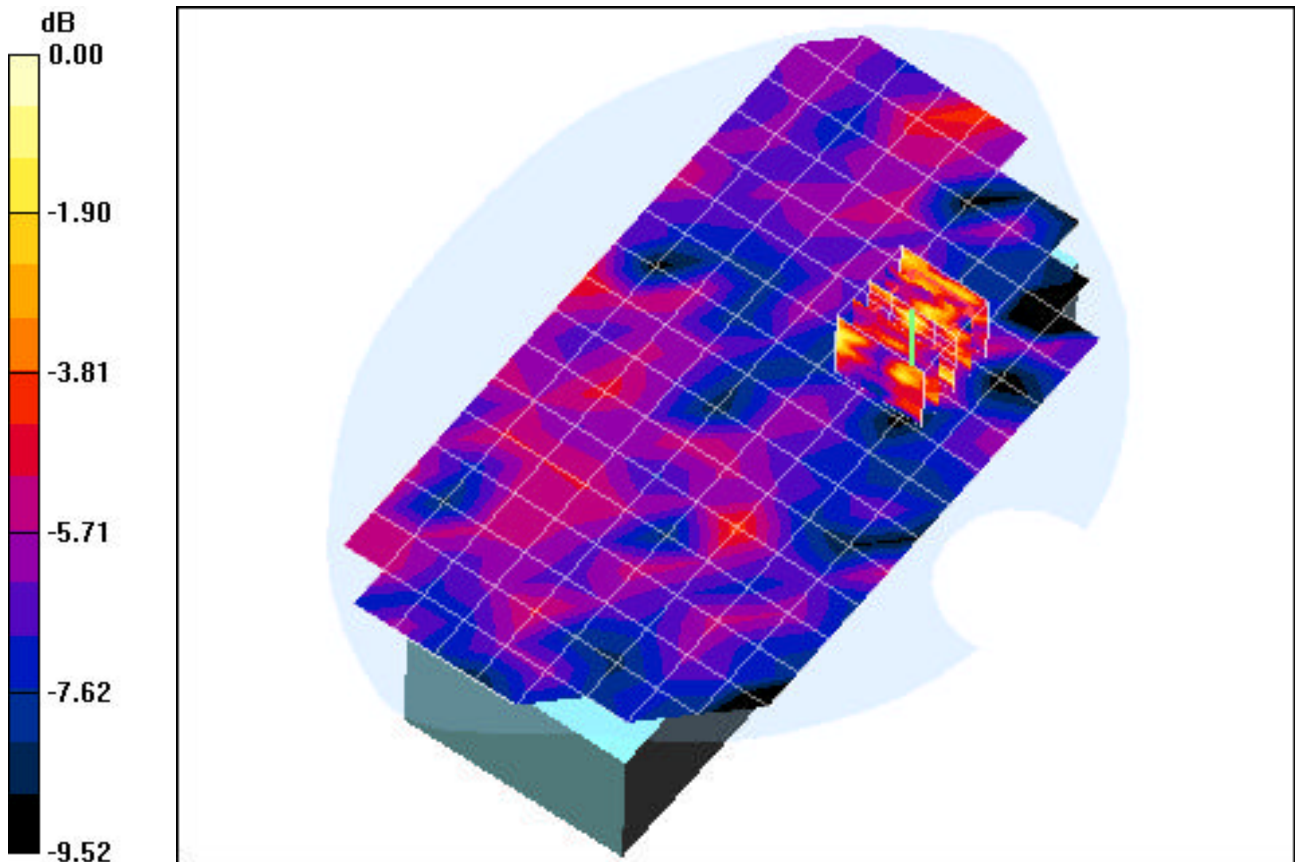
Area Scan (9x18x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 0.874 V/m

Peak SAR (extrapolated) = 0.016 W/kg

SAR(1 g) = 0.00531 mW/g; SAR(10 g) = 0.00149 mW/g



0 dB = 0.018mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SYMBOL MC9097-KKTH9EHA7WW; Type: Handheld Terminal; SN: ALP82022

Communication System: IEEE 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: 5300 Muscle ($\sigma = 5.49$ mho/m, $\epsilon_r = 47.65$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Distance: 2.5cm. from DUT to Flat Phantom

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

Probe: EX3DV4 - SN3550; ConvF(3.72, 3.72, 3.72); 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

Body, w/ Holster, Ch.52, 9Mbps, Li-Ion Battery, Aux Ant,+BT+ SD +Iden800

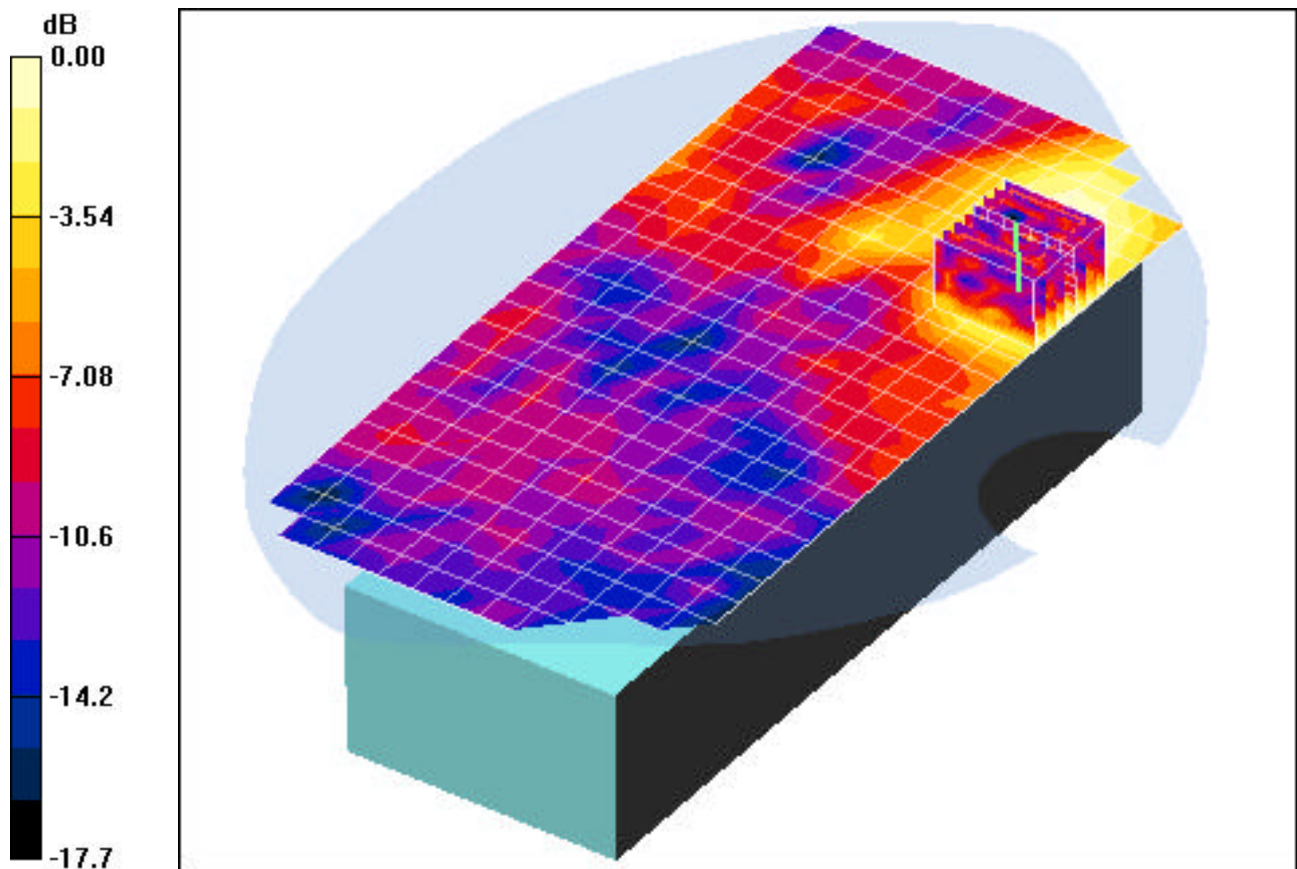
Area Scan (13x26x1): Measurement grid: dx=10mm, dy=10mm

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

Reference Value = 1.41 V/m

Peak SAR (extrapolated) = 0.599 W/kg

SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.072 mW/g



0 dB = 0.218mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Symbol MC9097-KKTH9EHA7WW; Type: Handheld Terminal; SN: ALP82022

Communication System: IEEE 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: 5800 Muscle ($\sigma = 5.98$ mho/m, $\epsilon_r = 46.74$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Distance: 2.5cm.from DUT to Flat Phantom

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

Probe: EX3DV4 - SN3550; ConvF(3.48, 3.48, 3.48); 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

Body, w/ Holster, Ch.157, 9Mbps, Li-Ion Battery, Aux Ant+BT+SD+Iden 800MHz.

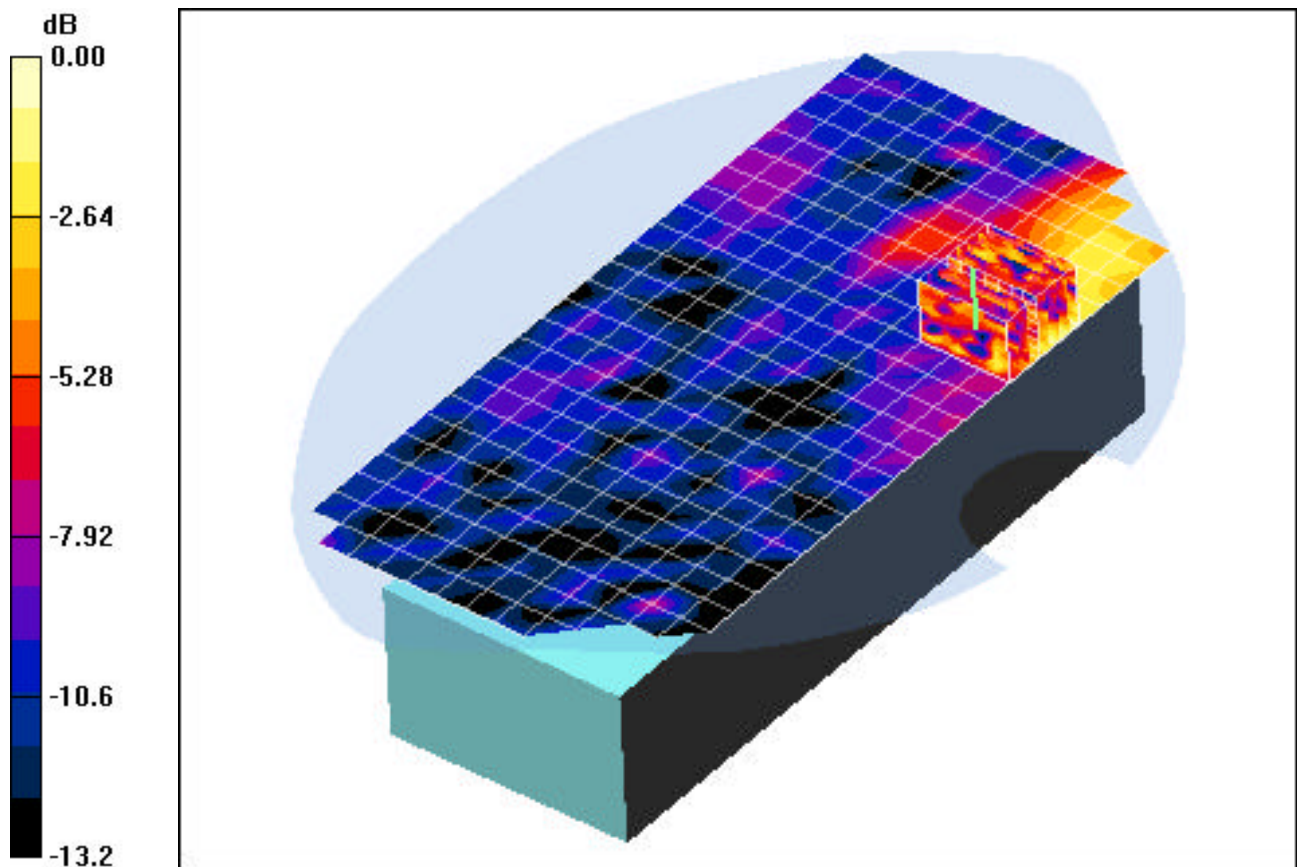
Area Scan (13x26x1): Measurement grid: dx=10mm, dy=10mm

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

Reference Value = 1.24 V/m

Peak SAR (extrapolated) = 0.475 W/kg

SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.042 mW/g



0 dB = 0.206mW/g