

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-A801; Type: Dual Band GSM/WCDMA Phone; Serial: SAR#1

Communication System: WCDMA850; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: 835 Brain ($\sigma = 0.91$ mho/m, $\epsilon_r = 41.56$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 3-12-2007; Ambient Temp: 23.3°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN3550; ConvF(7.98, 7.98, 7.98); Calibrated: 1/22/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

Phantom: SAM with CRP; Type: SAM; Serial: TP1375

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

Mode: WCDMA850, Right Head, Touch, Mid.ch, Slide In with Bluetooth

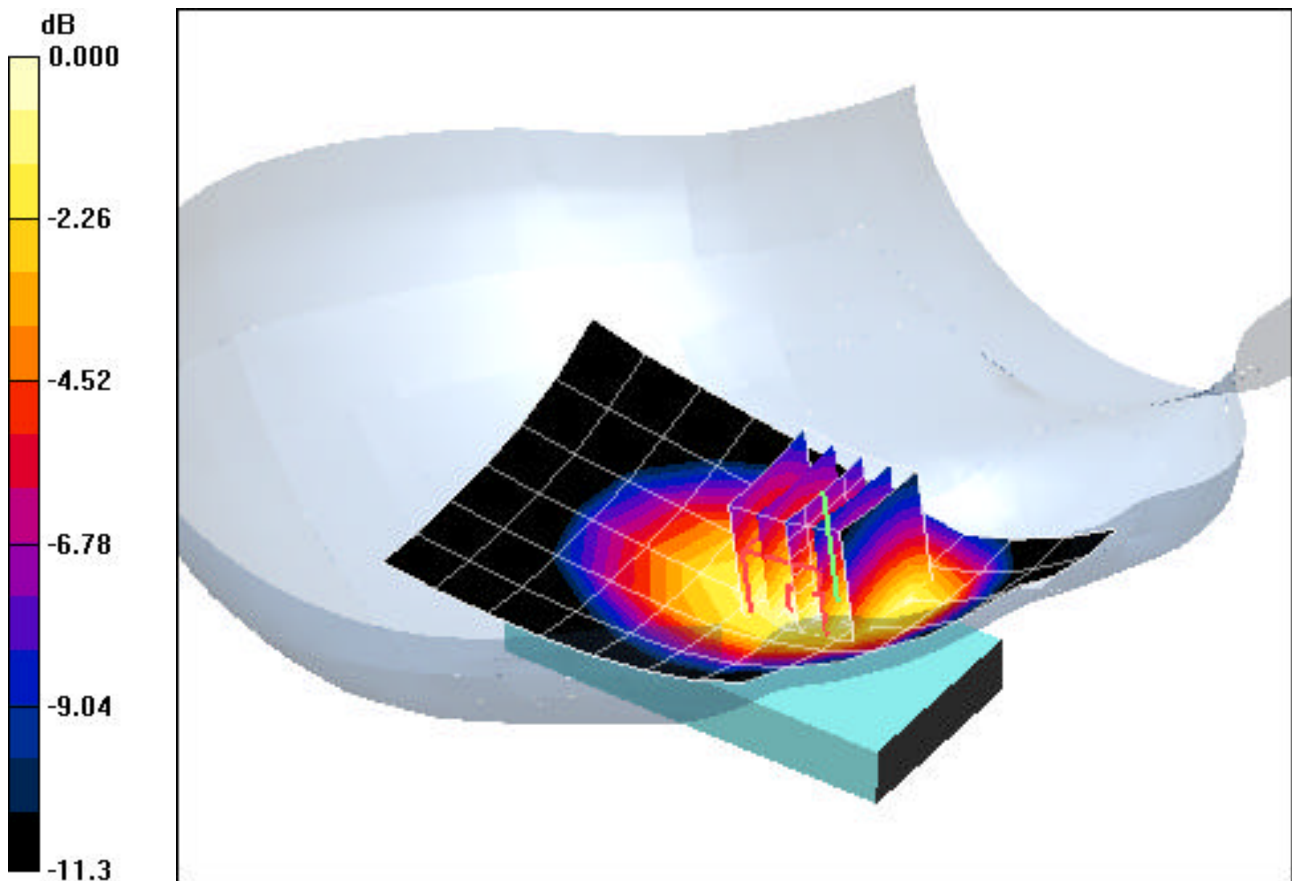
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 14.9 V/m

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.746 mW/g



0 dB = 1.17mW/g

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

Mode: WCDMA850, Right Head, Tilt, Mid.ch Slide In

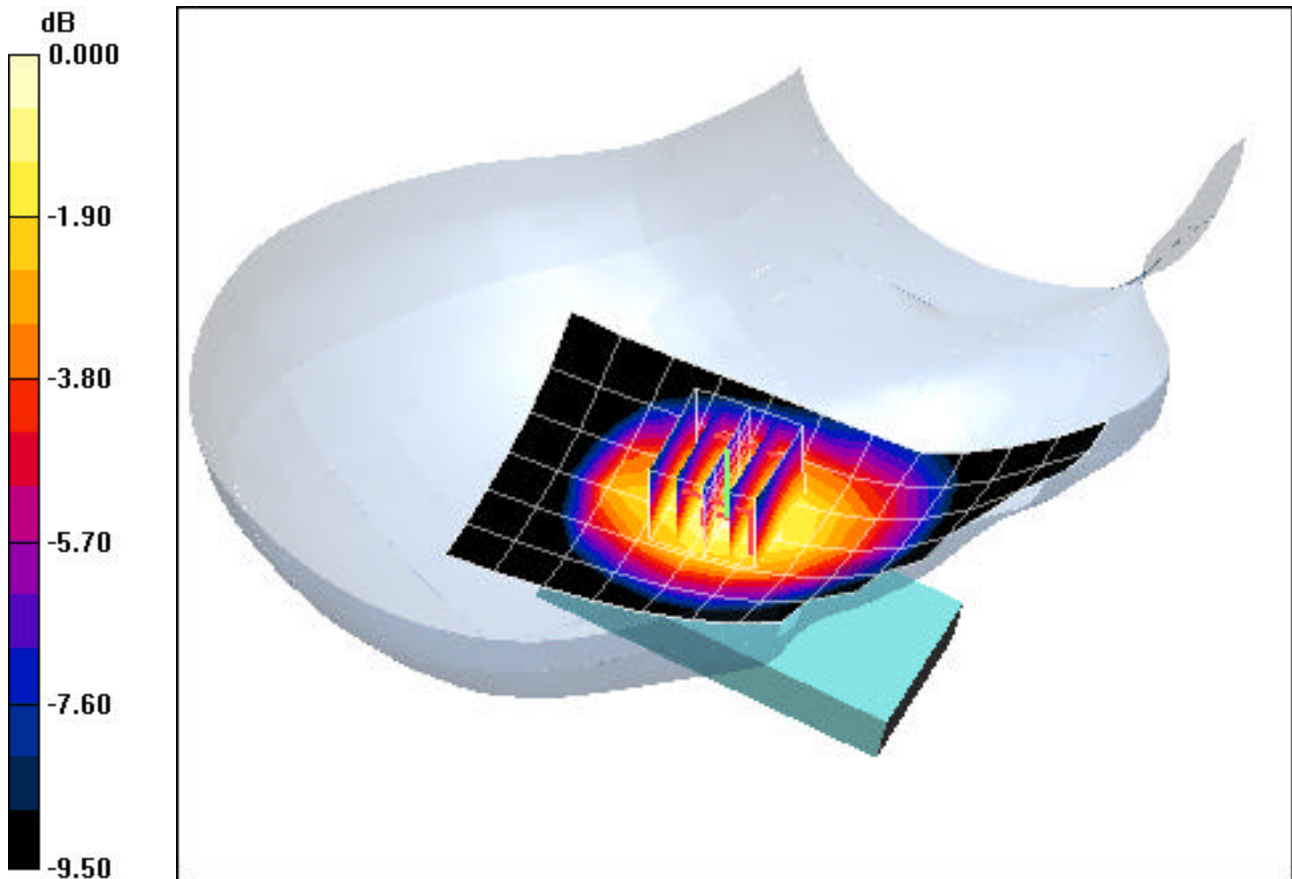
Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 19.1 V/m

Peak SAR (extrapolated) = 0.765 W/kg

SAR(1 g) = 0.575 mW/g; SAR(10 g) = 0.415 mW/g



0 dB = 0.652mW/g

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Medium: 835 Brain ($\sigma = 0.91$ mho/m, $\epsilon_r = 41.56$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 3-12-2007; Ambient Temp: 23.3°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN3550; ConvF(7.98, 7.98, 7.98); Calibrated: 1/22/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

Phantom: SAM with CRP; Type: SAM; Serial: TP1375

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

Mode: WCDMA850, Left Head, Touch, Mid.ch Slide In

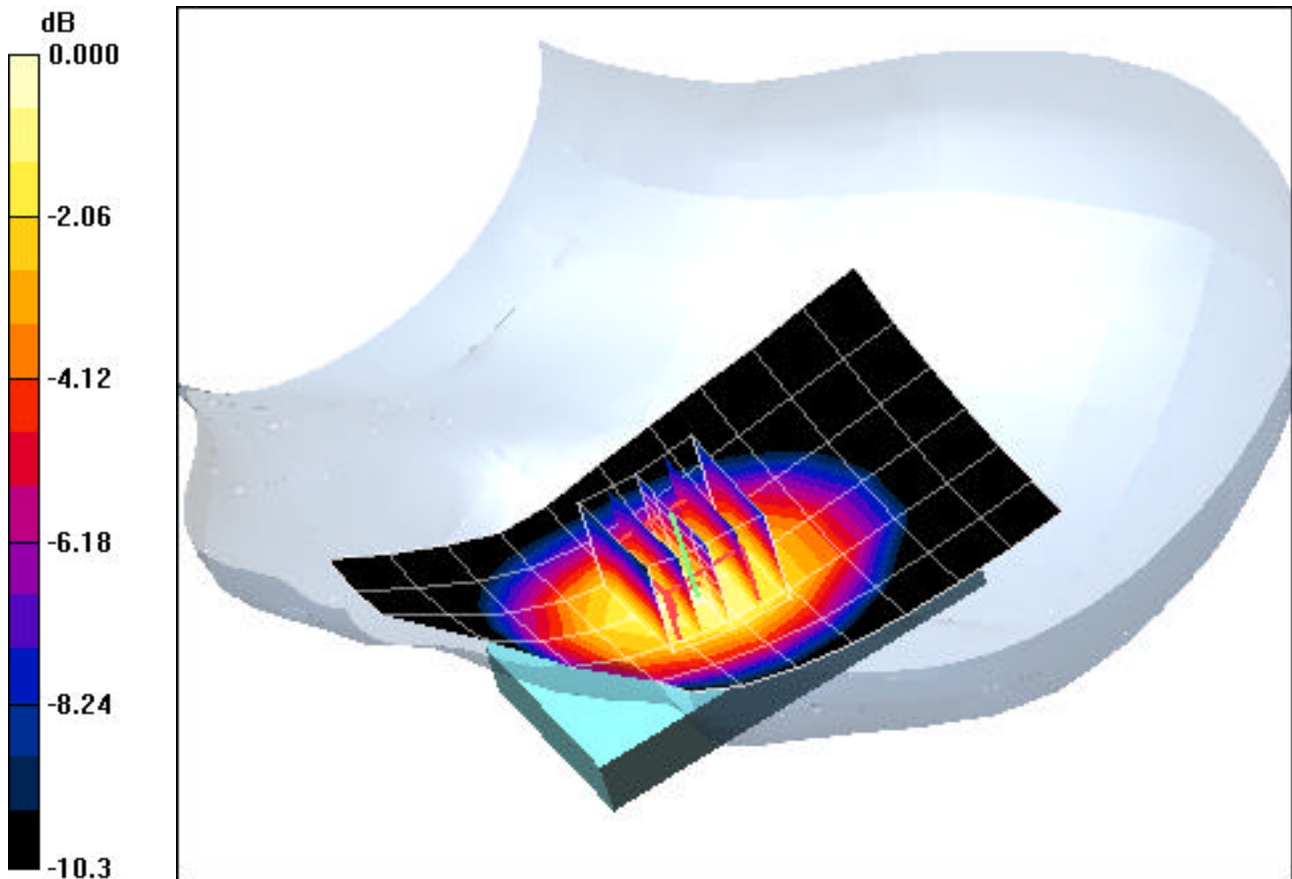
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 11.8 V/m

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.962 mW/g; SAR(10 g) = 0.680 mW/g



0 dB = 1.08mW/g

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DUT: SGH-A801; Type: Dual Band GSM/WCDMA Phone; Serial: SAR#1

Communication System: WCDMA850; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: 835 Brain ($\sigma = 0.91$ mho/m, $\epsilon_r = 41.56$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 3-12-2007; Ambient Temp: 23.3°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN3550; ConvF(7.98, 7.98, 7.98); Calibrated: 1/22/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

Phantom: SAM with CRP; Type: SAM; Serial: TP1375

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

Mode: WCDMA850, Left Head, Tilt, Mid.ch Slide In

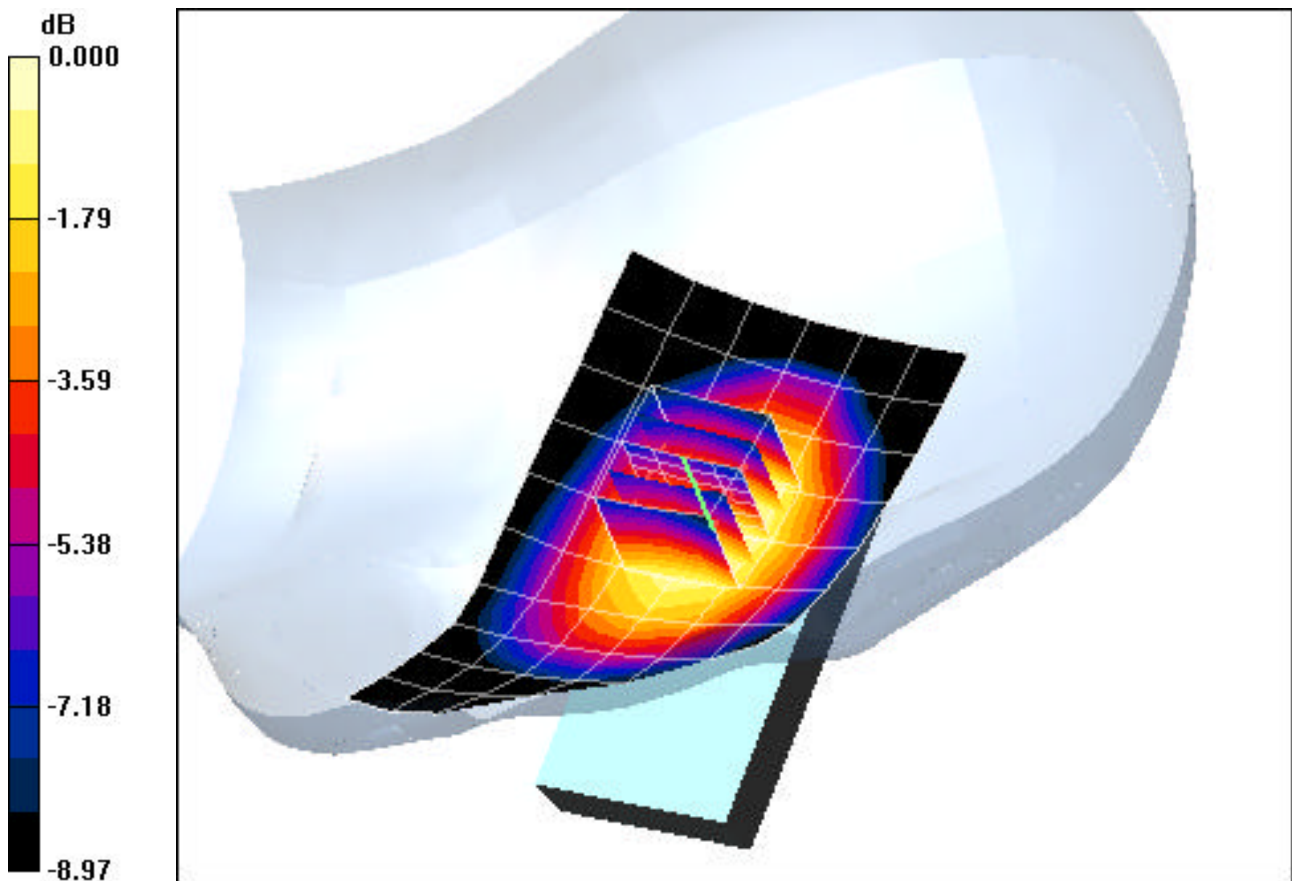
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 16.3 V/m

Peak SAR (extrapolated) = 0.563 W/kg

SAR(1 g) = 0.438 mW/g; SAR(10 g) = 0.324 mW/g



0 dB = 0.480mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-A801; Type: Dual Band GSM/WCDMA Phone; Serial: SAR#1

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: 1900 Brain ($\sigma = 1.45$ mho/m, $\epsilon_r = 38.60$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 3-13-2007; Ambient Temp: 22.7°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3550; ConvF(6.74, 6.74, 6.74); Calibrated: 1/22/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

Phantom: SAM with CRP; Type: SAM; Serial: TP1375

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

Mode: GSM1900, Right Head, Slide In, Touch, Mid.ch

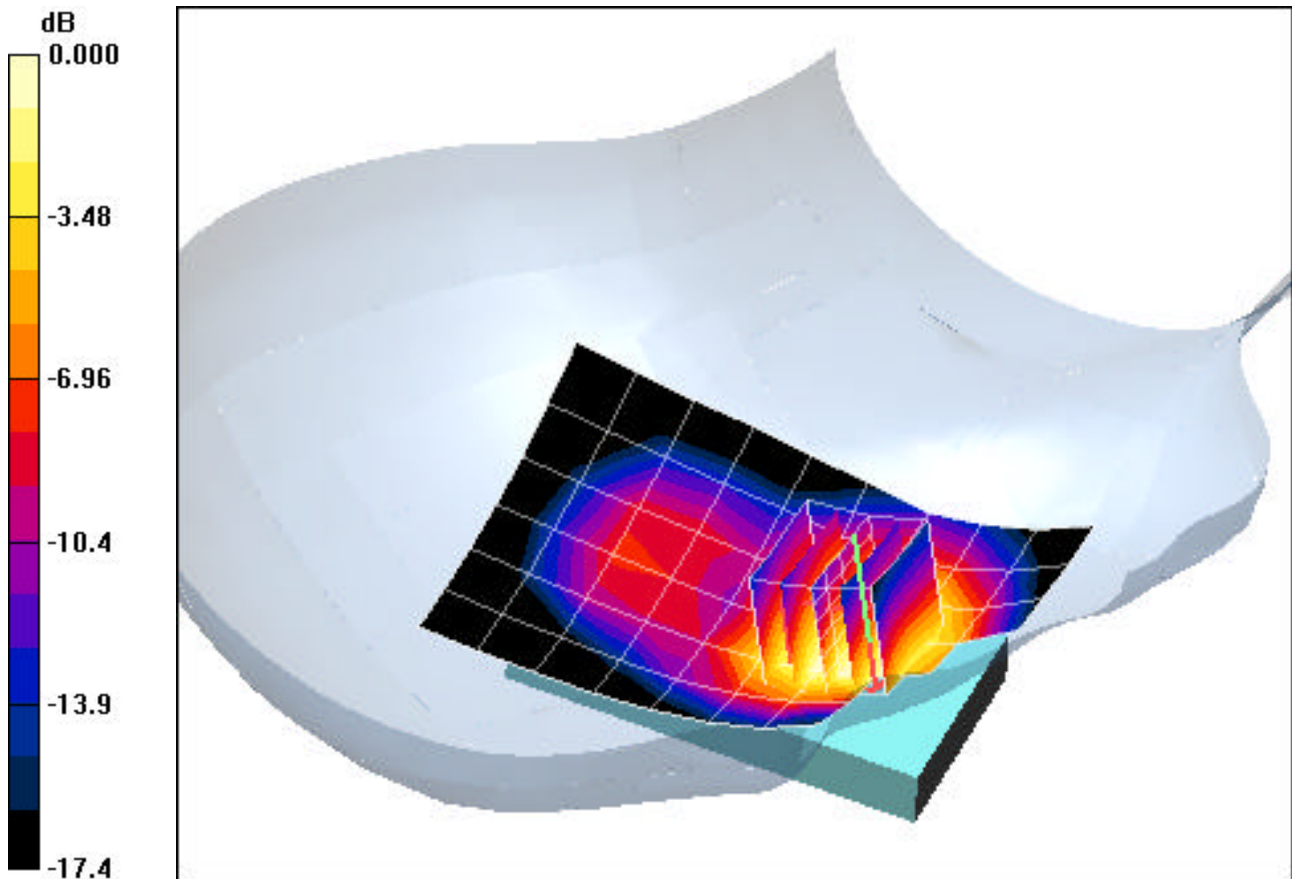
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 8.04 V/m

Peak SAR (extrapolated) = 0.977 W/kg

SAR(1 g) = 0.668 mW/g; SAR(10 g) = 0.425 mW/g



0 dB = 0.753mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-A801; Type: Dual Band GSM/WCDMA Phone; Serial: SAR#1

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: 1900 Brain ($\sigma = 1.45$ mho/m, $\epsilon_r = 38.60$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 3-13-2007; Ambient Temp: 22.7°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3550; ConvF(6.74, 6.74, 6.74); Calibrated: 1/22/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

Phantom: SAM with CRP; Type: SAM; Serial: TP1375

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

Mode: GSM1900, Right Head, Slide In, Tilt, Mid.ch

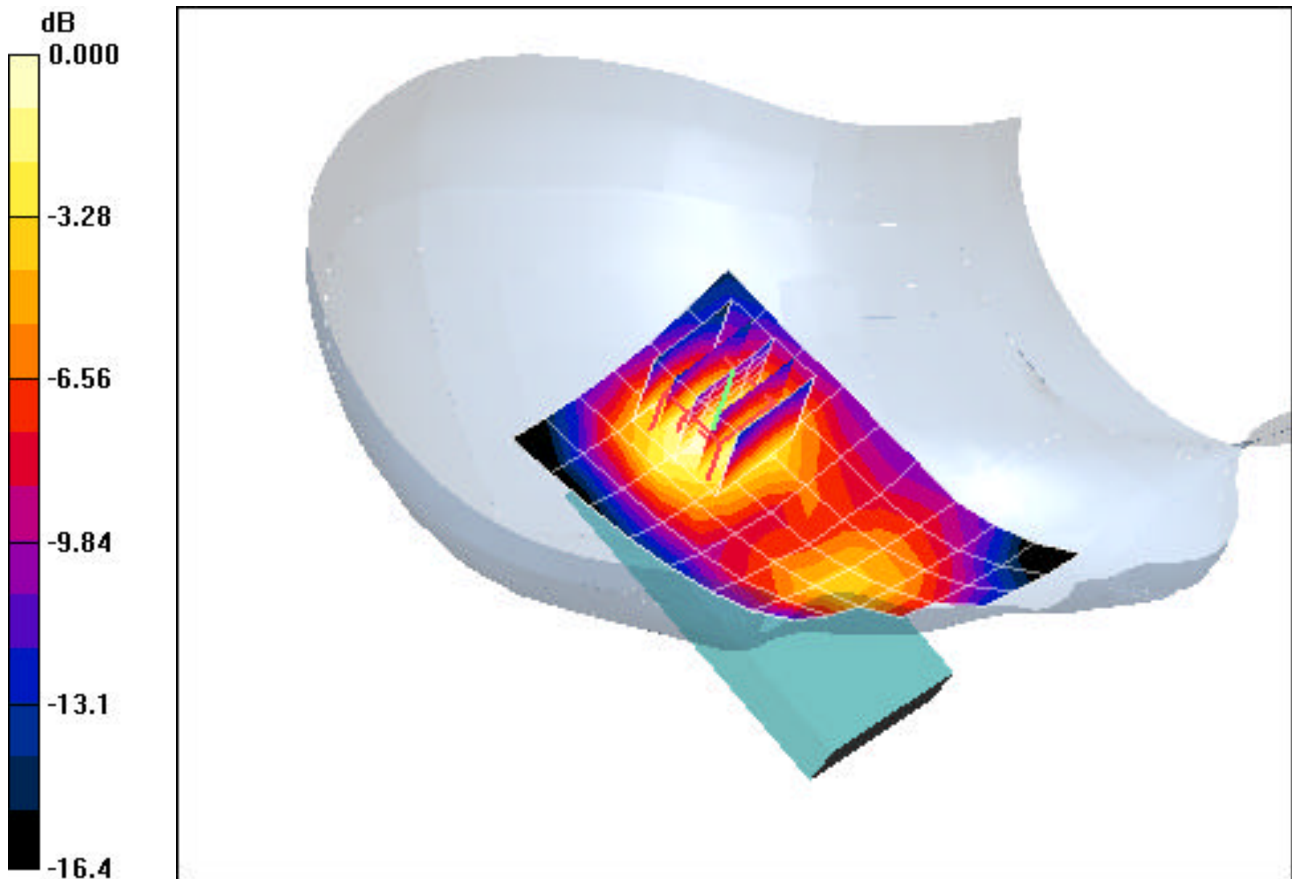
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 10.9 V/m

Peak SAR (extrapolated) = 0.251 W/kg

SAR(1 g) = 0.168 mW/g; SAR(10 g) = 0.102 mW/g



0 dB = 0.195mW/g

PCTEST ENGINEERING LABORATORY, INC.

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Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: 1900 Brain ($\sigma = 1.45$ mho/m, $\epsilon_r = 38.60$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 3-13-2007; Ambient Temp: 22.7°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3550; ConvF(6.74, 6.74, 6.74); Calibrated: 1/22/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

Phantom: SAM with CRP; Type: SAM; Serial: TP1375

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

Mode: GSM1900, Left Head, Slide In, Touch, Mid.ch

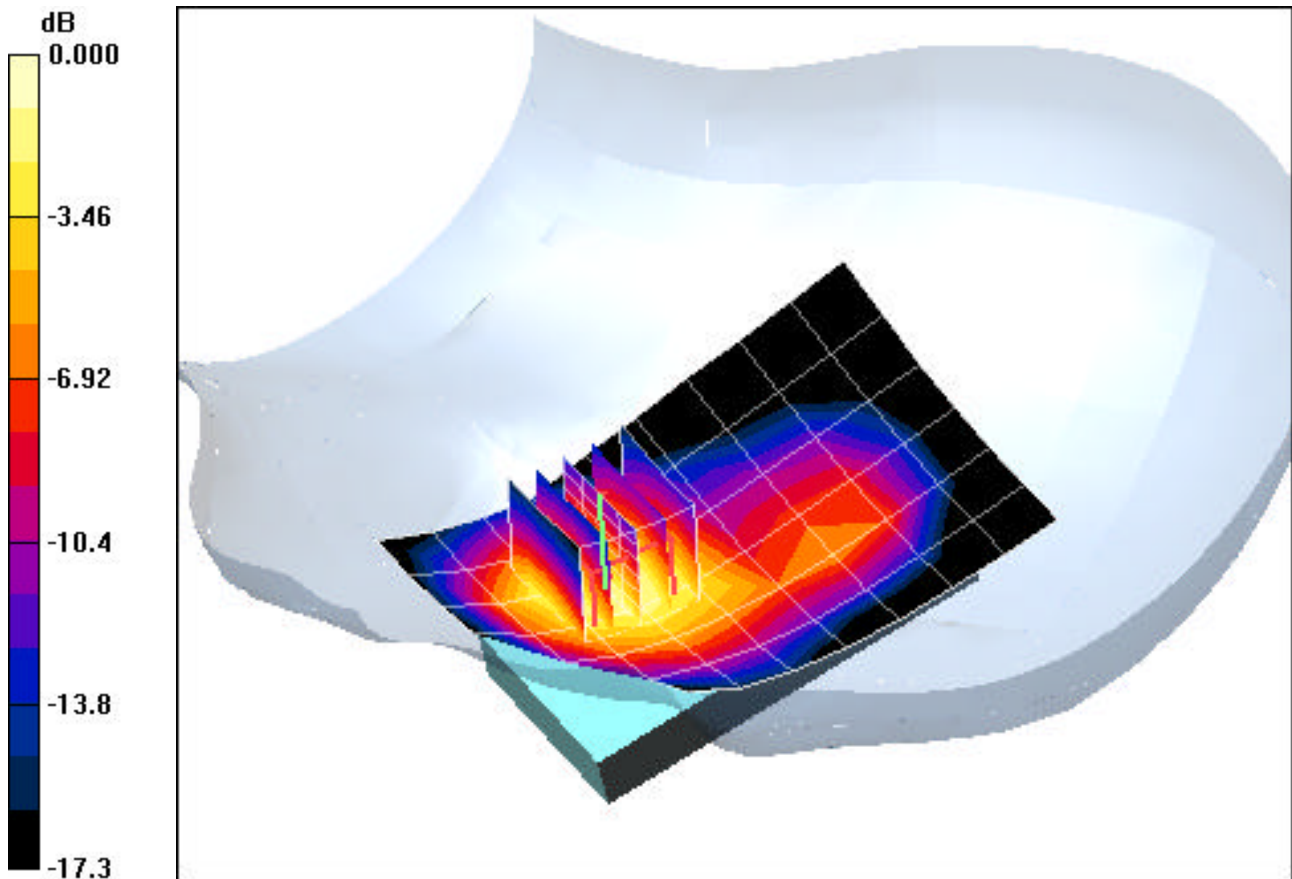
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 7.94 V/m

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.702 mW/g; SAR(10 g) = 0.406 mW/g



0 dB = 0.812mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-A801; Type: Dual Band GSM/WCDMA Phone; Serial: SAR#1

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: 1900 Brain ($\sigma = 1.45$ mho/m, $\epsilon_r = 38.60$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 3-13-2007; Ambient Temp: 22.7°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3550; ConvF(6.74, 6.74, 6.74); Calibrated: 1/22/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

Phantom: SAM with CRP; Type: SAM; Serial: TP1375

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

Mode: GSM1900, Left Head, Slide In, Tilt, Mid.ch

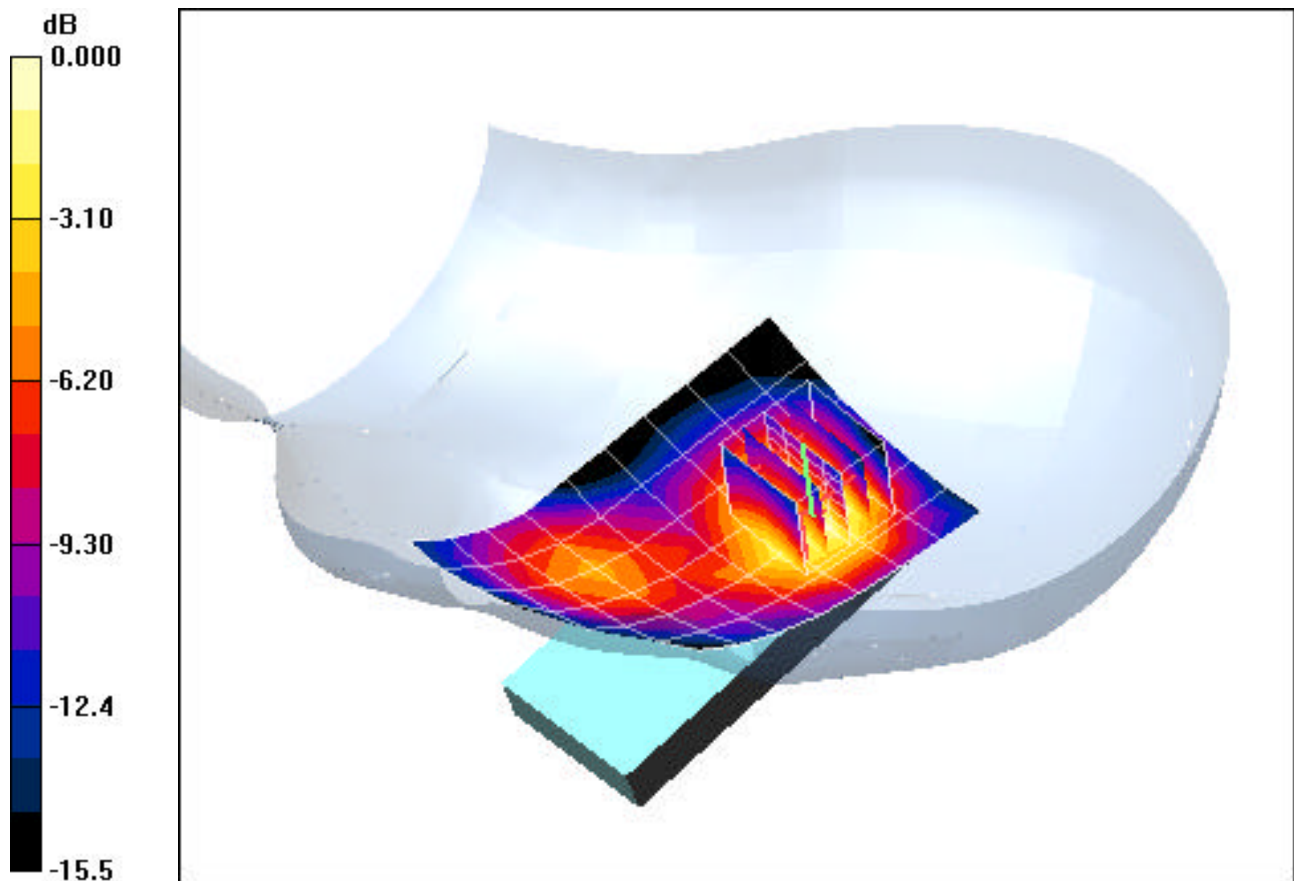
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 10.2 V/m

Peak SAR (extrapolated) = 0.280 W/kg

SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.112 mW/g



0 dB = 0.218mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-A801; Type: Dual Band GSM/WCDMA Phone; Serial: SAR#1

Communication System: WCDMA850; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: 835 Muscle ($\sigma = 0.98$ mho/m, $\epsilon_r = 52.59$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 3-12-2007; Ambient Temp: 23.2°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3550; ConvF(7.87, 7.87, 7.87); Calibrated: 1/22/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

Phantom: SAM with CRP; Type: SAM; Serial: TP1375

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

Mode: WCDMA850, Body SAR, Mid.ch

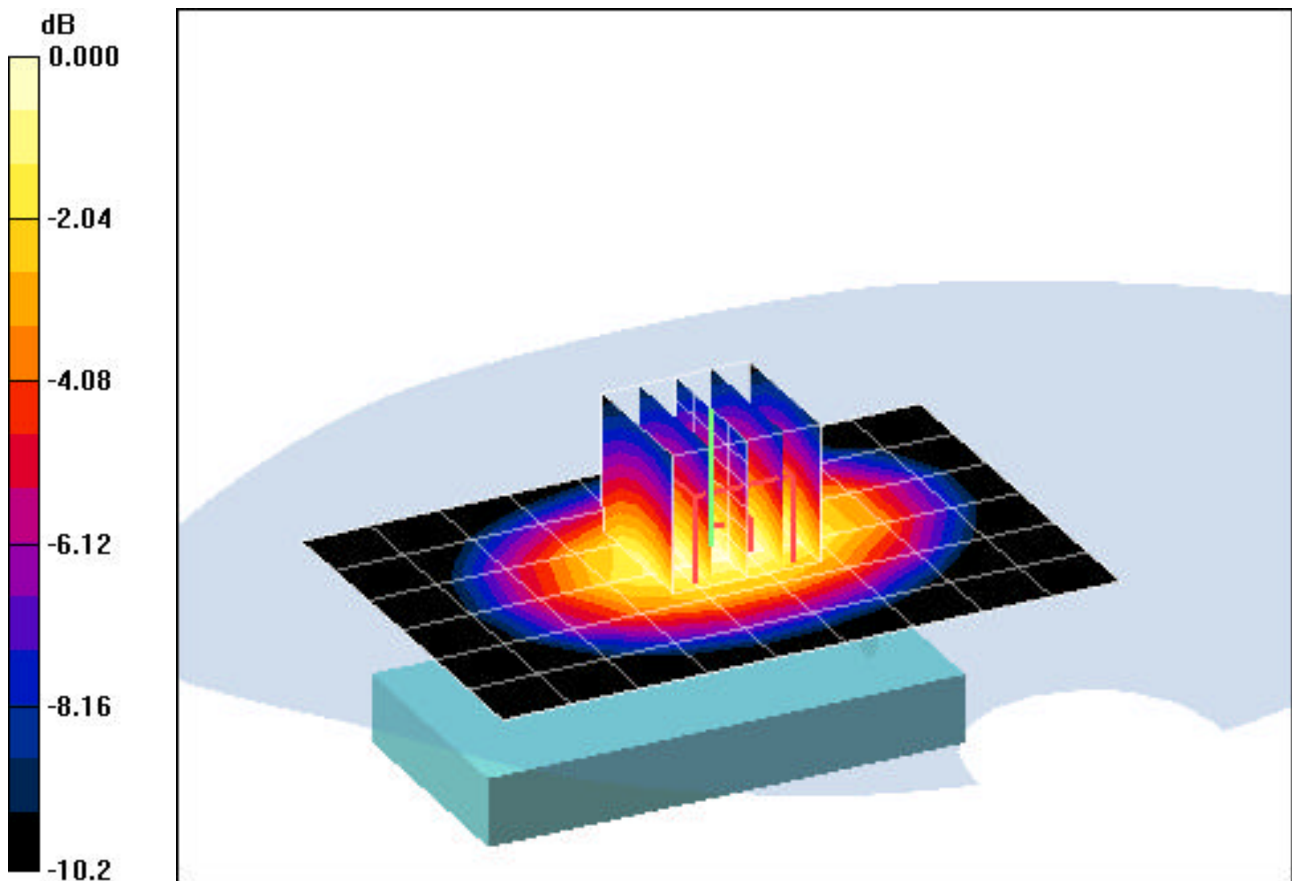
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 19.8 V/m

Peak SAR (extrapolated) = 0.906 W/kg

SAR(1 g) = 0.662 mW/g; SAR(10 g) = 0.462 mW/g



0 dB = 0.751mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-A801; Type: Dual Band GSM/WCDMA Phone; Serial: SAR#1

Communication System: GSM1900 GPRS; 4 Tx slots; Frequency: 1909.8 MHz; Duty Cycle: 1:2

Medium: 1900 Muscle ($\sigma = 1.58$ mho/m, $\epsilon_r = 54.34$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 3-13-2007; Ambient Temp: 22.6°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3550; ConvF(6.61, 6.61, 6.61); Calibrated: 1/22/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

Phantom: SAM with CRP; Type: SAM; Serial: TP1375

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

Mode: GSM1900, GPRS 1down/4up, Body SAR, Slide In, High .ch

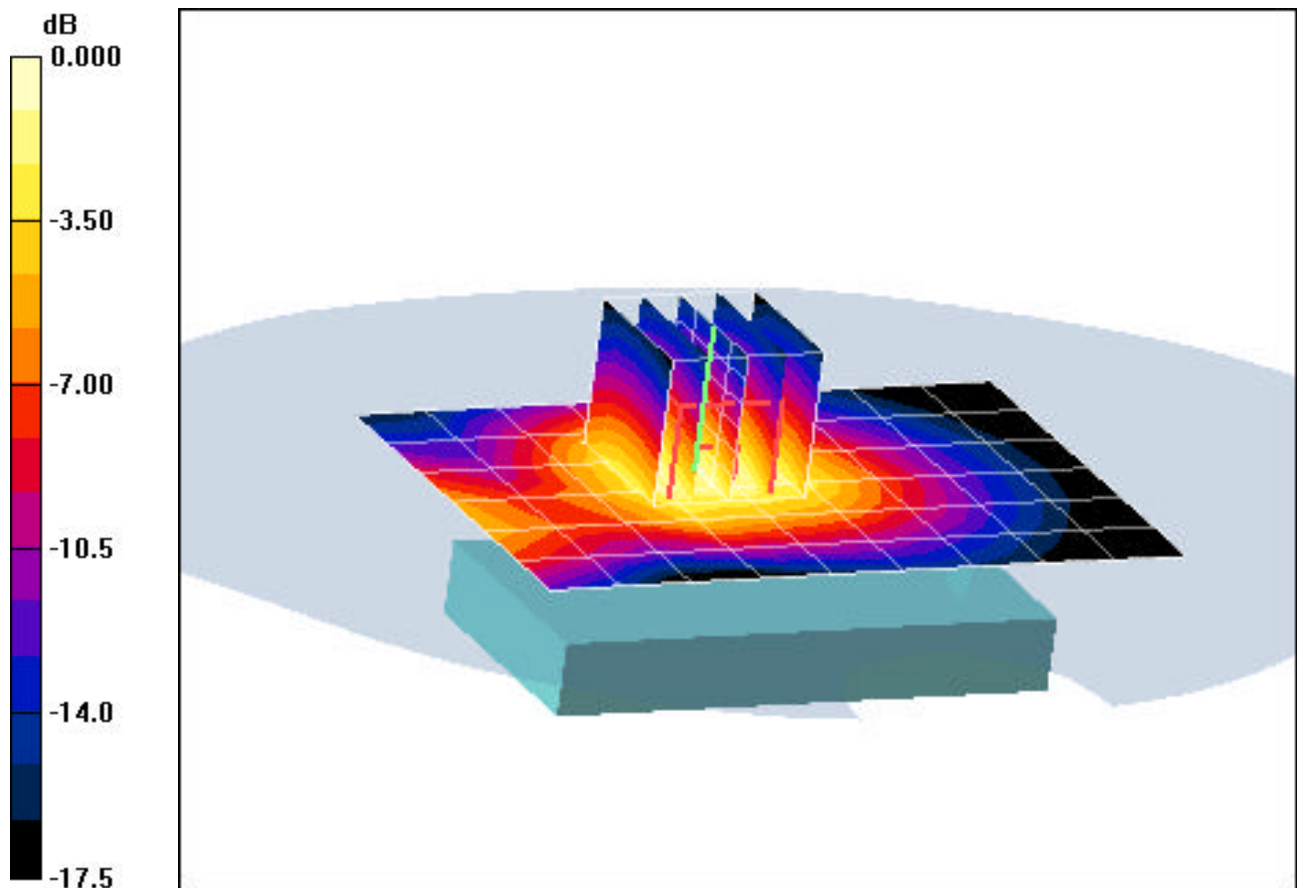
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 22.7 V/m

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.574 mW/g



0 dB = 1.28mW/g

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Phantom section: Right Section

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Probe: EX3DV4 - SN3550; ConvF(7.98, 7.98, 7.98); Calibrated: 1/22/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

Phantom: SAM with CRP; Type: SAM; Serial: TP1375

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Mode: WCDMA850, Right Head, Touch, Mid.ch, Slide In with Bluetooth

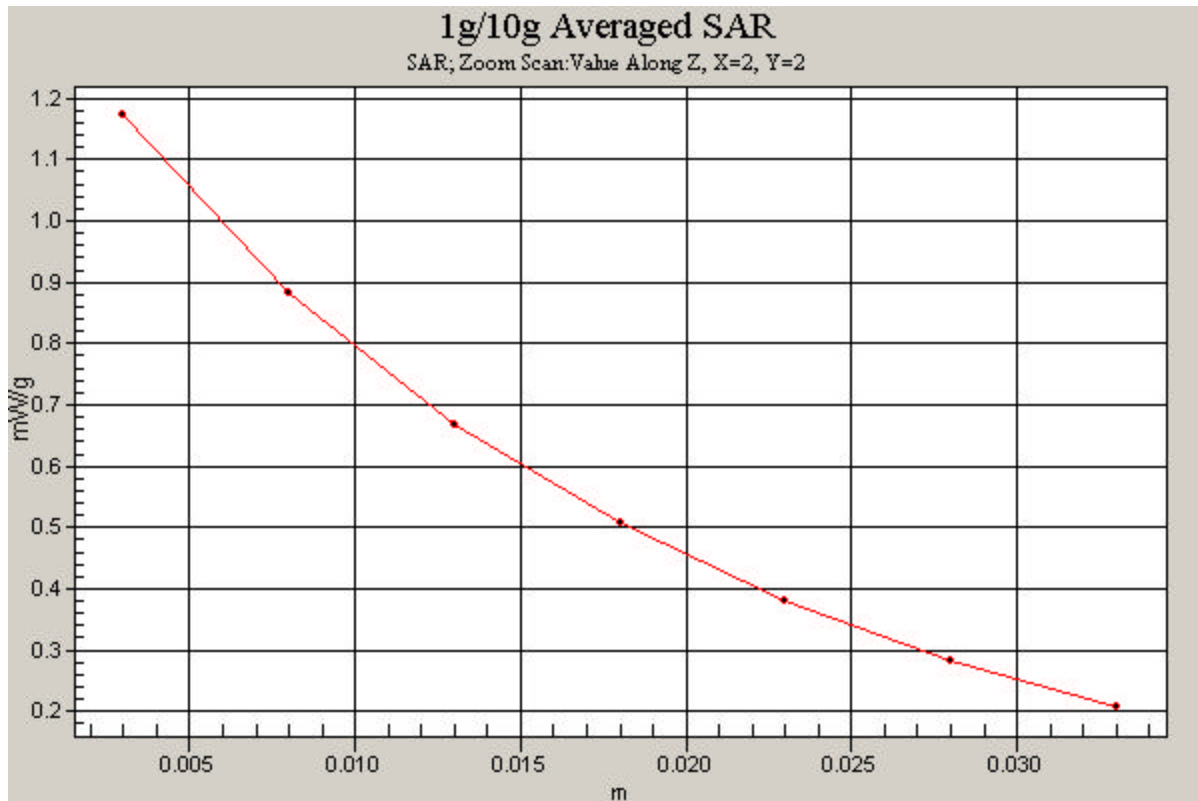
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 14.9 V/m

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.746 mW/g



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Communication System: GSM1900 GPRS; 4 Tx slots; Frequency: 1909.8 MHz; Duty Cycle: 1:2

Medium: 1900 Muscle ($\sigma = 1.58$ mho/m, $\epsilon_r = 54.34$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 3-13-2007; Ambient Temp: 22.6°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3550; ConvF(6.61, 6.61, 6.61); Calibrated: 1/22/2007

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