

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: 835 Brain ($\sigma = 0.93$ mho/m, $\epsilon_r = 43.45$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 09-25-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3589; ConvF(8.28, 8.28, 8.28); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: GSM850, Touch, Mid ch, Antenna Internal, Standard Battery

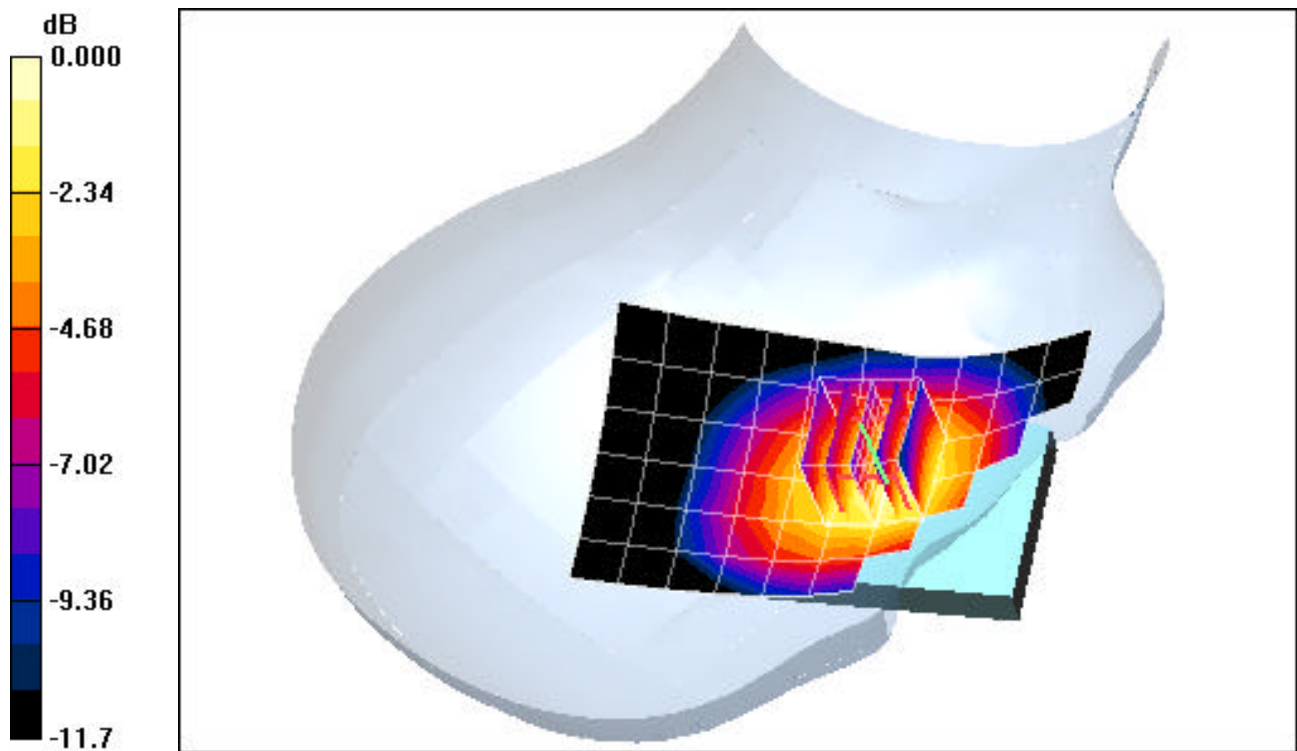
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 6.75 V/m

Peak SAR (extrapolated) = 0.744 W/kg

SAR(1 g) = 0.549 mW/g; SAR(10 g) = 0.382 mW/g



0 dB = 0.620mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: 835 Brain ($\sigma = 0.93$ mho/m, $\epsilon_r = 43.45$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 09-25-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3589; ConvF(8.28, 8.28, 8.28); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: GSM850, Tilt, Mid ch, Antenna Internal, Standard Battery

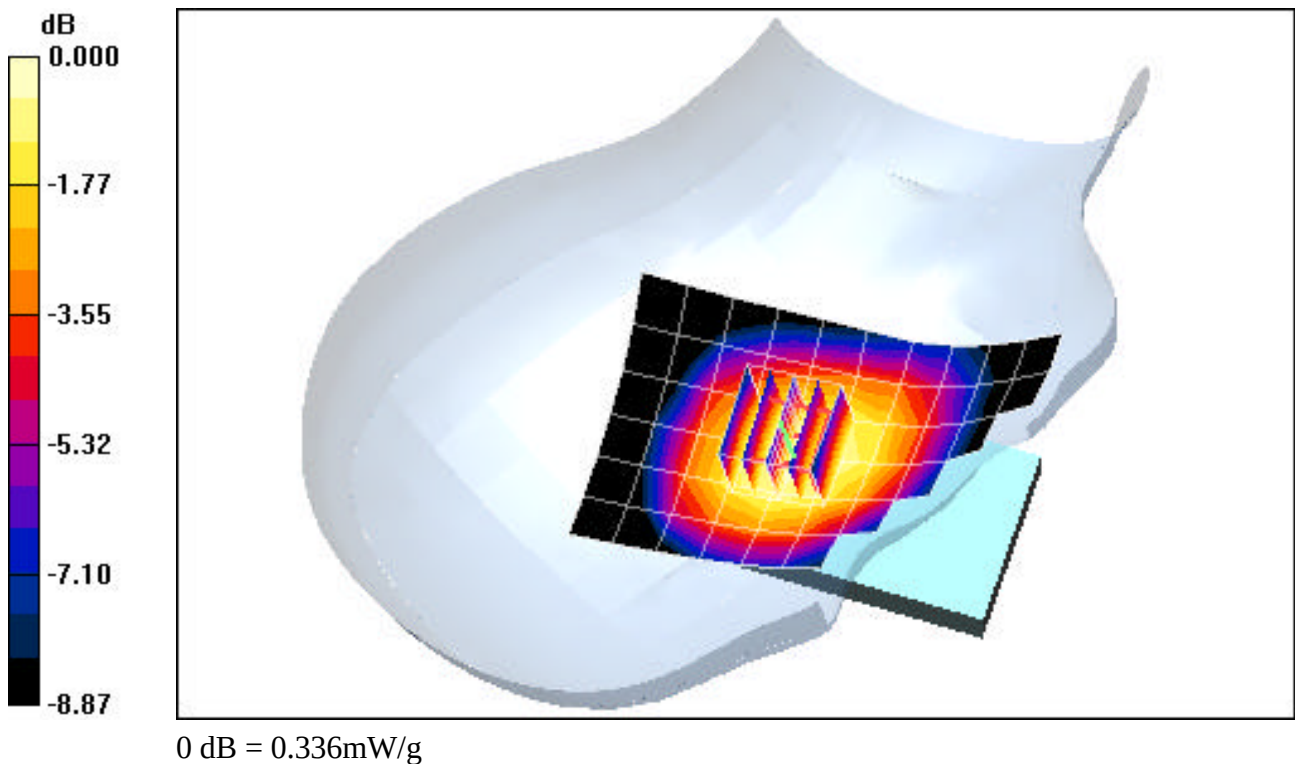
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 11.7 V/m

Peak SAR (extrapolated) = 0.386 W/kg

SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.231 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: 835 Brain ($\sigma = 0.93$ mho/m, $\epsilon_r = 43.45$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 09-25-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.8° C

Probe: EX3DV4 - SN3589; ConvF(8.28, 8.28, 8.28); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: GSM850, Touch, Mid ch, Antenna Internal, Standard Battery

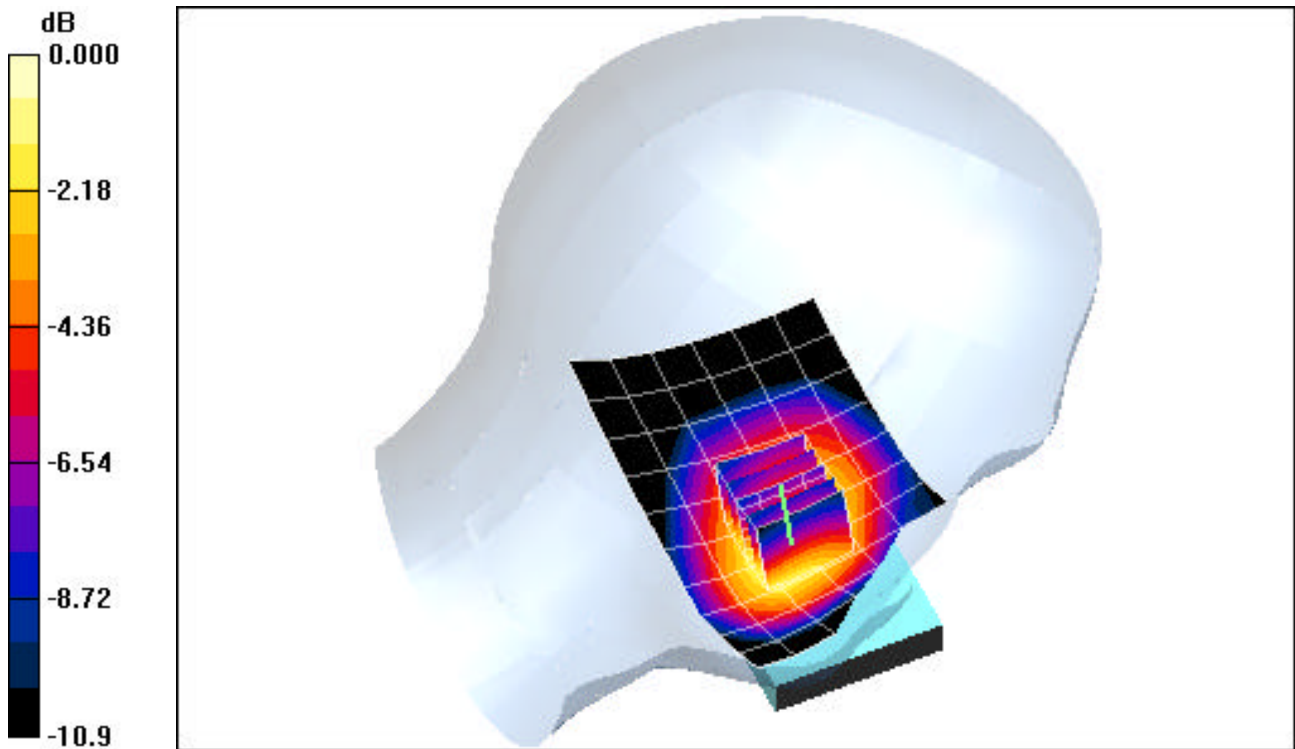
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 8.76 V/m

Peak SAR (extrapolated) = 0.831 W/kg

SAR(1 g) = 0.614 mW/g; SAR(10 g) = 0.427 mW/g



0 dB = 0.701mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: 835 Brain ($\sigma = 0.93$ mho/m, $\epsilon_r = 43.45$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 09-25-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3589; ConvF(8.28, 8.28, 8.28); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: GSM850, Tilt, Mid ch, Antenna Internal, Standard Battery

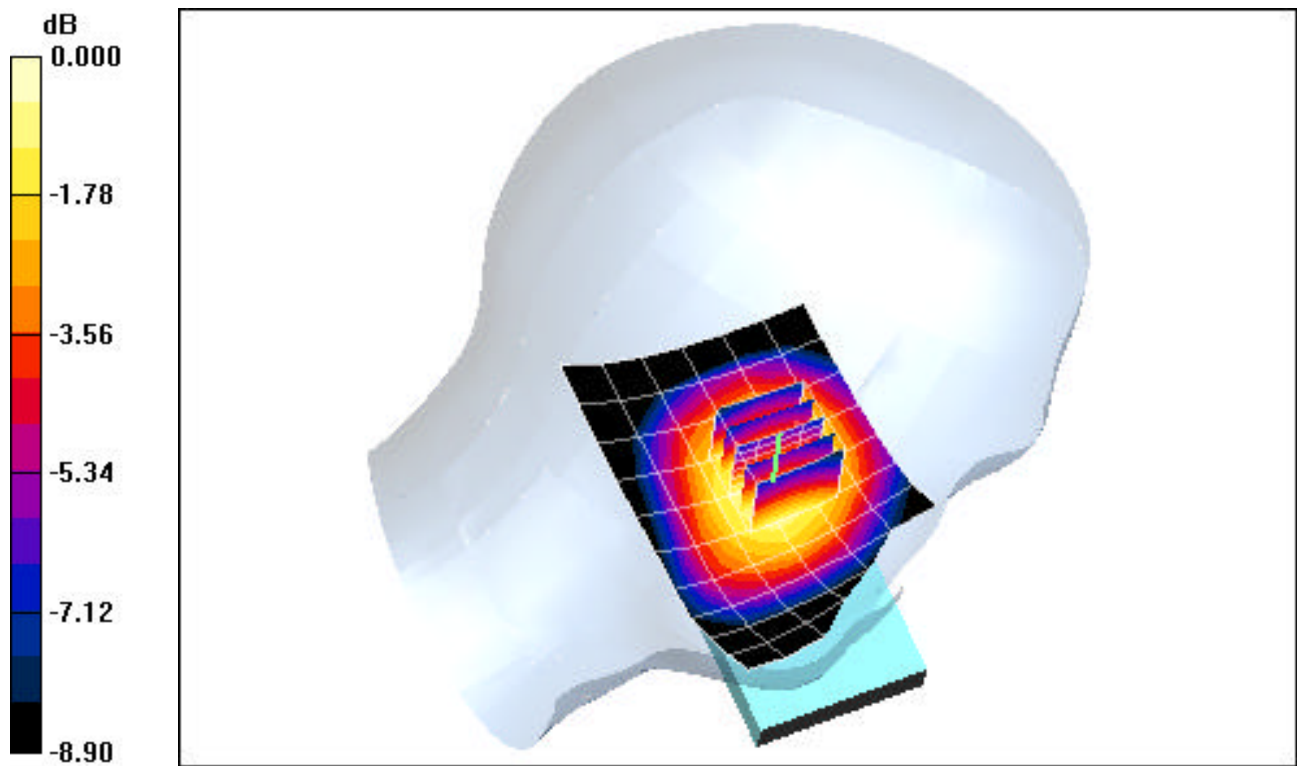
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 12.8 V/m

Peak SAR (extrapolated) = 0.410 W/kg

SAR(1 g) = 0.322 mW/g; SAR(10 g) = 0.241 mW/g



0 dB = 0.355mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

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

Medium: 1900 Brain ($\sigma = 1.43$ mho/m, $\epsilon_r = 39.22$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 09-26-2007; Ambient Temp: 23.5°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3589; ConvF(6.71, 6.71, 6.71); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: GSM1900, Touch, Mid ch, Antenna Internal, Standard Battery

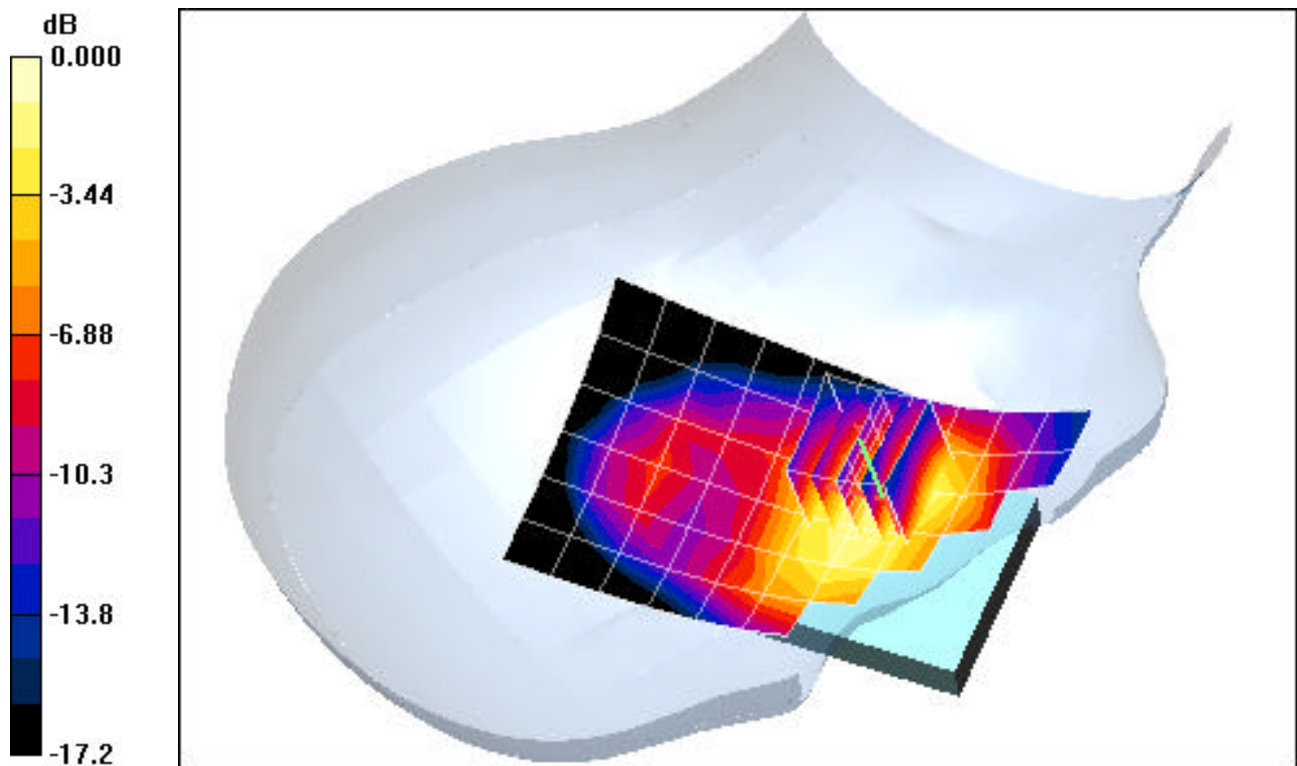
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 9.77 V/m

Peak SAR (extrapolated) = 0.987 W/kg

SAR(1 g) = 0.658 mW/g; SAR(10 g) = 0.395 mW/g



0 dB = 0.770mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

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

Medium: 1900 Brain ($\sigma = 1.43$ mho/m, $\epsilon_r = 39.22$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 09-26-2007; Ambient Temp: 23.5°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3589; ConvF(6.71, 6.71, 6.71); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: GSM1900, Tilt, Mid ch, Antenna Internal, Standard Battery

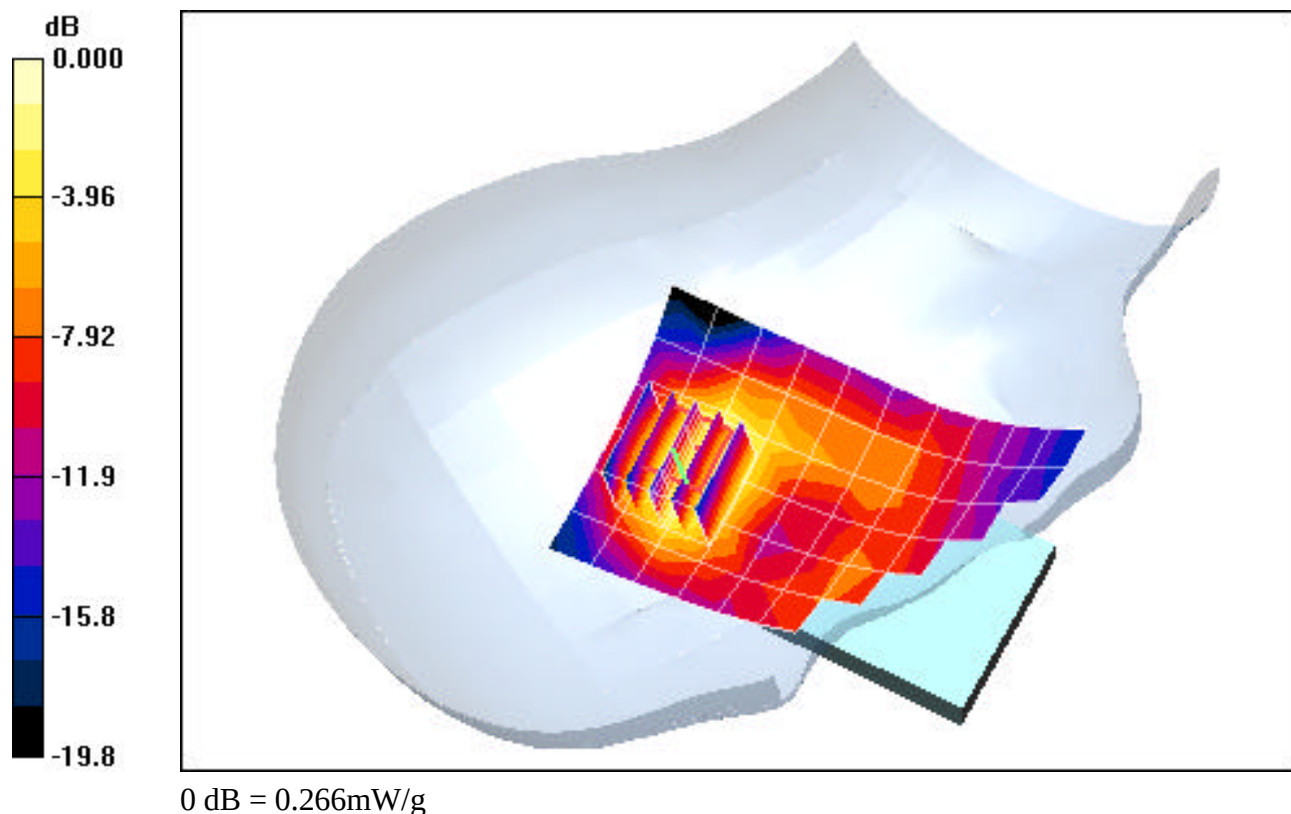
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 12.8 V/m

Peak SAR (extrapolated) = 0.369 W/kg

SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.127 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

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

Medium: 1900 Brain ($\sigma = 1.43$ mho/m, $\epsilon_r = 39.22$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 09-26-2007; Ambient Temp: 23.5°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3589; ConvF(6.71, 6.71, 6.71); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: GSM1900, Touch, Mid ch, Antenna Internal, Standard Battery

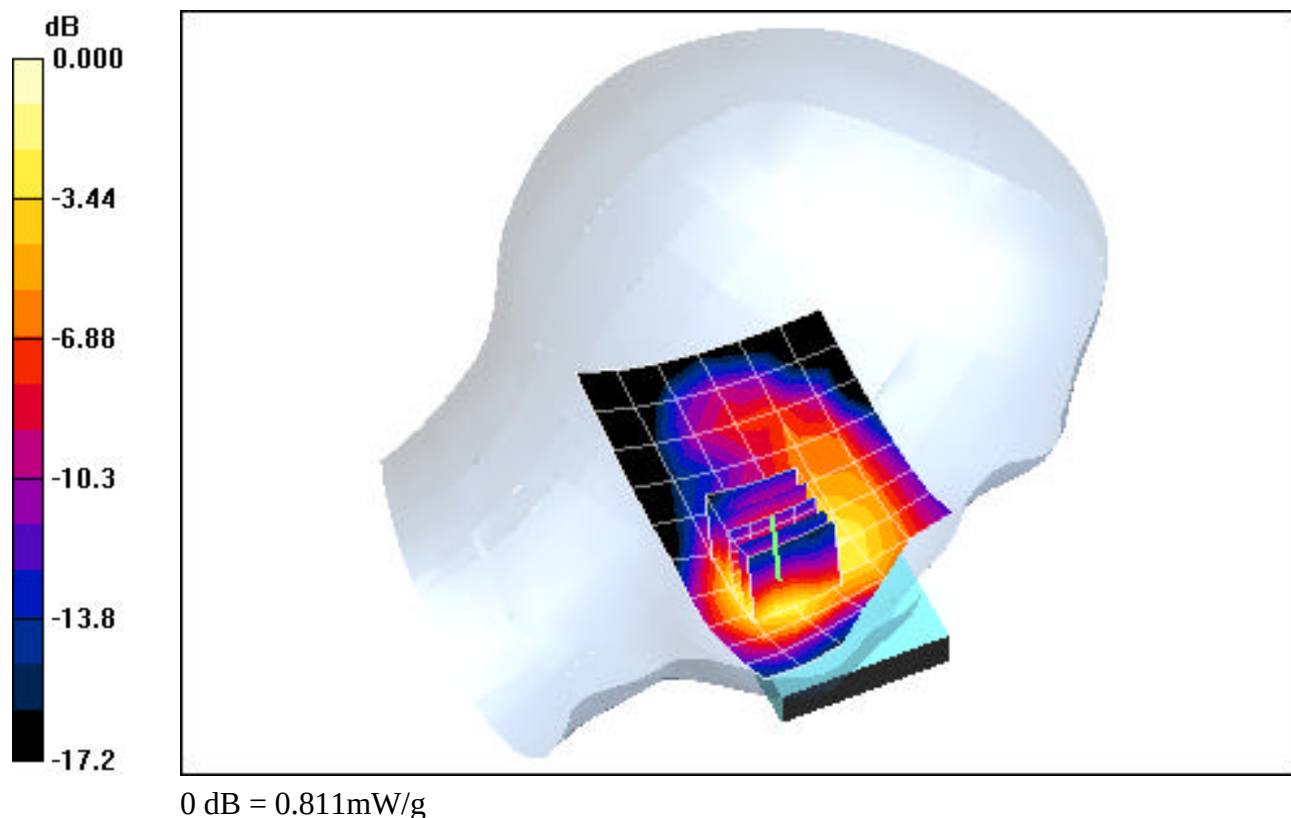
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 9.63 V/m

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.697 mW/g; SAR(10 g) = 0.410 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

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

Medium: 1900 Brain ($\sigma = 1.43$ mho/m, $\epsilon_r = 39.22$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 09-26-2007; Ambient Temp: 23.5°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3589; ConvF(6.71, 6.71, 6.71); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: GSM1900, Tilt, Mid ch, Antenna Internal, Standard Battery

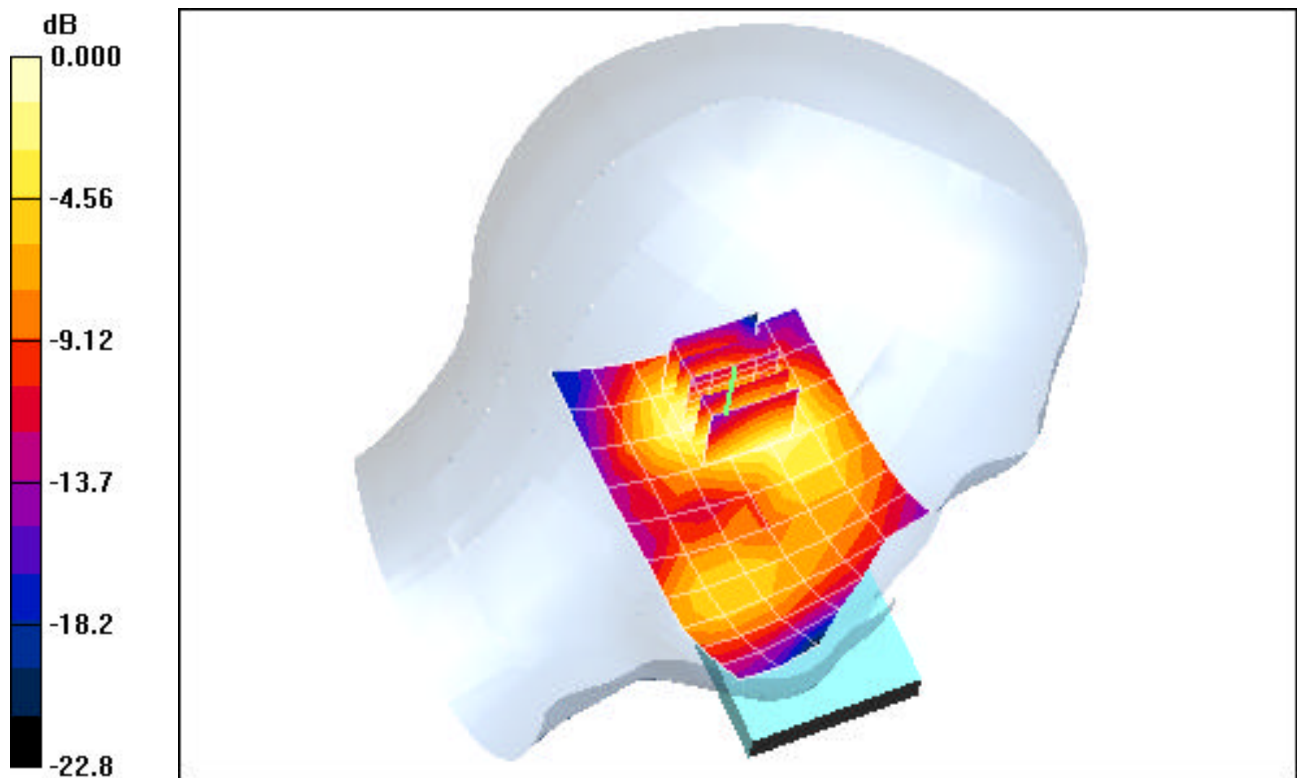
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 12.3 V/m

Peak SAR (extrapolated) = 0.325 W/kg

SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.118 mW/g



0 dB = 0.240mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

Communication System: GSM850 GPRS; 2 Tx slots; Frequency: 824.2 MHz; Duty Cycle: 1:4.15

Medium: 835 Muscle ($\sigma = 0.93$ mho/m, $\epsilon_r = 55.26$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 09-27-2007; Ambient Temp: 23.6°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN3589; ConvF(8.3, 8.3, 8.3); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: GSM850, Body SAR, Back side, Low ch, Ant. Internal, Standard Battery

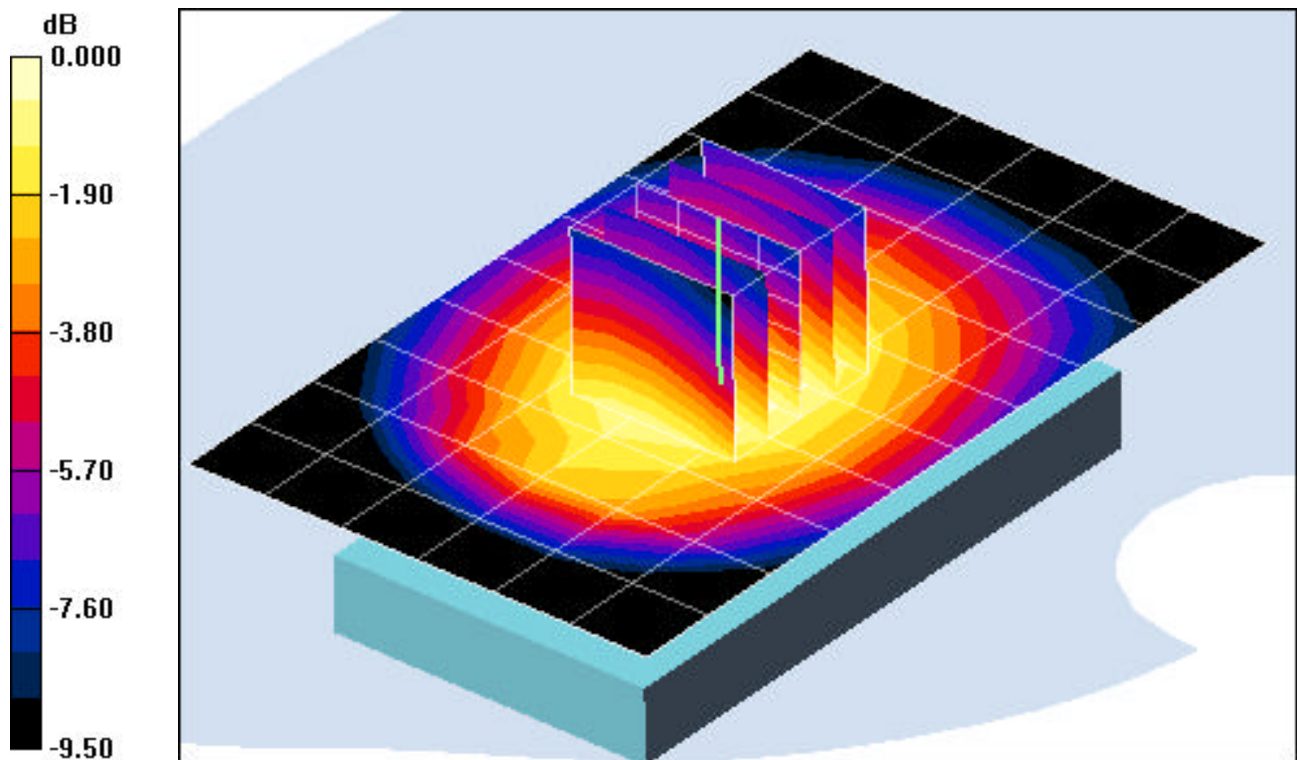
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 30.3 V/m

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.924 mW/g; SAR(10 g) = 0.690 mW/g



0 dB = 1.02mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

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

Medium: 1900 Muscle ($\sigma = 1.58$ mho/m, $\epsilon_r = 52.14$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 09-28-2007; Ambient Temp: 23.8°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN3589; ConvF(6.79, 6.79, 6.79); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: GSM1900, Body SAR, Back side, Mid Ch, Ant. Internal, Standard Battery

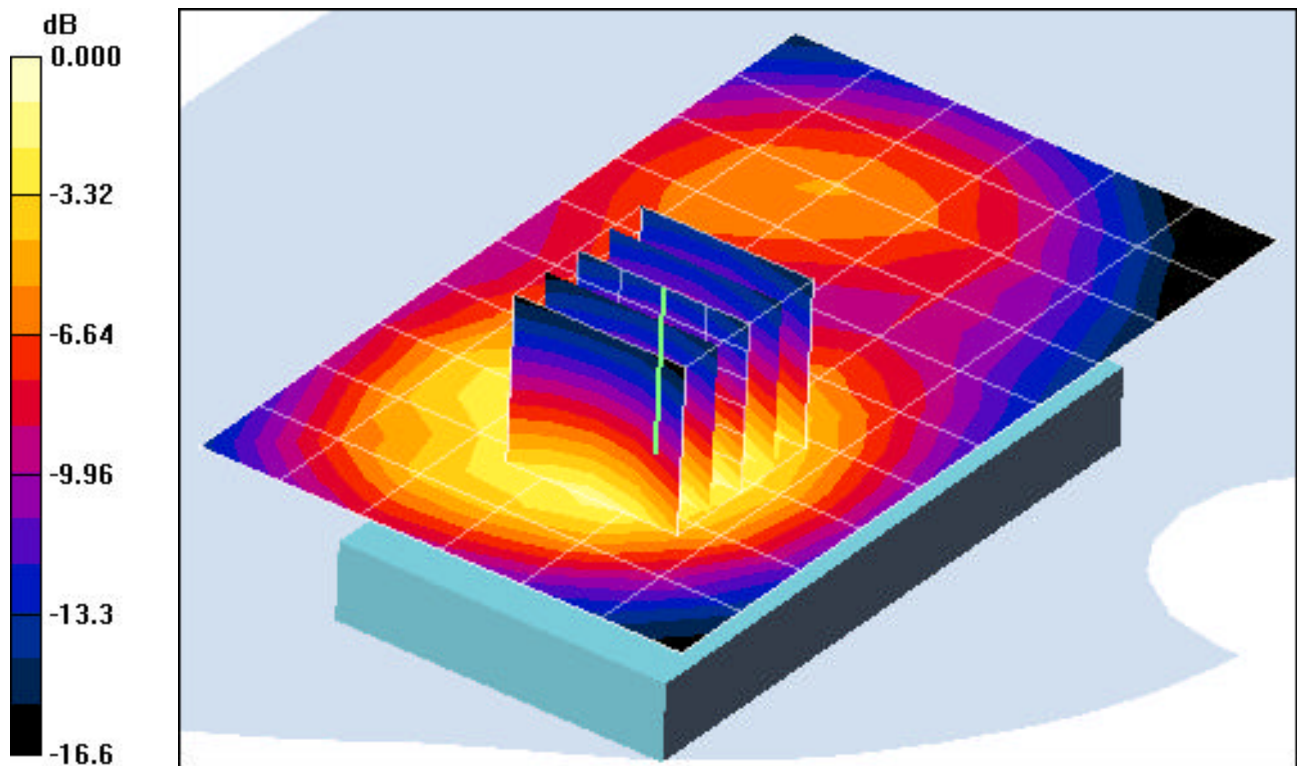
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 7.52 V/m

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.767 mW/g; SAR(10 g) = 0.451 mW/g



0 dB = 0.924mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

Communication System: WCDMA850; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 835 Brain ($\sigma = 0.93$ mho/m, $\epsilon_r = 43.45$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 09-25-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3589; ConvF(8.28, 8.28, 8.28); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: WCDMA850, Touch, Mid ch, Antenna Internal, Standard Battery

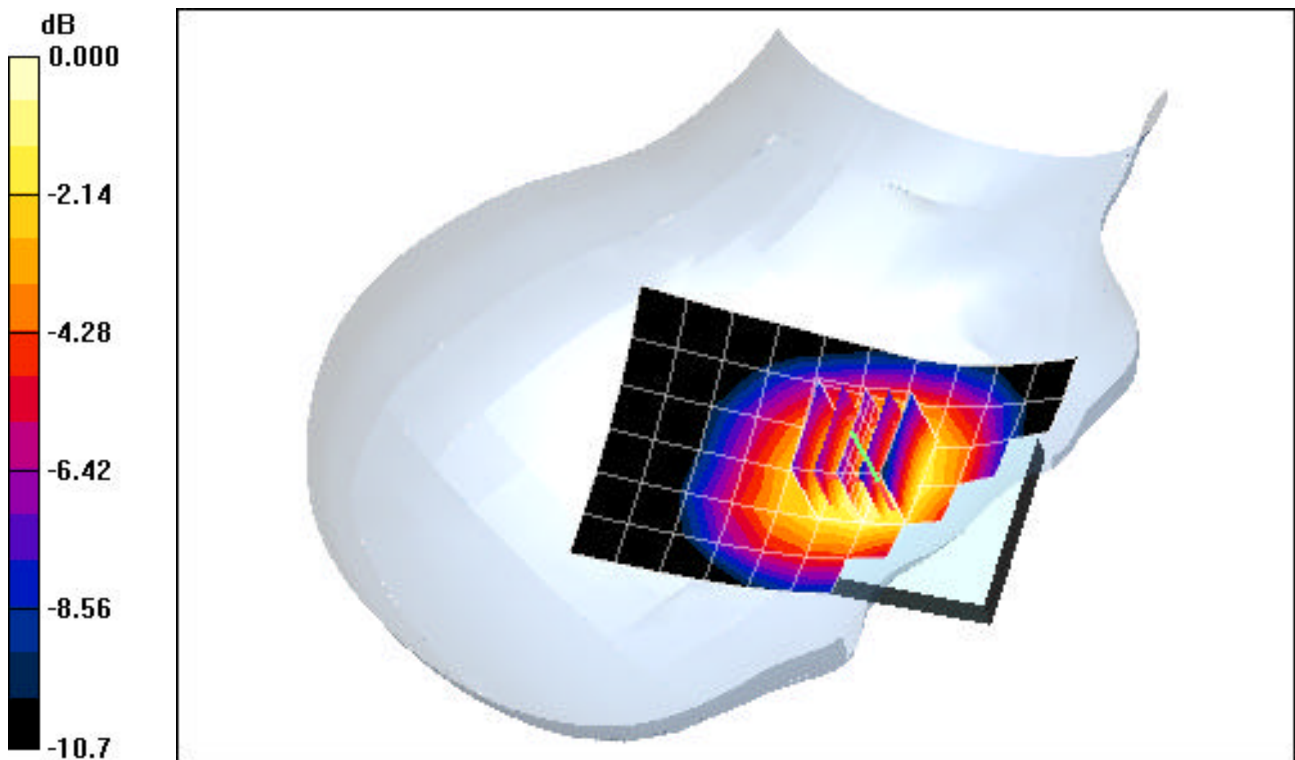
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 7.81 V/m

Peak SAR (extrapolated) = 0.854 W/kg

SAR(1 g) = 0.660 mW/g; SAR(10 g) = 0.481 mW/g



0 dB = 0.734mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

Communication System: WCDMA850; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 835 Brain ($\sigma = 0.93$ mho/m, $\epsilon_r = 43.45$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 09-25-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3589; ConvF(8.28, 8.28, 8.28); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: WCDMA850, Tilt, Mid ch, Antenna Internal, Standard Battery

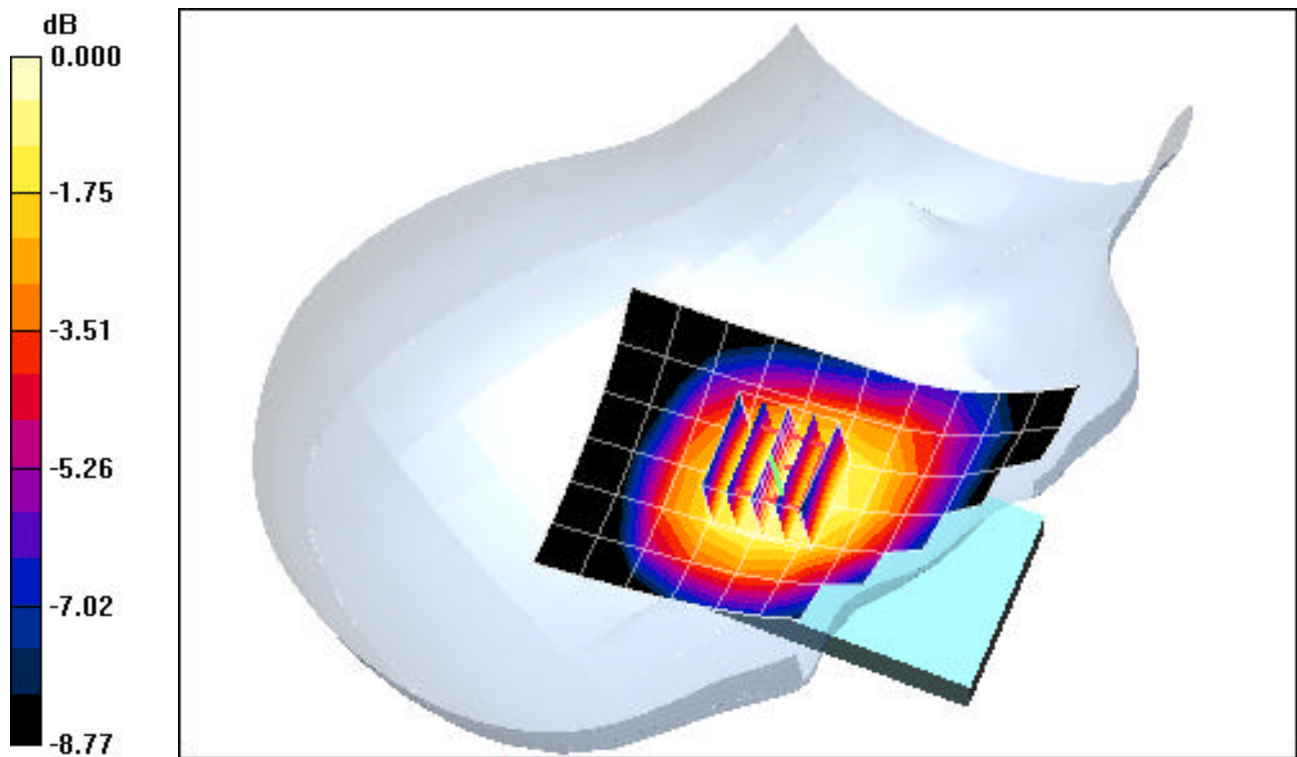
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 12.8 V/m

Peak SAR (extrapolated) = 0.449 W/kg

SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.266 mW/g



0 dB = 0.393mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

Communication System: WCDMA850; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 835 Brain ($\sigma = 0.93$ mho/m, $\epsilon_r = 43.45$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 09-25-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3589; ConvF(8.28, 8.28, 8.28); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: WCDMA850, Touch, Mid ch, Antenna Internal, Standard Battery

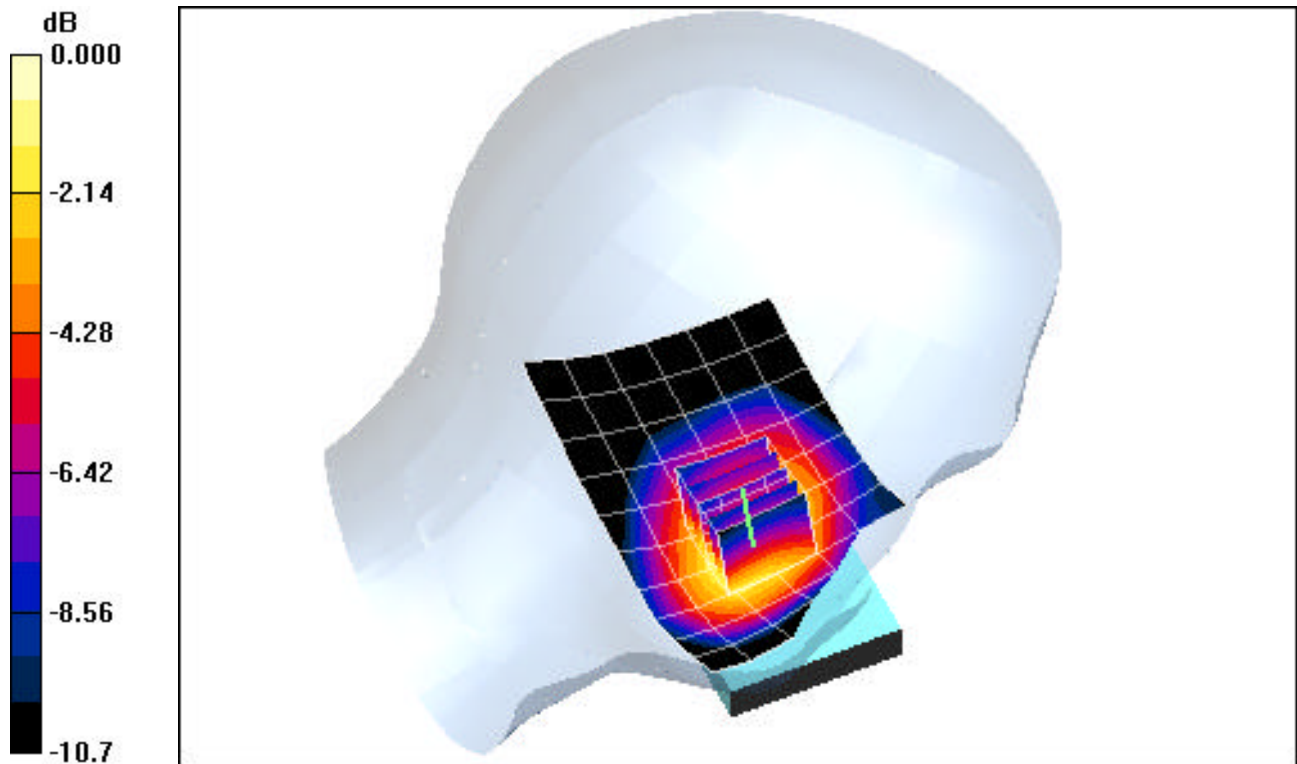
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 8.25 V/m

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.736 mW/g; SAR(10 g) = 0.506 mW/g



0 dB = 0.842mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

Communication System: WCDMA850; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 835 Brain ($\sigma = 0.93$ mho/m, $\epsilon_r = 43.45$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 09-25-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3589; ConvF(8.28, 8.28, 8.28); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: WCDMA850, Tilt, Mid ch, Antenna Internal, Standard Battery

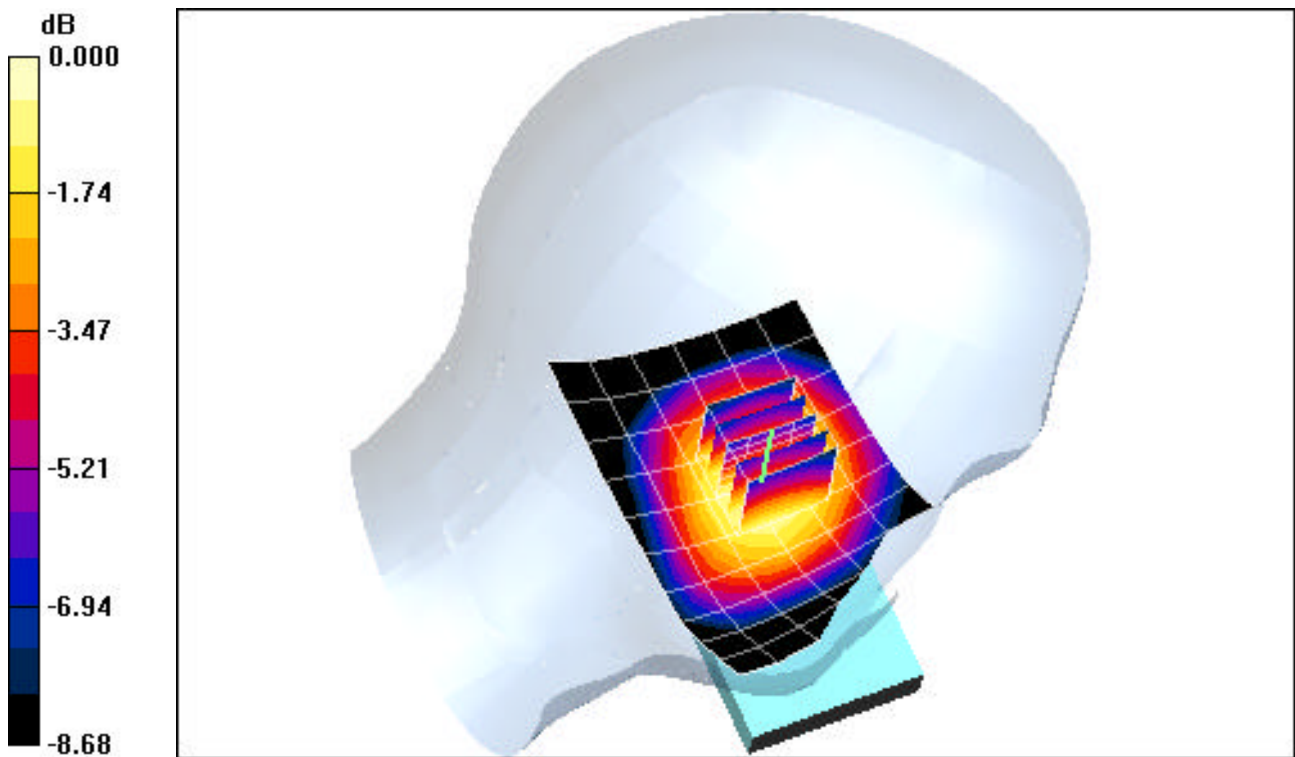
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 14.4 V/m

Peak SAR (extrapolated) = 0.515 W/kg

SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.306 mW/g



0 dB = 0.443mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

Communication System: WCDMA1900; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: 1900 Brain ($\sigma = 1.43$ mho/m, $\epsilon_r = 39.22$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 09-26-2007; Ambient Temp: 23.5°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3589; ConvF(6.71, 6.71, 6.71); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: WCDMA1900, Touch, Low ch, Antenna Internal, Standard Battery

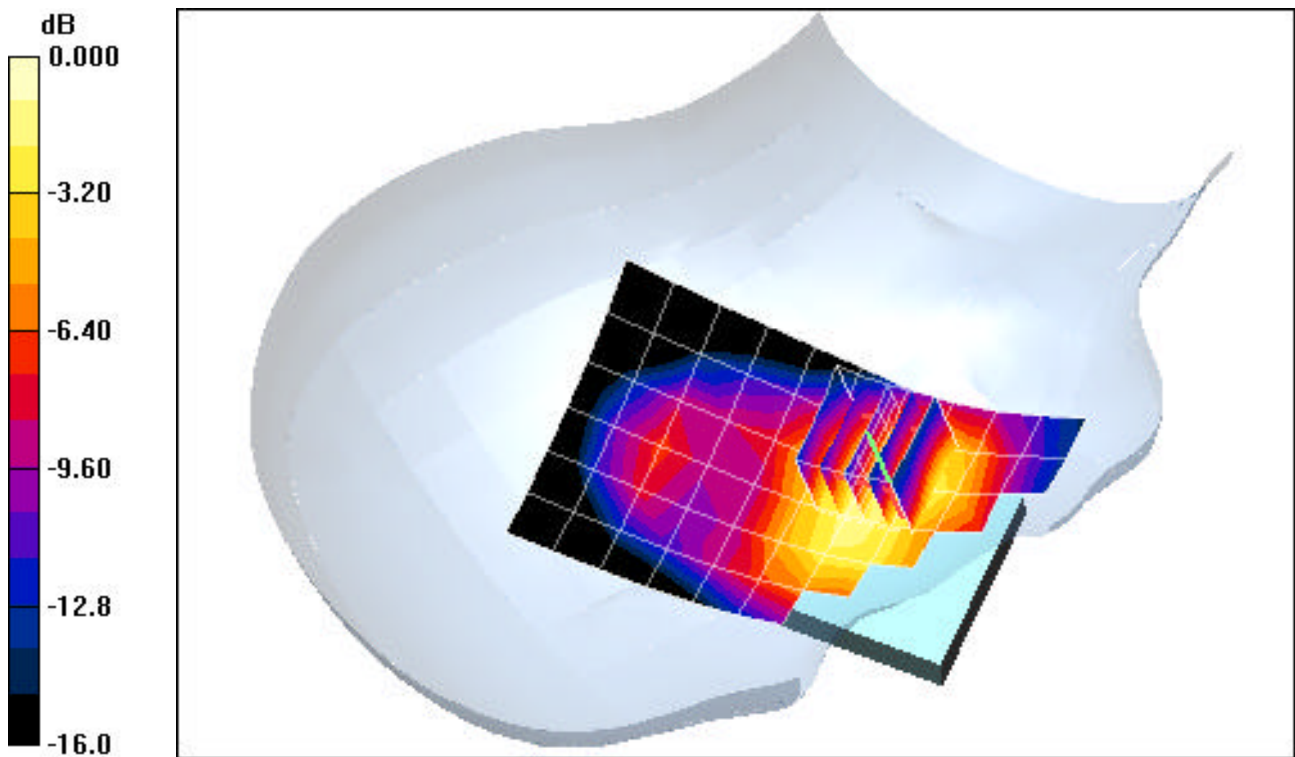
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 13.0 V/m

Peak SAR (extrapolated) = 1.78 W/kg

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.724 mW/g



0 dB = 1.40mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

Communication System: WCDMA1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: 1900 Brain ($\sigma = 1.43$ mho/m, $\epsilon_r = 39.22$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 09-26-2007; Ambient Temp: 23.5°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3589; ConvF(6.71, 6.71, 6.71); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: WCDMA1900, Tilt, Mid ch, Antenna Internal, Standard Battery

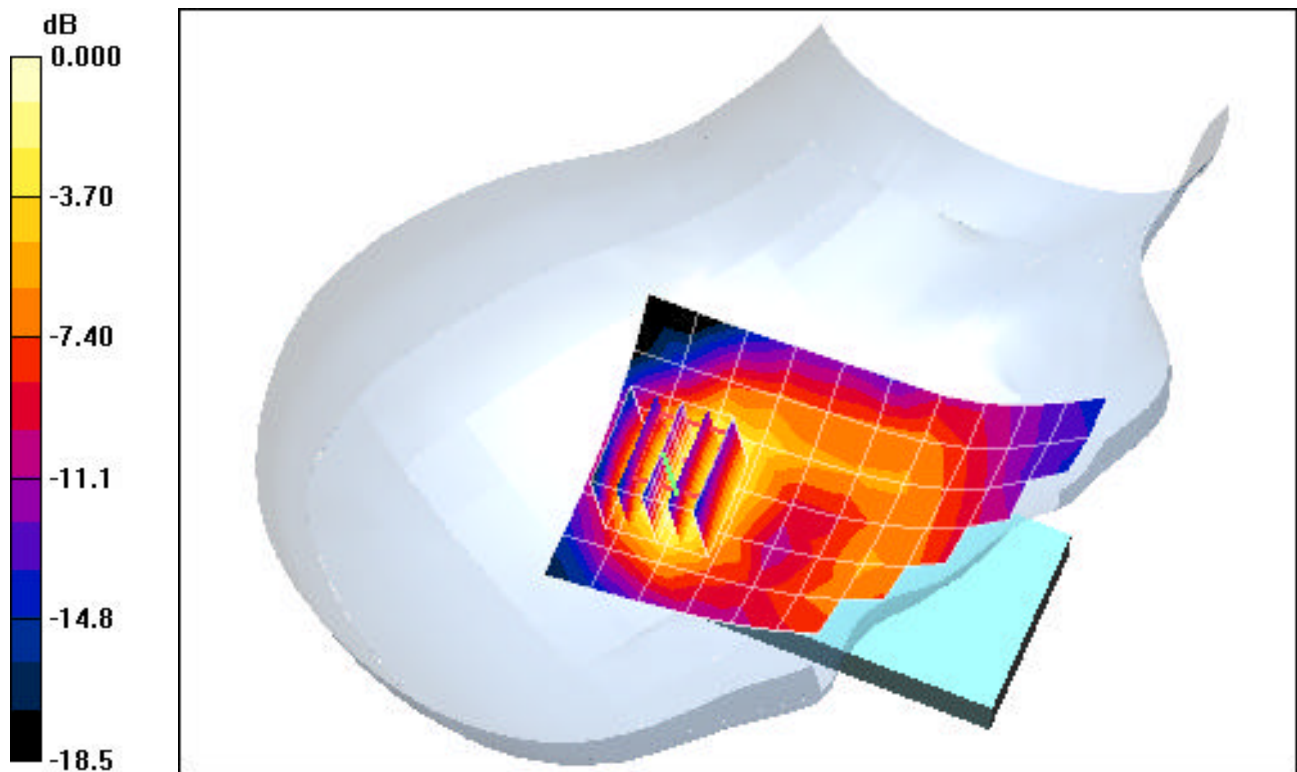
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 17.1 V/m

Peak SAR (extrapolated) = 0.638 W/kg

SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.225 mW/g



0 dB = 0.471mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

Communication System: WCDMA1900; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: 1900 Brain ($\sigma = 1.43$ mho/m, $\epsilon_r = 39.22$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 09-26-2007; Ambient Temp: 23.5°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3589; ConvF(6.71, 6.71, 6.71); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: WCDMA1900, Touch, Low ch, Antenna Internal, Standard Battery

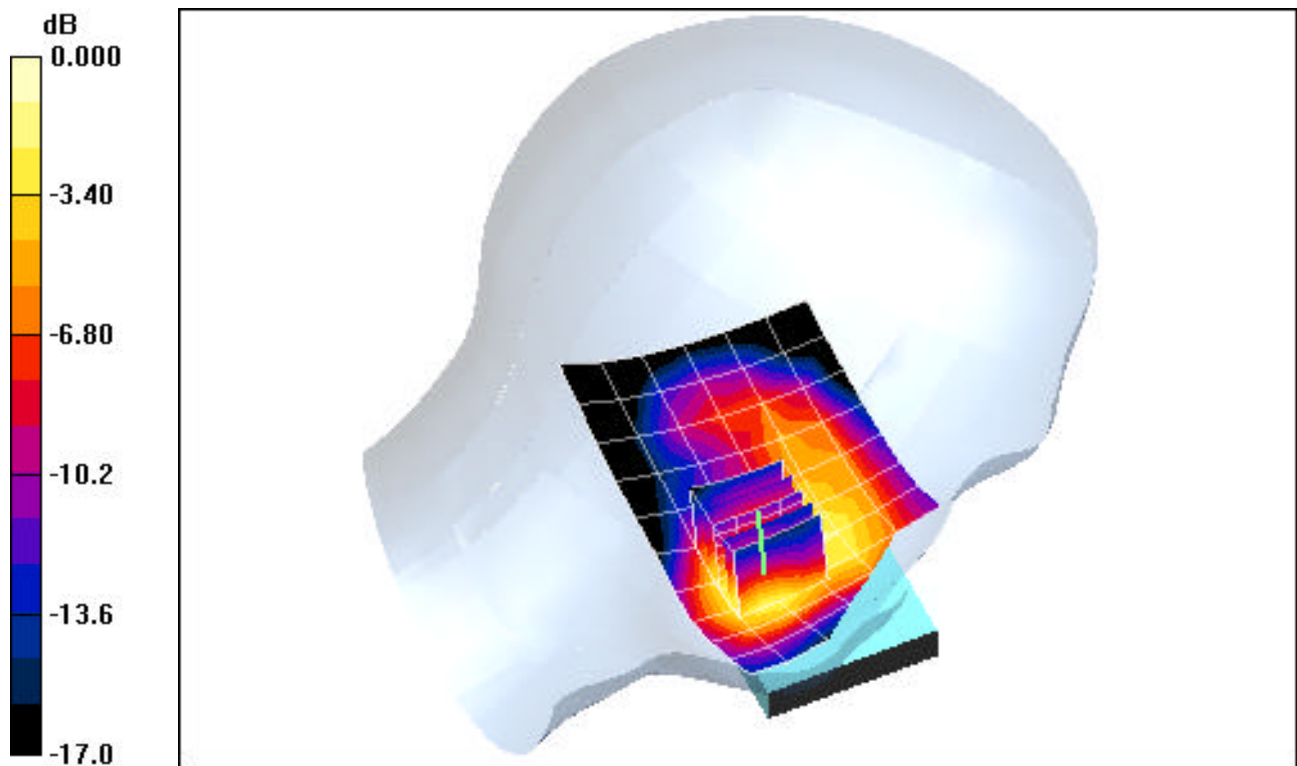
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 12.8 V/m

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.710 mW/g



0 dB = 1.37mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

Communication System: WCDMA1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: 1900 Brain ($\sigma = 1.43$ mho/m, $\epsilon_r = 39.22$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 09-26-2007; Ambient Temp: 23.5°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3589; ConvF(6.71, 6.71, 6.71); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: WCDMA1900, Tilt, Mid ch, Antenna Internal, Standard Battery

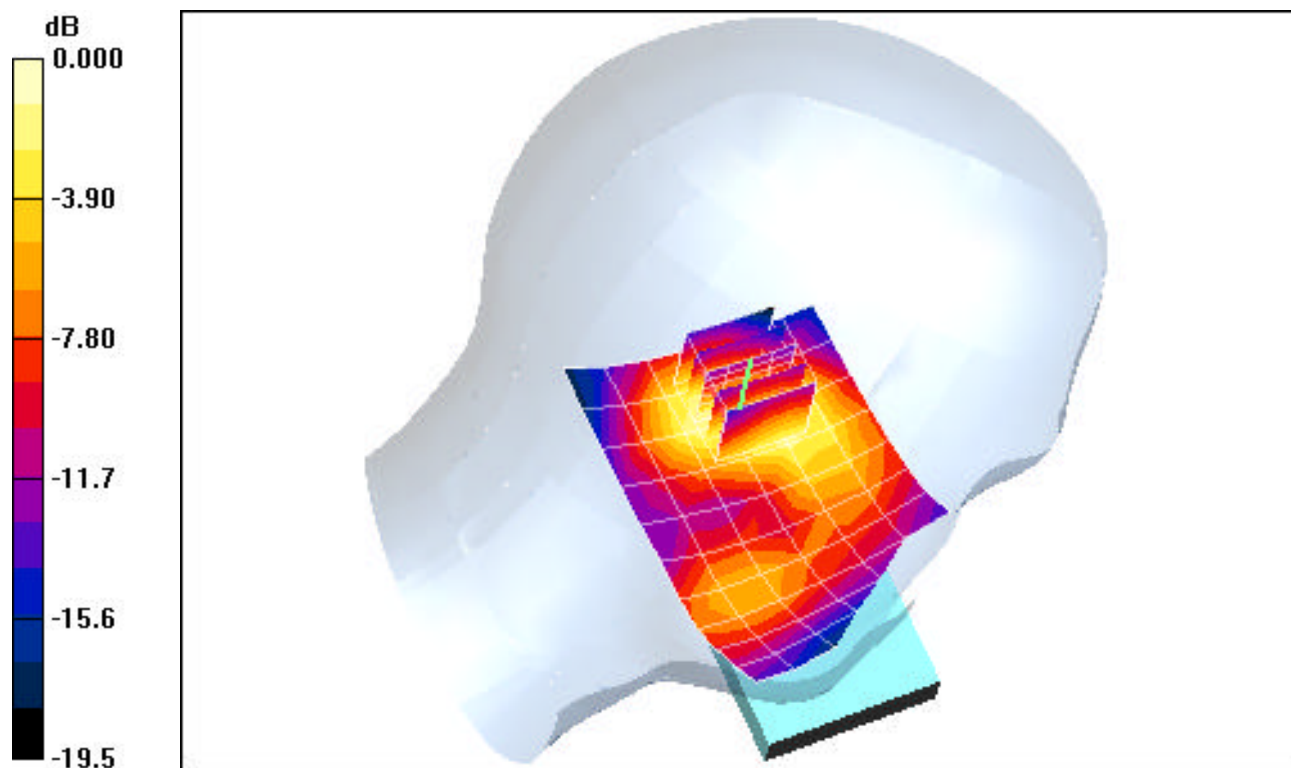
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 18.5 V/m

Peak SAR (extrapolated) = 0.698 W/kg

SAR(1 g) = 0.440 mW/g; SAR(10 g) = 0.262 mW/g



0 dB = 0.526mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

Communication System: WCDMA850; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 835 Muscle ($\sigma = 0.93$ mho/m, $\epsilon_r = 55.26$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 09-27-2007; Ambient Temp: 23.6°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN3589; ConvF(8.3, 8.3, 8.3); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: WCDMA850, Body SAR, Back side, Mid ch, Ant. Internal, Standard Battery

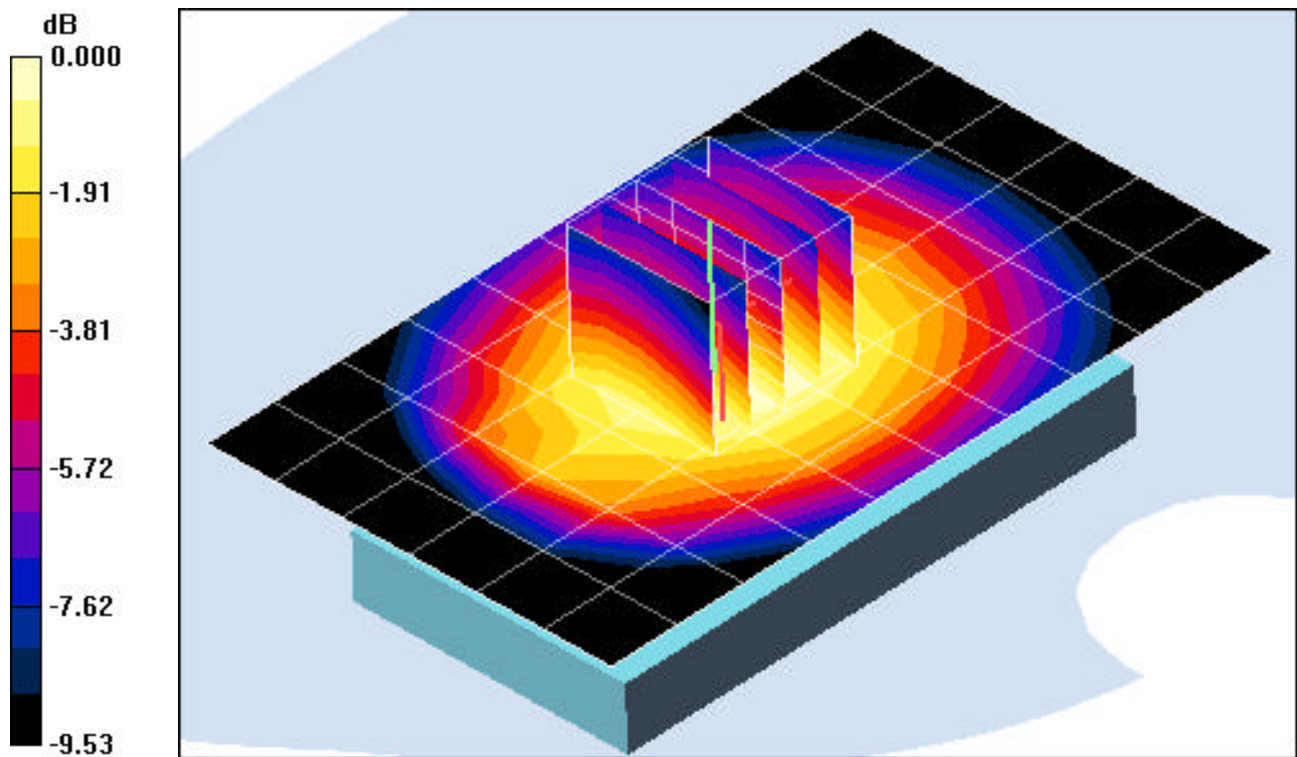
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 26.9 V/m

Peak SAR (extrapolated) = 0.929 W/kg

SAR(1 g) = 0.730 mW/g; SAR(10 g) = 0.548 mW/g



0 dB = 0.803mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

Communication System: WCDMA1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: 1900 Muscle ($\sigma = 1.58$ mho/m, $\epsilon_r = 52.14$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

Test Date: 09-28-2007; Ambient Temp: 23.8°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN3589; ConvF(6.79, 6.79, 6.79); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: WCDM1900, Body SAR, Back side, Mid ch, Ant. Internal, Standard Battery

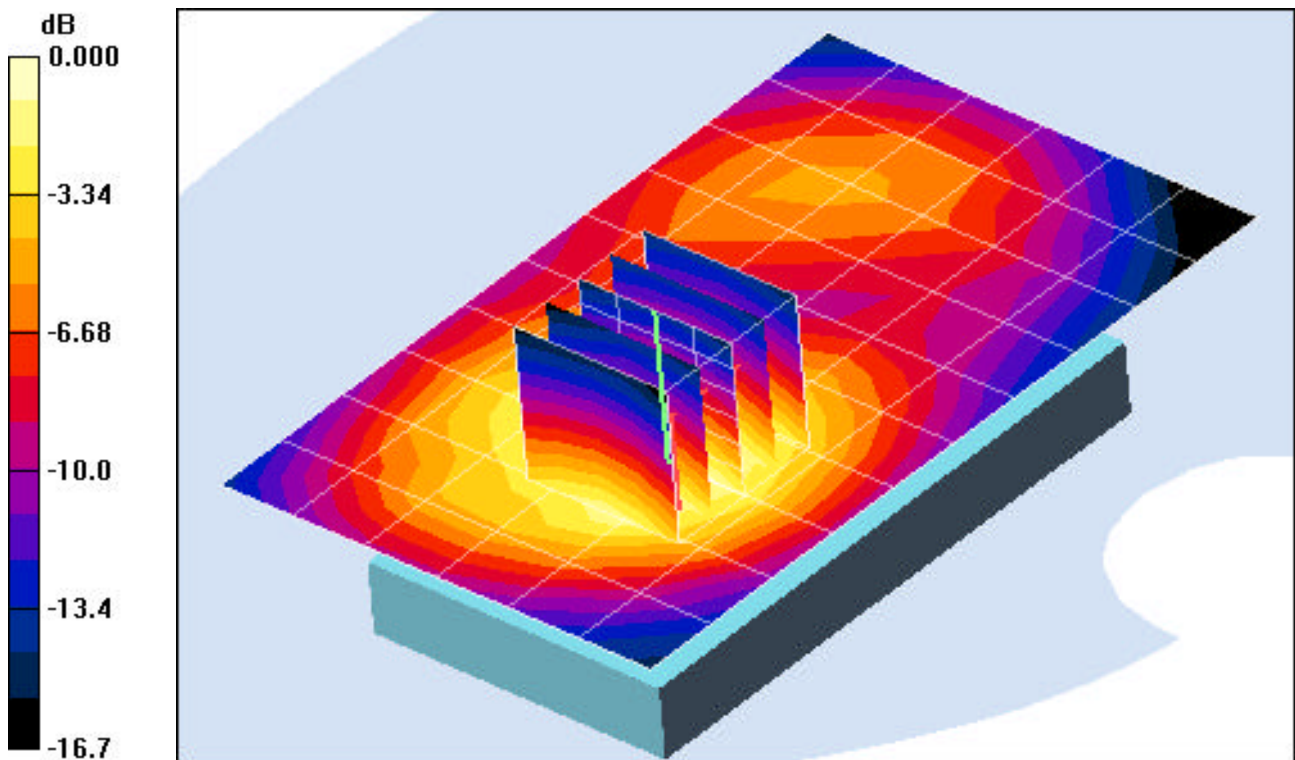
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 7.84 V/m

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.673 mW/g; SAR(10 g) = 0.396 mW/g



0 dB = 0.813mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

Communication System: WCDMA850; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 835 Brain ($\sigma = 0.93$ mho/m, $\epsilon_r = 43.45$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 09-25-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3589; ConvF(8.28, 8.28, 8.28); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: WCDMA850, Touch, Mid ch, Antenna Internal, Standard Battery

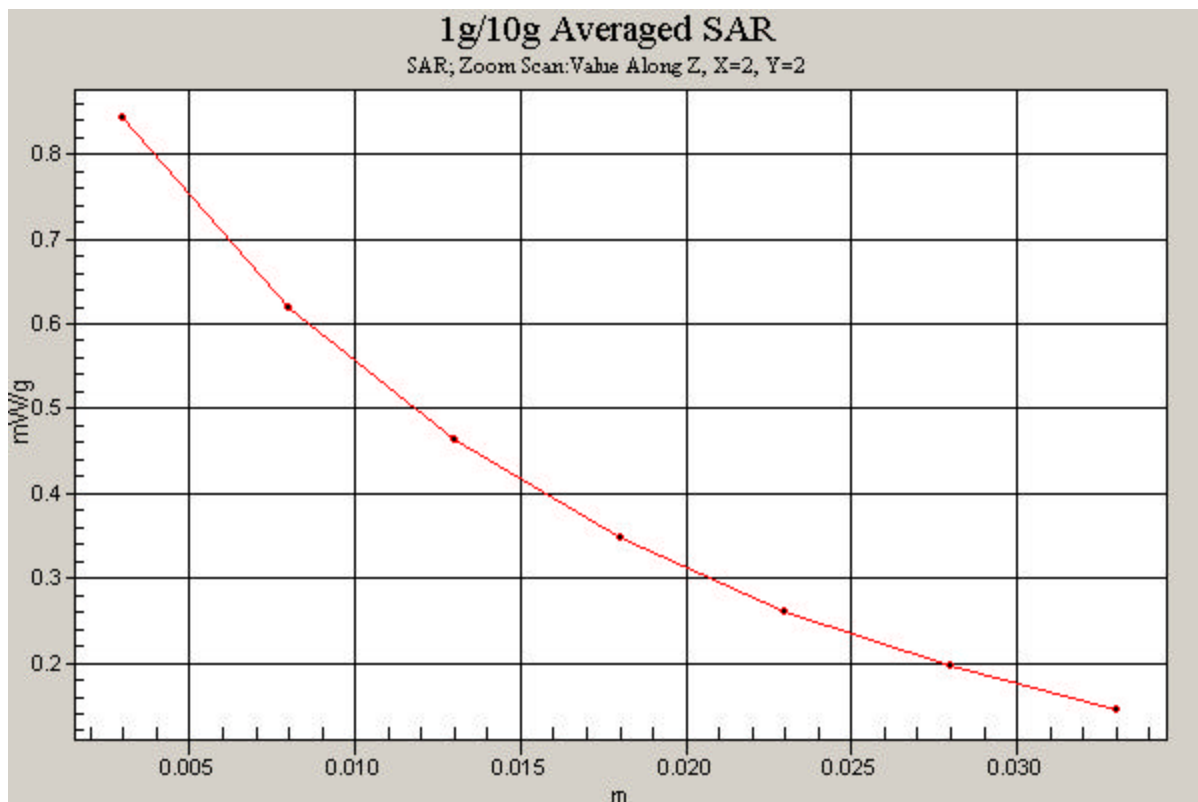
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 8.25 V/m

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.736 mW/g; SAR(10 g) = 0.506 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

Communication System: WCDMA1900; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: 1900 Brain ($\sigma = 1.43$ mho/m, $\epsilon_r = 39.22$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 09-26-2007; Ambient Temp: 23.5°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3589; ConvF(6.71, 6.71, 6.71); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: WCDMA1900, Touch, Low ch, Antenna Internal, Standard Battery

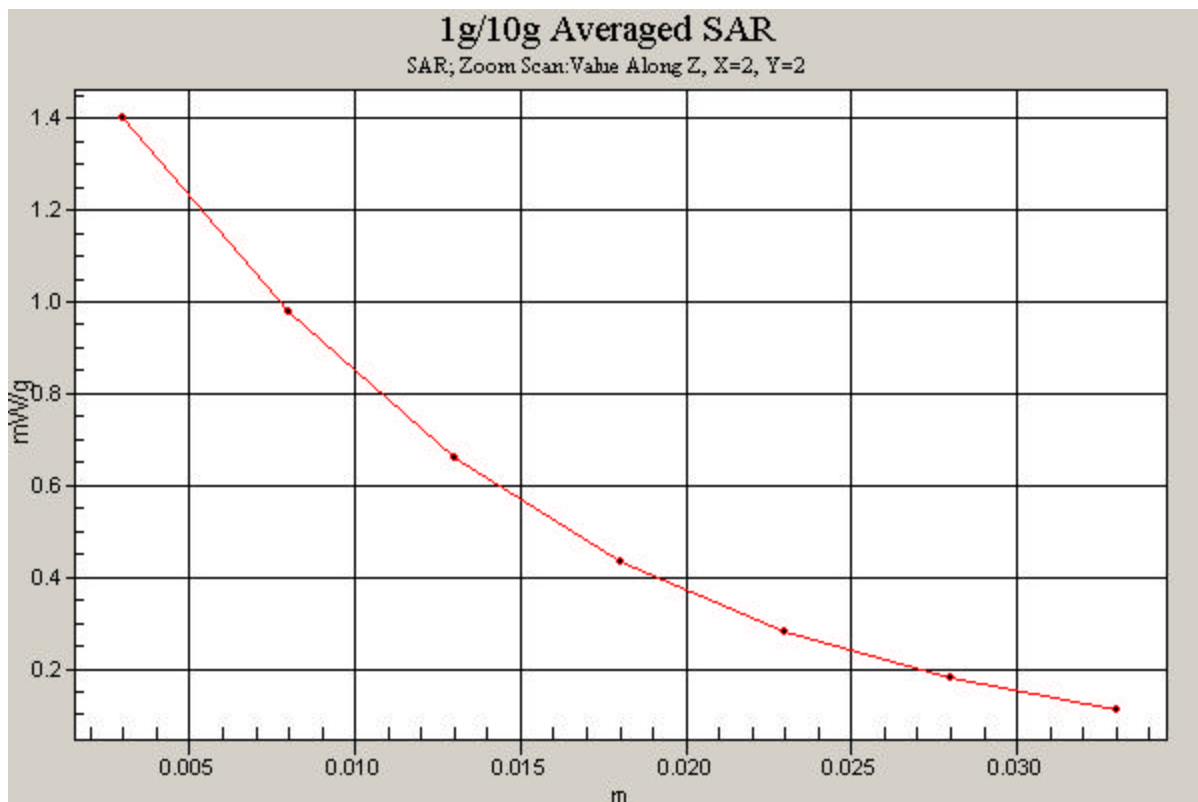
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 13.0 V/m

Peak SAR (extrapolated) = 1.78 W/kg

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.724 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

Communication System: GSM850 GPRS; 2 Tx slots; Frequency: 824.2 MHz; Duty Cycle: 1:4.15

Medium: 835 Muscle ($\sigma = 0.93$ mho/m, $\epsilon_r = 55.26$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 09-27-2007; Ambient Temp: 23.6°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN3589; ConvF(8.3, 8.3, 8.3); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: GSM850, Body SAR, Back side, Low Ch. Ant. Internal, Standard Battery

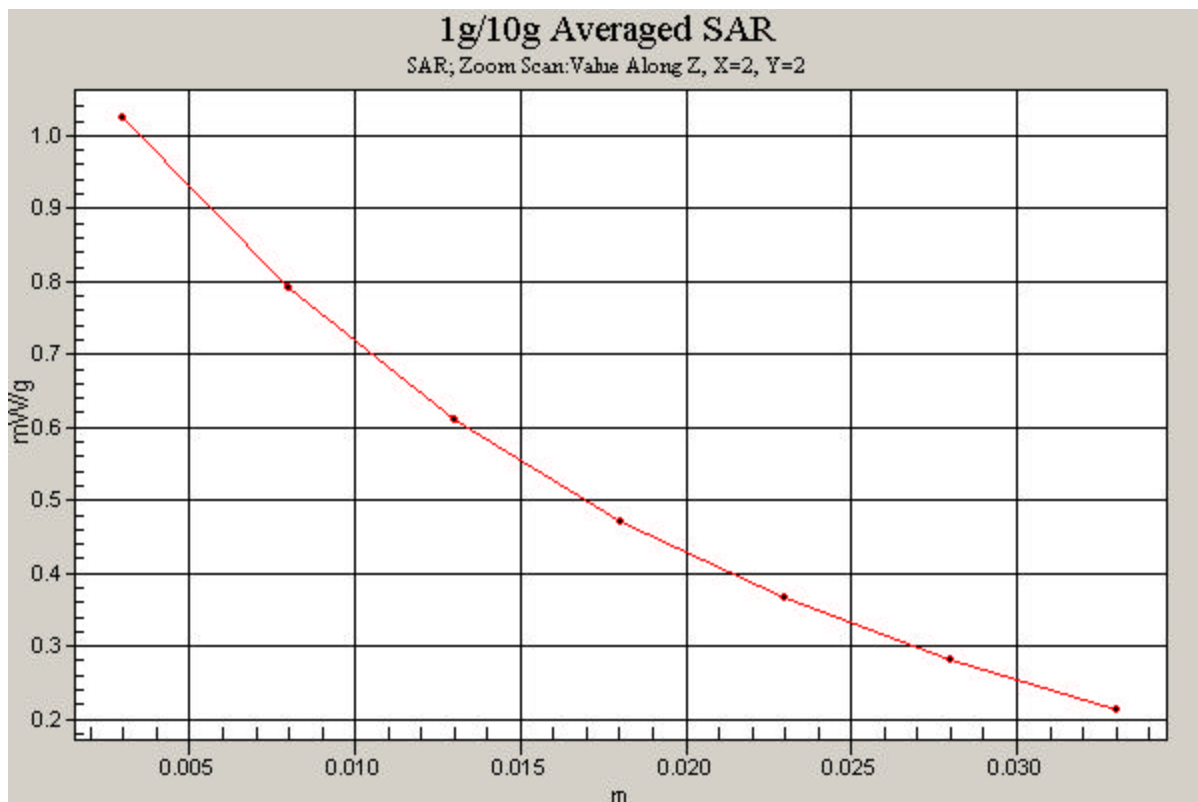
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 30.3 V/m

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.924 mW/g; SAR(10 g) = 0.690 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-i617; Type: 850/1900 GSM/WCDMA with Bluetooth; Serial: FE-157-N

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

Medium: 1900 Muscle ($\sigma = 1.58$ mho/m, $\epsilon_r = 52.14$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 09-28-2007; Ambient Temp: 23.8°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN3589; ConvF(6.79, 6.79, 6.79); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

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

Mode: GSM1900, Touch, Mid Ch. Antenna Internal, Standard Battery

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

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

Reference Value = 7.52 V/m

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.767 mW/g; SAR(10 g) = 0.451 mW/g

