

APPENDIX A: SAR TEST DATA

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 835 Brain ($\sigma = 0.89$ mho/m, $\epsilon_r = 41.36$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 03-03-2008; Ambient Temp: 23.2°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3561; ConvF(8.38, 8.38, 8.38); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114

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

Mode: GSM850, Right Head, Touch, Mid.ch

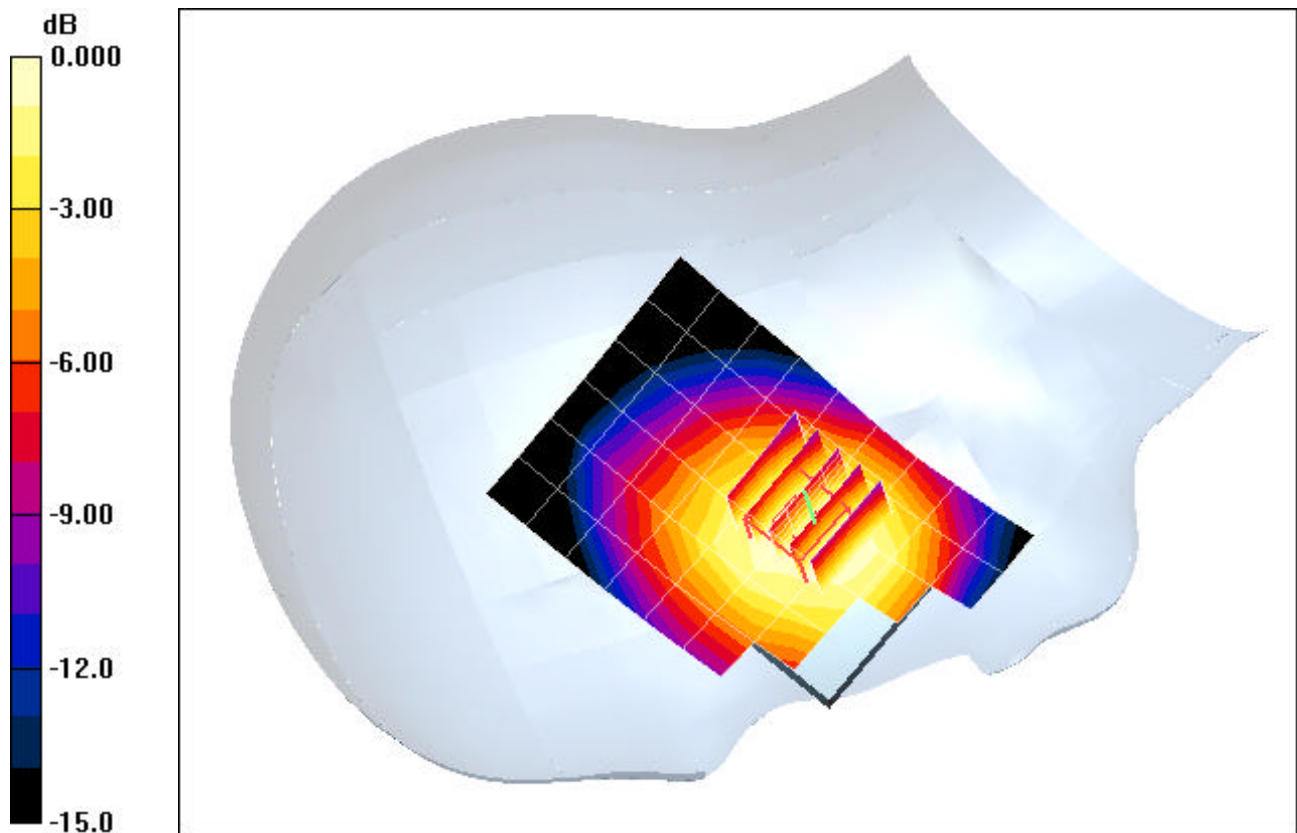
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 9.40 V/m

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.776 mW/g; SAR(10 g) = 0.558 mW/g



0 dB = 0.800mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 835 Brain ($\sigma = 0.89$ mho/m, $\epsilon_r = 41.36$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 03-03-2008; Ambient Temp: 23.2°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3561; ConvF(8.38, 8.38, 8.38); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114

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

Mode: GSM850, Right Head, Tilt, Mid.ch

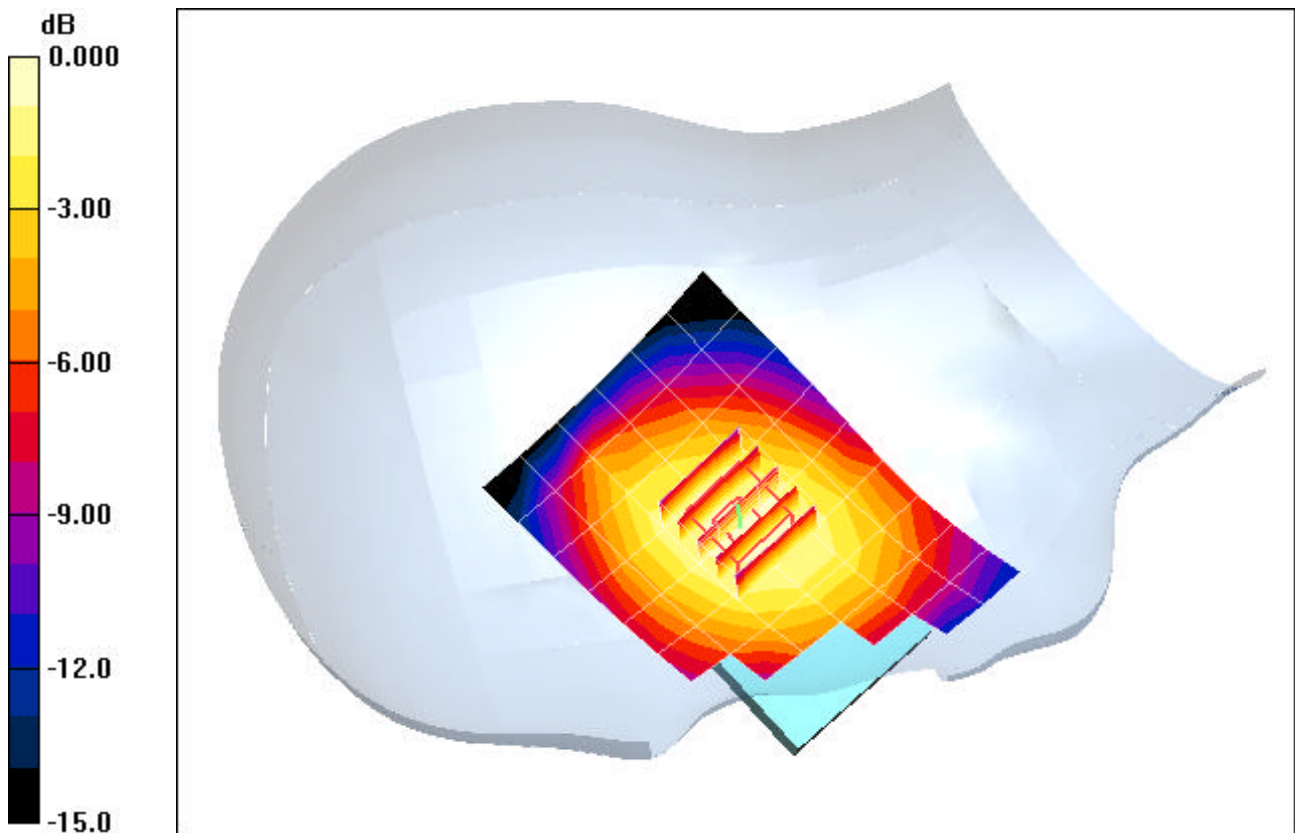
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 12.0 V/m

Peak SAR (extrapolated) = 0.454 W/kg

SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.258 mW/g



0 dB = 0.400mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 835 Brain ($\sigma = 0.89$ mho/m, $\epsilon_r = 41.36$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 03-03-2008; Ambient Temp: 23.2°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3561; ConvF(8.38, 8.38, 8.38); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114

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

Mode: GSM850, Left Head, Touch, Mid.ch

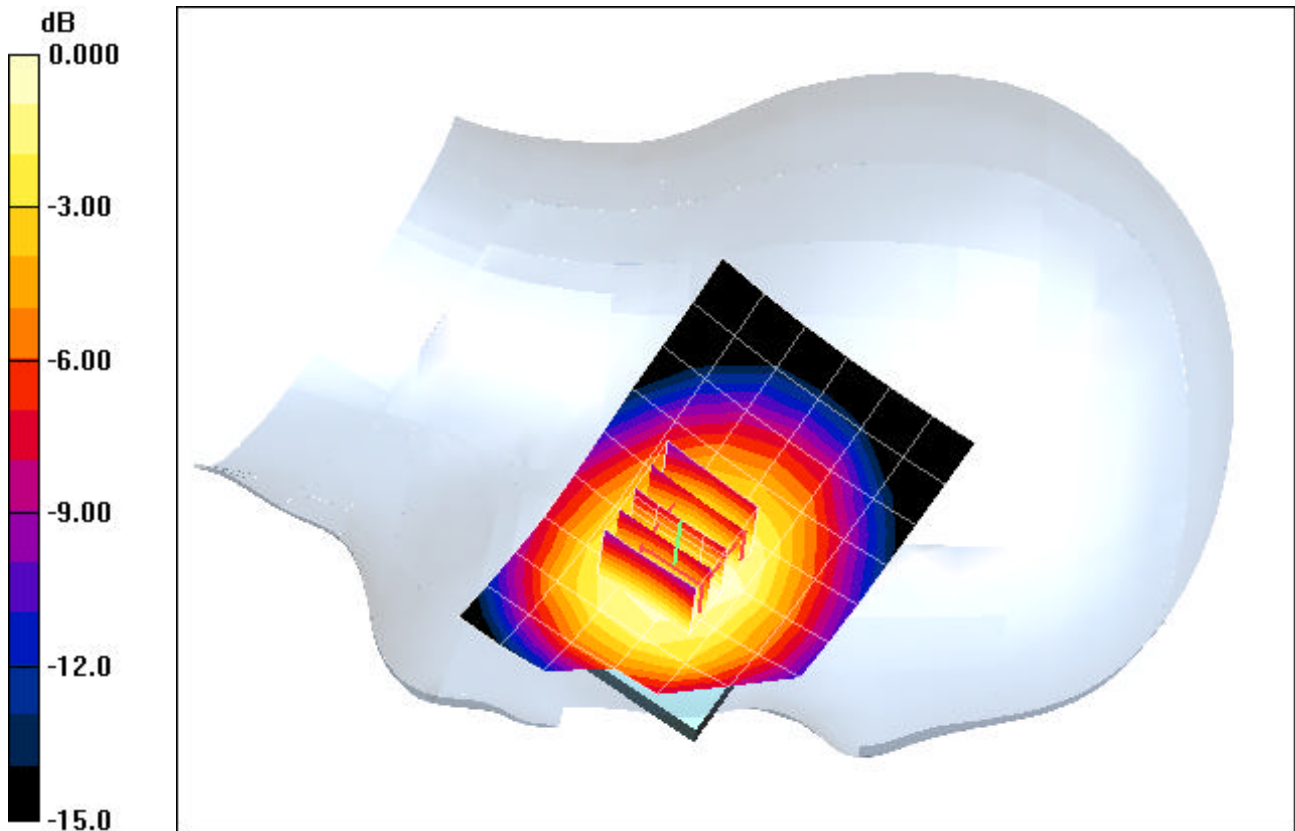
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 9.02 V/m

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.824 mW/g; SAR(10 g) = 0.605 mW/g



0 dB = 0.900mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 835 Brain ($\sigma = 0.89$ mho/m, $\epsilon_r = 41.36$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 03-03-2008; Ambient Temp: 23.2°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3561; ConvF(8.38, 8.38, 8.38); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114

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

Mode: GSM850, Left Head, Tilt, Mid.ch

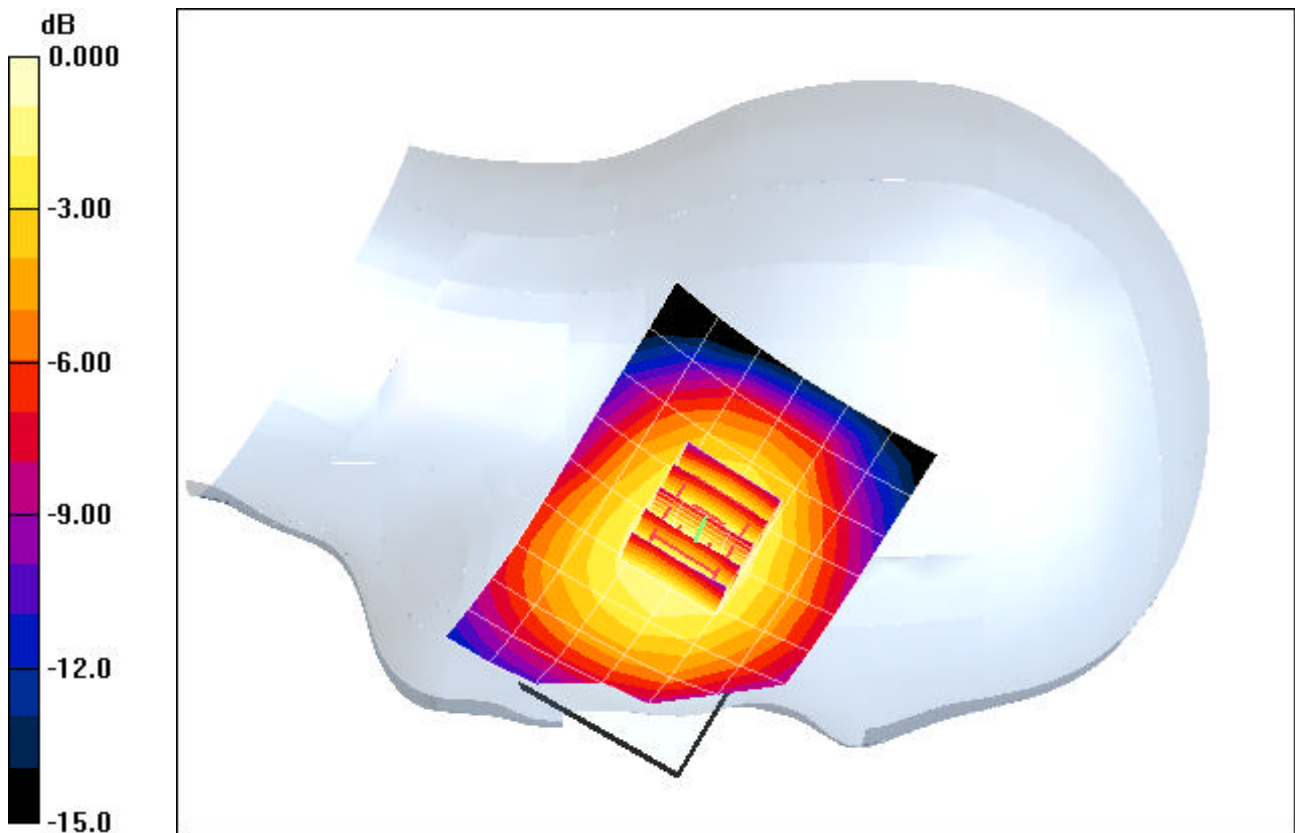
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 11.8 V/m

Peak SAR (extrapolated) = 0.427 W/kg

SAR(1 g) = 0.333 mW/g; SAR(10 g) = 0.245 mW/g



0 dB = 0.400mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

Communication System: GSM1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: 1900 Brain ($\sigma = 1.37$ mho/m, $\epsilon_r = 39.60$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 03-05-2008; Ambient Temp: 22.8°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3561; ConvF(6.71, 6.71, 6.71); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

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

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

Mode: GSM1900, Right Head, Touch, Low.ch

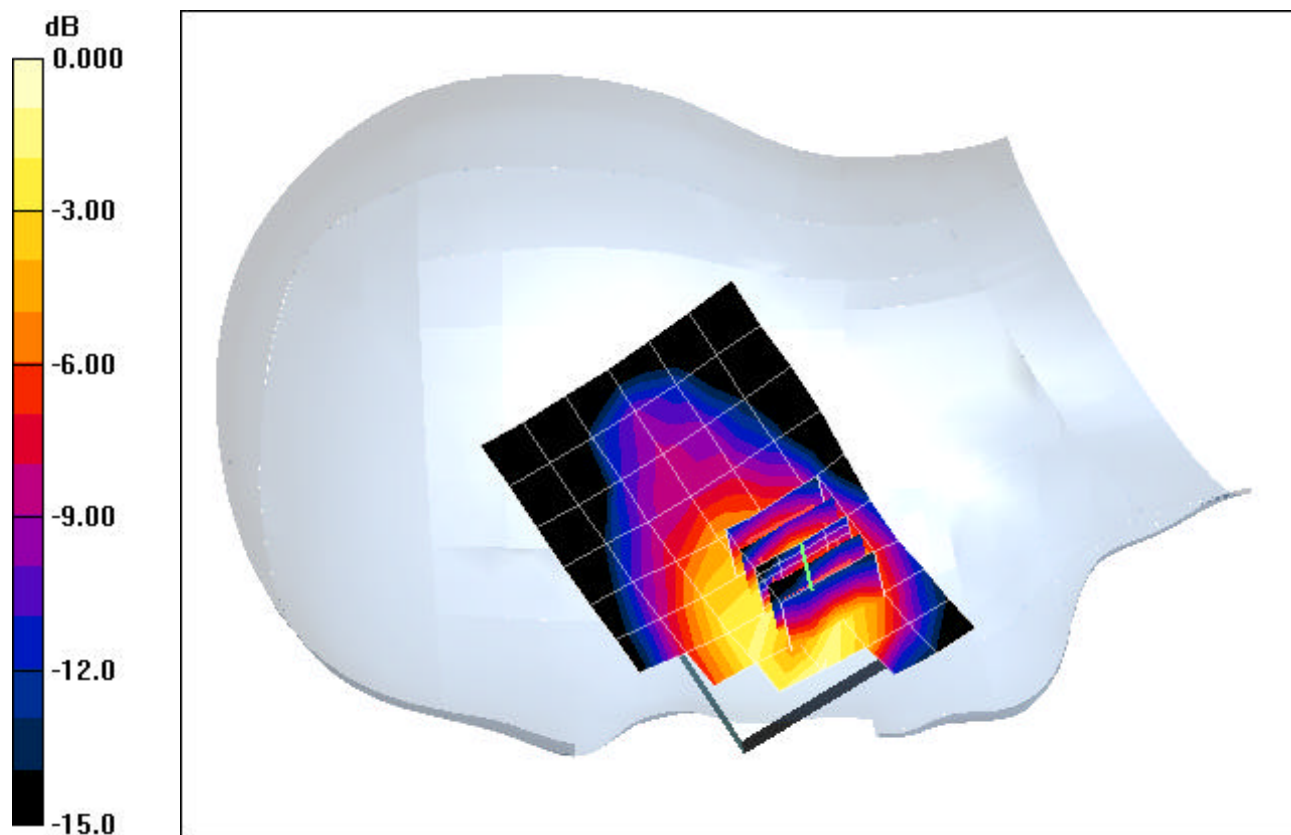
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 8.98 V/m

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.879 mW/g; SAR(10 g) = 0.471 mW/g



0 dB = 0.900mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 1900 Brain ($\sigma = 1.37$ mho/m, $\epsilon_r = 39.60$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 03-05-2008; Ambient Temp: 22.8°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3561; ConvF(6.71, 6.71, 6.71); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

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

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

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

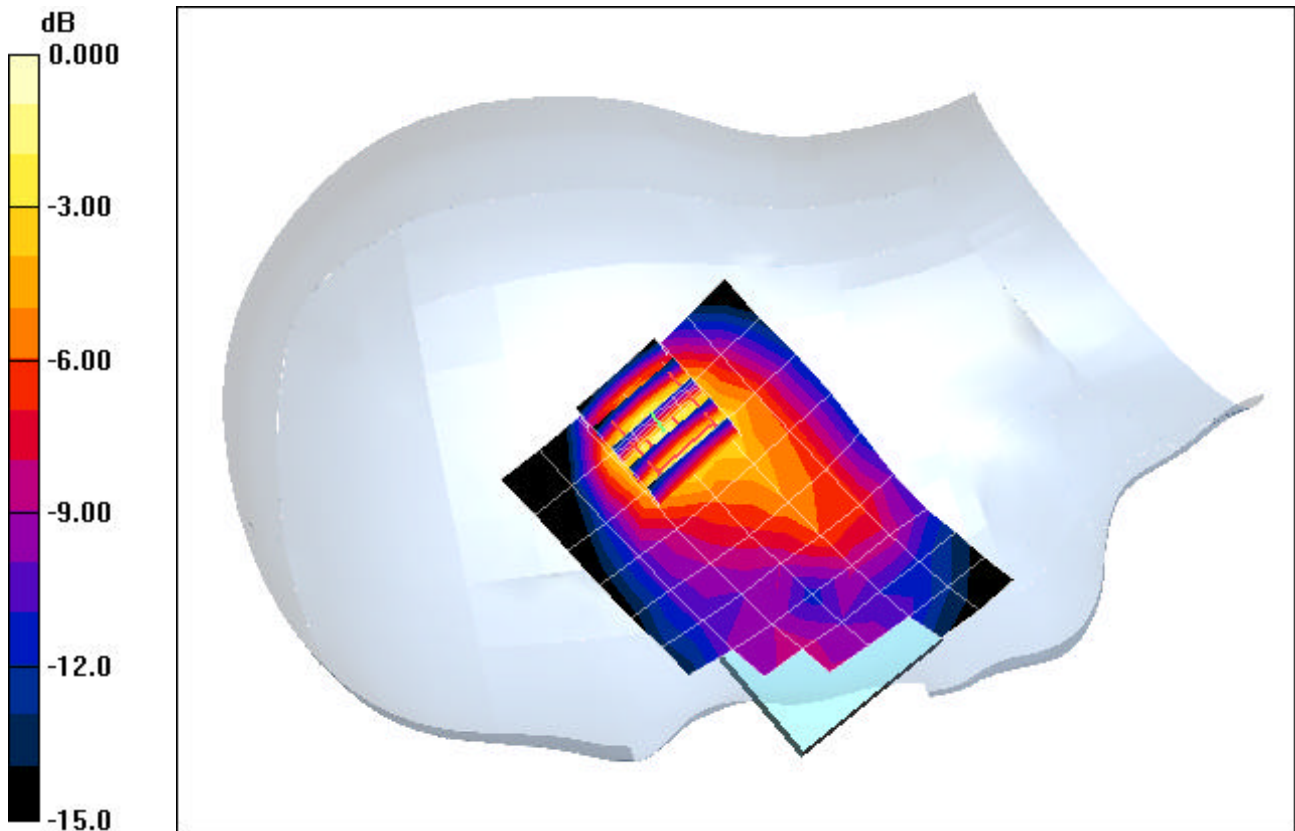
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 13.1 V/m

Peak SAR (extrapolated) = 0.342 W/kg

SAR(1 g) = 0.215 mW/g; SAR(10 g) = 0.125 mW/g



0 dB = 0.300mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 1900 Brain ($\sigma = 1.37$ mho/m, $\epsilon_r = 39.60$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 03-04-2008; Ambient Temp: 22.4°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN3561; ConvF(6.71, 6.71, 6.71); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

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

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

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

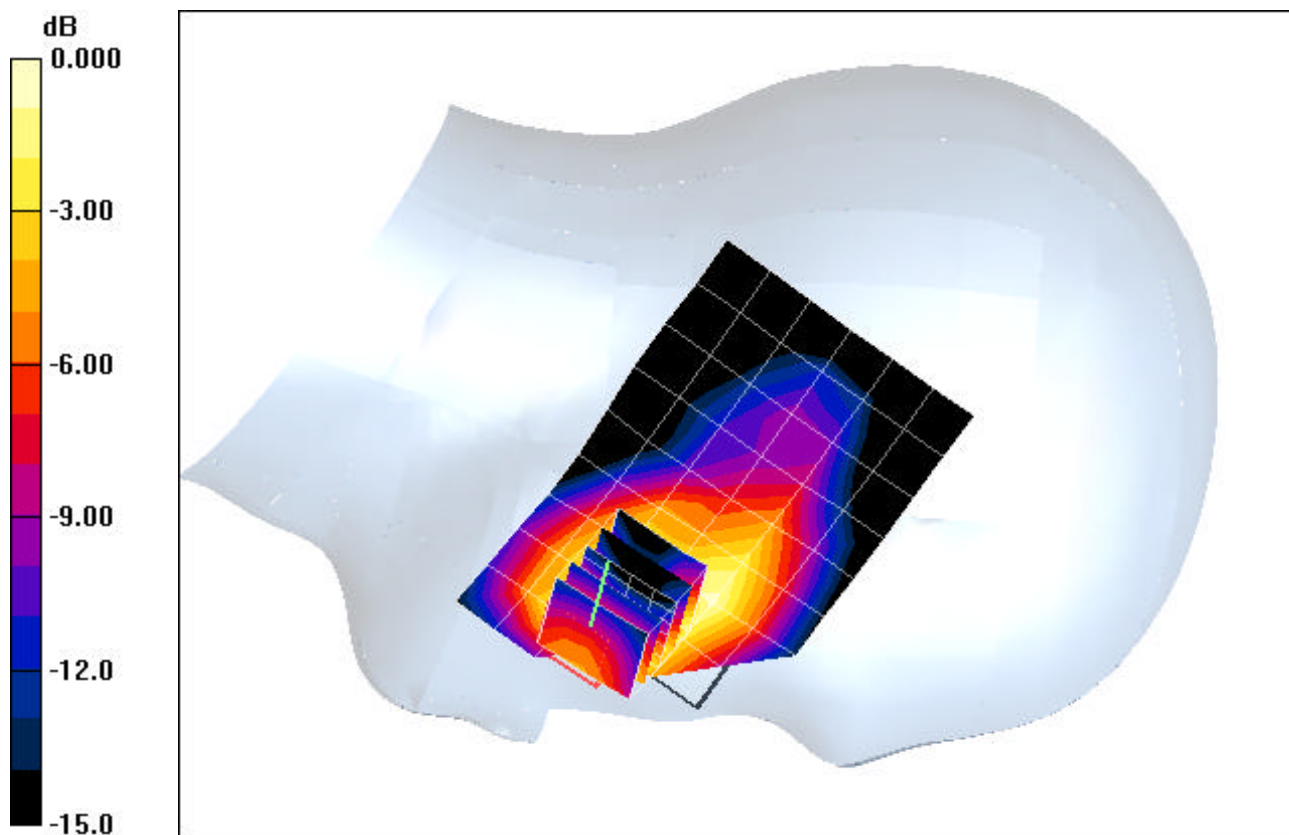
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 7.21 V/m

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.761 mW/g; SAR(10 g) = 0.378 mW/g



0 dB = 0.800mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 1900 Brain ($\sigma = 1.37$ mho/m, $\epsilon_r = 39.60$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 03-04-2008; Ambient Temp: 22.4°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN3561; ConvF(6.71, 6.71, 6.71); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

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

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

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

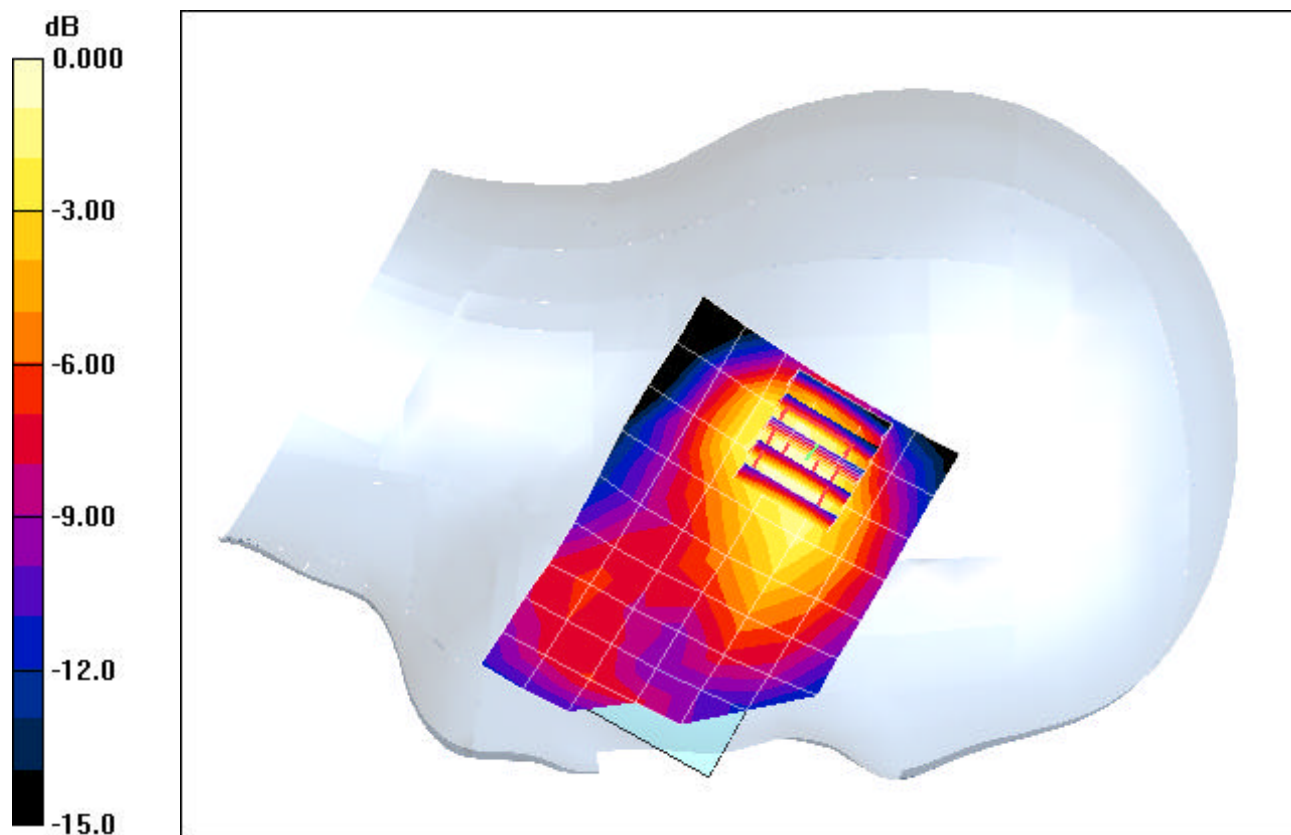
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 11.9 V/m

Peak SAR (extrapolated) = 0.305 W/kg

SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.119 mW/g



0 dB = 0.200mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 835 Brain ($\sigma = 0.89$ mho/m, $\epsilon_r = 41.36$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 03-03-2008; Ambient Temp: 23.2°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3561; ConvF(8.38, 8.38, 8.38); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114

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

Mode: WCDMA850, Right Head, Touch, Mid.ch

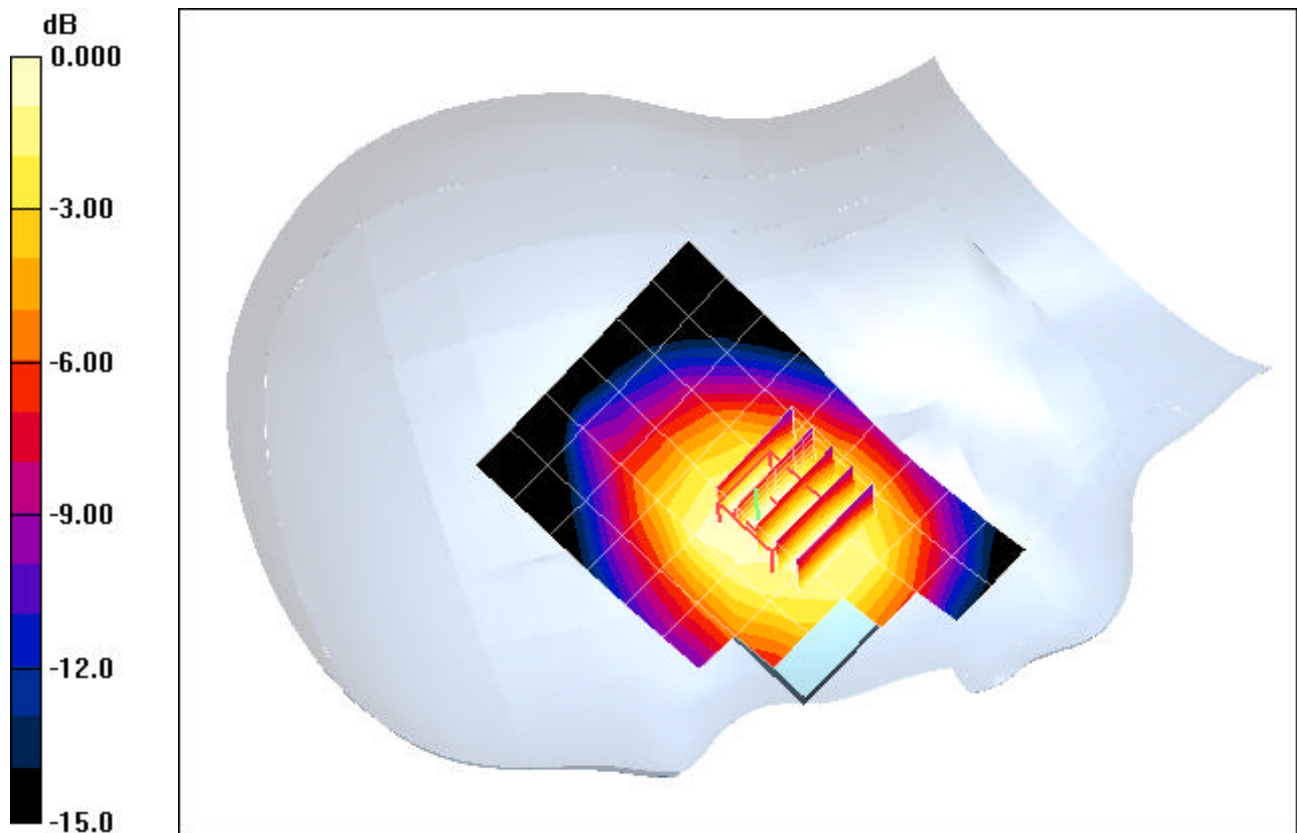
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 9.33 V/m

Peak SAR (extrapolated) = 0.820 W/kg

SAR(1 g) = 0.648 mW/g; SAR(10 g) = 0.471 mW/g



0 dB = 0.700mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 835 Brain ($\sigma = 0.89$ mho/m, $\epsilon_r = 41.36$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 03-03-2008; Ambient Temp: 23.2°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3561; ConvF(8.38, 8.38, 8.38); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114

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

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

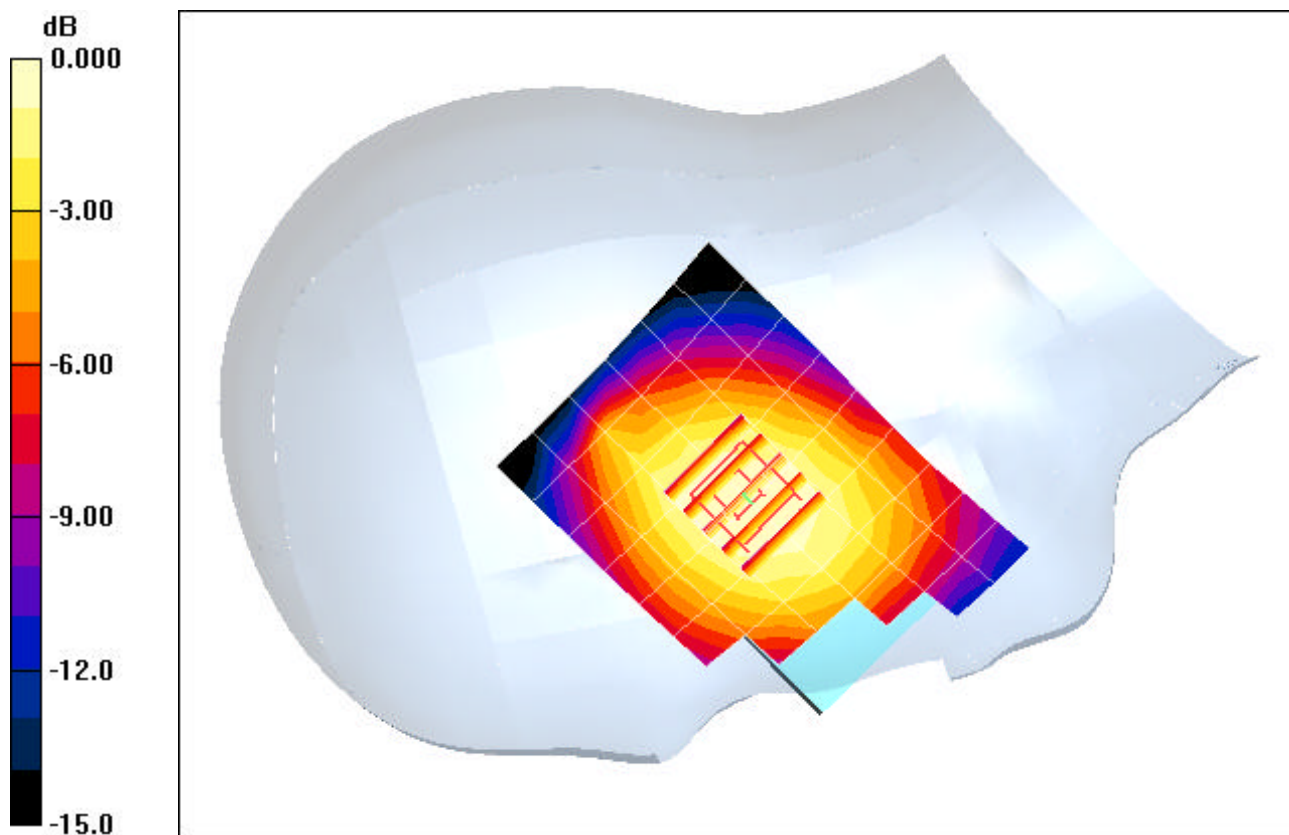
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 10.8 V/m

Peak SAR (extrapolated) = 0.378 W/kg

SAR(1 g) = 0.289 mW/g; SAR(10 g) = 0.210 mW/g



0 dB = 0.300mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 835 Brain ($\sigma = 0.89$ mho/m, $\epsilon_r = 41.36$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 03-03-2008; Ambient Temp: 23.2°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3561; ConvF(8.38, 8.38, 8.38); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114

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

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

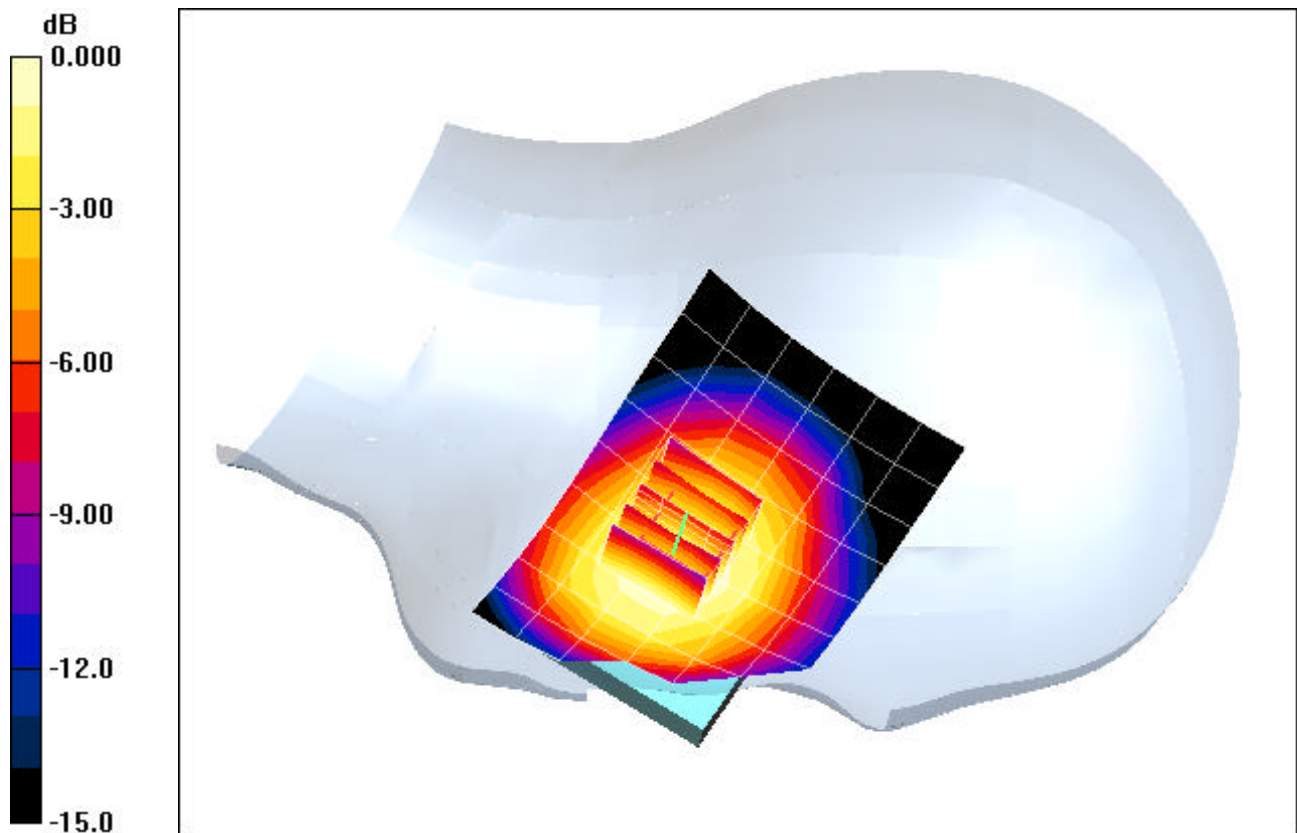
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 8.11 V/m

Peak SAR (extrapolated) = 0.853 W/kg

SAR(1 g) = 0.672 mW/g; SAR(10 g) = 0.498 mW/g



0 dB = 0.700mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 835 Brain ($\sigma = 0.89$ mho/m, $\epsilon_r = 41.36$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 03-03-2008; Ambient Temp: 23.2°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3561; ConvF(8.38, 8.38, 8.38); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114

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

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

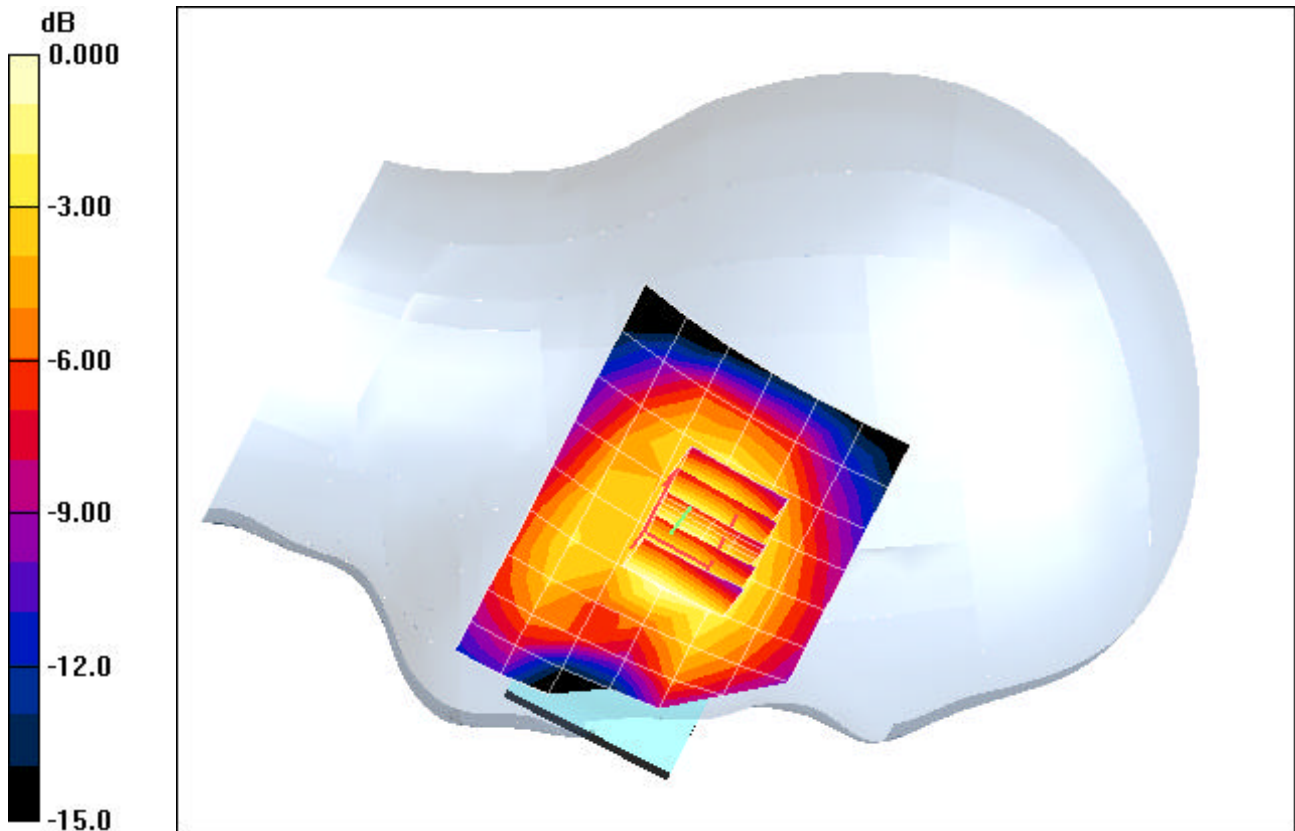
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 10.6 V/m

Peak SAR (extrapolated) = 0.377 W/kg

SAR(1 g) = 0.290 mW/g; SAR(10 g) = 0.209 mW/g



0 dB = 0.300mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 1900 Brain ($\sigma = 1.37$ mho/m, $\epsilon_r = 39.60$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 03-04-2008; Ambient Temp: 22.4°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN3561; ConvF(6.71, 6.71, 6.71); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

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

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

Mode: WCDMA1900, Right Head, Touch, Mid.ch

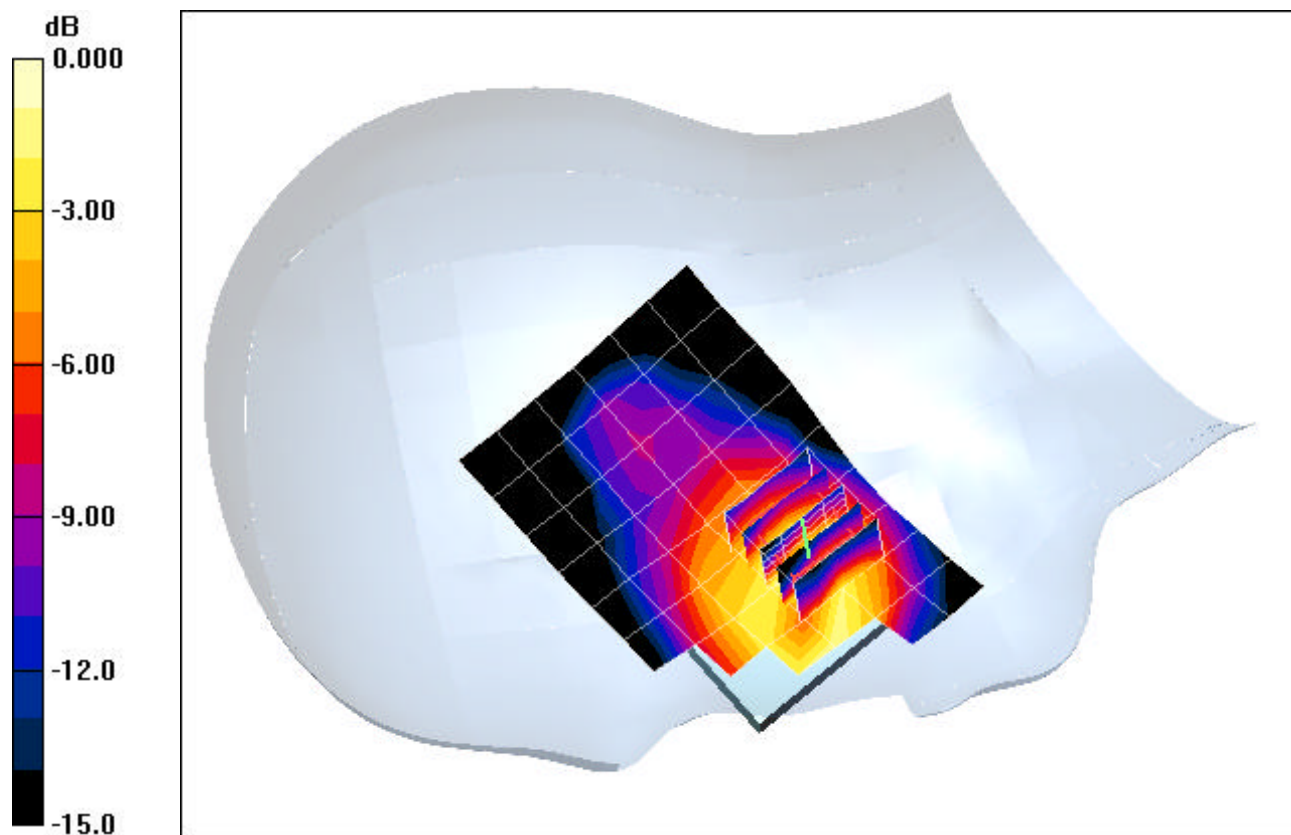
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 12.1 V/m

Peak SAR (extrapolated) = 2.13 W/kg

SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.724 mW/g



0 dB = 1.40mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 1900 Brain ($\sigma = 1.37$ mho/m, $\epsilon_r = 39.60$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 03-05-2008; Ambient Temp: 22.8°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3561; ConvF(6.71, 6.71, 6.71); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

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

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

Mode: WCDMA1900, Right Head, Tilt, Mid.ch

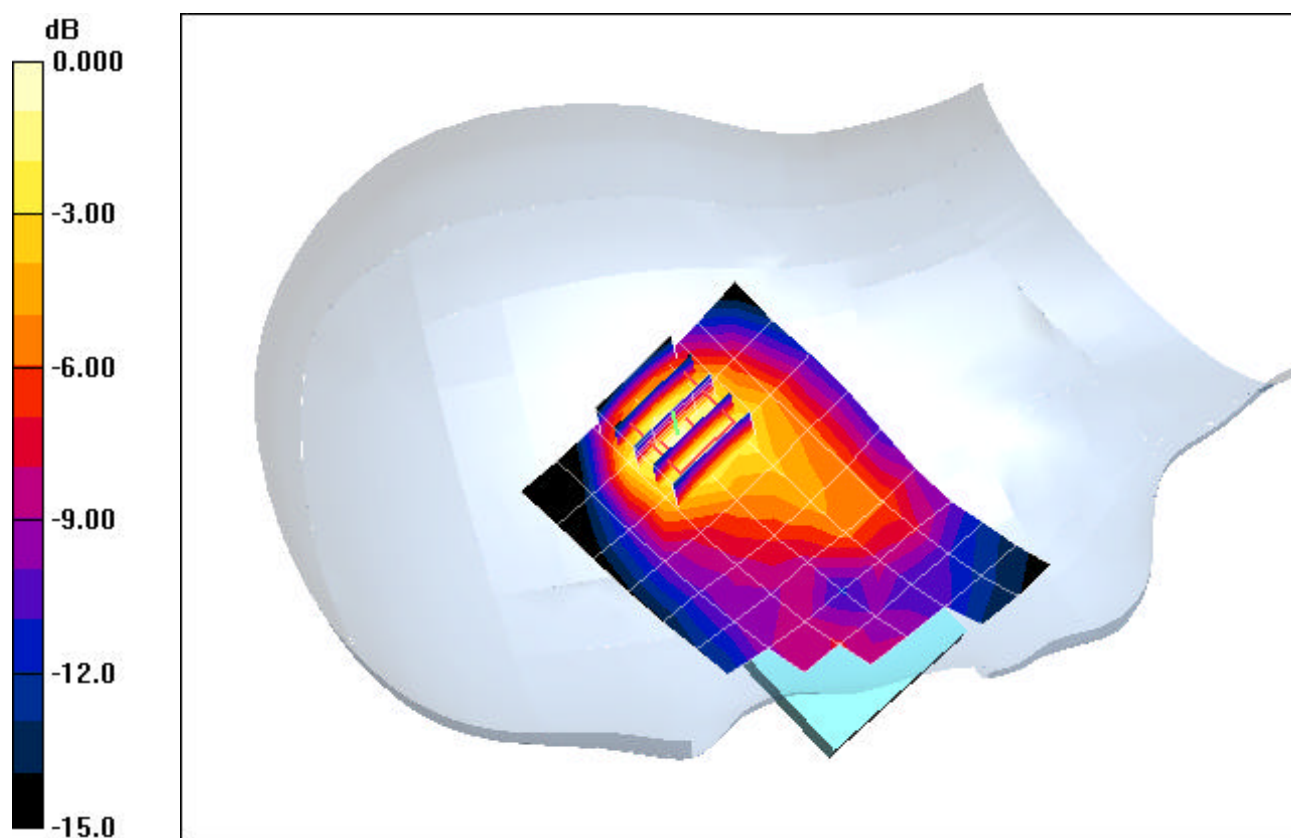
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 17.2 V/m

Peak SAR (extrapolated) = 0.566 W/kg

SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.206 mW/g



0 dB = 0.400mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 1900 Brain ($\sigma = 1.37$ mho/m, $\epsilon_r = 39.60$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 03-04-2008; Ambient Temp: 22.4°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN3561; ConvF(6.71, 6.71, 6.71); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

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

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

Mode: WCDMA1900, Left Head, Touch, Mid.ch

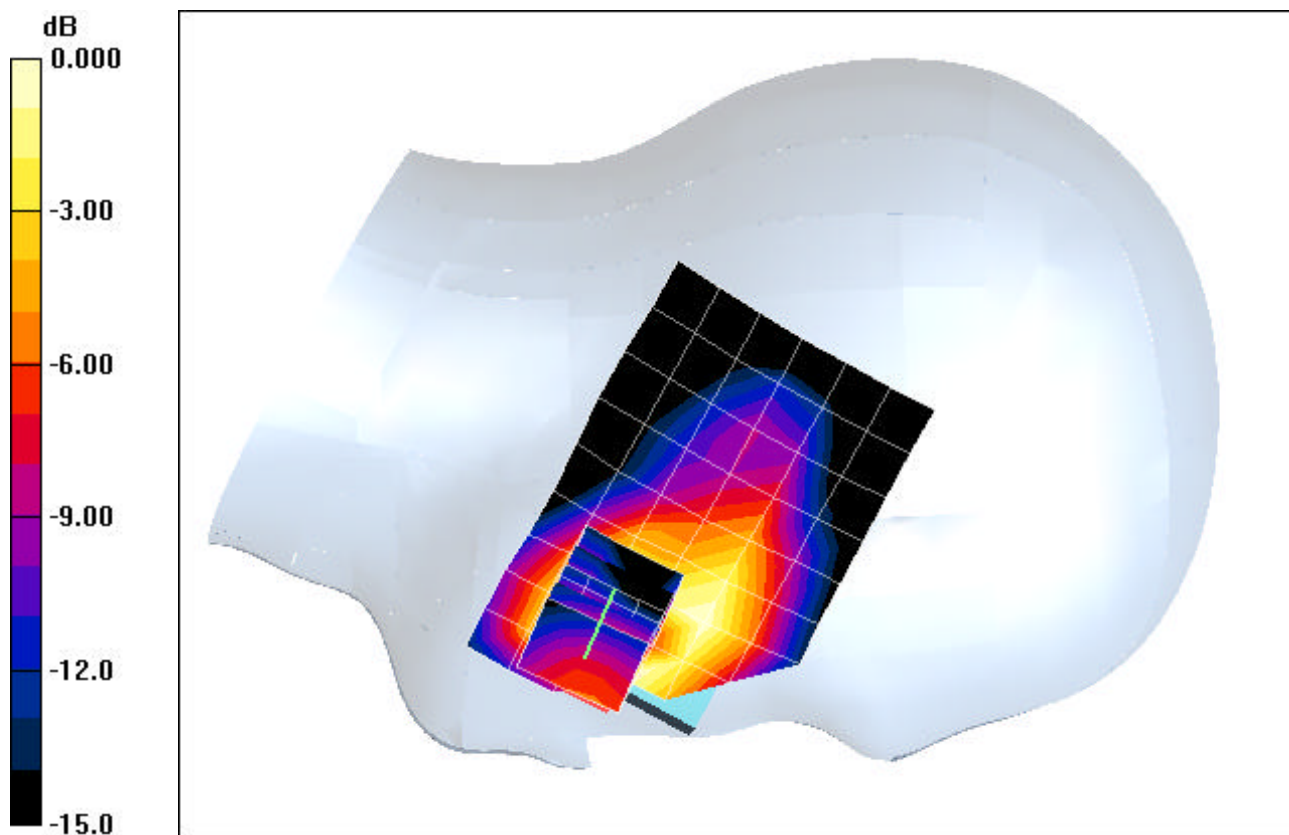
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 8.56 V/m

Peak SAR (extrapolated) = 1.89 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.527 mW/g



0 dB = 1.10mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 1900 Brain ($\sigma = 1.37$ mho/m, $\epsilon_r = 39.60$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 03-04-2008; Ambient Temp: 22.4°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN3561; ConvF(6.71, 6.71, 6.71); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

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

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

Mode: WCDMA1900, Left Head, Tilt, Mid.ch

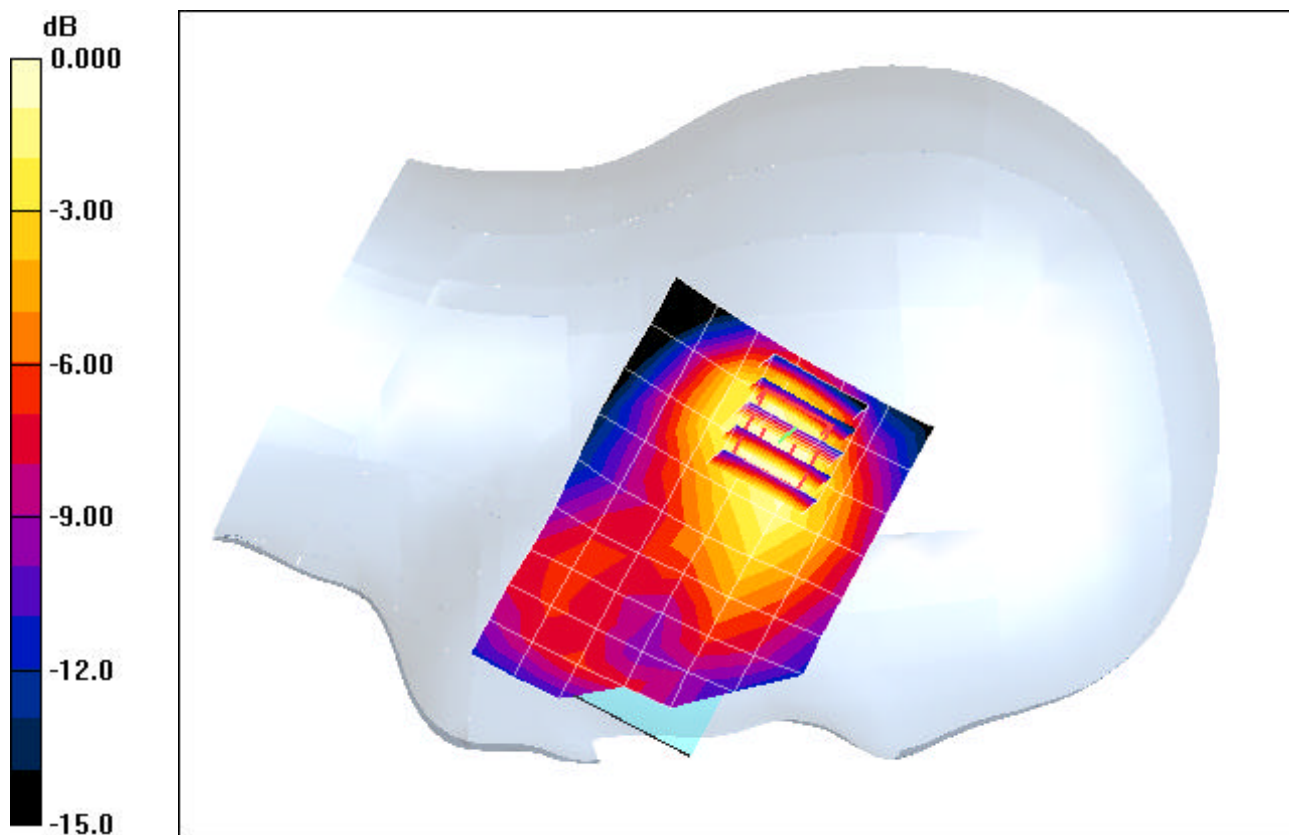
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 14.9 V/m

Peak SAR (extrapolated) = 0.453 W/kg

SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.182 mW/g



0 dB = 0.300mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 835 Muscle ($\sigma = 0.94$ mho/m, $\epsilon_r = 57.60$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 2.0 cm

Date: 03-06-2008; Ambient Temp: 23.1 °C; Tissue Temp: 21.3 °C

Probe: EX3DV4 - SN3561; ConvF(8.27, 8.27, 8.27); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114

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

Mode: GSM850, Body SAR, Back side, Mid.ch

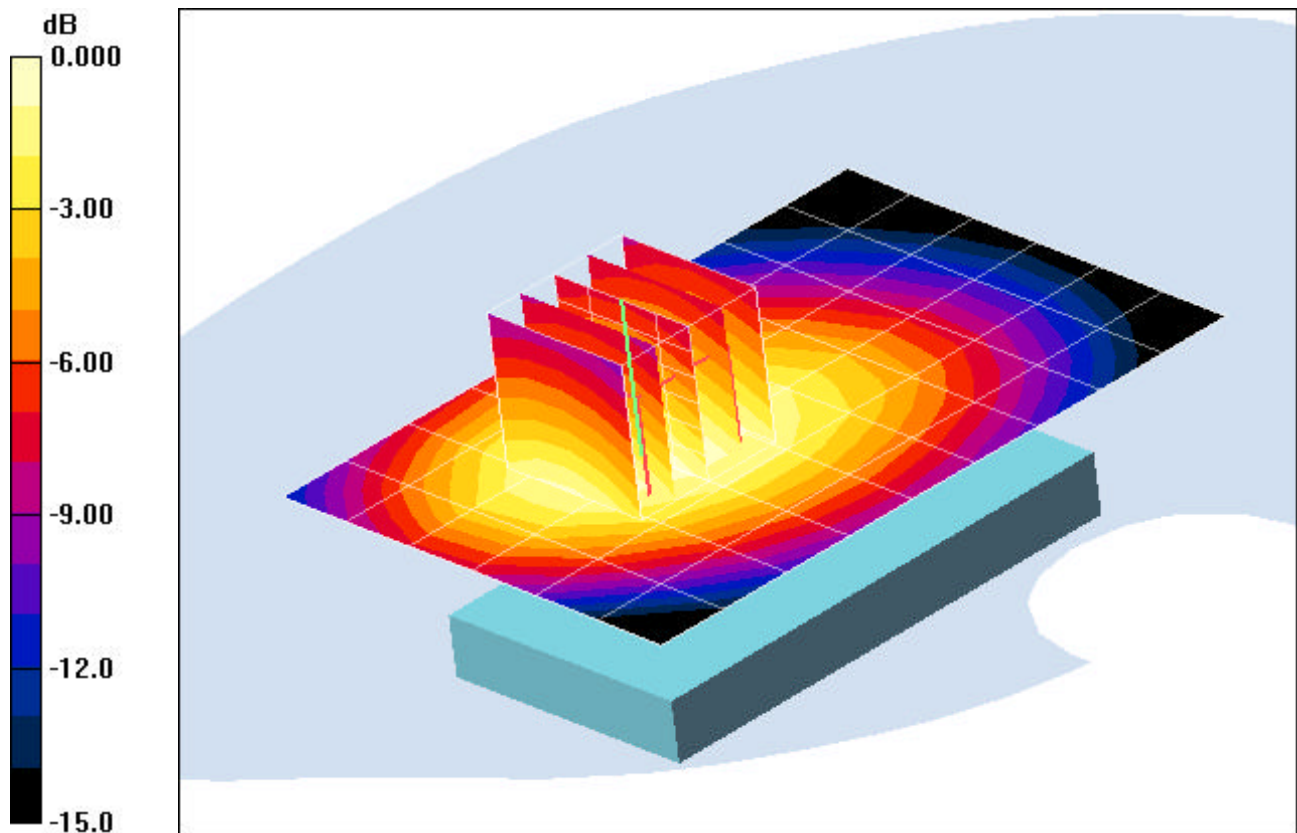
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 26.7 V/m

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.807 mW/g; SAR(10 g) = 0.583 mW/g



0 dB = 0.900mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 835 Muscle ($\sigma = 0.94$ mho/m, $\epsilon_r = 57.60$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 2.0 cm

Test Date: 03-06-2008; Ambient Temp: 23.1°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3561; ConvF(8.27, 8.27, 8.27); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114

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

Mode: GSM850, Body SAR, Front side, Mid.ch

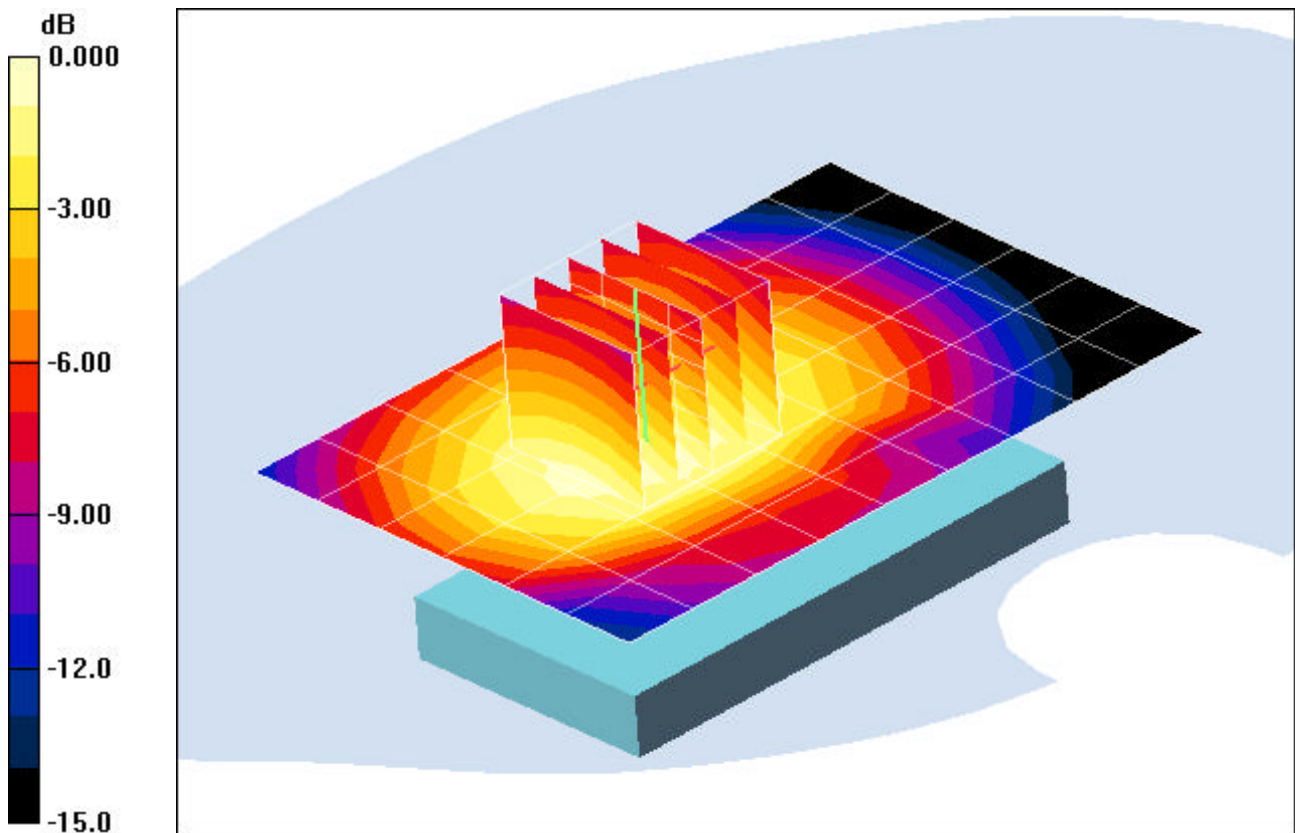
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 24.2 V/m

Peak SAR (extrapolated) = 0.809 W/kg

SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.461 mW/g



0 dB = 0.700mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 1900 Muscle ($\sigma = 1.58 \text{ mho/m}$, $\epsilon_r = 55.07$, $\rho = 1000 \text{ kg/m}^3$)

Phantom section: Flat Section; Space: 2.0 cm

Test Date: 03-05-2008; Ambient Temp: 22.7°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN3561; ConvF(6.6, 6.6, 6.6); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

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

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

Mode: GSM1900, Body SAR, Back side, Mid.ch

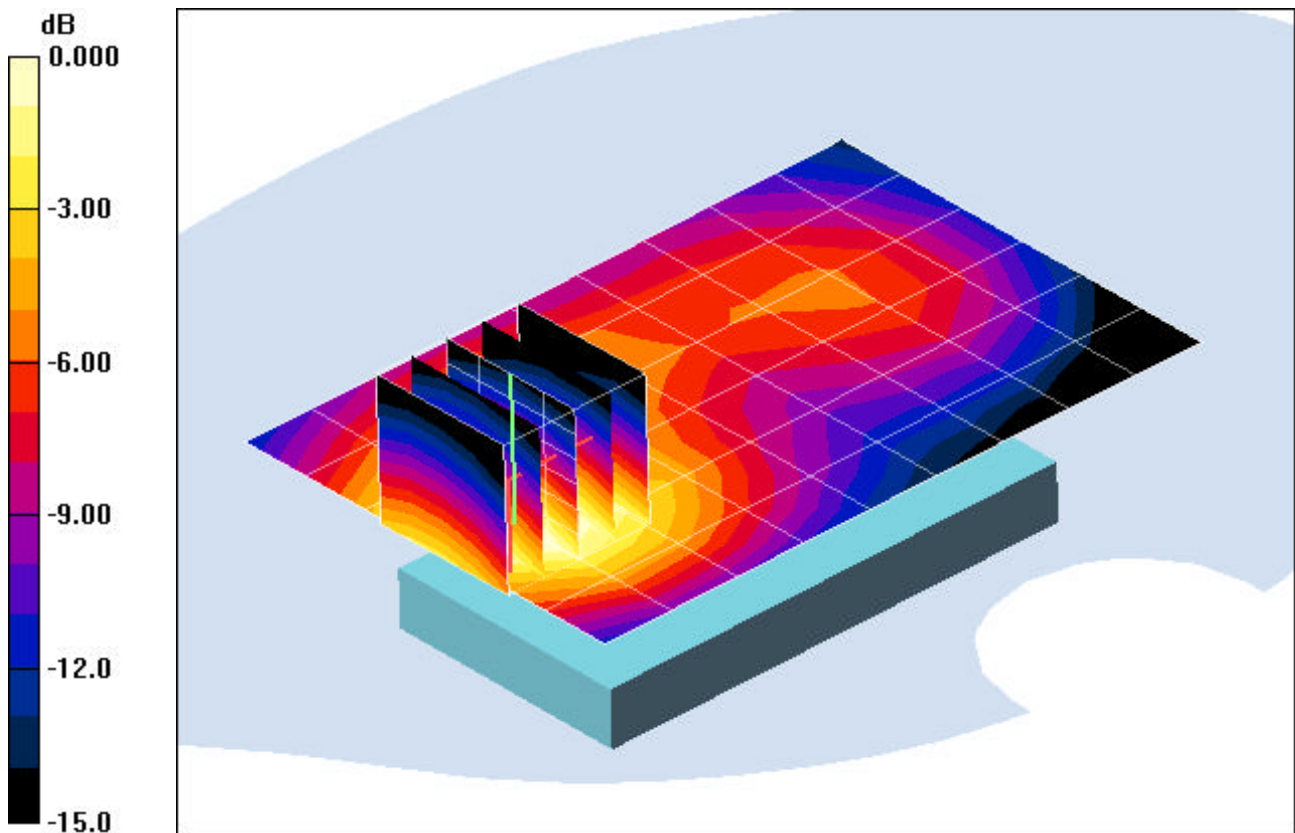
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 8.03 V/m

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.672 mW/g; SAR(10 g) = 0.363 mW/g



0 dB = 0.700mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 1900 Muscle ($\sigma = 1.58$ mho/m, $\epsilon_r = 55.07$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 2.0 cm

Test Date: 03-05-2008; Ambient Temp: 22.7°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN3561; ConvF(6.6, 6.6, 6.6); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

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

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

Mode: GSM1900, Body SAR, Front side, Mid.ch

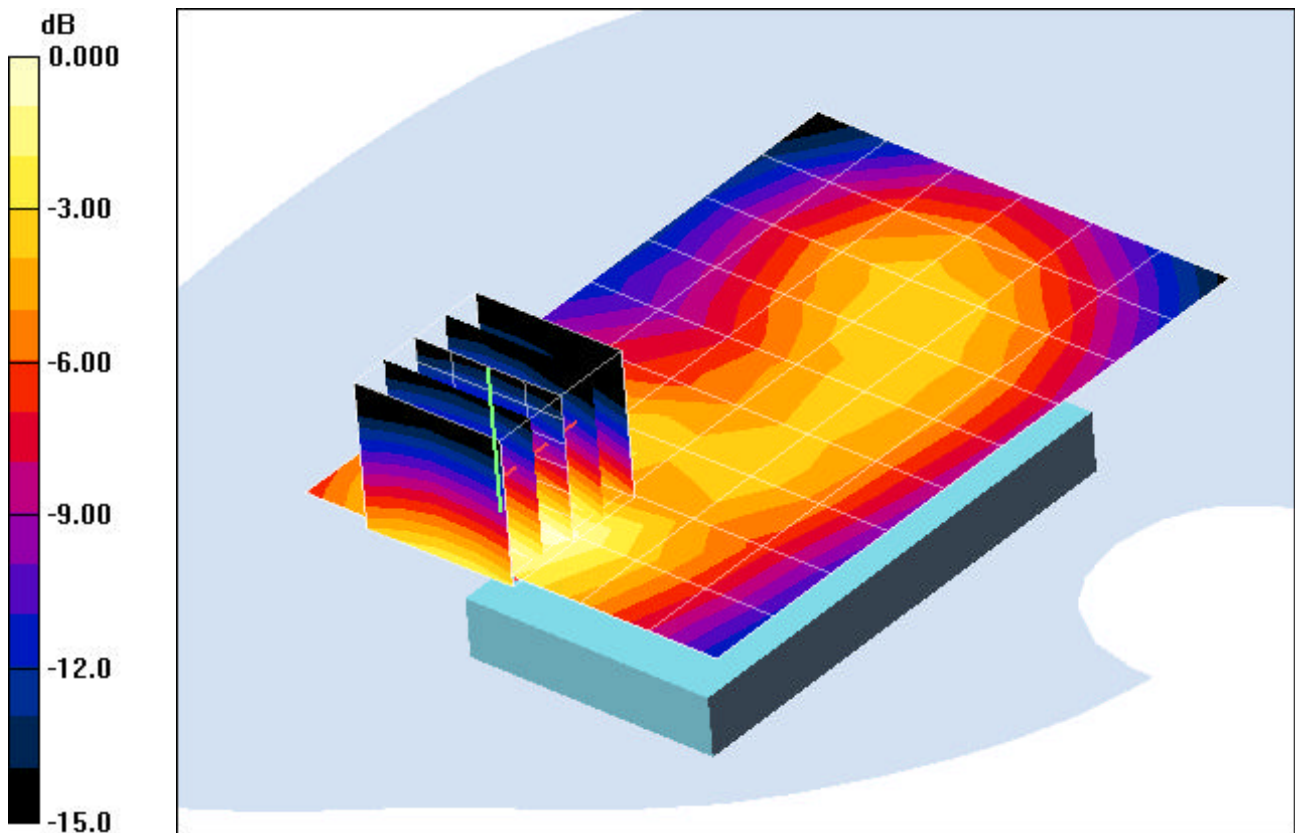
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 8.42 V/m

Peak SAR (extrapolated) = 0.635 W/kg

SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.197 mW/g



0 dB = 0.400mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 835 Muscle ($\sigma = 0.94$ mho/m, $\epsilon_r = 57.60$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 2.0 cm

Test Date: 03-06-2008; Ambient Temp: 23.1°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3561; ConvF(8.27, 8.27, 8.27); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114

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

Mode: WCDMA850, Body SAR, Back side, Mid.ch

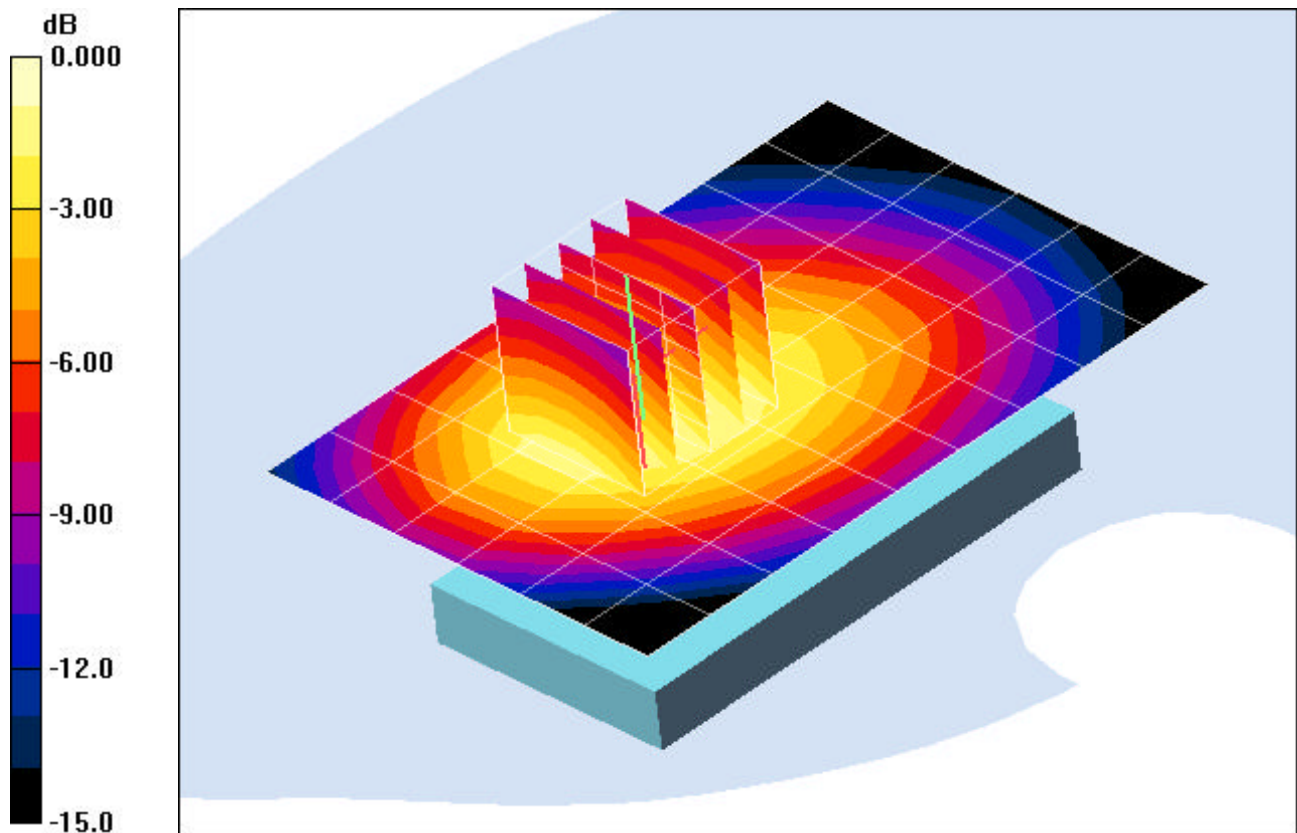
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 17.4 V/m

Peak SAR (extrapolated) = 0.430 W/kg

SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.232 mW/g



0 dB = 0.400mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 835 Muscle ($\sigma = 0.94$ mho/m, $\epsilon_r = 57.60$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 2.0 cm

Test Date: 03-06-2008; Ambient Temp: 23.1°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3561; ConvF(8.27, 8.27, 8.27); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114

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

Mode: WCDMA850, Body SAR, Front side, Mid.ch

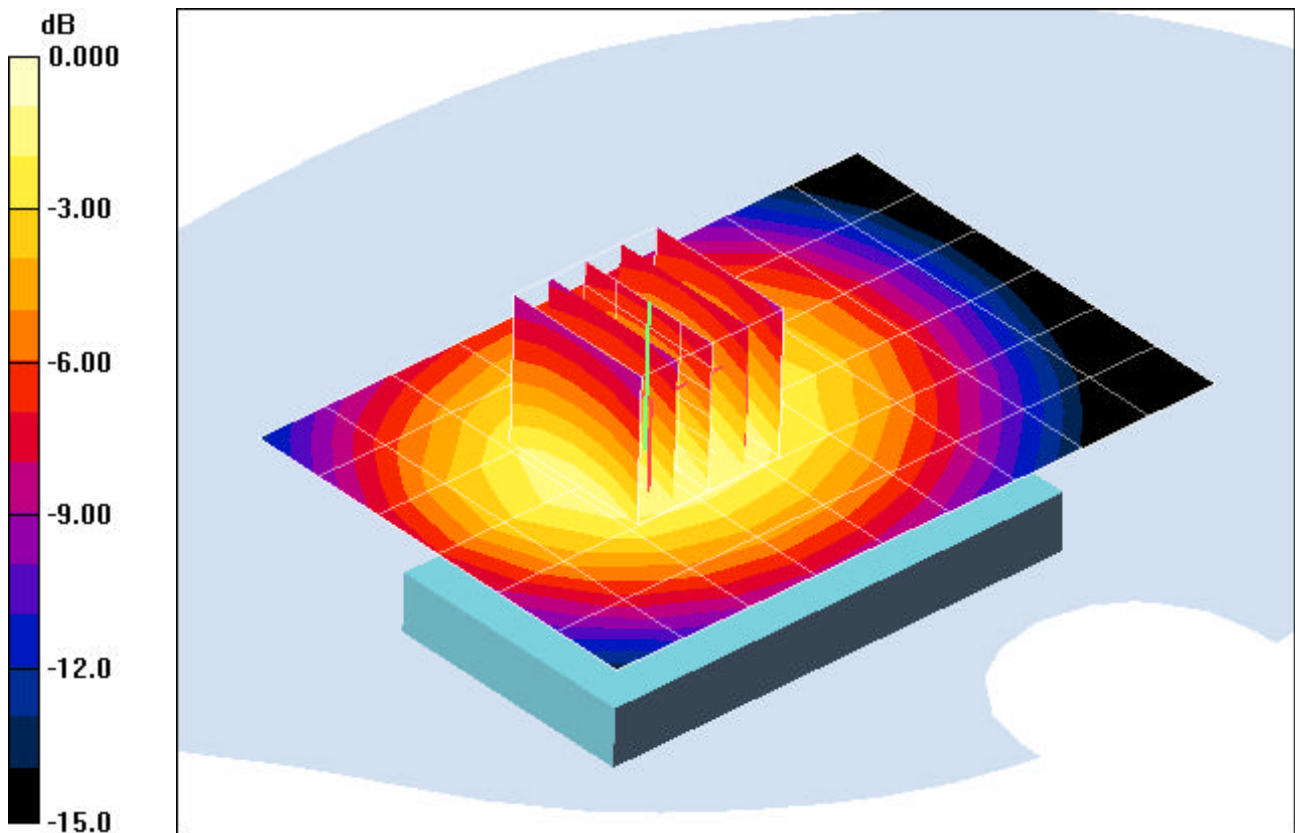
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 15.3 V/m

Peak SAR (extrapolated) = 0.314 W/kg

SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.180 mW/g



0 dB = 0.300mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 1900 Muscle ($\sigma = 1.58$ mho/m, $\epsilon_r = 55.07$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 2.0 cm

Test Date: 03-05-2008; Ambient Temp: 22.7°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN3561; ConvF(6.6, 6.6, 6.6); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

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

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

Mode: WCDMA1900, Body SAR, Back side, Mid.ch

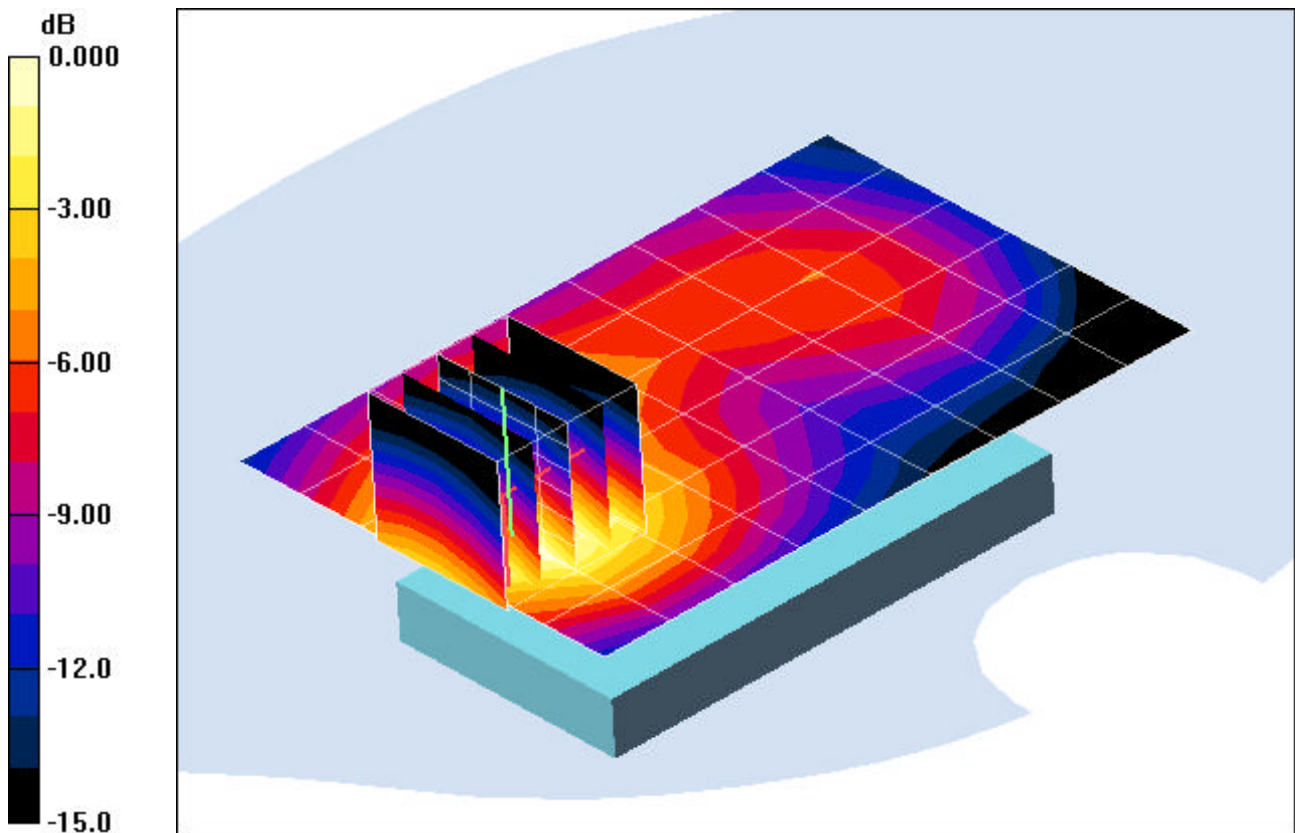
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 7.09 V/m

Peak SAR (extrapolated) = 0.920 W/kg

SAR(1 g) = 0.518 mW/g; SAR(10 g) = 0.280 mW/g



0 dB = 0.600mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 1900 Muscle ($\sigma = 1.58$ mho/m, $\epsilon_r = 55.07$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 2.0 cm

Test Date: 03-05-2008; Ambient Temp: 22.7°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN3561; ConvF(6.6, 6.6, 6.6); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

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

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

Mode: WCDMA1900, Body SAR, Front side, Mid.ch

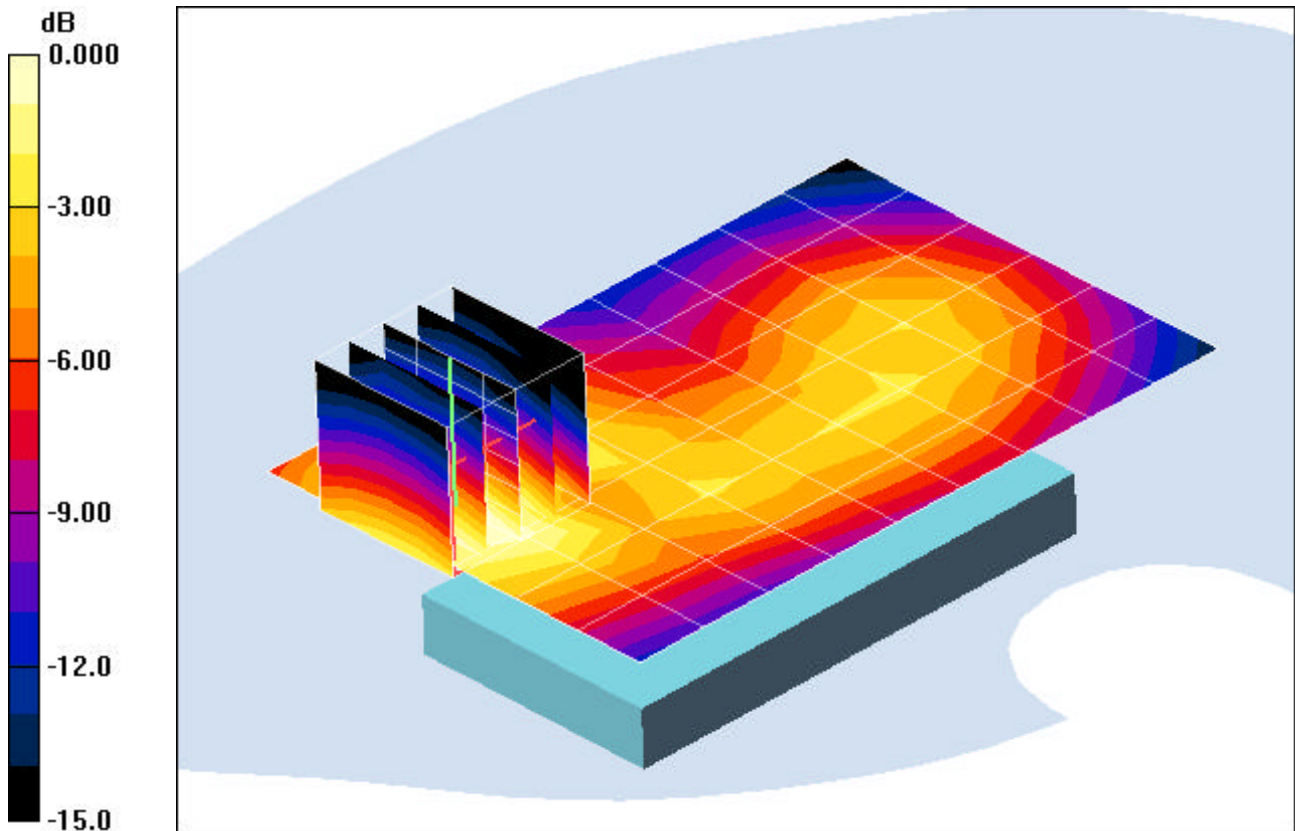
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 7.56 V/m

Peak SAR (extrapolated) = 0.502 W/kg

SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.155 mW/g



0 dB = 0.300mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 2450 Muscle ($\sigma = 1.91$ mho/m, $\epsilon_r = 51.38$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 2.0 cm

Test Date: 03-13-2008; Ambient Temp: 23.0°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN3561; ConvF(6.15, 6.15, 6.15); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

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

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

Mode: Bluetooth, Body SAR, Back side, Mid.ch

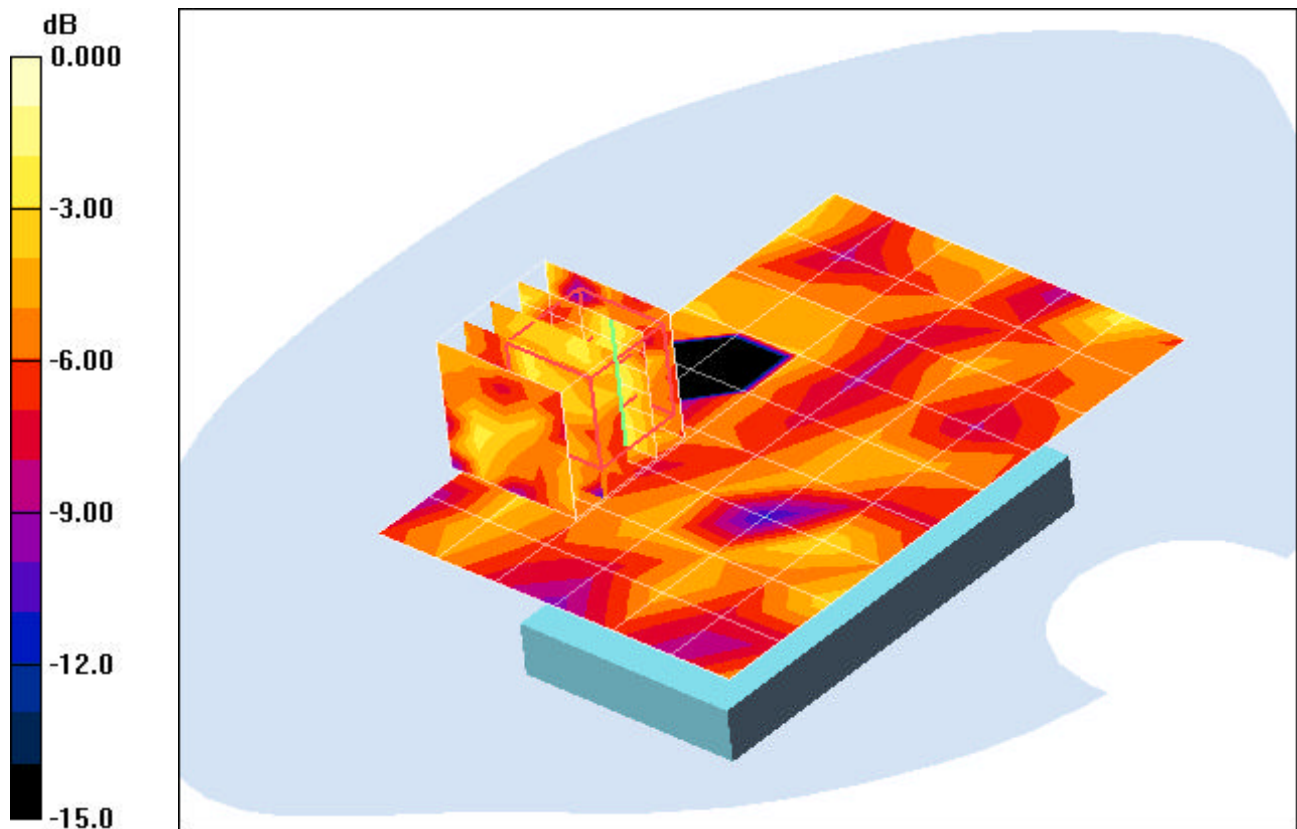
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 1.20 V/m

Peak SAR (extrapolated) = 0.007 W/kg

SAR(1 g) = 0.006 mW/g; SAR(10 g) = 0.004 mW/g



0 dB = 0.010mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 835 Brain ($\sigma = 0.89$ mho/m, $\epsilon_r = 41.36$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 03-03-2008; Ambient Temp: 23.2°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3561; ConvF(8.38, 8.38, 8.38); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114

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

Mode: GSM850, Left Head, Touch, Mid.ch

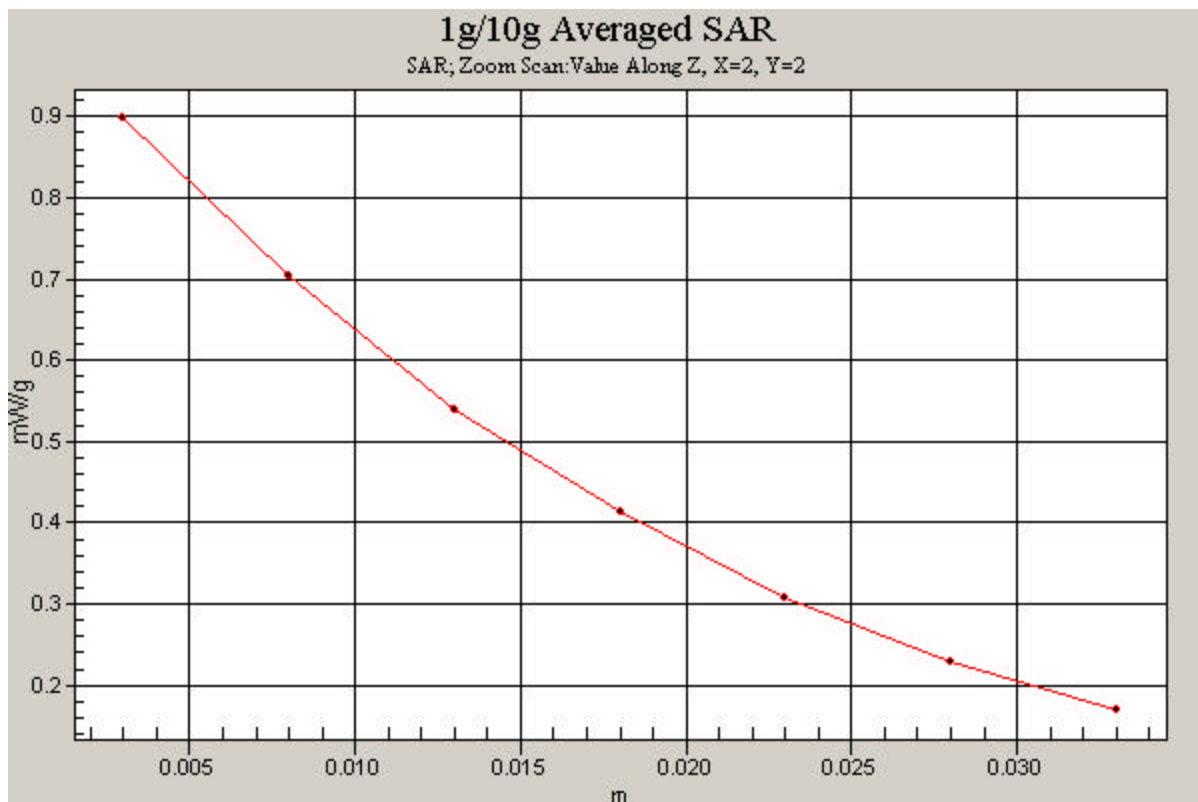
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 9.02 V/m

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.824 mW/g; SAR(10 g) = 0.605 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 1900 Brain ($\sigma = 1.37$ mho/m, $\epsilon_r = 39.60$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 03-04-2008; Ambient Temp: 22.4°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN3561; ConvF(6.71, 6.71, 6.71); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

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

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

Mode: WCDMA1900, Right Head, Touch, Mid.ch

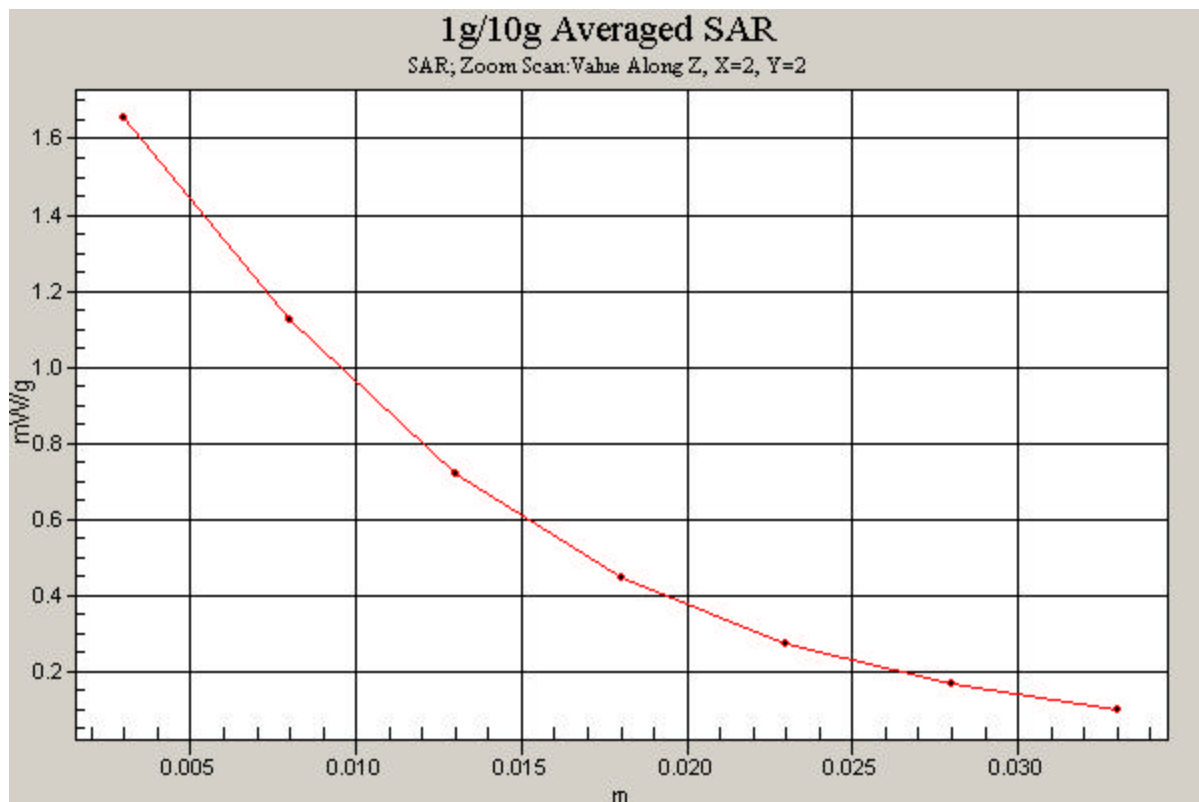
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 12.1 V/m

Peak SAR (extrapolated) = 2.13 W/kg

SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.724 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 835 Muscle ($\sigma = 0.94$ mho/m, $\epsilon_r = 57.60$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 2.0 cm

Test Date: 03-06-2008; Ambient Temp: 23.1°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3561; ConvF(8.27, 8.27, 8.27); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114

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

Mode: GSM850, Body SAR, Back side, Mid.ch

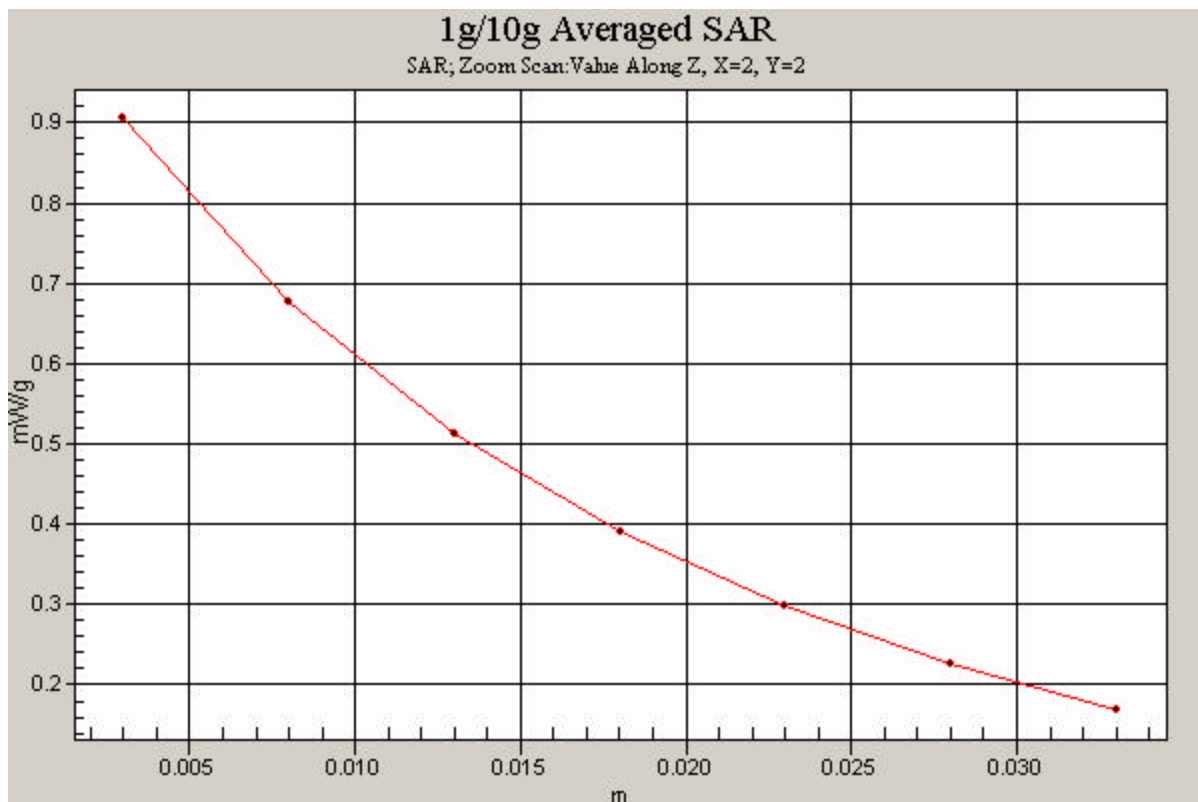
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 26.7 V/m

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.807 mW/g; SAR(10 g) = 0.583 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: CB630; Type: 850/1900 GSM/WCDMA Phone with Bluetooth; Serial: FCC2

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

Medium: 1900 Muscle ($\sigma = 1.58 \text{ mho/m}$, $\epsilon_r = 55.07$, $\rho = 1000 \text{ kg/m}^3$)

Phantom section: Flat Section; Space: 2.0 cm

Test Date: 03-05-2008; Ambient Temp: 22.7°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN3561; ConvF(6.6, 6.6, 6.6); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

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

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

Mode: GSM1900, Body SAR, Back side, Mid.ch

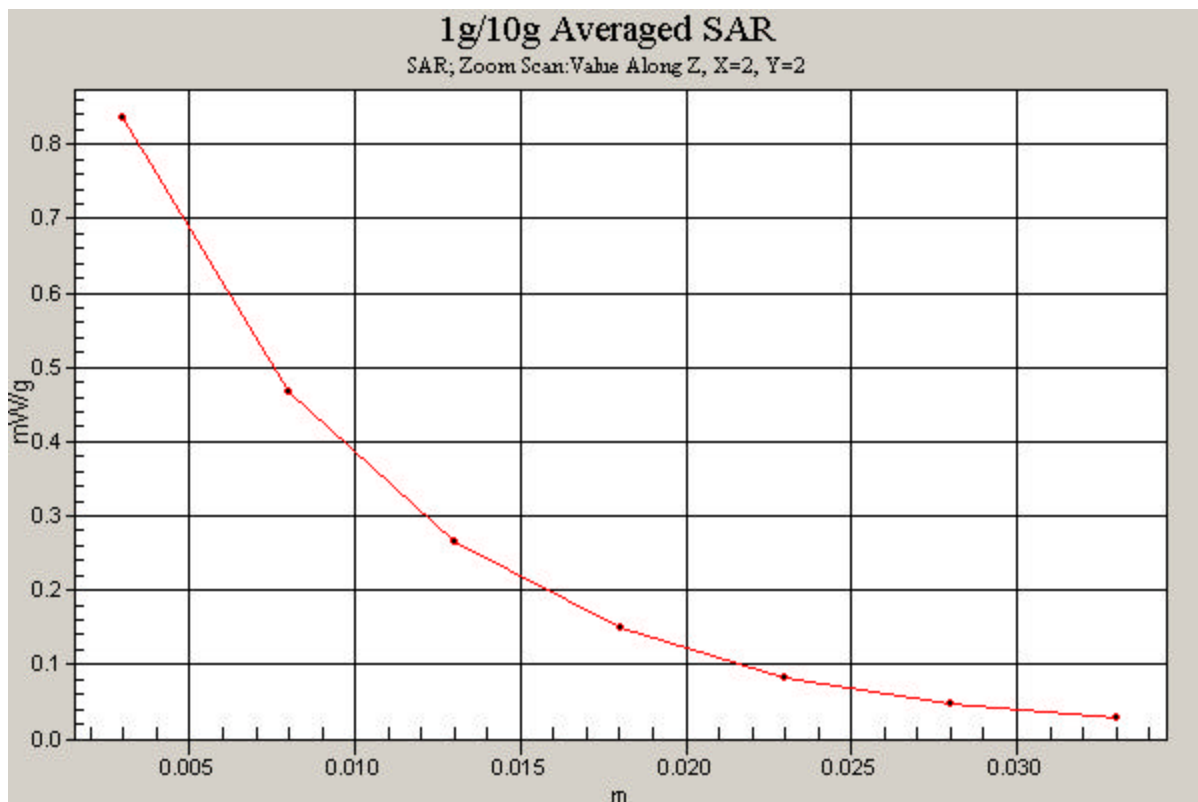
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 8.03 V/m

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.672 mW/g; SAR(10 g) = 0.363 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: D2450V2 - SN:797; Type: 2450MHz SAR Validation Dipole; Serial: 797

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450 Brain ($\sigma = 1.76$ mho/m, $\epsilon_r = 40.57$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 03-13-2008; Ambient Temp: 23.2°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3561; ConvF(6.26, 6.26, 6.26); Calibrated: 8/30/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/30/2008

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) = 5.18 mW/g; SAR(10 g) = 2.41 mW/g

Target SAR(1g) = 5.41 mW/g; Deviation = -4.25 %

