

PCTEST ENGINEERING LABORATORY, INC.

DUT: LGE Model: CG180; Type: 850/1900 GSM -GPRS Phone; Serial No: SAR #1

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

Medium: 835 Brain ($\sigma = 0.91$ mho/m, $\epsilon_r = 41.55$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 06-19-2007; Ambient Temp: 23.5°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN3561; ConvF(7.94, 7.94, 7.94); Calibrated: 11/23/2006

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/23/2007

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

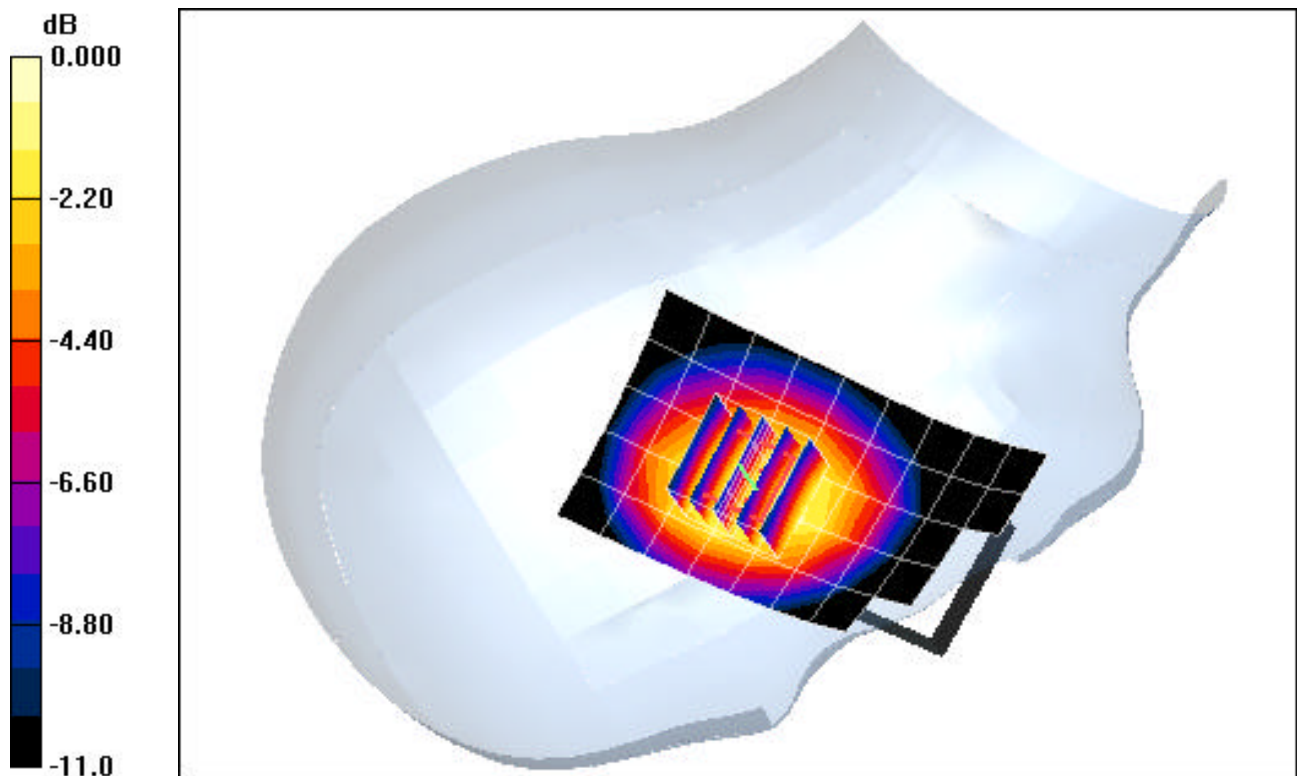
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 28.4 V/m dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.800 mW/g



0 dB = 1.33mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LGE Model: CG180; Type: 850/1900 GSM-GPRS Phone; Serial No: SAR #1

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

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Phantom section: Right Section

Test Date: 06-19-2007; Ambient Temp: 23.5°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN3561; ConvF(7.94, 7.94, 7.94); Calibrated: 11/23/2006

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/23/2007

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

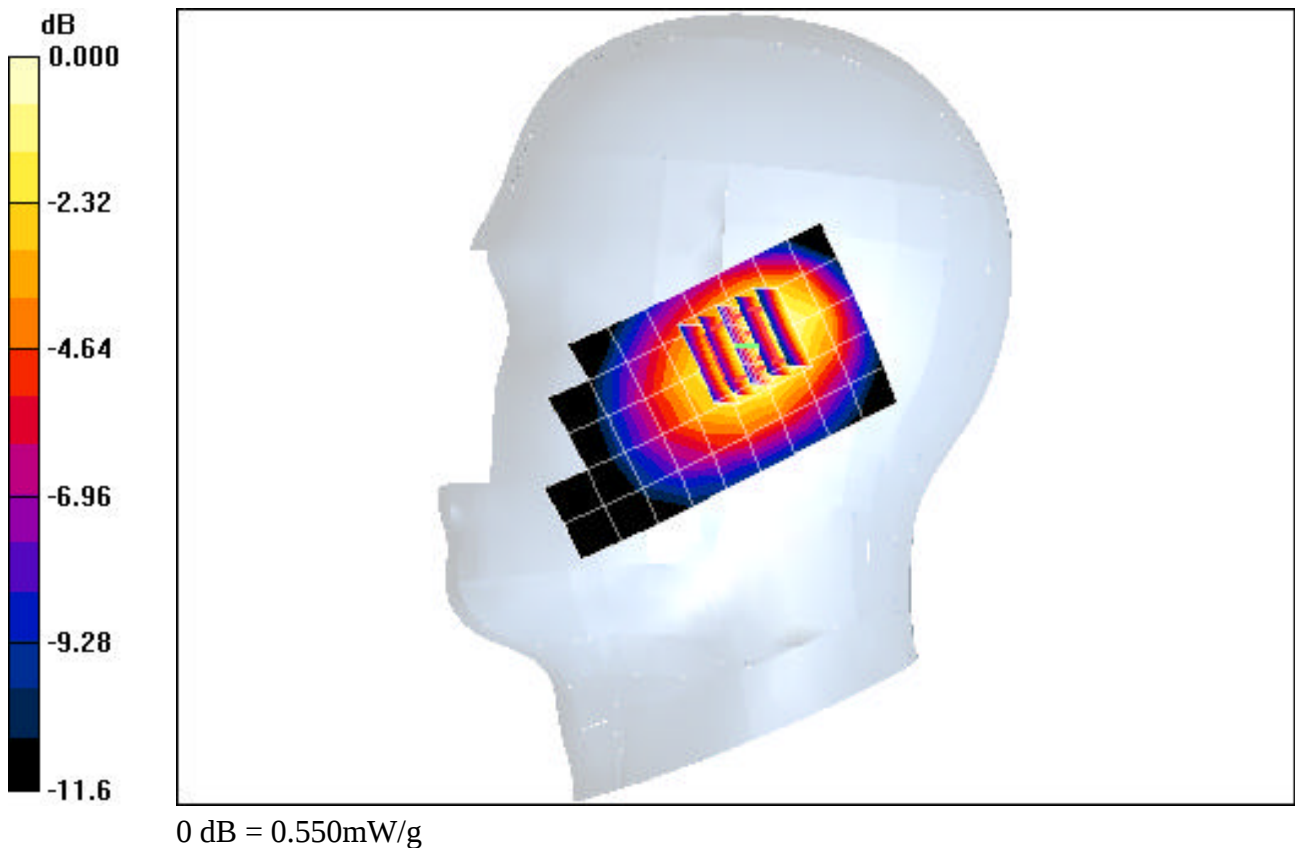
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 21.2 V/m

Peak SAR (extrapolated) = 0.644 W/kg

SAR(1 g) = 0.484 mW/g; SAR(10 g) = 0.333 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: LGE Model: CG180; Type: 850/1900 GSM-GPRS Phone; Serial No: SAR #1

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: 835 Brain ($\sigma = 0.91$ mho/m, $\epsilon_r = 41.55$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 06-19-2007; Ambient Temp: 23.5°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN3561; ConvF(7.94, 7.94, 7.94); Calibrated: 11/23/2006

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/23/2007

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, High.ch

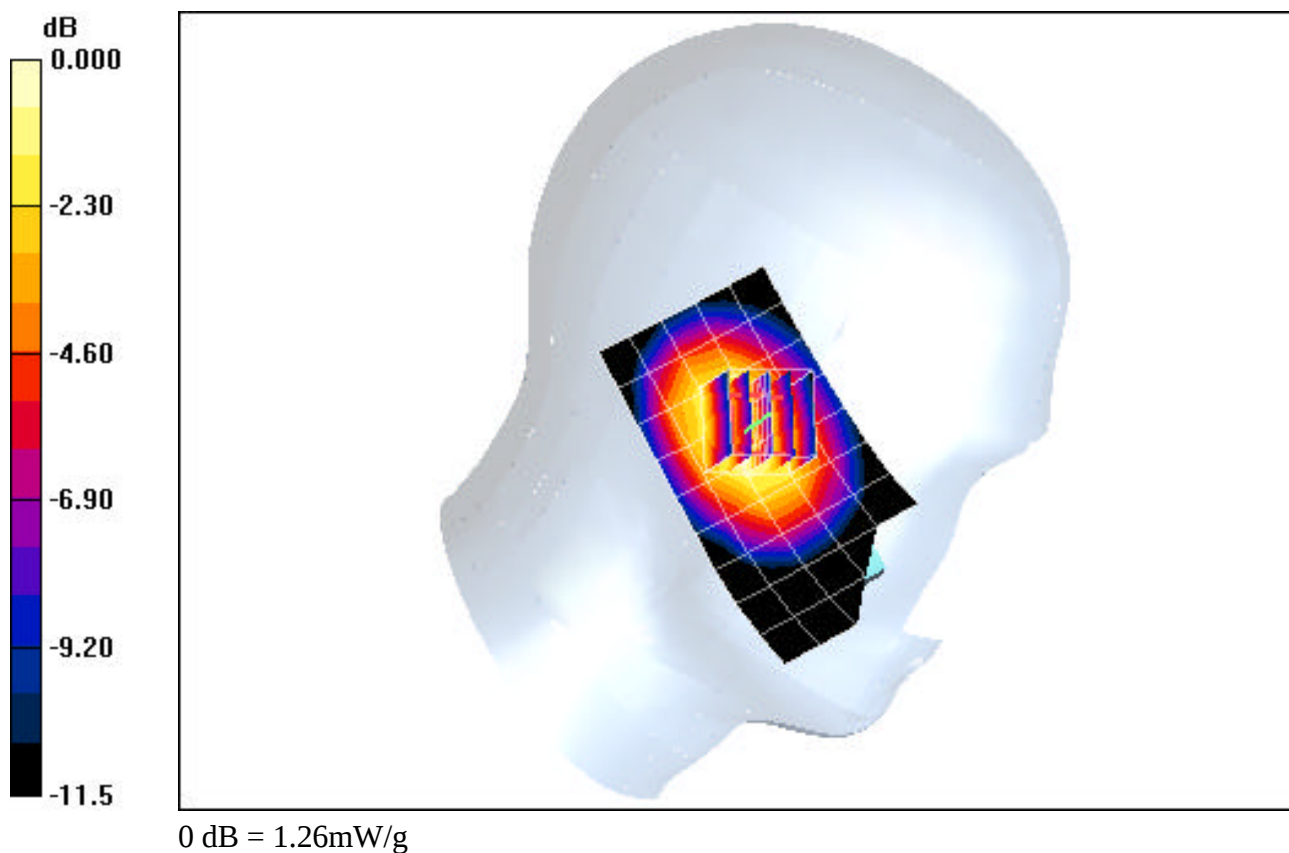
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 26.8 V/m

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.762 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: LGE Model: CG180; Type: 850/1900 GSM-GPRS Phone; Serial No: SAR #1

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

Medium: 835 Brain ($\sigma = 0.91$ mho/m, $\epsilon_r = 41.55$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 06-19-2007; Ambient Temp: 23.5°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN3561; ConvF(7.94, 7.94, 7.94); Calibrated: 11/23/2006

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/23/2007

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

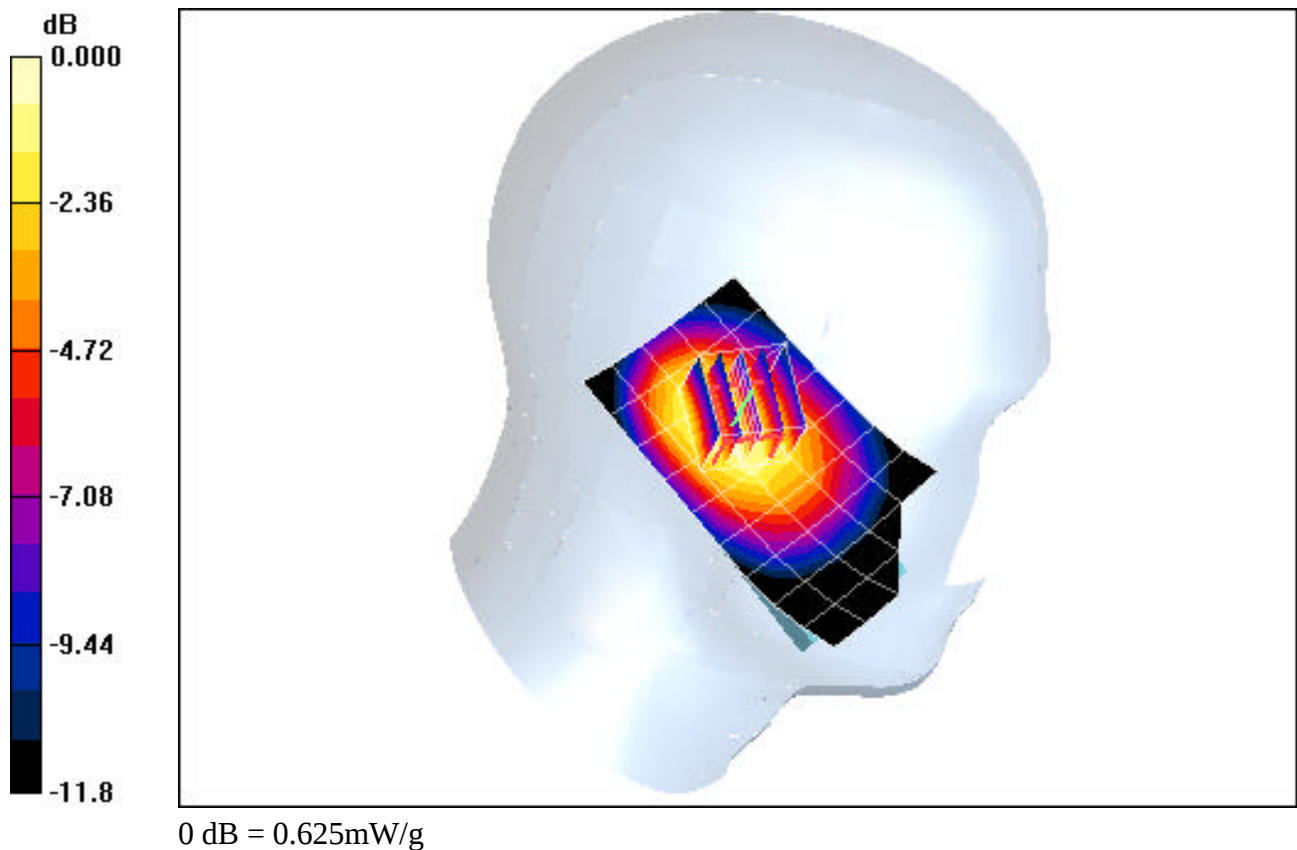
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 22.0 V/m

Peak SAR (extrapolated) = 0.738 W/kg

SAR(1 g) = 0.549 mW/g; SAR(10 g) = 0.377 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: LGE Model: CG180; Type: 850/1900 GSM-GPRS Phone; Serial No: SAR #1

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

Medium: 1900 Brain ($\sigma = 1.42$ mho/m, $\epsilon_r = 40.36$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 06-20-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3561; ConvF(6.99, 6.99, 6.99); Calibrated: 11/23/2006

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/23/2007

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: GSM1900, Right Head, Touch, Mid.ch

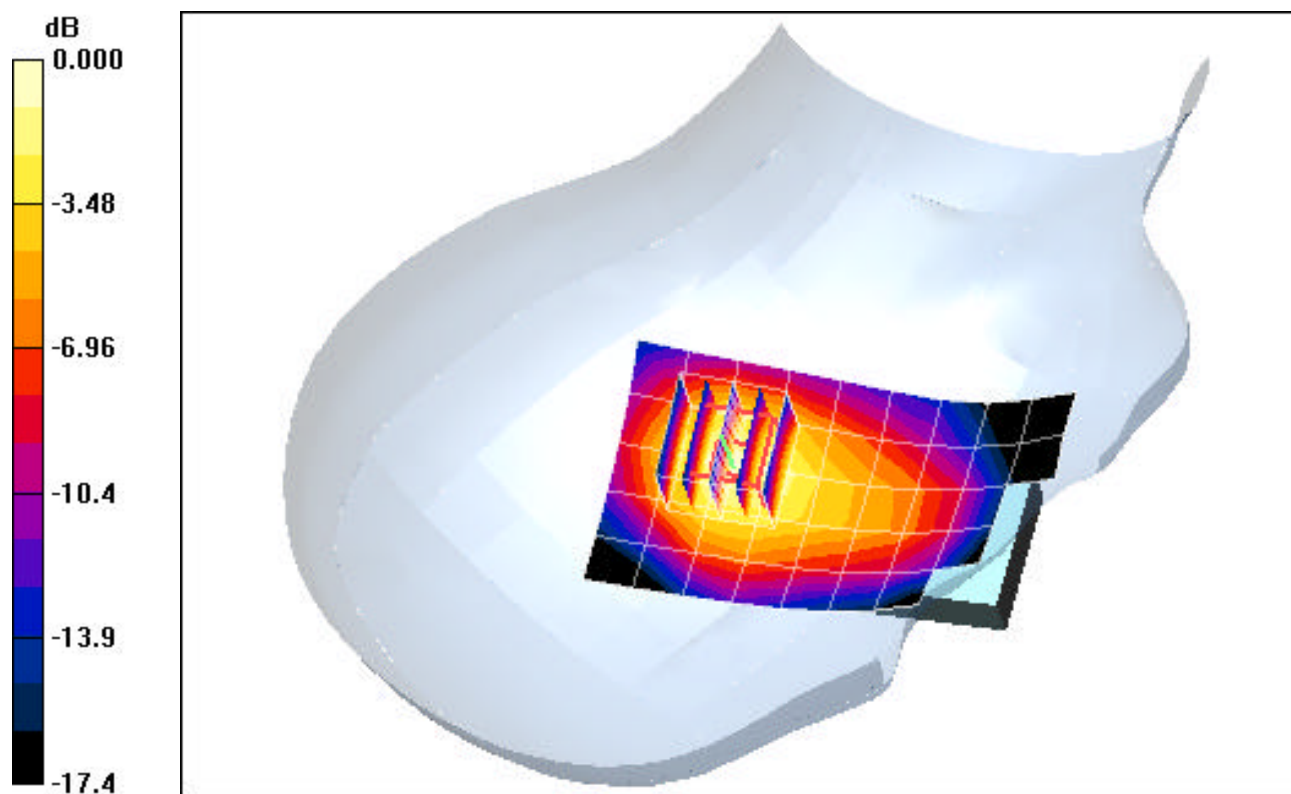
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 21.2 V/m

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 0.993 mW/g; SAR(10 g) = 0.568 mW/g



0 dB = 1.20mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LGE Model: CG180; Type: 850/1900 GSM-GPRS Phone; Serial No: SAR #1

Communication System: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 Brain ($\sigma = 1.42$ mho/m, $\epsilon_r = 40.36$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 06-20-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3561; ConvF(6.99, 6.99, 6.99); Calibrated: 11/23/2006

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/23/2007

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: GSM1900, Right Head, Tilt, High.ch

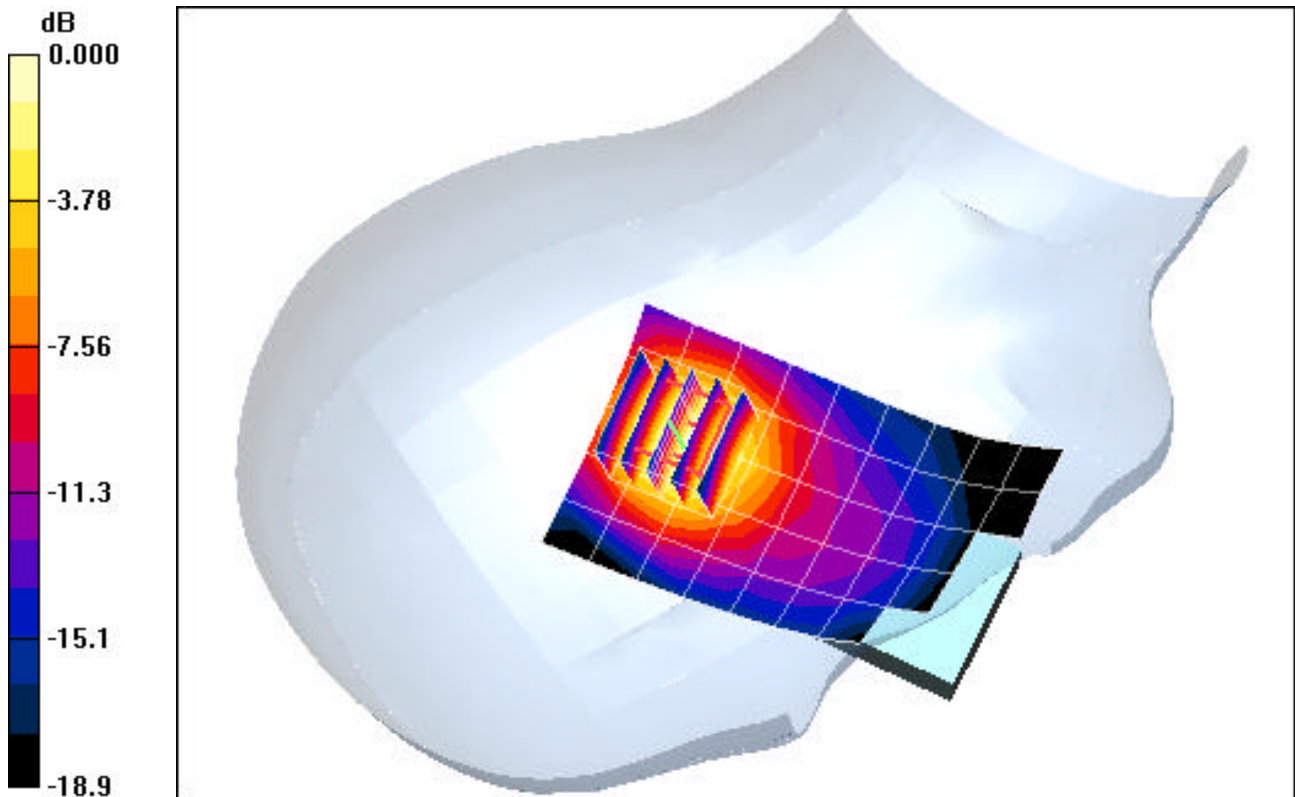
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 23.9 V/m

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.554 mW/g



0 dB = 1.27mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LGE Model: CG180; Type: 850/1900 GSM-GPRS Phone; Serial No: SAR #1

Communication System: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 Brain ($\sigma = 1.42$ mho/m, $\epsilon_r = 40.36$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 06-20-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3561; ConvF(6.99, 6.99, 6.99); Calibrated: 11/23/2006

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/23/2007

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: GSM1900, Left Head, Touch, High.ch

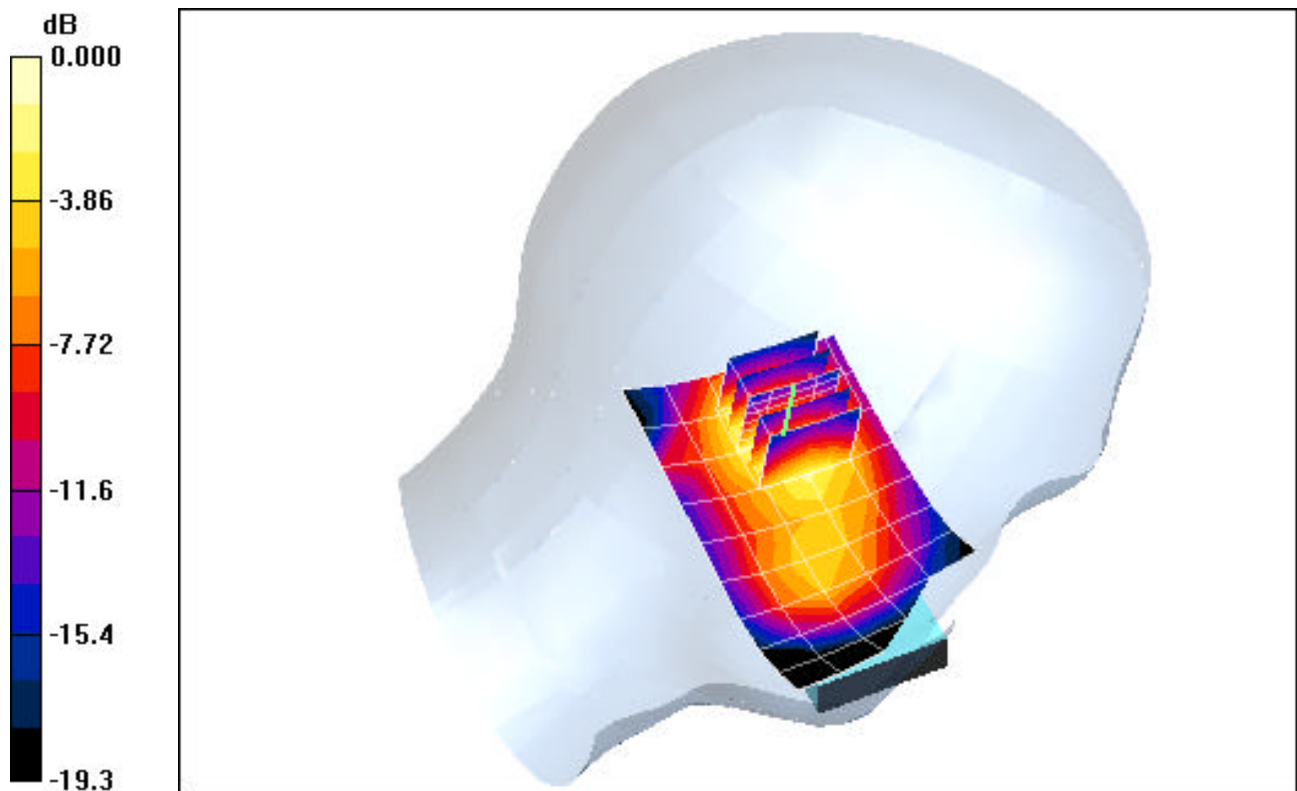
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 23.8 V/m

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.598 mW/g



0 dB = 1.30mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LGE Model: CG180; Type: 850/1900 GSM-GPRS Phone; Serial No: SAR #1

Communication System: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 Brain ($\sigma = 1.42$ mho/m, $\epsilon_r = 40.36$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 06-20-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3561; ConvF(6.99, 6.99, 6.99); Calibrated: 11/23/2006

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/23/2007

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: GSM1900, Left Head, Tilt, High.ch

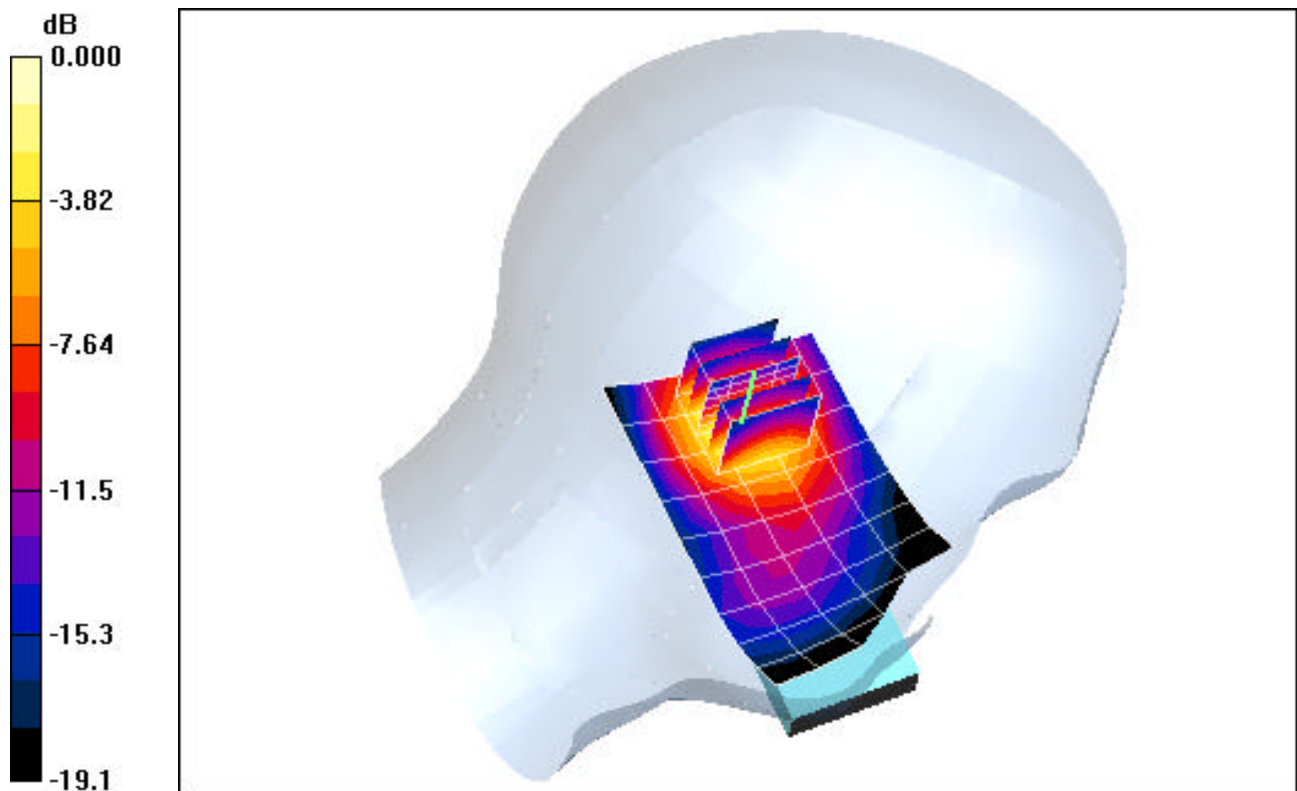
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 26.3 V/m

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.609 mW/g



0 dB = 1.39mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LGE Model: CG180; Type: 850/1900 GSM-GPRS Phone; Serial No: SAR #1

Communication System: GSM850 GPRS; 2 Tx slots; Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium: 835 Muscle ($\sigma = 0.99$ mho/m, $\epsilon_r = 55.06$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section: Space: 2.0 cm from DUT to Flat Phantom

Test Date: 06-21-2007; Ambient Temp: 23.8°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3561; ConvF(7.92, 7.92, 7.92); Calibrated: 11/23/2006

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/23/2007

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, No Beltclip, Back side, High.ch

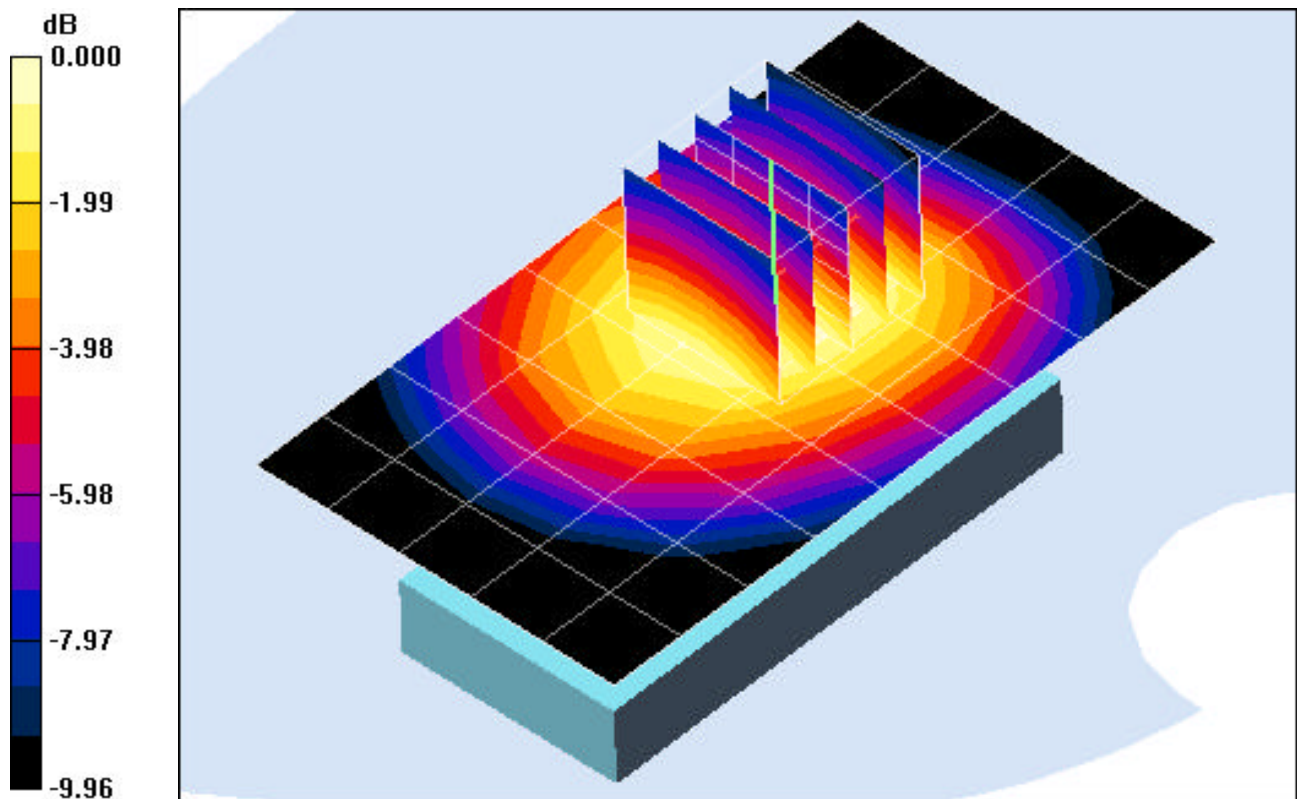
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 33.7 V/m

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.745 mW/g



0 dB = 1.16mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LGE Model: CG180; Type: 850/1900 GSM-GPRS Phone; Serial No: SAR #1

Communication System: GSM1900 GPRS; 2 Tx slots; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium: 1900 Muscle ($\sigma = 1.59$ mho/m, $\epsilon_r = 53.88$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 2.0 cm from DUT to Flat Phantom

Test Date: 06-22-2007; Ambient Temp: 23.8°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3561; ConvF(6.47, 6.47, 6.47); Calibrated: 11/23/2006

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/23/2007

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, No Beltclip, Back side, High.ch

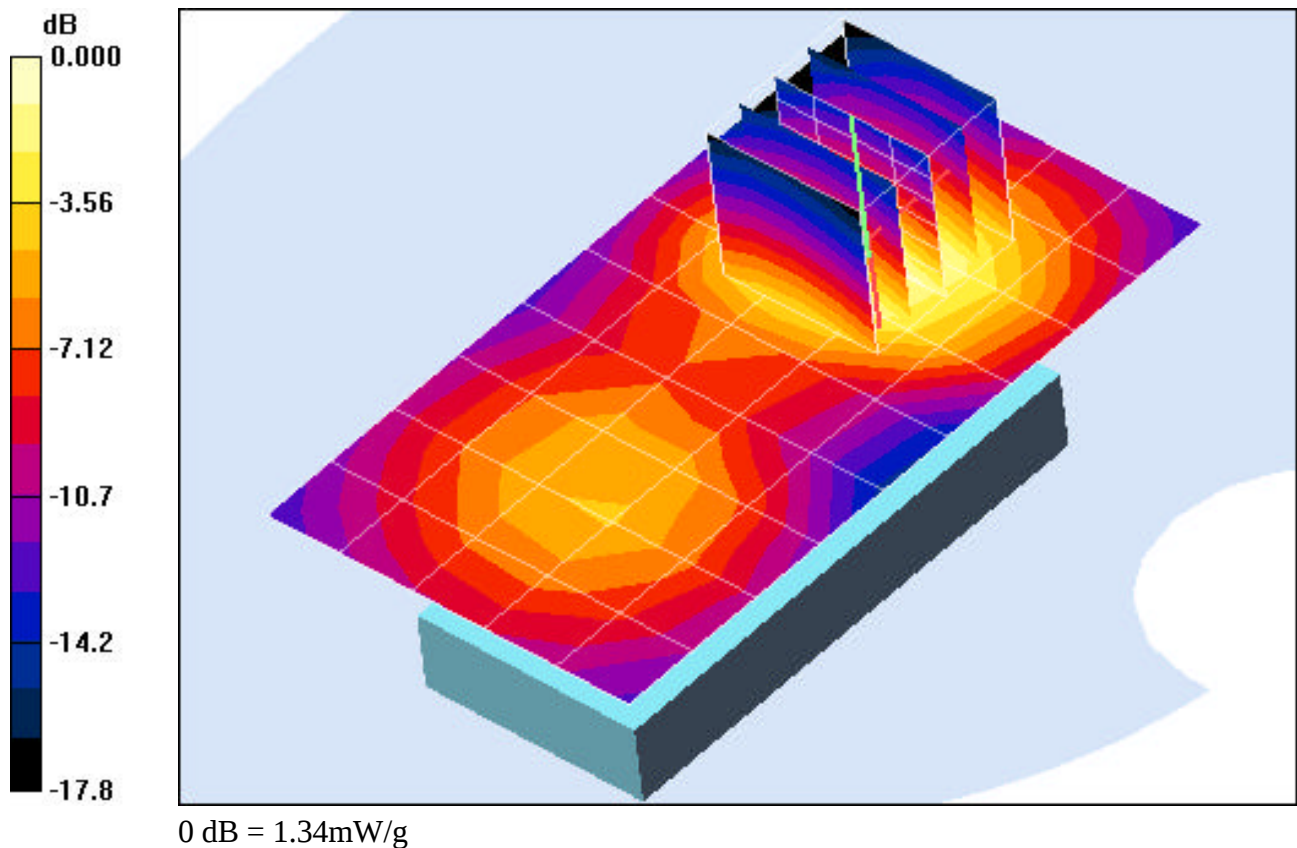
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 18.2 V/m

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.608 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: LG Model: CG180; Type: 850/1900 GSM-GPRS Phone; Serial No: SAR #1

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

Medium: 835 Brain ($\sigma = 0.91$ mho/m, $\epsilon_r = 41.55$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 06-19-2007; Ambient Temp: 23.5°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN3561; ConvF(7.94, 7.94, 7.94); Calibrated: 11/23/2006

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/23/2007

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

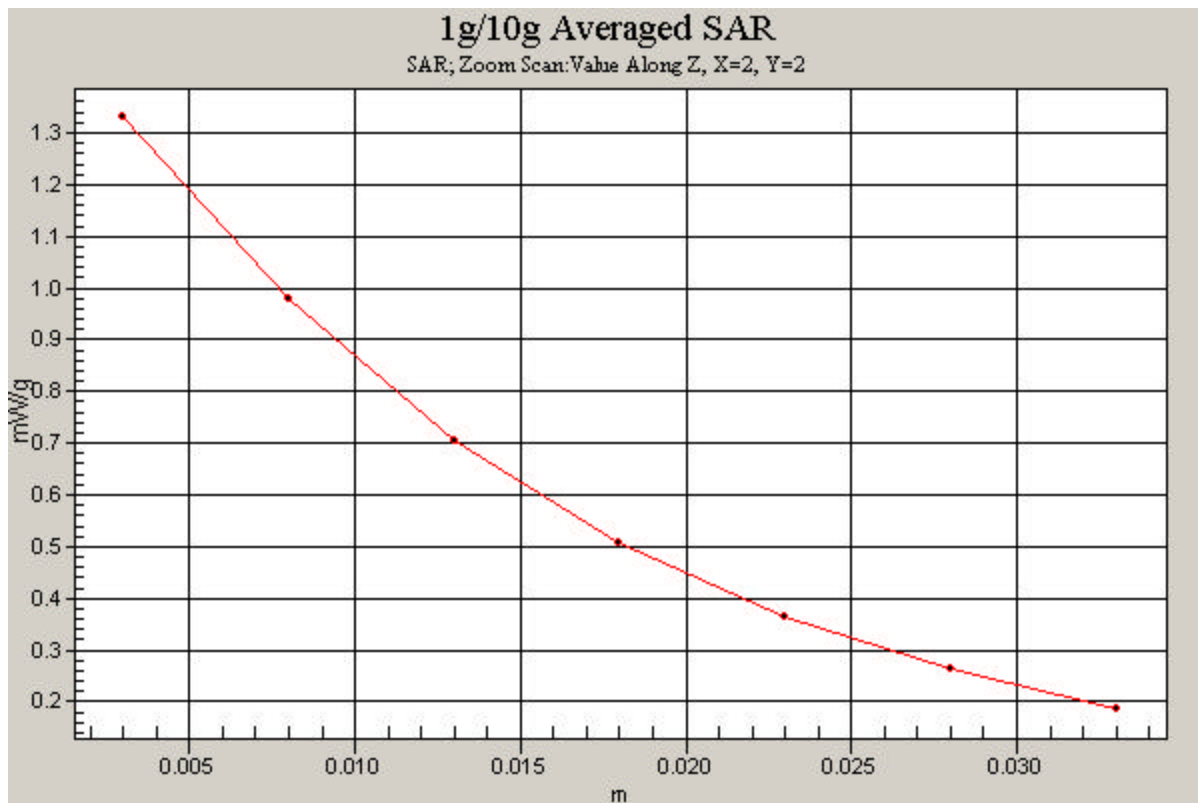
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 28.4 V/m

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.800 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: LGE Model: CG180; Type: 850/1900 GSM-GPRS Phone; Serial No: SAR #1

Communication System: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 Brain ($\sigma = 1.42$ mho/m, $\epsilon_r = 40.36$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 06-20-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3561; ConvF(6.99, 6.99, 6.99); Calibrated: 11/23/2006

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/23/2007

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

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

Left Head, Tilt, High.ch

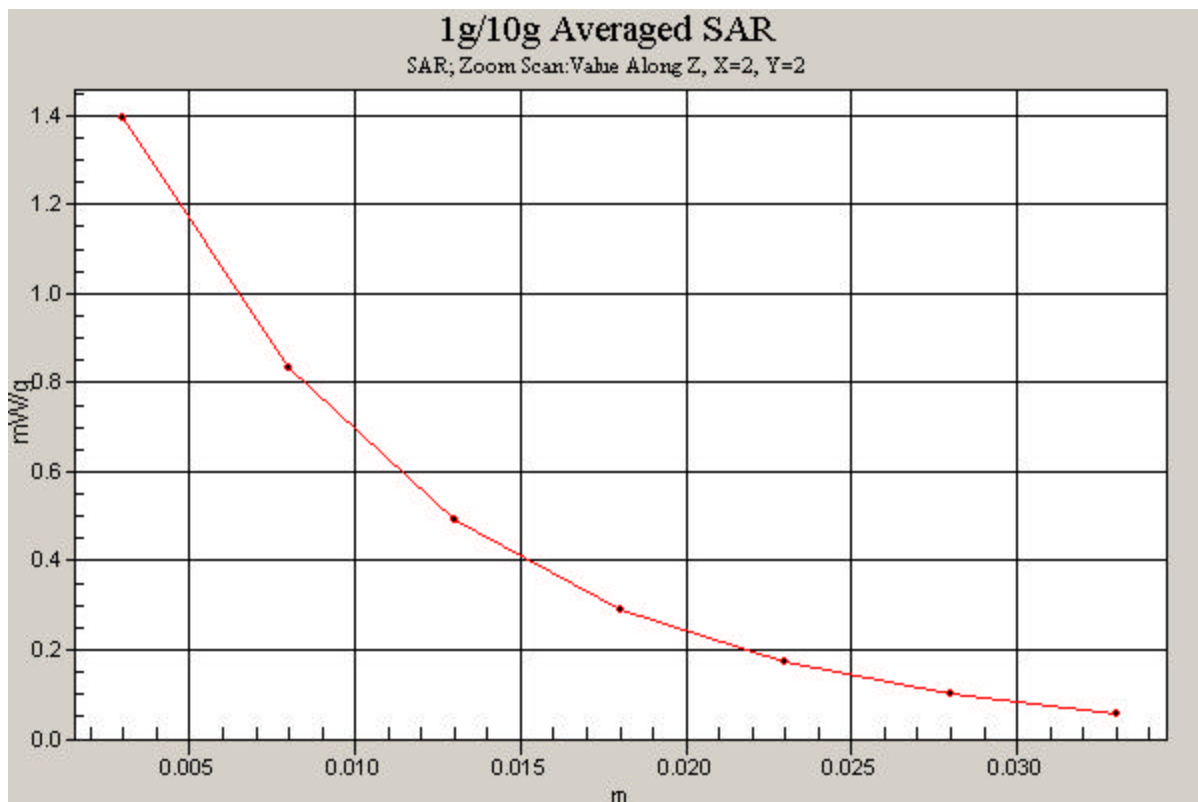
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 26.3 V/m

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.609 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: LGE Model: CG180; Type: 850/1900 GSM-GPRS Phone; Serial No: SAR #1

Communication System: GSM850 GPRS; 2 Tx slots; Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium: 835 Muscle ($\sigma = 0.99$ mho/m, $\epsilon_r = 55.06$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 2.0 cm from DUT to Flat Phantom

Test Date: 06-21-2007; Ambient Temp: 23.8°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3561; ConvF(7.92, 7.92, 7.92); Calibrated: 11/23/2006

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/23/2007

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, No Beltclip, Back side, High.ch

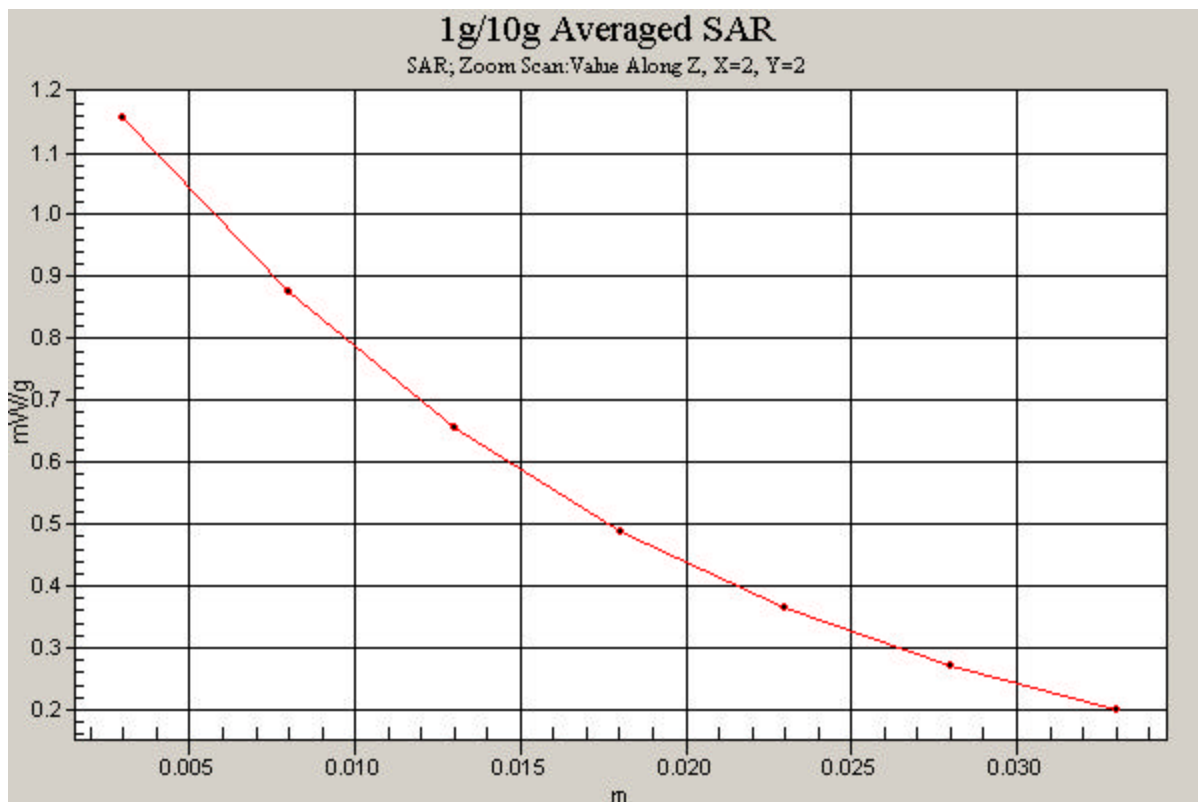
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 33.7 V/m

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.745 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: LGE Model: CG180; Type: 850/1900 GSM-GPRS Phone; Serial No: SAR #1

Communication System: GSM1900 GPRS; 2 Tx slots; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium: 1900 Muscle ($\sigma = 1.59$ mho/m, $\epsilon_r = 53.88$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 2.0 cm from DUT to Flat Phantom

Test Date: 06-21-2007; Ambient Temp: 23.8°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3561; ConvF(6.47, 6.47, 6.47); Calibrated: 11/23/2006

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn649; Calibrated: 1/23/2007

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, No Beltclip, Back side, High.ch

Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 18.2 V/m

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.608 mW/g

