

PCTEST ENGINEERING LABORATORY, INC.

DUT: G4020; Type: LG Dual Band GSM Phone; Serial: 406KCTU008045-ATT-P40

Conducted Power: 33.0 dBm

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: 835 Brain ($\sigma = 0.93$ mho/m, $\epsilon_r = 41.42$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 12-13-2004; Ambient Temp: 22.6°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN3550; ConvF(8.12, 8.12, 8.12); 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, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Touch, Ch.0251

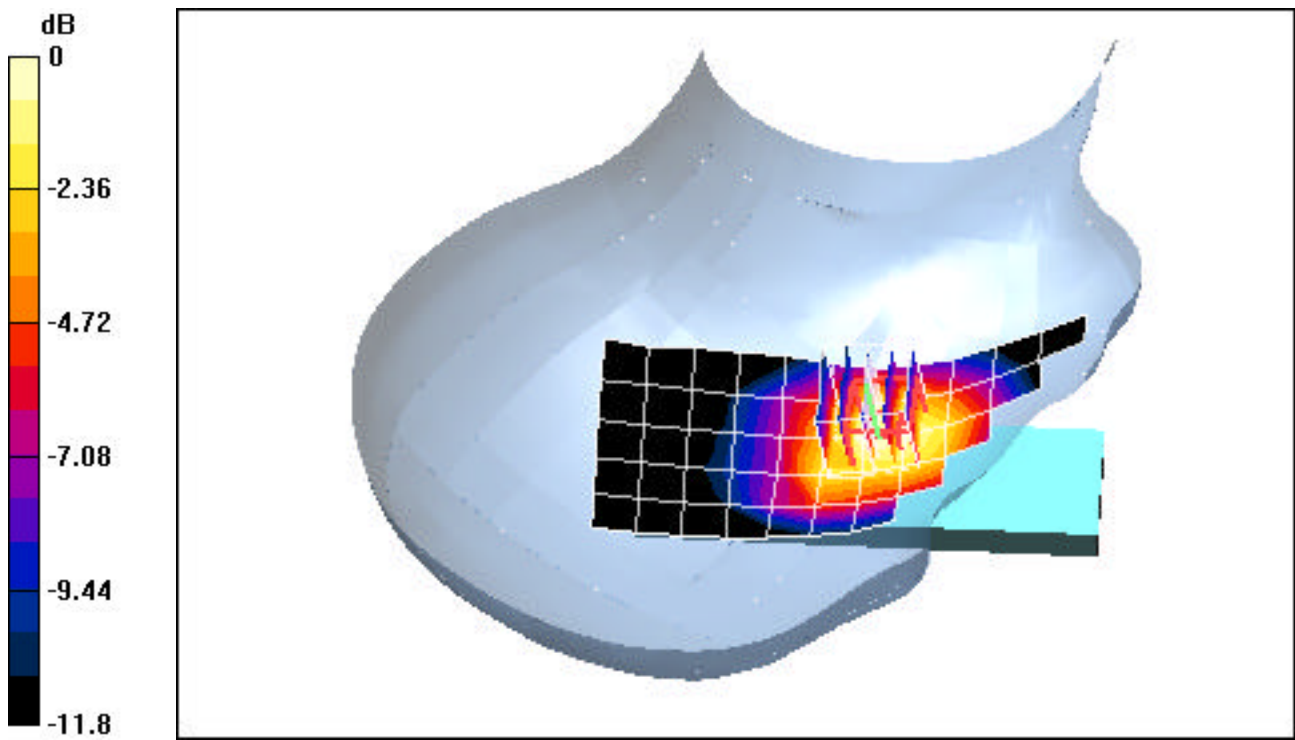
Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 7.73 V/m

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.895 mW/g; SAR(10 g) = 0.573 mW/g



0 dB = 1.05mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: G4020; Type: LG Dual Band GSM Phone; Serial: 406KCTU008045-ATT-P40

Conducted Power: 33.0 dBm

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: 835 Brain ($\sigma = 0.93$ mho/m, $\epsilon_r = 41.42$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 12-13-2004; Ambient Temp: 22.6°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN3550; ConvF(8.12, 8.12, 8.12); 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, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Tilt, Ch.0190

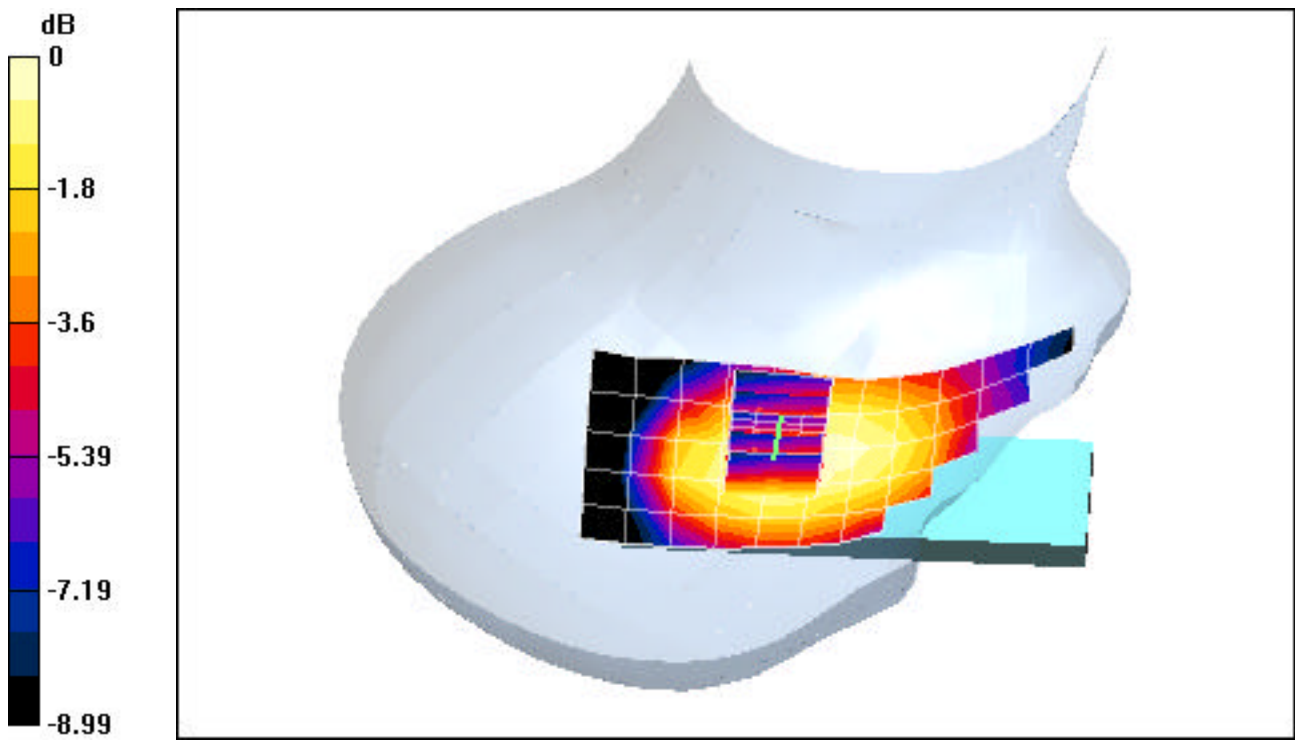
Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 11.8 V/m

Peak SAR (extrapolated) = 0.228 W/kg

SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.131 mW/g



0 dB = 0.195mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: G4020; Type: LG Dual Band GSM Phone; Serial: 406KCTU008045-ATT-P40

Conducted Power: 33.0 dBm

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: 835 Brain ($\sigma = 0.93$ mho/m, $\epsilon_r = 41.42$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 12-13-2004; Ambient Temp: 22.6°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN3550; ConvF(8.12, 8.12, 8.12); 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, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Touch, Ch.0251

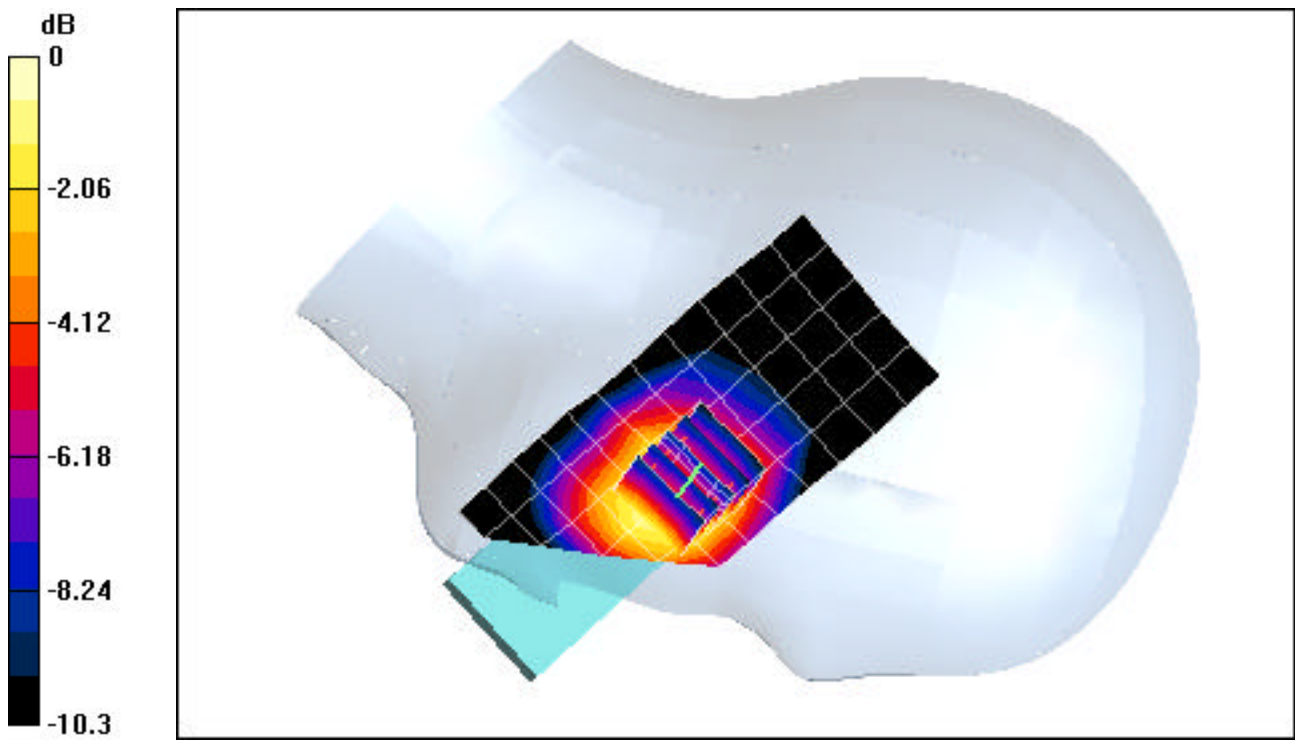
Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 7.6 V/m

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.793 mW/g; SAR(10 g) = 0.531 mW/g



0 dB = 0.902mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: G4020; Type: LG Dual Band GSM Phone; Serial: 406KCTU008045-ATT-P40

Conducted Power: 33.0 dBm

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: 835 Brain ($\sigma = 0.93$ mho/m, $\epsilon_r = 41.42$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 12-13-2004; Ambient Temp: 22.6°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN3550; ConvF(8.12, 8.12, 8.12); 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, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Tilt, Ch.0190

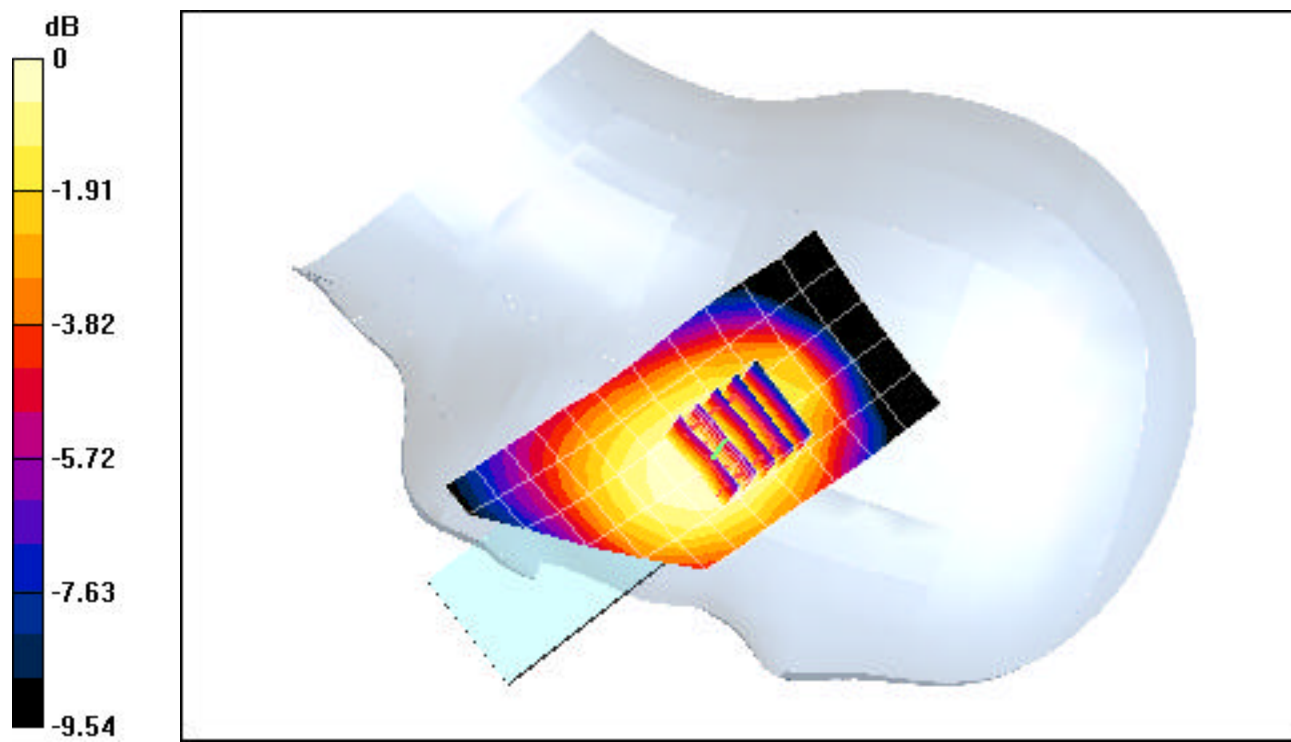
Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 11.2 V/m

Peak SAR (extrapolated) = 0.214 W/kg

SAR(1 g) = 0.170 mW/g; SAR(10 g) = 0.127 mW/g



0 dB = 0.188mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: G4020; Type: LG Dual Band GSM Phone; Serial: 406KCTU008045-ATT-P40

Conducted Power: 30.0 dBm

Communication System: PCS GSM; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 Brain ($\sigma = 1.46$ mho/m, $\epsilon_r = 39.14$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 12-14-2004; Ambient Temp: 22.6°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3550; ConvF(6.75, 6.75, 6.75); 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, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Touch, Ch.0810

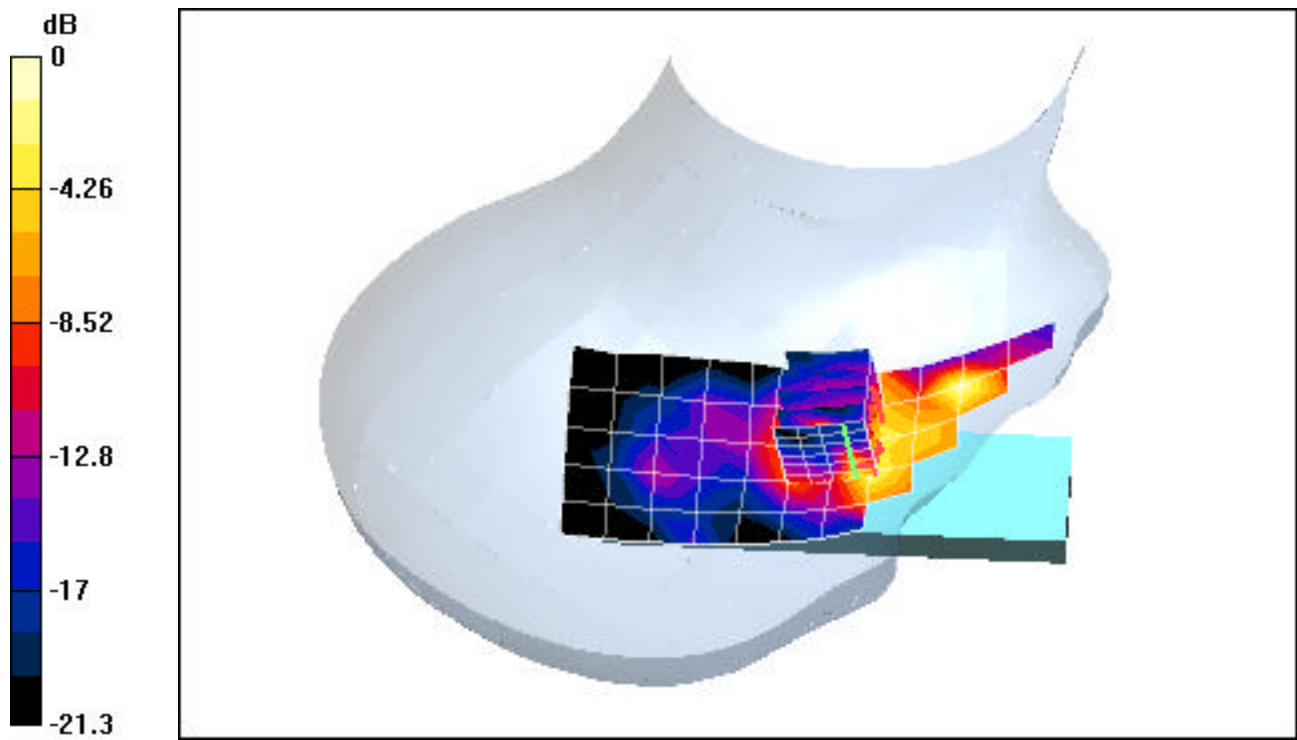
Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 2.95 V/m

Peak SAR (extrapolated) = 0.456 W/kg

SAR(1 g) = 0.161 mW/g; SAR(10 g) = 0.077 mW/g



0 dB = 0.316mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: G4020; Type: LG Dual Band GSM Phone; Serial: 406KCTU008045-ATT-P40

Conducted Power: 30.0dBm

Communication System: PCS GSM; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: 1900 Brain ($\sigma = 1.46$ mho/m, $\epsilon_r = 39.14$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 12-14-2004; Ambient Temp: 22.6°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3550; ConvF(6.75, 6.75, 6.75); 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, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Tilt, Ch.0661

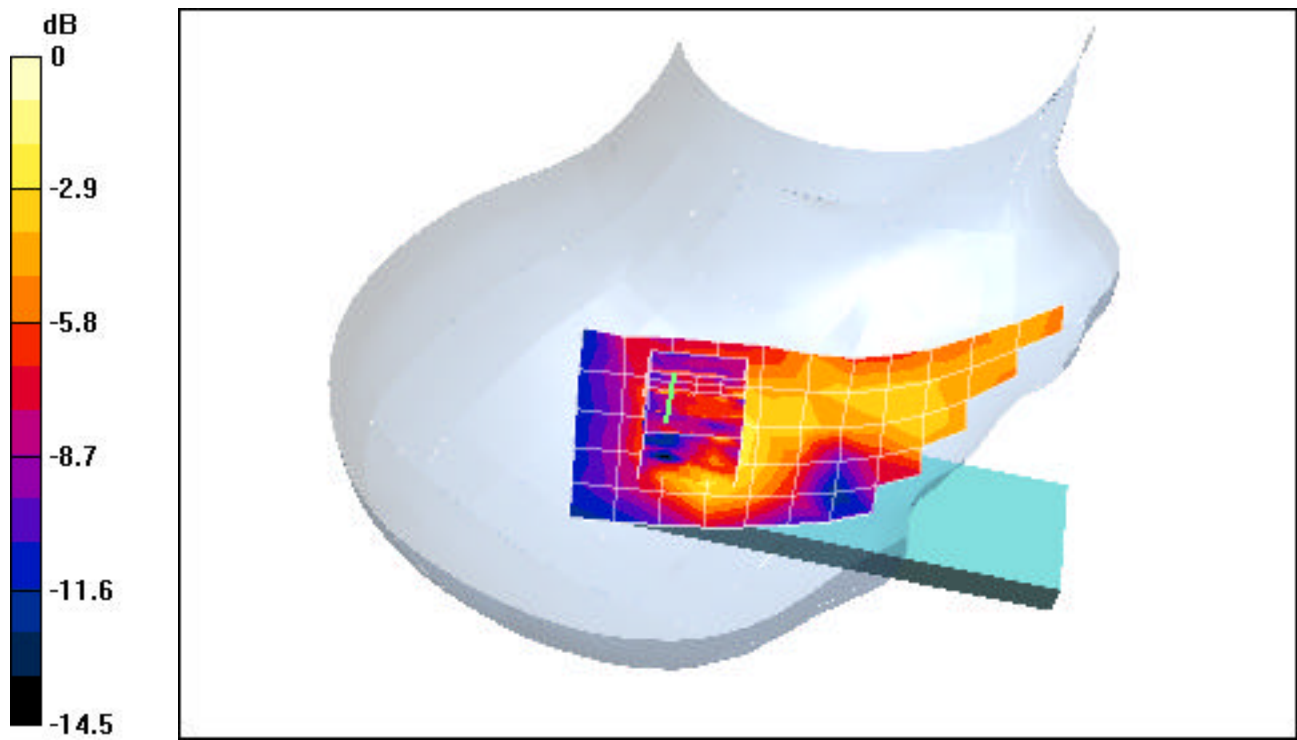
Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 2.5 V/m

Peak SAR (extrapolated) = 6.21 W/kg

SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.00747 mW/g



0 dB = 0.019mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: G4020; Type: LG Dual Band GSM Phone; Serial: 406KCTU008045-ATT-P40

Conducted Power: 30.0dBm

Communication System: PCS GSM; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 Brain ($\sigma = 1.46$ mho/m, $\epsilon_r = 39.14$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 12-14-2004; Ambient Temp: 22.6°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3550; ConvF(6.75, 6.75, 6.75); 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, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Touch, Ch.0810

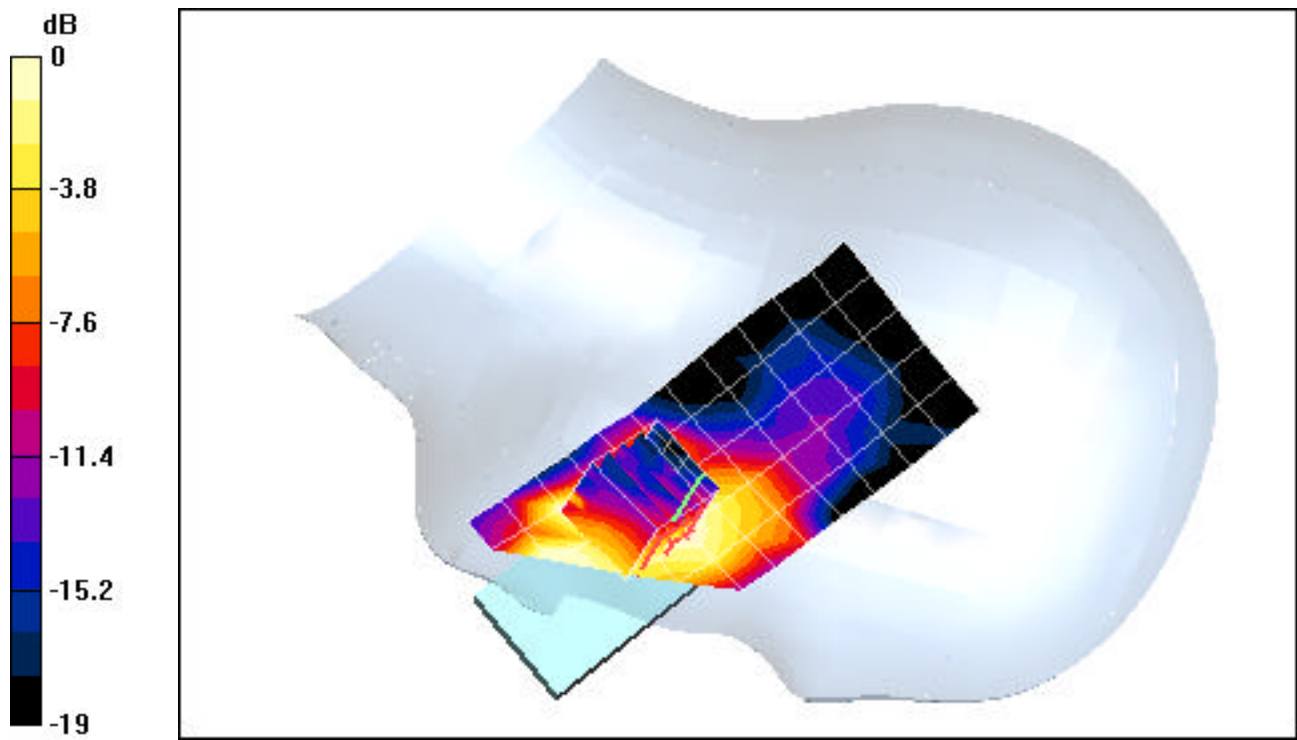
Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 2.18 V/m

Peak SAR (extrapolated) = 0.240 W/kg

SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.068 mW/g



0 dB = 0.169mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: G4020; Type: LG Dual Band GSM Phone; Serial: 406KCTU008045-ATT-P40

Conducted Power: 30.0dBm

Communication System: PCS GSM; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: 1900 Brain ($\sigma = 1.46$ mho/m, $\epsilon_r = 39.14$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 12-14-2004; Ambient Temp: 22.6°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3550; ConvF(6.75, 6.75, 6.75); 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, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Tilt, Ch.0661

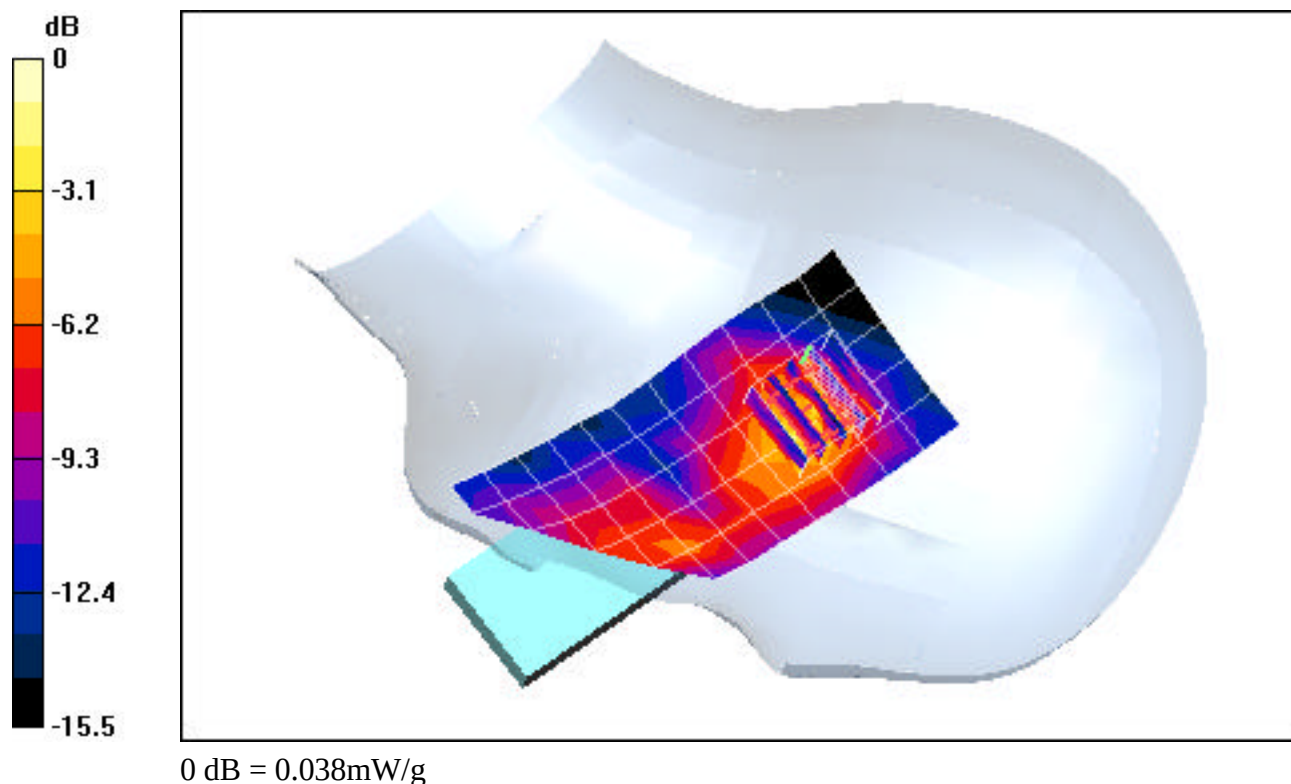
Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 2.87 V/m

Peak SAR (extrapolated) = 0.177 W/kg

SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.00635 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: G4020; Type: LG Dual Band GSM Phone; Serial: 406KCTU008045-ATT-P40

Conducted Power: 33.0 dBm

Communication System: GSM 850 GPRS; 2 Tx Slots; Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium: 835 Muscle ($\sigma = 0.99$ mho/m, $\epsilon_r = 52.63$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 12-13-2004; Ambient Temp: 22.8°C; Tissue Temp: 20.5°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, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Ch.0251

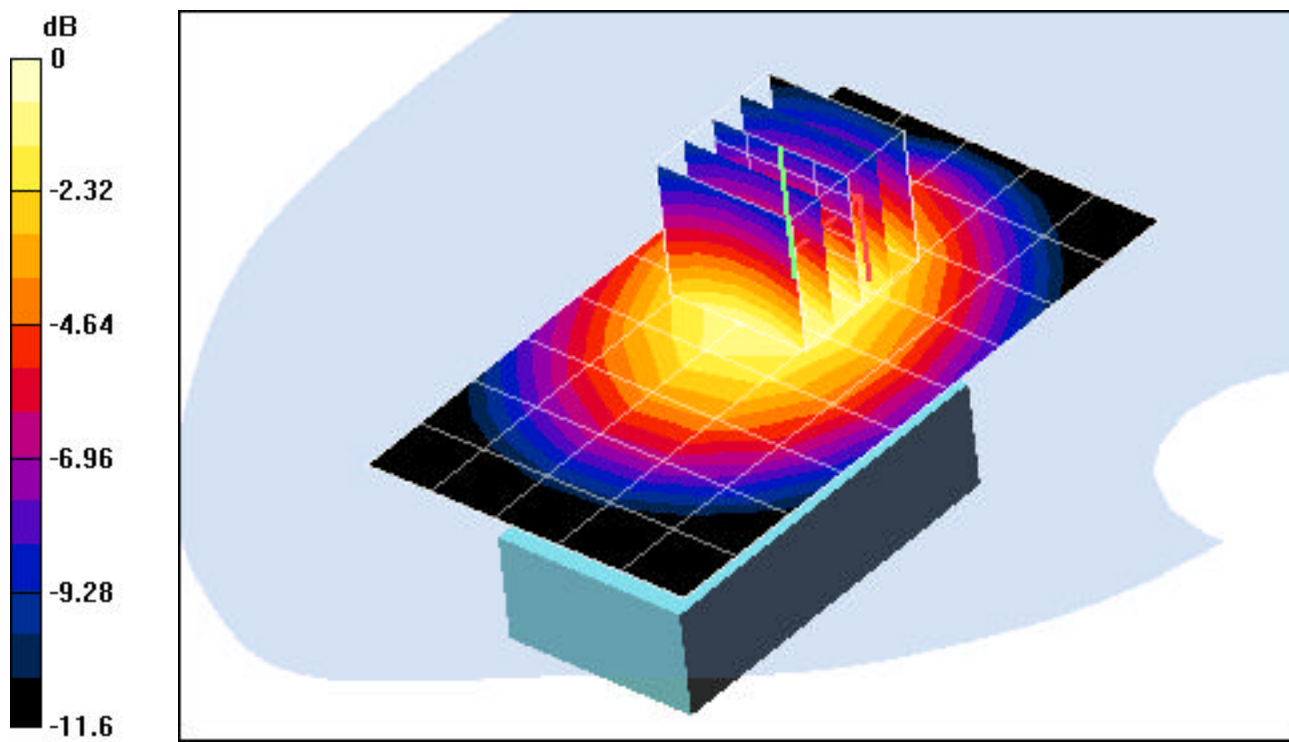
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 28.7 V/m

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.921 mW/g; SAR(10 g) = 0.628 mW/g



0 dB = 1.06mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: G4020; Type: LG Dual Band GSM Phone; Serial: 406KCTU008045-ATT-P40

Conducted Power: 30.0dBm

Communication System: PCS GSM GPRS; 2 Tx Slots; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: 1900 Muscle ($\sigma = 1.58$ mho/m, $\epsilon_r = 54.45$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 12-13-2004; Ambient Temp: 22.5°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN3550; ConvF(6.35, 6.35, 6.35); 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, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Ch.0661

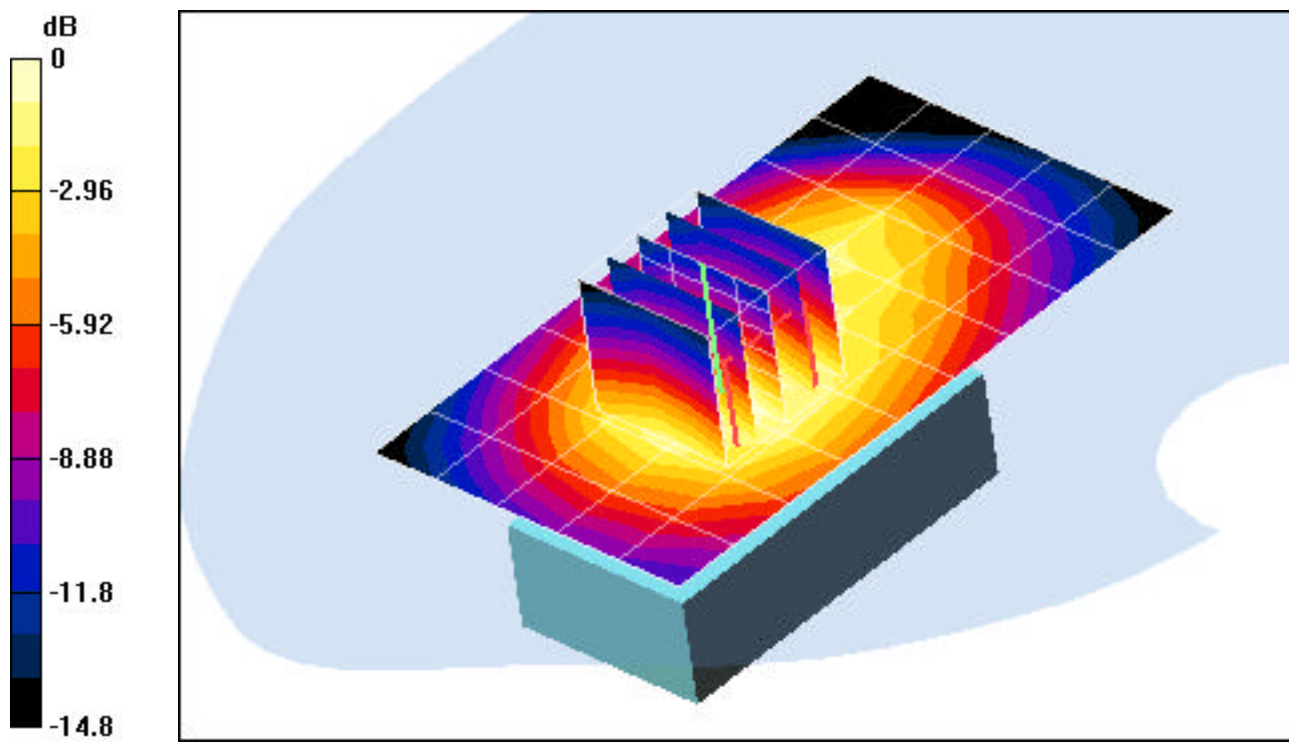
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 18.1 V/m

Peak SAR (extrapolated) = 0.973 W/kg

SAR(1 g) = 0.662 mW/g; SAR(10 g) = 0.416 mW/g



0 dB = 0.772mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: G4020; Type: LG Dual Band GSM Phone; Serial: 406KCTU008045-ATT-P40

Conducted Power: 33.0 dBm

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: 835 Brain ($\sigma = 0.93$ mho/m, $\epsilon_r = 41.42$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 12-13-2004; Ambient Temp: 22.6°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN3550; ConvF(8.12, 8.12, 8.12); 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, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Touch, Ch.0251

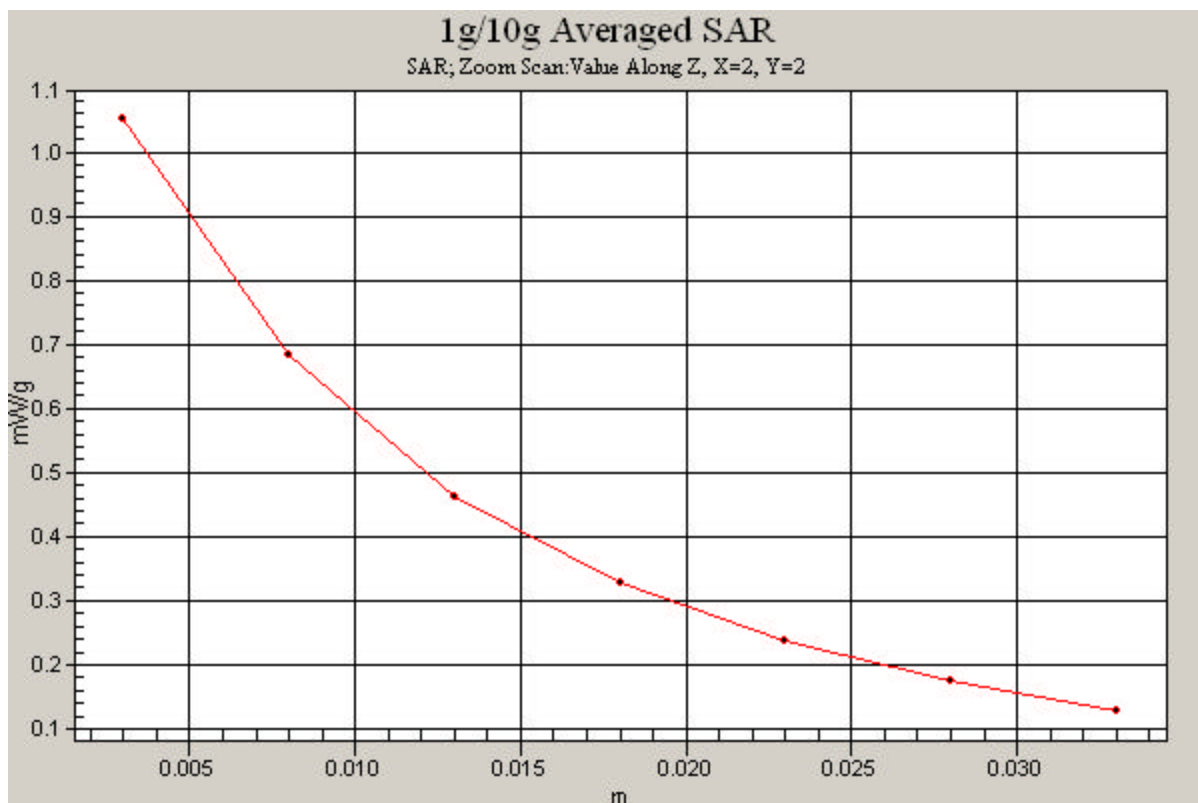
Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 7.73 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.895 mW/g; SAR(10 g) = 0.573 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: G4020; Type: LG Dual Band GSM Phone; Serial: 406KCTU008045-ATT-P40

Conducted Power: 30.0dBm

Communication System: PCS GSM; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 Brain ($\sigma = 1.46$ mho/m, $\epsilon_r = 39.14$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 12-14-2004; Ambient Temp: 22.6°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3550; ConvF(6.75, 6.75, 6.75); 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, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Tilt, Ch.0810

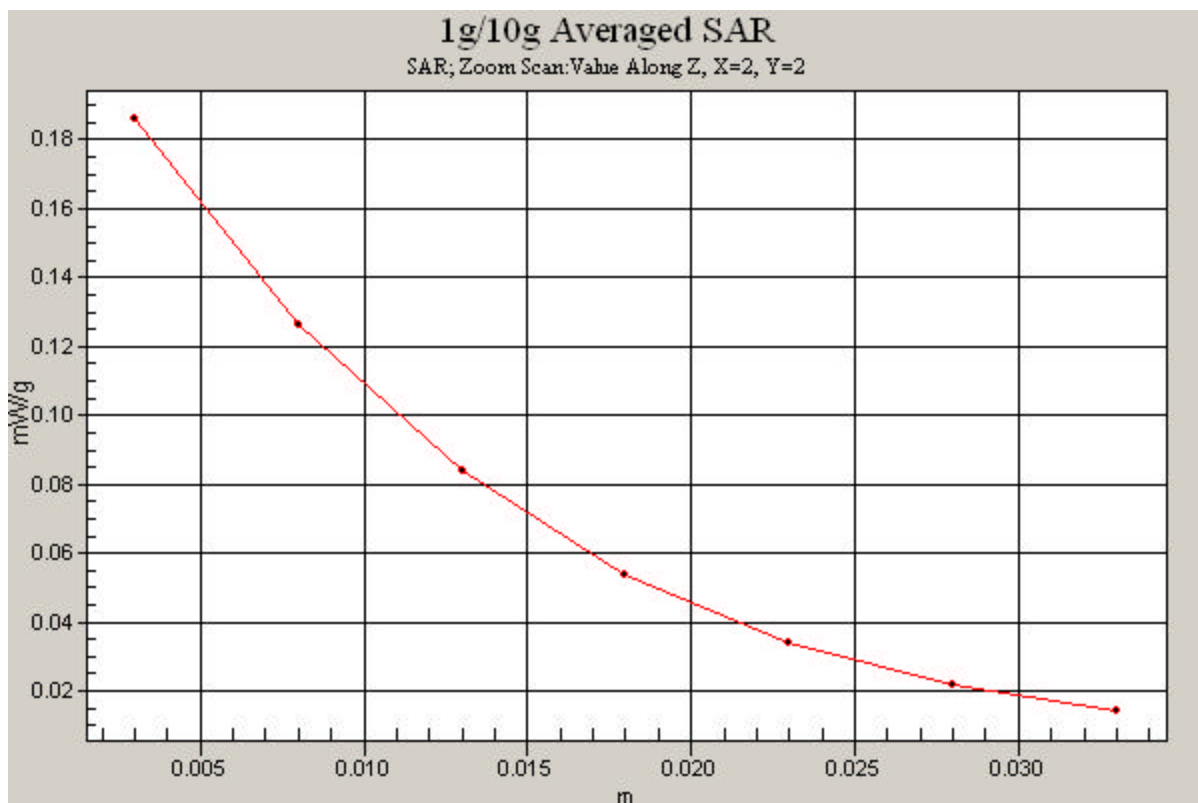
Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 2.95 V/m

Peak SAR (extrapolated) = 0.456 W/kg

SAR(1 g) = 0.161 mW/g; SAR(10 g) = 0.077 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: G4020; Type: LG Dual Band GSM Phone; Serial: 406KCTU008045-ATT-P40

Conducted Power: 33.0 dBm

Communication System: GSM 850 GPRS; 2 Tx slots; Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium: 835 Muscle ($\sigma = 0.99$ mho/m, $\epsilon_r = 52.63$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 12-13-2004; Ambient Temp: 22.8°C; Tissue Temp: 20.5°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, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Ch.0251

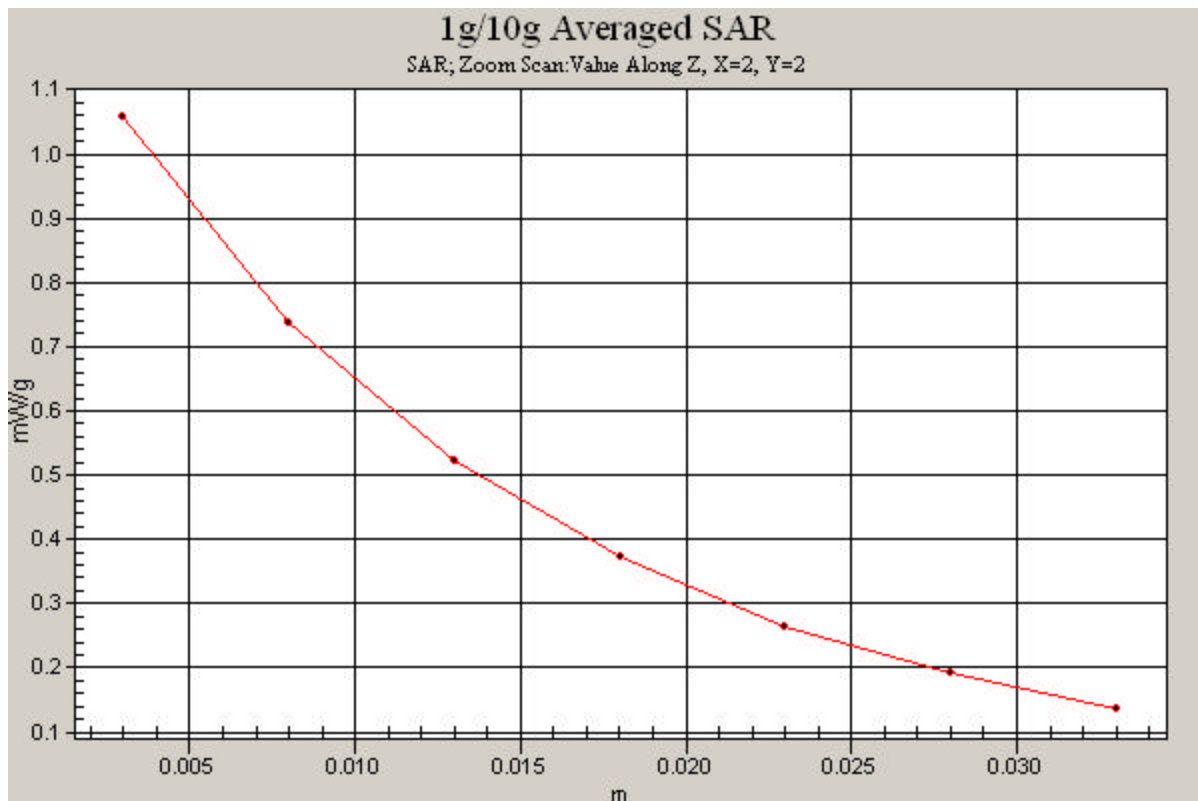
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 28.7 V/m

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.921 mW/g; SAR(10 g) = 0.628 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: G4020; Type: LG Dual Band GSM Phone; Serial: 406KCTU008045-ATT-P40

Conducted Power: 30.0dBm

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

Medium: 1900 Muscle ($\sigma = 1.58$ mho/m, $\epsilon_r = 54.45$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 12-13-2004; Ambient Temp: 22.5°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN3550; ConvF(6.35, 6.35, 6.35); 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, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Ch.0661

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

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

Reference Value = 18.1 V/m

Peak SAR (extrapolated) = 0.973 W/kg

SAR(1 g) = 0.662 mW/g; SAR(10 g) = 0.416 mW/g

