

PCTEST ENGINEERING LABORATORY, INC.

DUT: LG Model: A7110; Type: GSM Dual Band Phone; SN: 411KCJZ015060

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: 12-16-2004; Ambient Temp: 22.8°C; Tissue Temp: 21.3°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, Fixed Antenna, Std. Battery, Conducted Power: 32.8dBm.

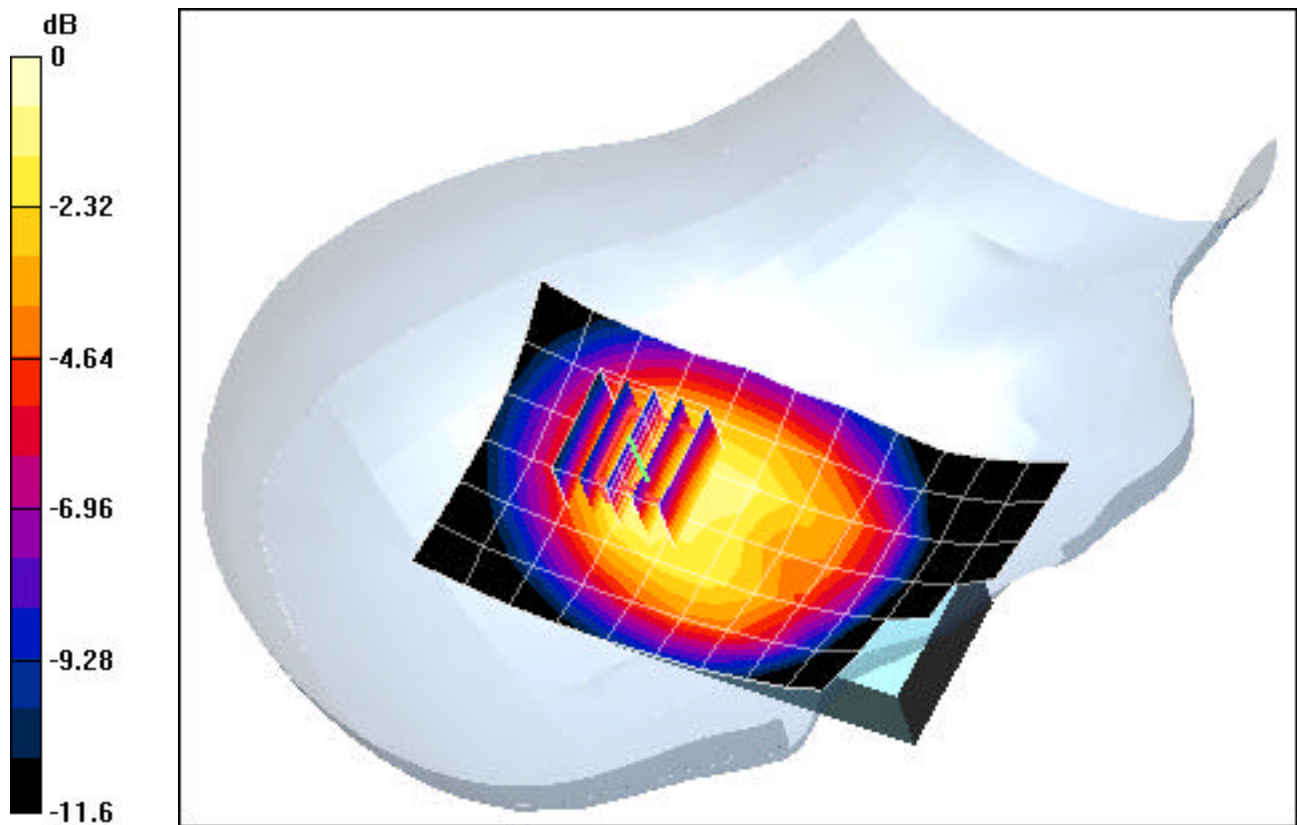
Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 27.8 V/m

Peak SAR (extrapolated) = 0.986 W/kg

SAR(1 g) = 0.676 mW/g; SAR(10 g) = 0.456 mW/g



0 dB = 0.798mW/g

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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

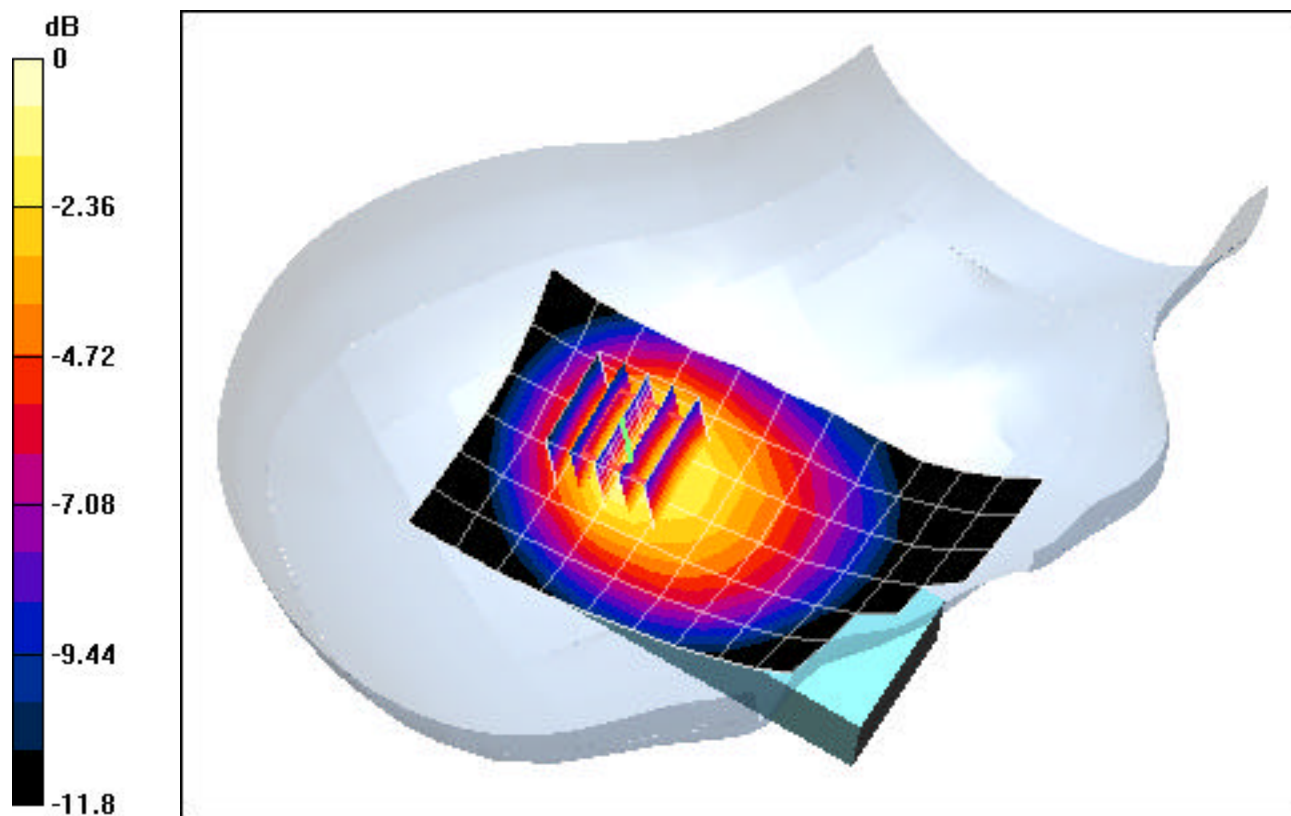
Tilt, Ch.0251, Fixed Antenna, Std. Battery, Conducted Power: 32.8dBm.

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

Reference Value = 26.9 V/m

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.698 mW/g; SAR(10 g) = 0.458 mW/g



0 dB = 0.826mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LG Model: A7110; Type: GSM Dual Band Phone; SN: 411KCJZ015060

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: 12-16-2004; Ambient Temp: 22.8°C; Tissue Temp: 21.3°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, Fixed Antenna, Std. Battery, Conducted Power: 32.8dBm.

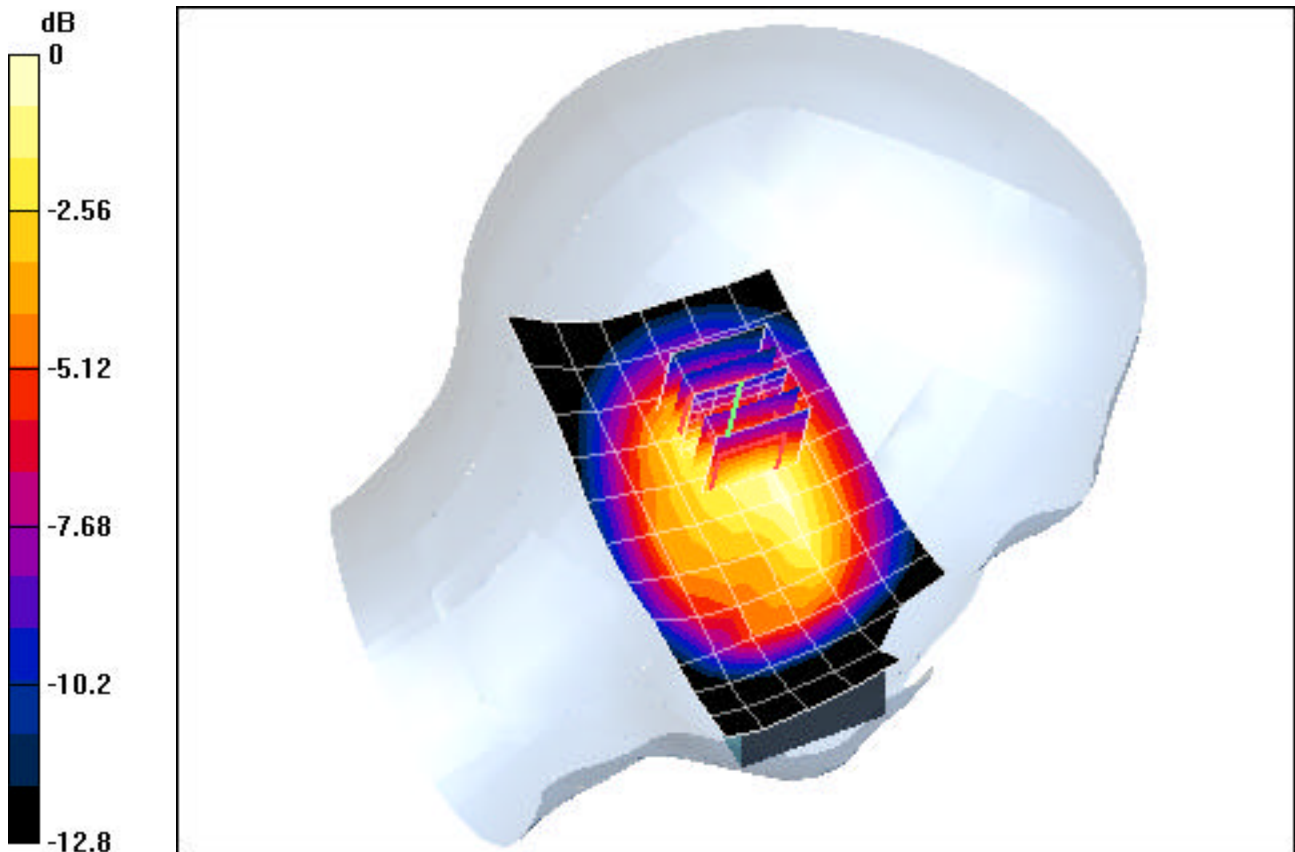
Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 28.8 V/m

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.720 mW/g; SAR(10 g) = 0.476 mW/g



0 dB = 0.856mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LG Model: A7110; Type: GSM Dual Band Phone; SN: 411KCJZ015060

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: 12-16-2004; Ambient Temp: 22.8°C; Tissue Temp: 21.3°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.0251, Fixed Antenna, Std. Battery, Conducted Power: 32.8dBm.

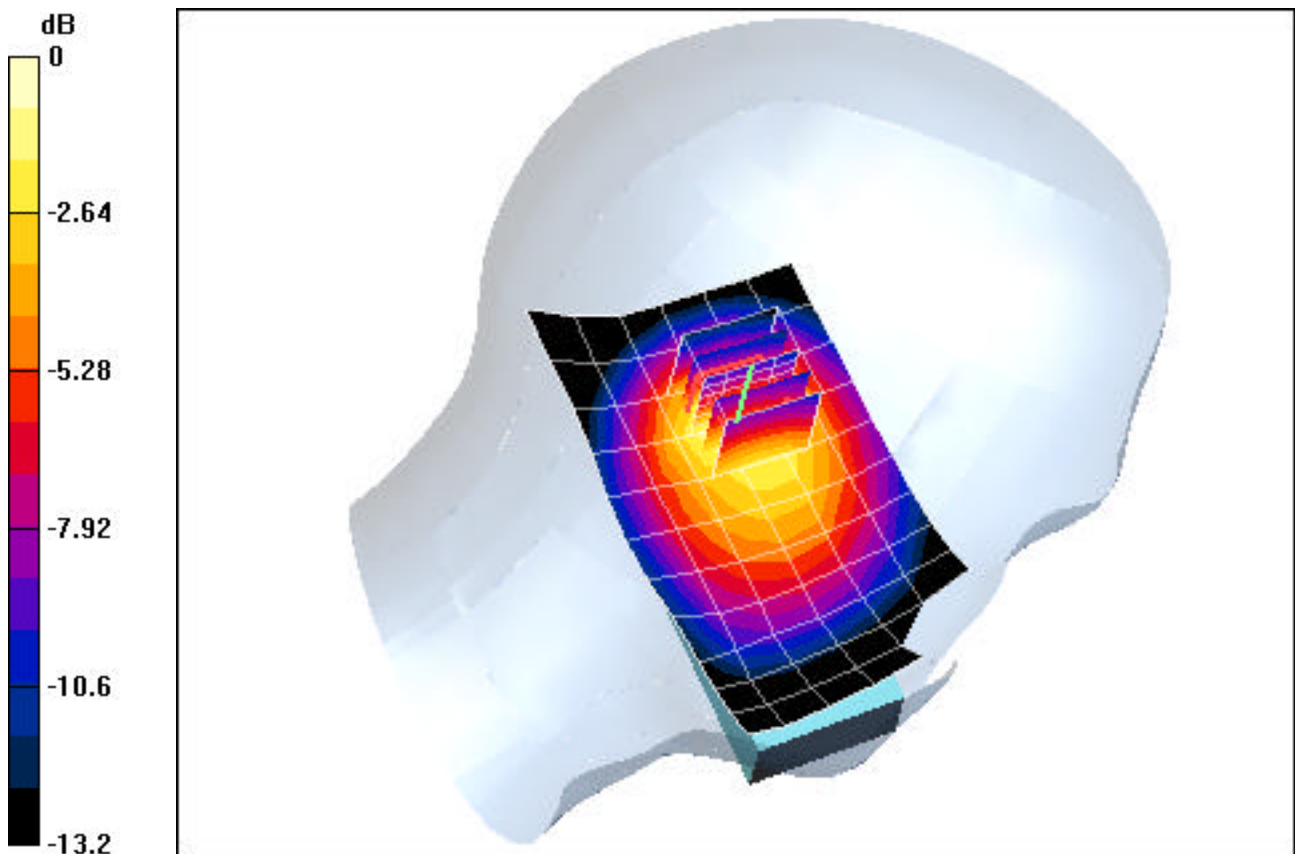
Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 27.2 V/m

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.758 mW/g; SAR(10 g) = 0.484 mW/g



0 dB = 0.908mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LG Model: A7110; Type: GSM Dual Band Phone; SN: 411KCJZ015060

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

Medium: 1900 Brain ($\sigma = 1.37$ mho/m, $\epsilon_r = 38.16$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 12-17-2004; Ambient Temp: 22.5°C; Tissue Temp: 20.6°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.0661, Fixed Antenna, Std. Battery, Conducted Power: 29.7dBm.

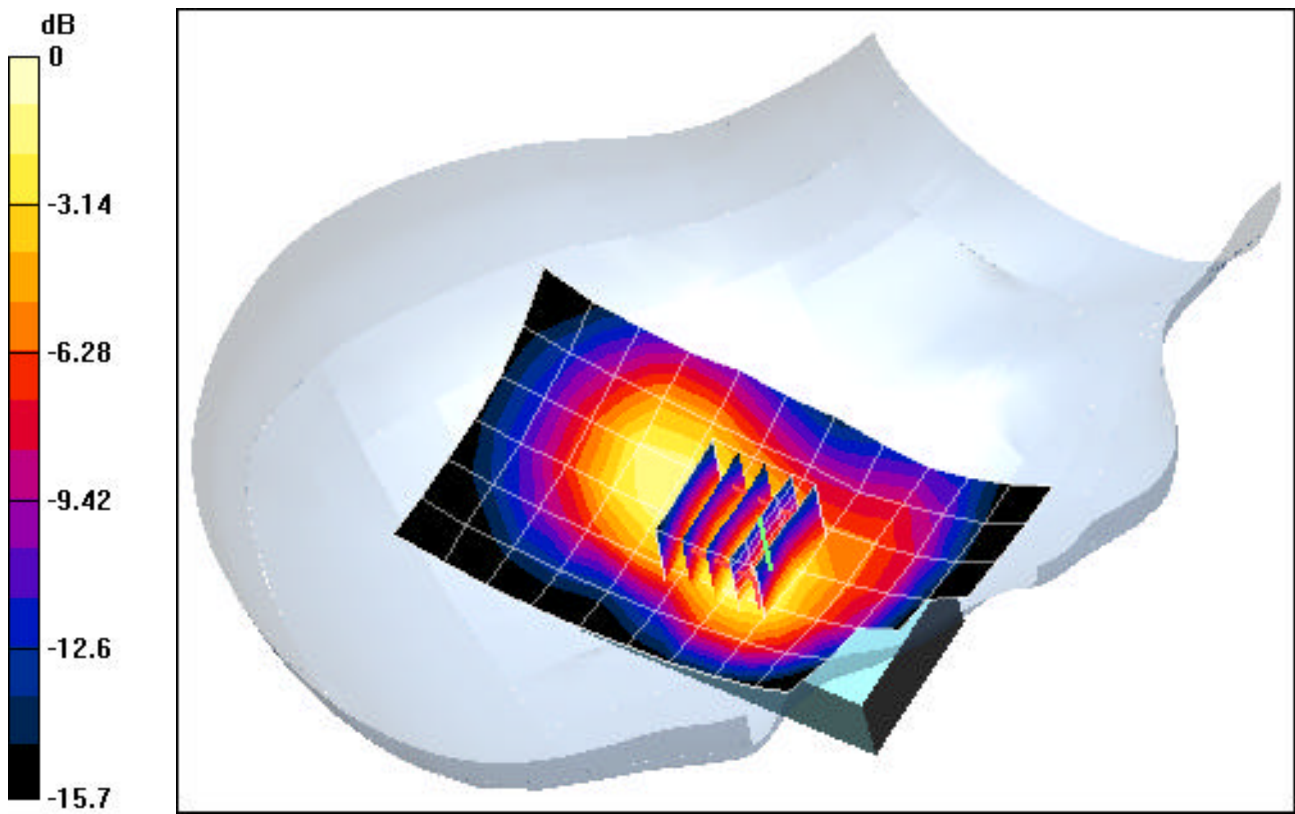
Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 15.8 V/m

Peak SAR (extrapolated) = 0.576 W/kg

SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.198 mW/g



0 dB = 0.415mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LG Model: A7110; Type: GSM Dual Band Phone; SN: 411KCJZ015060

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

Medium: 1900 Brain ($\sigma = 1.37$ mho/m, $\epsilon_r = 38.16$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 12-17-2004; Ambient Temp: 22.5°C; Tissue Temp: 20.6°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, Fixed Antenna, Std. Battery, Conducted Power: 29.8dBm.

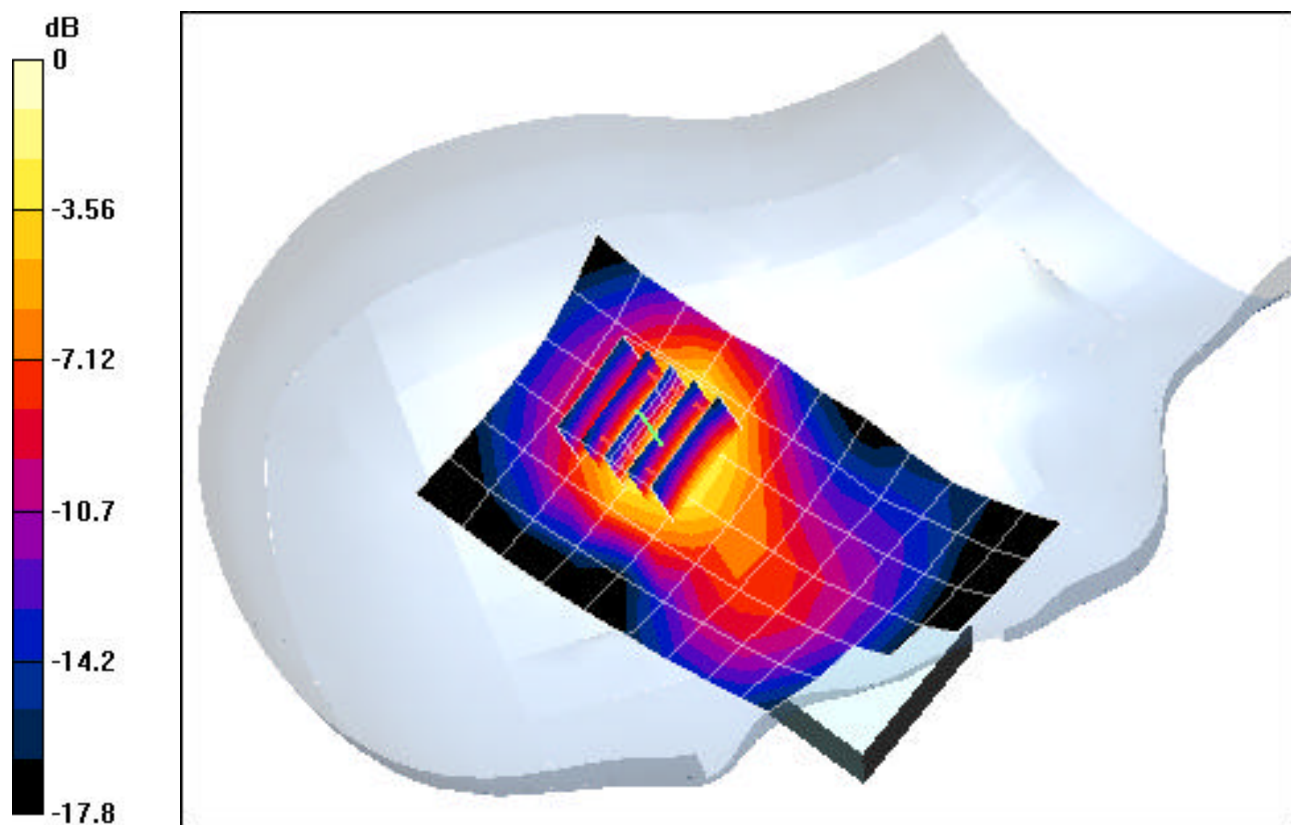
Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 18.4 V/m

Peak SAR (extrapolated) = 0.787 W/kg

SAR(1 g) = 0.435 mW/g; SAR(10 g) = 0.235 mW/g



0 dB = 0.545mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LG Model: A7110; Type: GSM Dual Band Phone; SN: 411KCJZ015060

Communication System: PCS GSM; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: 1900 Brain ($\sigma = 1.37$ mho/m, $\epsilon_r = 38.16$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 12-17-2004; Ambient Temp: 22.5°C; Tissue Temp: 20.6°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.0512, Fixed Antenna, Std. Battery, Conducted Power: 29.9dBm.

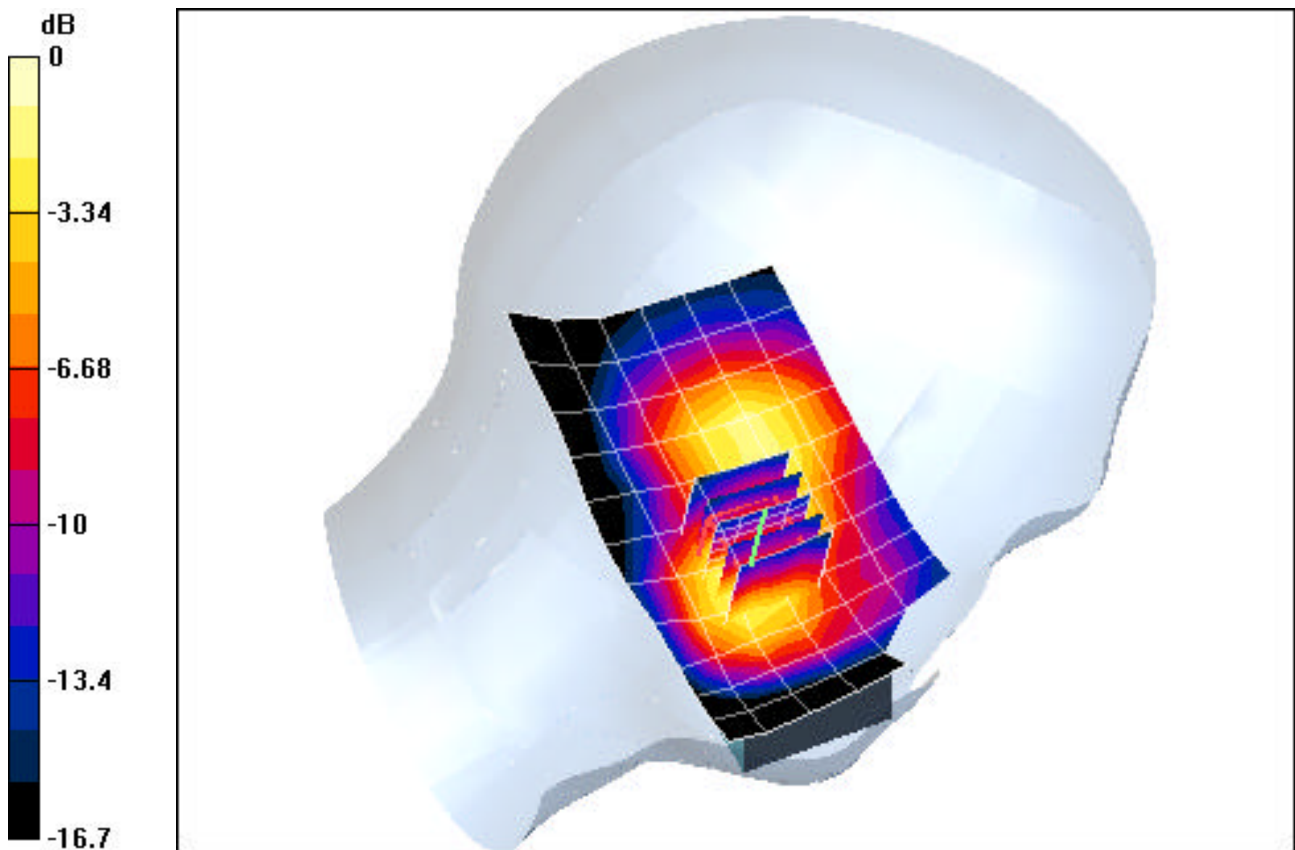
Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 14.4 V/m

Peak SAR (extrapolated) = 0.558 W/kg

SAR(1 g) = 0.327 mW/g; SAR(10 g) = 0.181 mW/g



0 dB = 0.406mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LG Model: A7110; Type: GSM Dual Band Phone; SN: 411KCJZ015060

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

Medium: 1900 Brain ($\sigma = 1.37$ mho/m, $\epsilon_r = 38.16$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 12-17-2007; Ambient Temp: 22.5°C; Tissue Temp: 20.6°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, Fixed Antenna, Std. Battery, Conducted Power: 29.7dBm.

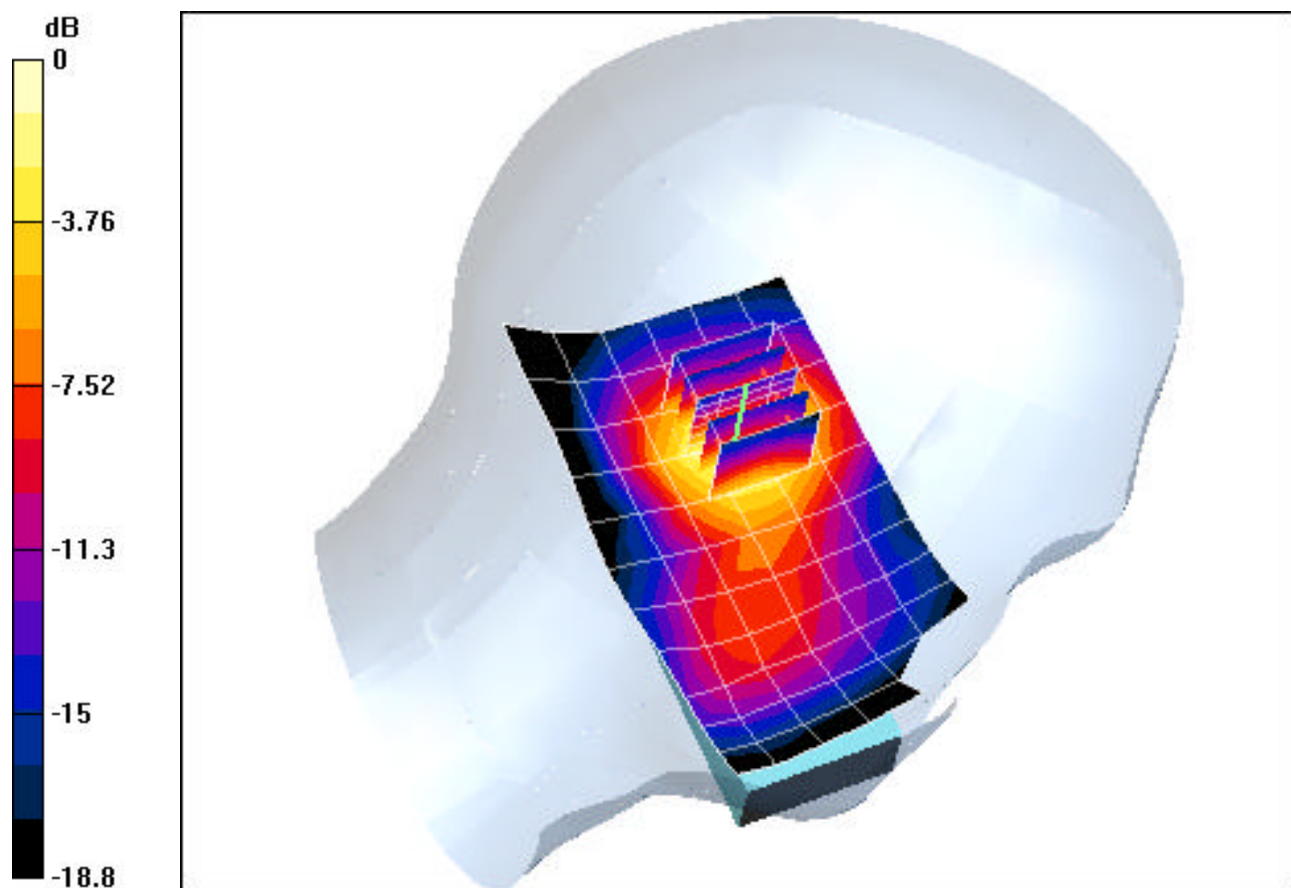
Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 16.7 V/m

Peak SAR (extrapolated) = 0.731 W/kg

SAR(1 g) = 0.420 mW/g; SAR(10 g) = 0.226 mW/g



0 dB = 0.526mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LG Model: A7110; Type: GSM Dual Band Phone; SN: 411KCJZ015060

Communication System: GSM 850 GPRS; 2 Tx slots; Frequency: 836.6 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

Test Date: 12-20-2004; Ambient Temp: 22.6°C; Tissue Temp: 21.2°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

Body, 2.0cm.Space, Ch.0190, Fixed Ant. Conducted Power: 32.87dBm.

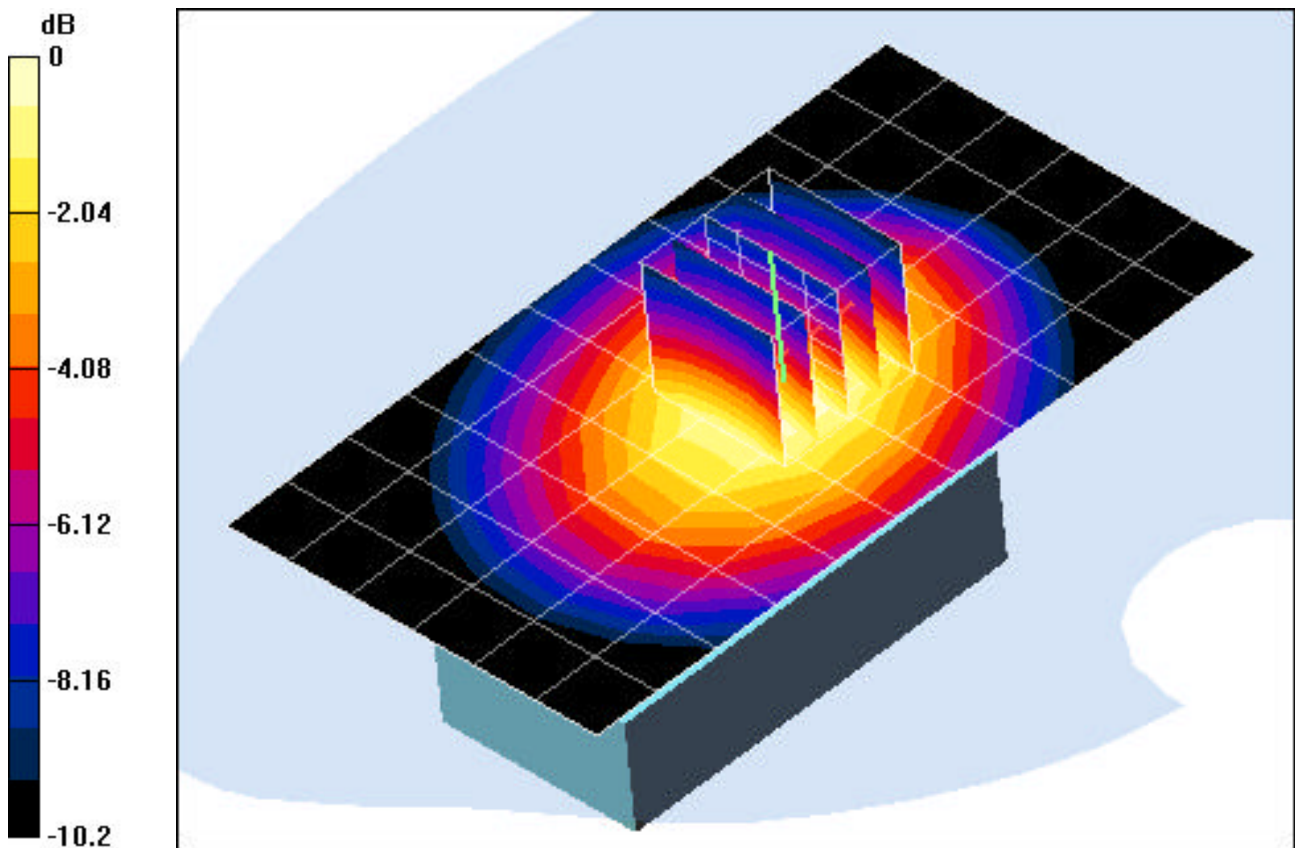
Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 36.3 V/m

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.920 mW/g



0 dB = 1.49mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LG Model: A7110; Type: GSM Dual Band Phone; SN: 411KCJZ015060

Communication System: PCS GSM GPRS; 2 Tx slots; Frequency: 1850.2 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

Test Date: 12-20-2004; Ambient Temp: 22.6°C; Tissue Temp: 21.2°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

Body, 2.0cm.Space, Fixed Ant, Slide Out, Conducted Power: 29.8dBm.

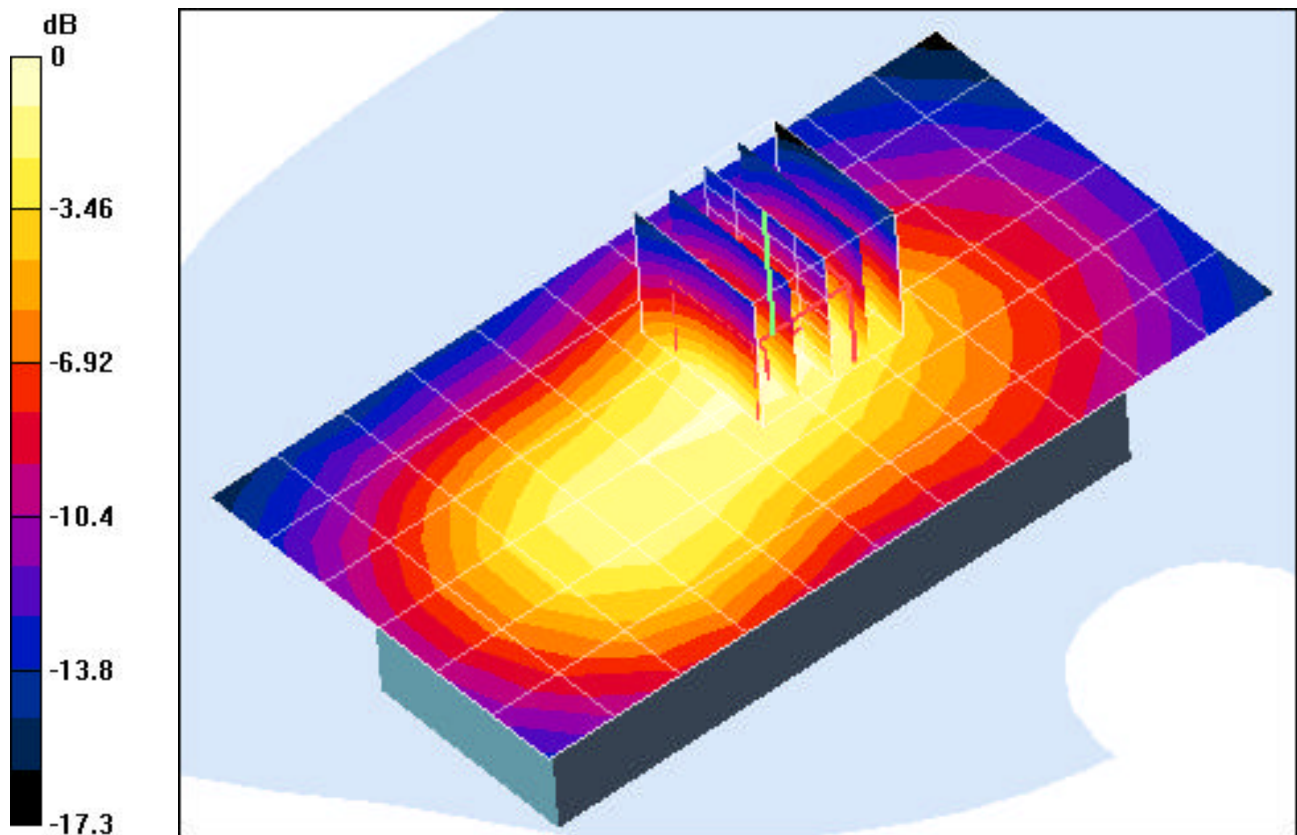
Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 18.6 V/m

Peak SAR (extrapolated) = 0.909 W/kg

SAR(1 g) = 0.564 mW/g; SAR(10 g) = 0.332 mW/g



0 dB = 0.673mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LG Model: A7110; Type: GSM Dual Band Phone; SN: 411KCJZ015060

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: 12-16-2004; Ambient Temp: 22.8°C; Tissue Temp: 21.3°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.0251, Fixed Antenna, Std. Battery, Conducted Power: 32.8dBm.

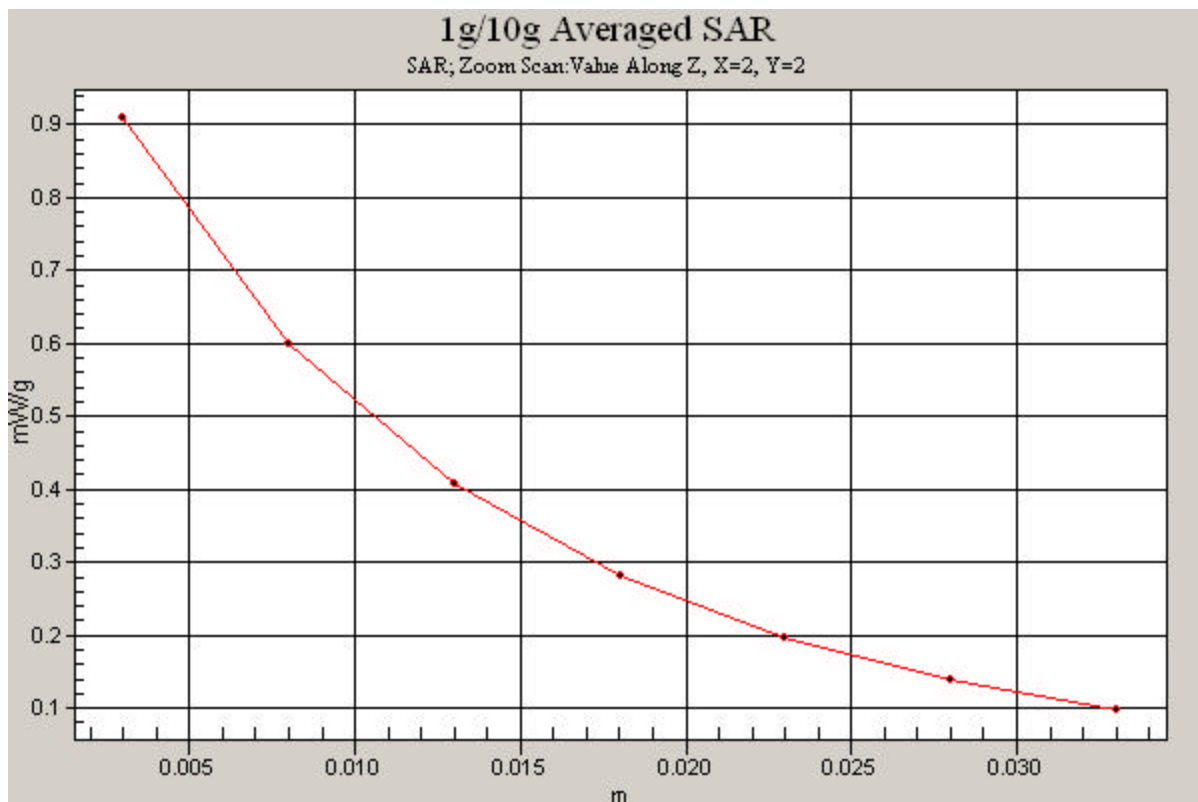
Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 27.2 V/m

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.758 mW/g; SAR(10 g) = 0.484 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: LG Model: A7110; Type: GSM Dual Band Phone; SN: 411KCJZ015060

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

Medium: 1900 Brain ($\sigma = 1.37$ mho/m, $\epsilon_r = 38.16$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 12-17-2004; Ambient Temp: 22.5°C; Tissue Temp: 20.6°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, Fixed Antenna, Std. Battery, Conducted Power: 29.8dBm.

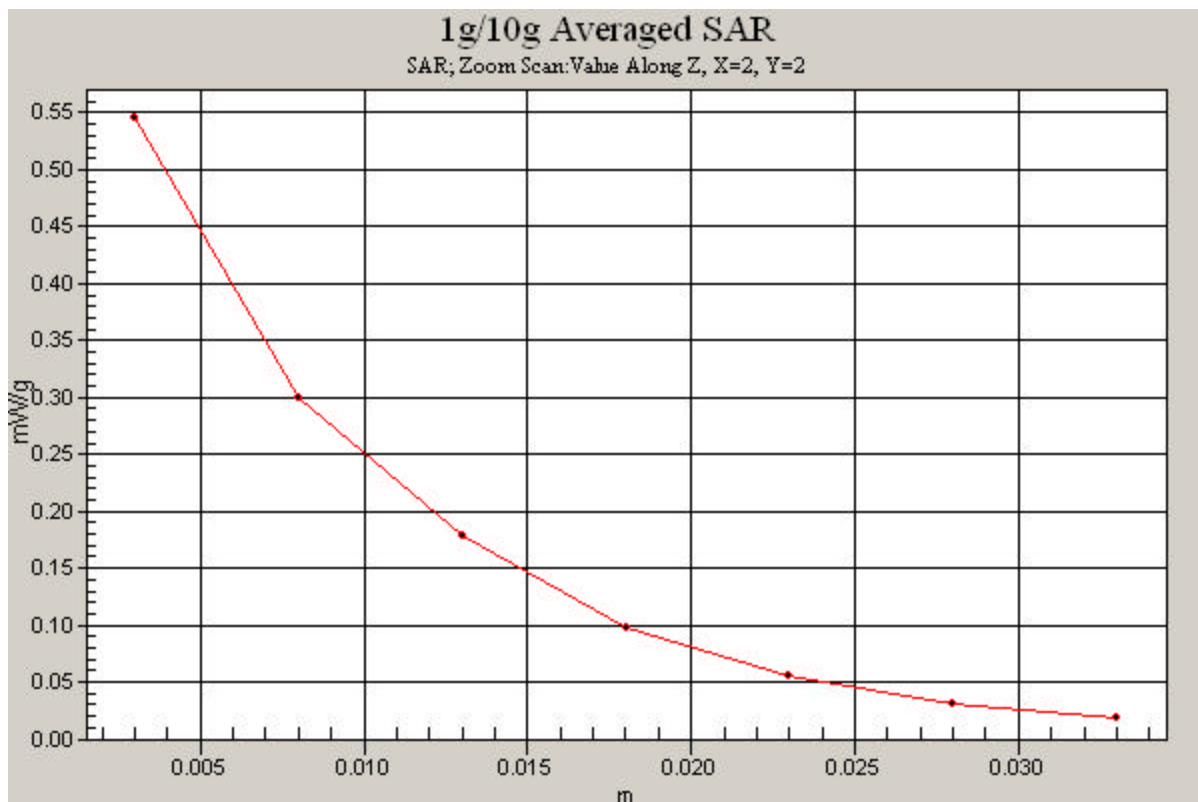
Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 18.4 V/m

Peak SAR (extrapolated) = 0.787 W/kg

SAR(1 g) = 0.435 mW/g; SAR(10 g) = 0.235 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: LG Model: A7110; Type: GSM Dual Band Phone; SN: 411KCJZ015060

Communication System: GSM 850 GPRS; 2 Tx slots; Frequency: 836.6 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

Test Date: 12-20-2004; Ambient Temp: 22.6°C; Tissue Temp: 21.2°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

Body, Ch.0190, Fixed Antenna, Std. Battery, Conducted Power: 32.87dBm.

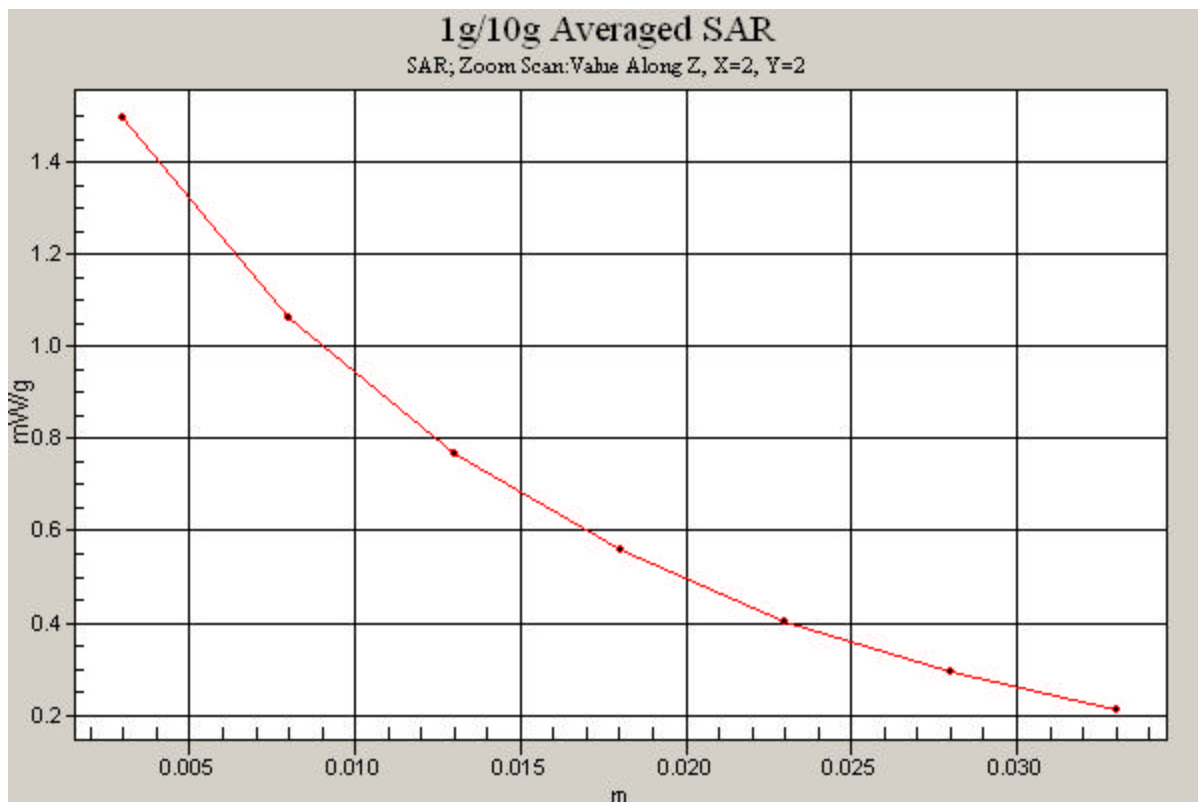
Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 36.3 V/m

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.920 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: LG Model: A7110; Type: GSM Dual Band Phone ; SN: 411KCJZ015060

Communication System: PCS GSM GPRS; 2 Tx slots; Frequency: 1850.2 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

Test Date: 12-20-2004; Ambient Temp: 22.6°C; Tissue Temp: 21.2°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

Body, Ch.0512, Fixed Antenna, Std. Battery, Conducted Power: 29.8dBm.

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

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

Reference Value = 18.6 V/m

Peak SAR (extrapolated) = 0.909 W/kg

SAR(1 g) = 0.564 mW/g; SAR(10 g) = 0.332 mW/g

