PCTEST ENGINEERING LABORATORY, INC.

DUT: LX5400A; Type: LG Dual Band Phone; Serial: FCC #1; Conducted Power: 24.5 dBm

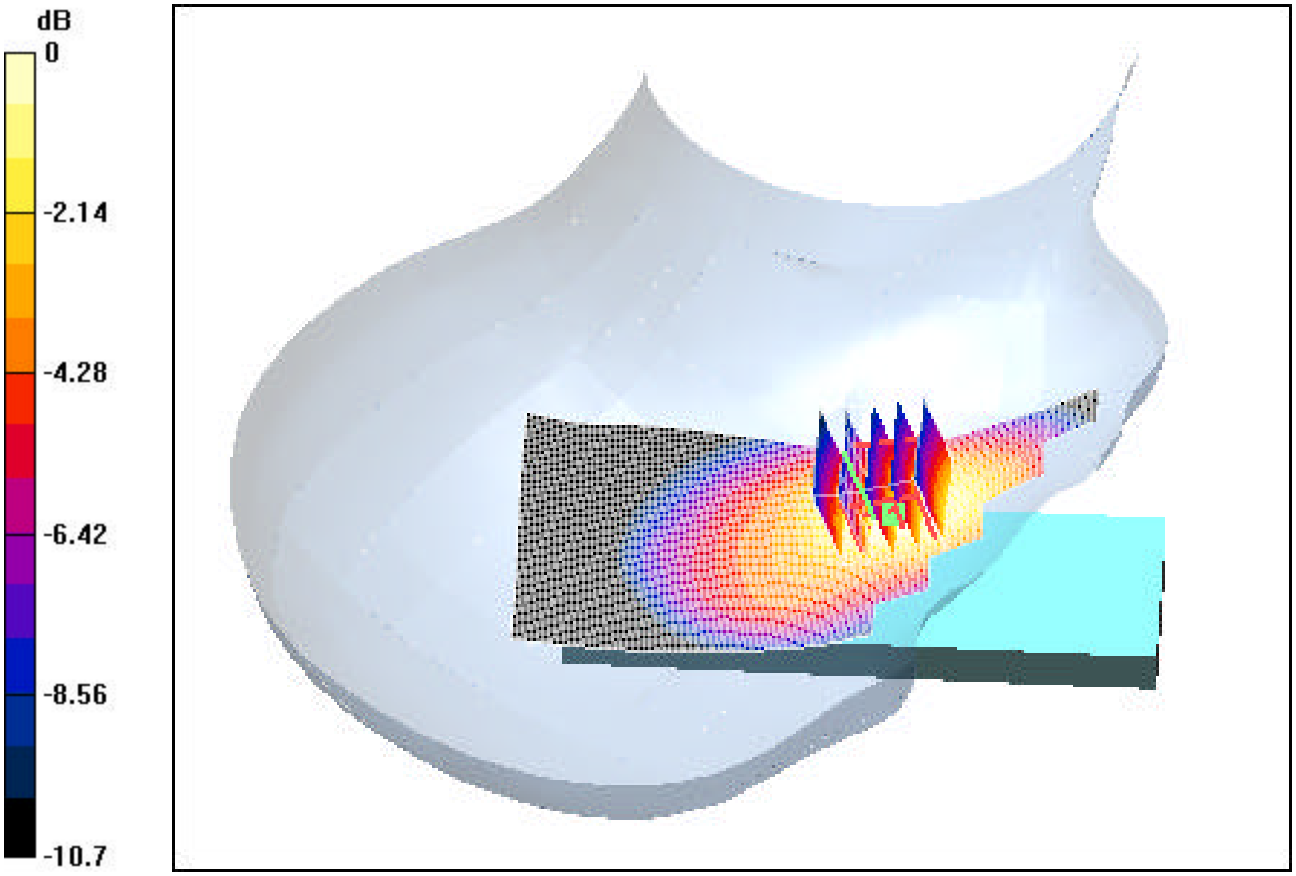
Communication System: Cellular CDMA; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: 835 Brain (σ = 0.88 mho/m, ε_r = 40.39, ρ = 1000 kg/m^3)
Phantom section: Right Section

Test Date: 06-30-2004; Ambient Temp: 23.9°C; Tissue Temp: 21.6°C

Probe: ES3DV2 - SN3022; ConvF(6.1, 6.1, 6.1); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 1/6/2004
Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Touch, Ch.0777, Ant.Out, Standard Battery

Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.2 V/m
Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 0.799 mW/g; SAR(10 g) = 0.524 mW/g



0 dB = 0.938mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LX5400A; Type: LG Dual Band Phone; Serial: FCC #1; Conducted Power: 24.5 dBm

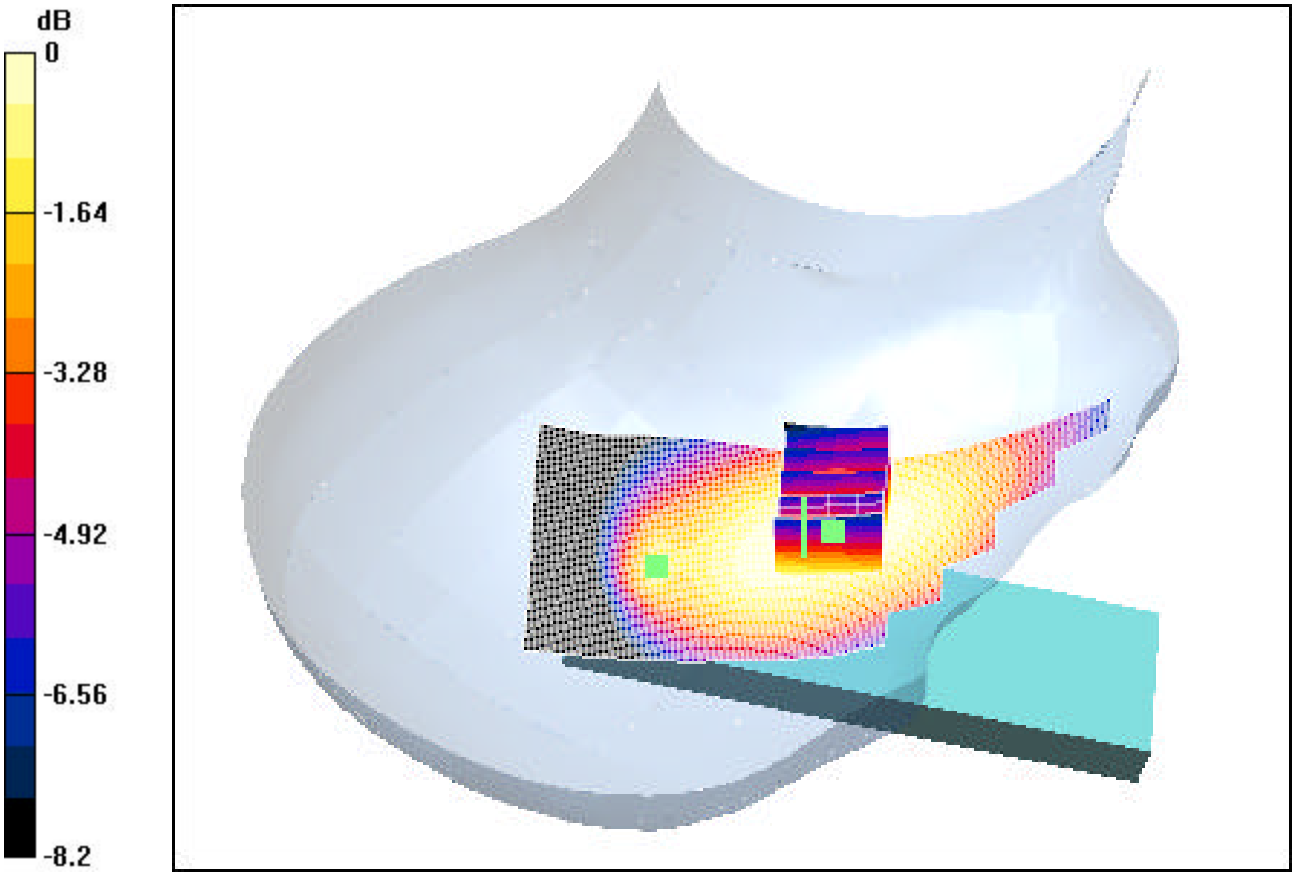
Communication System: Cellular CDMA; Frequency: 835.89 MHz;Duty Cycle: 1:1
Medium: 835 Brain (σ = 0.88 mho/m, ε_r = 40.39, ρ = 1000 kg/m^3)
Phantom section: Right Section

Test Date: 06-30-2004; Ambient Temp: 23.9°C; Tissue Temp: 21.6°C

Probe: ES3DV2 - SN3022; ConvF(6.1, 6.1, 6.1); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 1/6/2004
Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Tilt, Ch.0363, Ant.Out, Standard Battery

Area Scan (51x131x1): 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) = 0.221 W/kg
SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.137 mW/g



0 dB = 0.196mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LX5400A; Type: LG Dual Band Phone; Serial: FCC #1; Conducted Power: 24.5 dBm

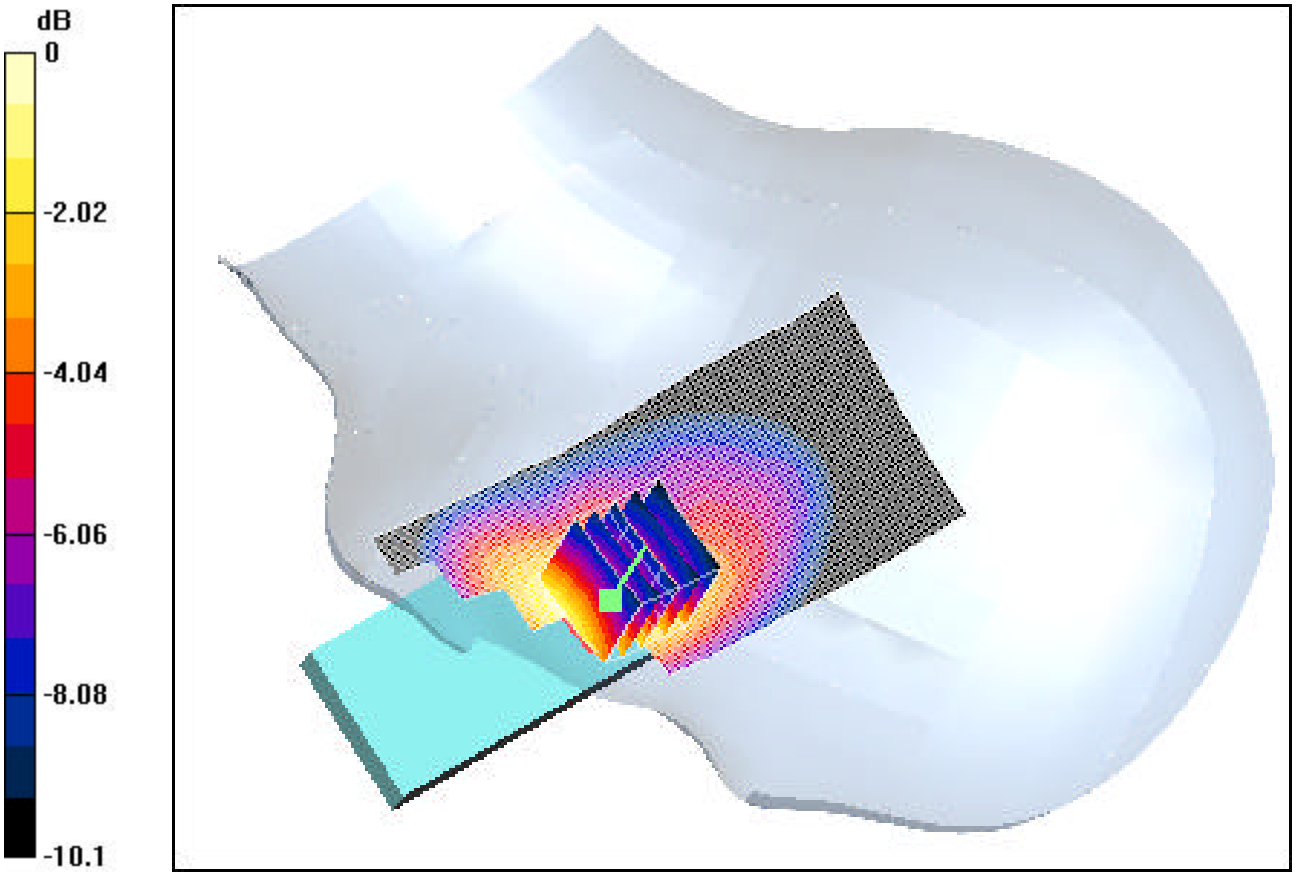
Communication System: Cellular CDMA; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: 835 Brain (σ = 0.88 mho/m, ε_r = 40.39, ρ = 1000 kg/m^3)
Phantom section: Left Section

Test Date: 06-30-2004; Ambient Temp: 23.9°C; Tissue Temp: 21.6°C

Probe: ES3DV2 - SN3022; ConvF(6.1, 6.1, 6.1); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 1/6/2004
Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Touch, Ch.0777, Ant.Out, Standard Battery

Area Scan (51x131x1): 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) = 1.4 W/kg
SAR(1 g) = 0.951 mW/g; SAR(10 g) = 0.631 mW/g



0 dB = 1.07mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LX5400A; Type: LG Dual Band Phone; Serial: FCC #1; Conducted Power: 24.5 dBm

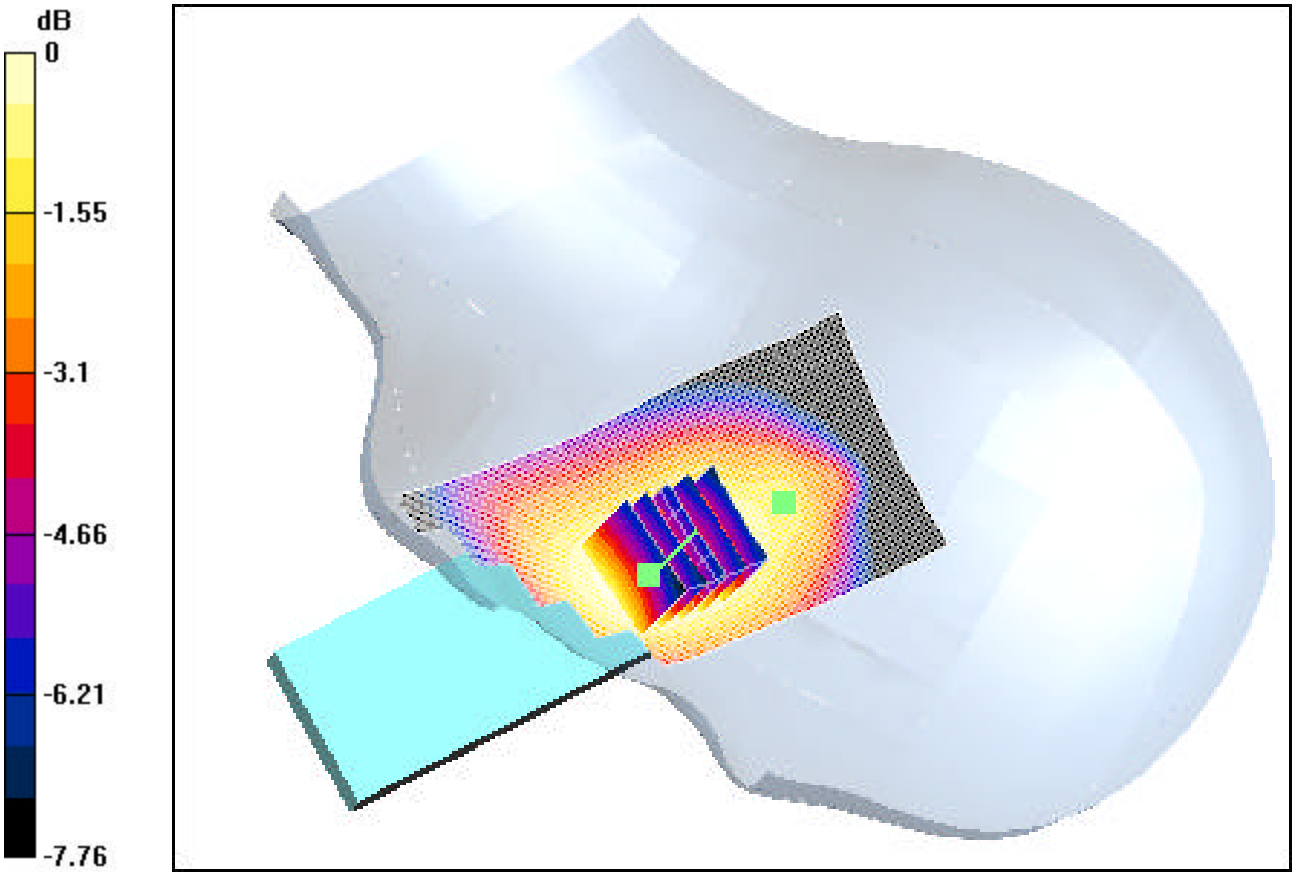
Communication System: Cellular CDMA; Frequency: 835.89 MHz;Duty Cycle: 1:1
Medium: 835 Brain (σ = 0.88 mho/m, ε_r = 40.39, ρ = 1000 kg/m^3)
Phantom section: Left Section

Test Date: 06-30-2004; Ambient Temp: 23.9°C; Tissue Temp: 21.6°C

Probe: ES3DV2 - SN3022; ConvF(6.1, 6.1, 6.1); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 1/6/2004
Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Tilt, Ch.0363, Ant.Out, Standard Battery

Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.1 V/m
Peak SAR (extrapolated) = 0.231 W/kg
SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.139 mW/g



0 dB = 0.201mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LX5400A; Type: LG Dual Band Phone; Serial: FCC #1; Conducted Power: 24.5 dBm

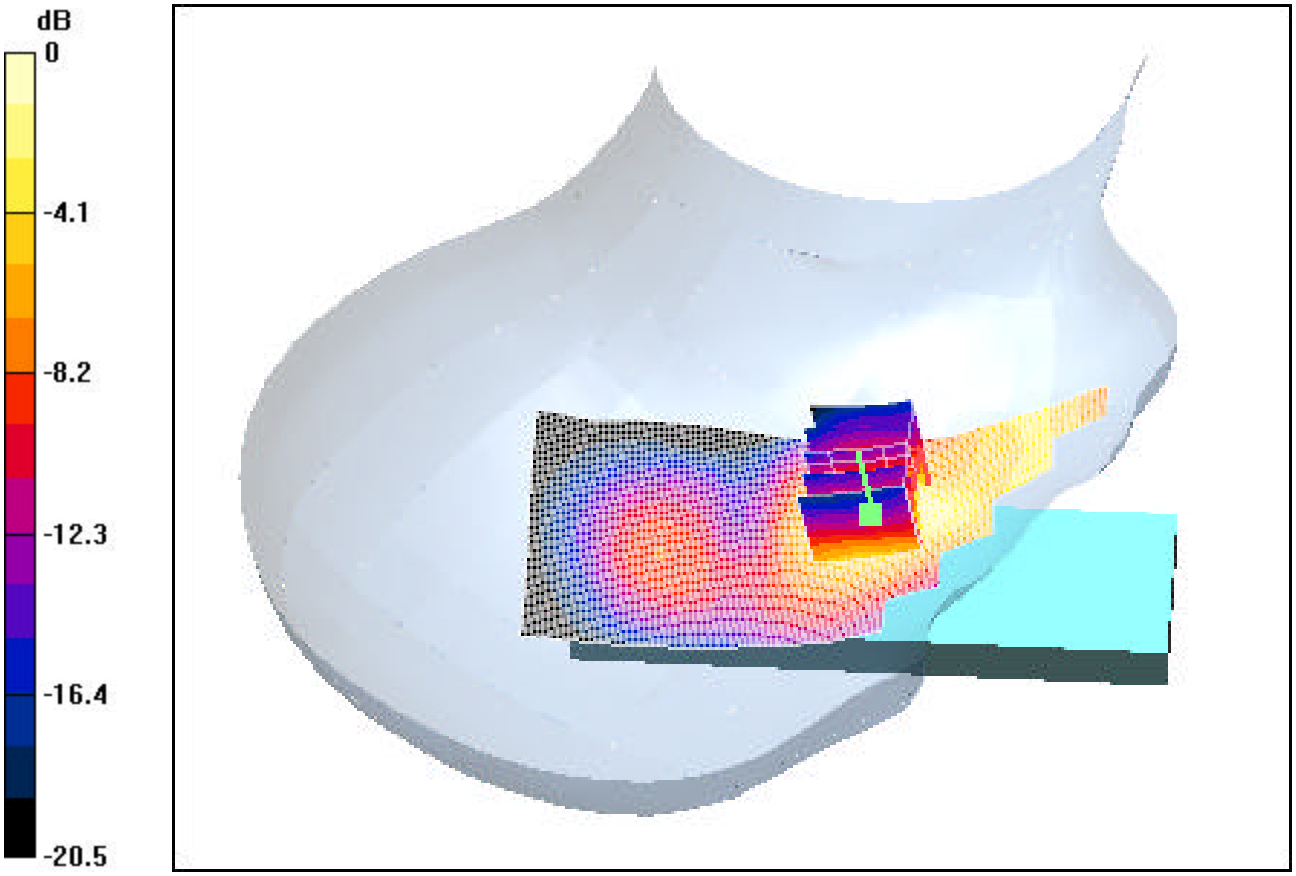
Communication System: PCS CDMA; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: 1900 Brain (σ = 1.45 mho/m, ε_r = 39.31, ρ = 1000 kg/m^3)
Phantom section: Right Section

Test Date: 07-01-2004; Ambient Temp: 23.3°C; Tissue Temp: 21.4°C

Probe: ES3DV2 - SN3022; ConvF(5, 5, 5); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 1/6/2004
Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Touch, Ch.0025, Ant.In, Standard Battery

Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.37 V/m
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.748 mW/g; SAR(10 g) = 0.401 mW/g



0 dB = 0.921mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LX5400A; Type: LG Dual Band Phone; Serial: FCC #1; Conducted Power: 24.5 dBm

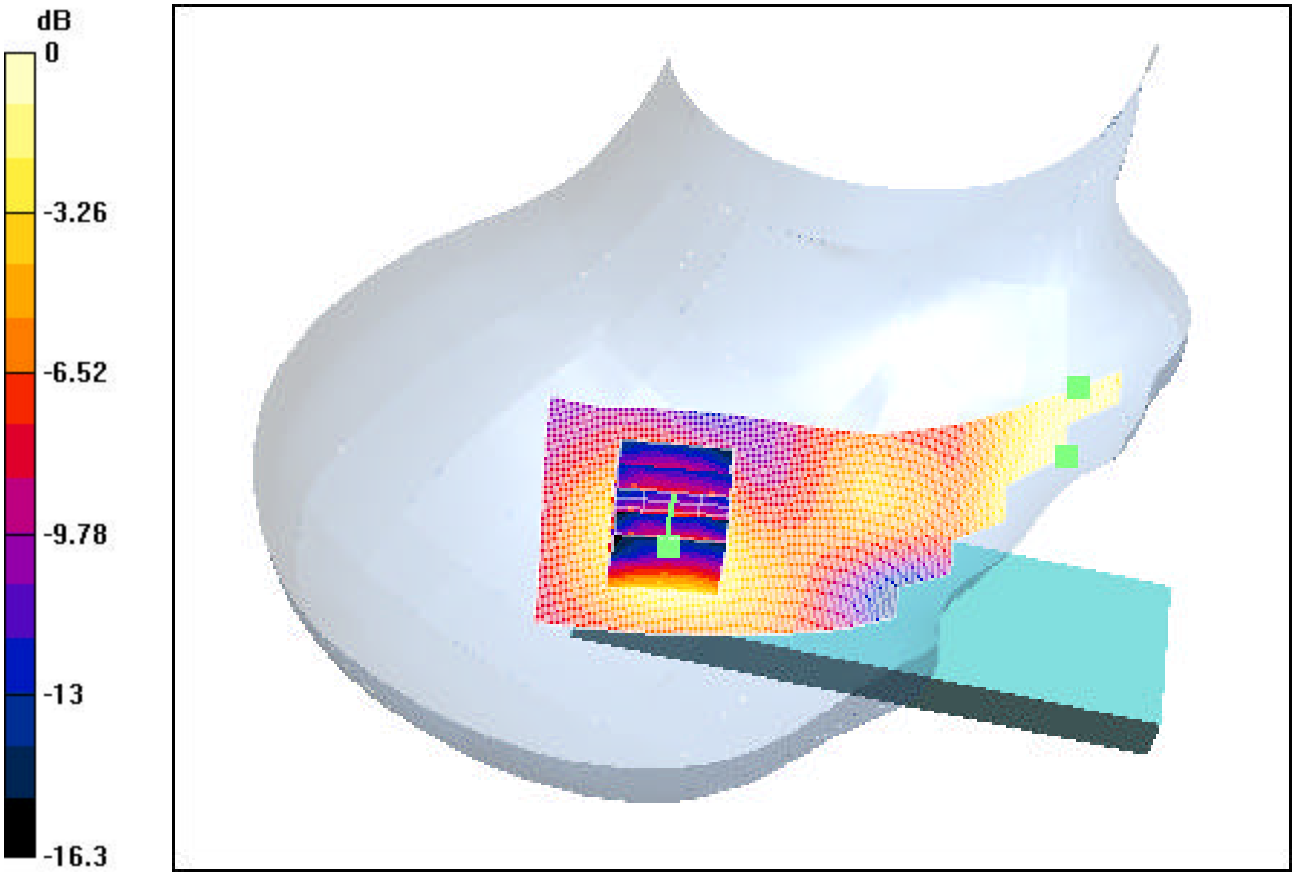
Communication System: PCS CDMA; Frequency: 1880.0 MHz;Duty Cycle: 1:1
Medium: 1900 Brain (σ = 1.45 mho/m, ε_r = 39.31, ρ = 1000 kg/m^3)
Phantom section: Right Section

Test Date: 07-01-2004; Ambient Temp: 23.3°C; Tissue Temp: 21.4°C

Probe: ES3DV2 - SN3022; ConvF(5, 5, 5); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 1/6/2004
Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Tilt, Ch.0600, Ant.In, Standard Battery

Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.35 V/m
Peak SAR (extrapolated) = 0.065 W/kg
SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.025 mW/g



0 dB = 0.049mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LX5400A; Type: LG Dual Band Phone; Serial: FCC #1

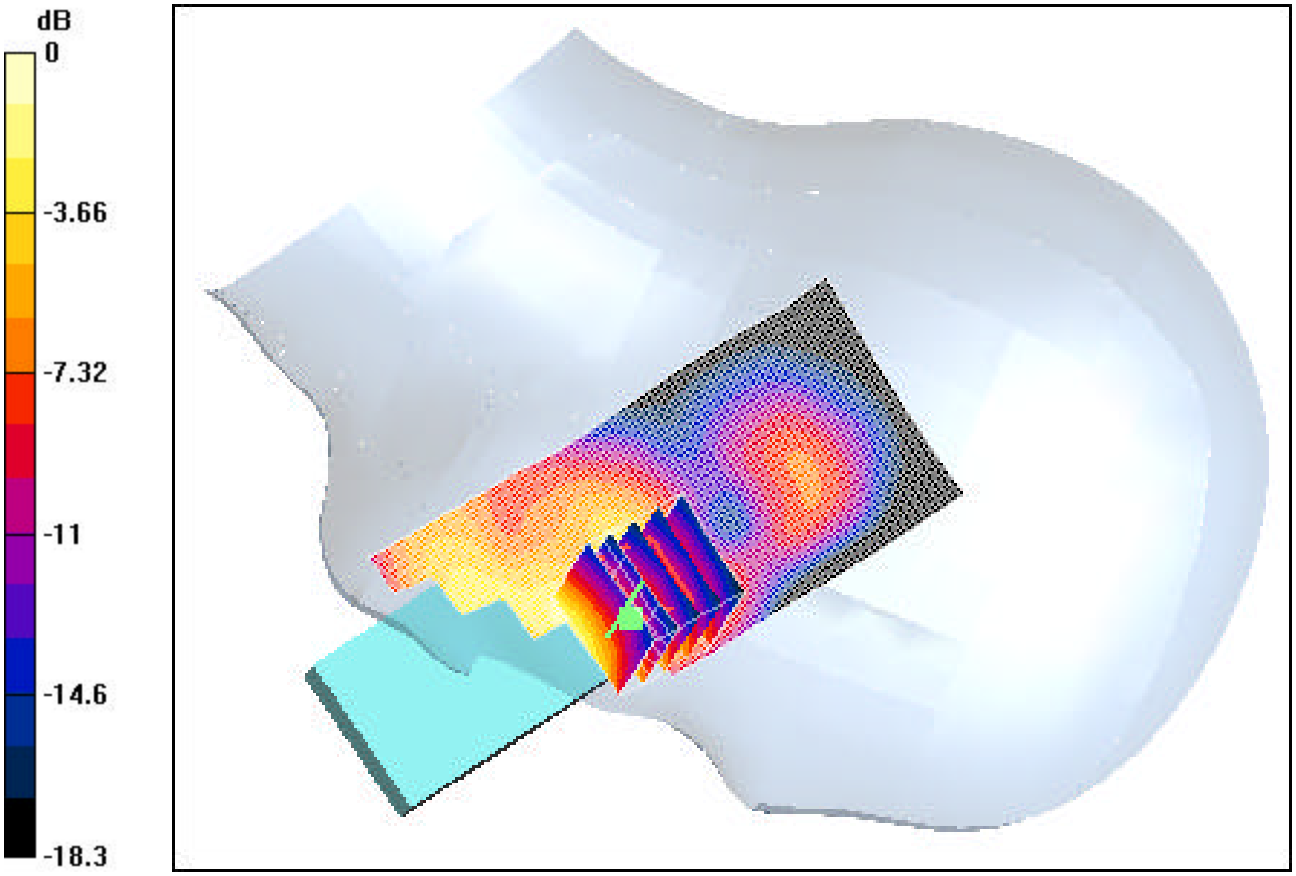
Communication System: PCS CDMA; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: 1900 Brain (σ = 1.45 mho/m, ε_r = 39.31, ρ = 1000 kg/m^3)
Phantom section: Left Section

Test Date: 07-01-2004; Ambient Temp: 23.3°C; Tissue Temp: 21.4°C

Probe: ES3DV2 - SN3022; ConvF(5, 5, 5); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 1/6/2004
Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Touch, Ch.0025, Ant.In, Standard Battery

Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.82 V/m; Power Drift = -5 dB
Maximum value of SAR (measured) = 0.862 mW/g
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.774 mW/g; SAR(10 g) = 0.428 mW/g



0 dB = 0.862mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LX5400A; Type: LG Dual Band Phone; Serial: FCC #1; Conducted Power: 24.5 dBm

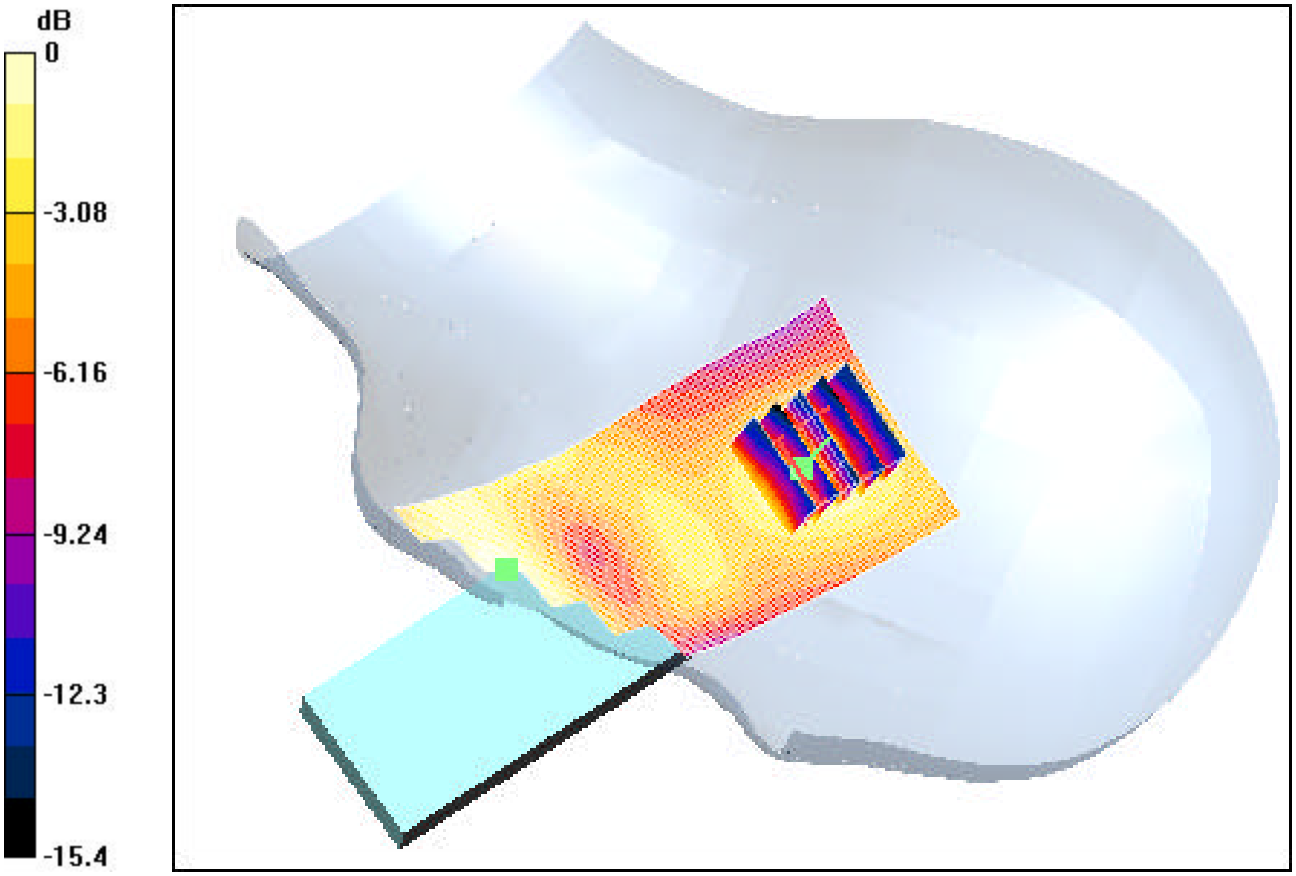
Communication System: PCS CDMA; Frequency: 1880.0 MHz;Duty Cycle: 1:1
Medium: 1900 Brain (σ = 1.45 mho/m, ε_r = 39.31, ρ = 1000 kg/m^3)
Phantom section: Left Section

Test Date: 07-01-2004; Ambient Temp: 23.3°C; Tissue Temp: 21.4°C

Probe: ES3DV2 - SN3022; ConvF(5, 5, 5); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 1/6/2004
Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Tilt, Ch.0600, Ant.Out, Standard Battery

Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.54 V/m
Peak SAR (extrapolated) = 0.061 W/kg
SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.020 mW/g



0 dB = 0.049mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LX5400A; Type: LG Dual Band Phone; Serial: FCC #1; Conducted Power: 24.5 dBm

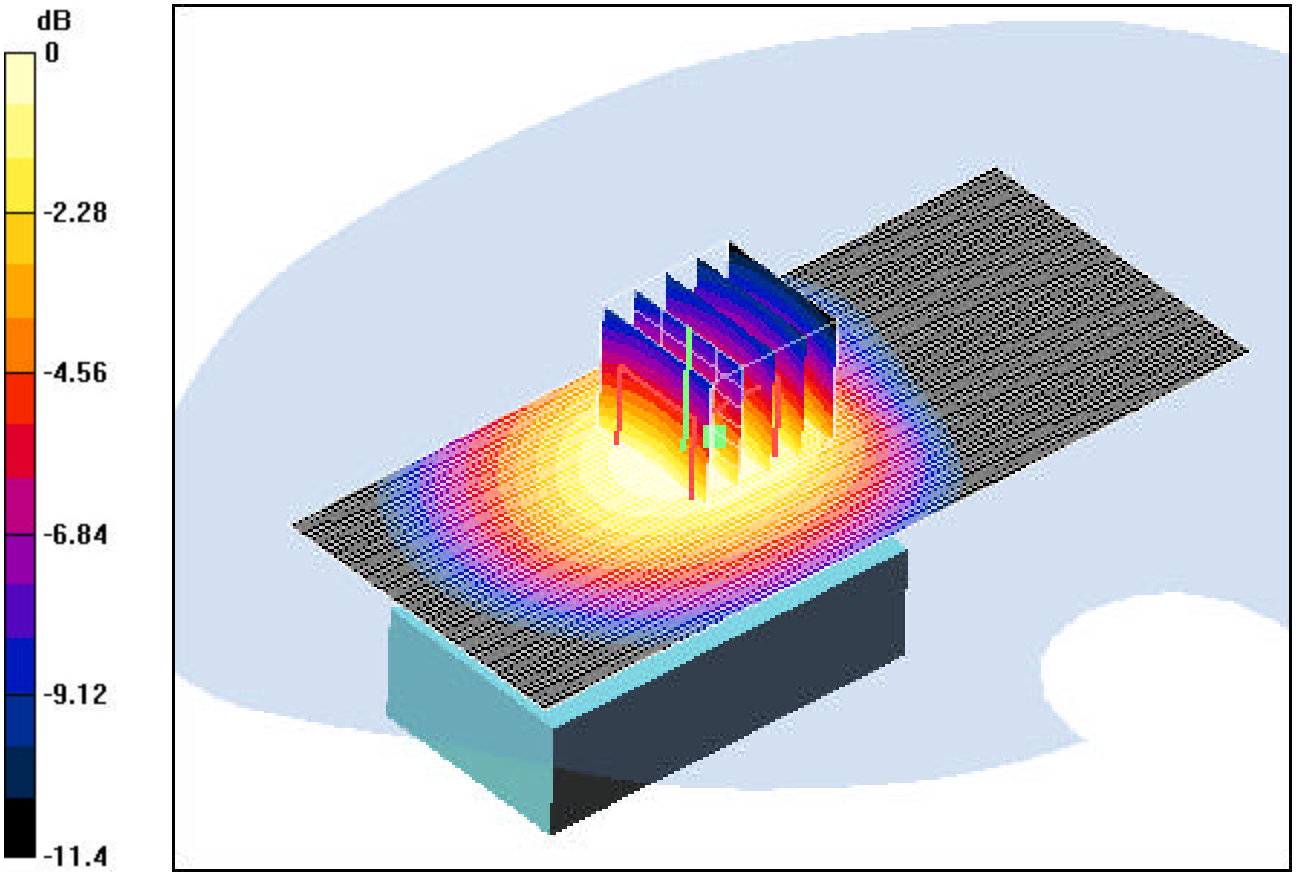
Communication System: Cellular CDMA; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: 835 Muscle (σ = 0.99 mho/m, ε_r = 53.85, ρ = 1000 kg/m^3)
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 07-02-2004; Ambient Temp: 22.8°C; Tissue Temp: 22.1°C

Probe: ES3DV2 - SN3022; ConvF(6, 6, 6); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 1/6/2004
Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Ch.0777, Ant Out, Standard Battery

Area Scan (51x121x1): 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) = 1.1 W/kg
SAR(1 g) = 0.787 mW/g; SAR(10 g) = 0.545 mW/g



0 dB = 0.896mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LX5400A; Type: LG Dual Band Phone; Serial: FCC #1; Conducted Power: 24.5 dBm

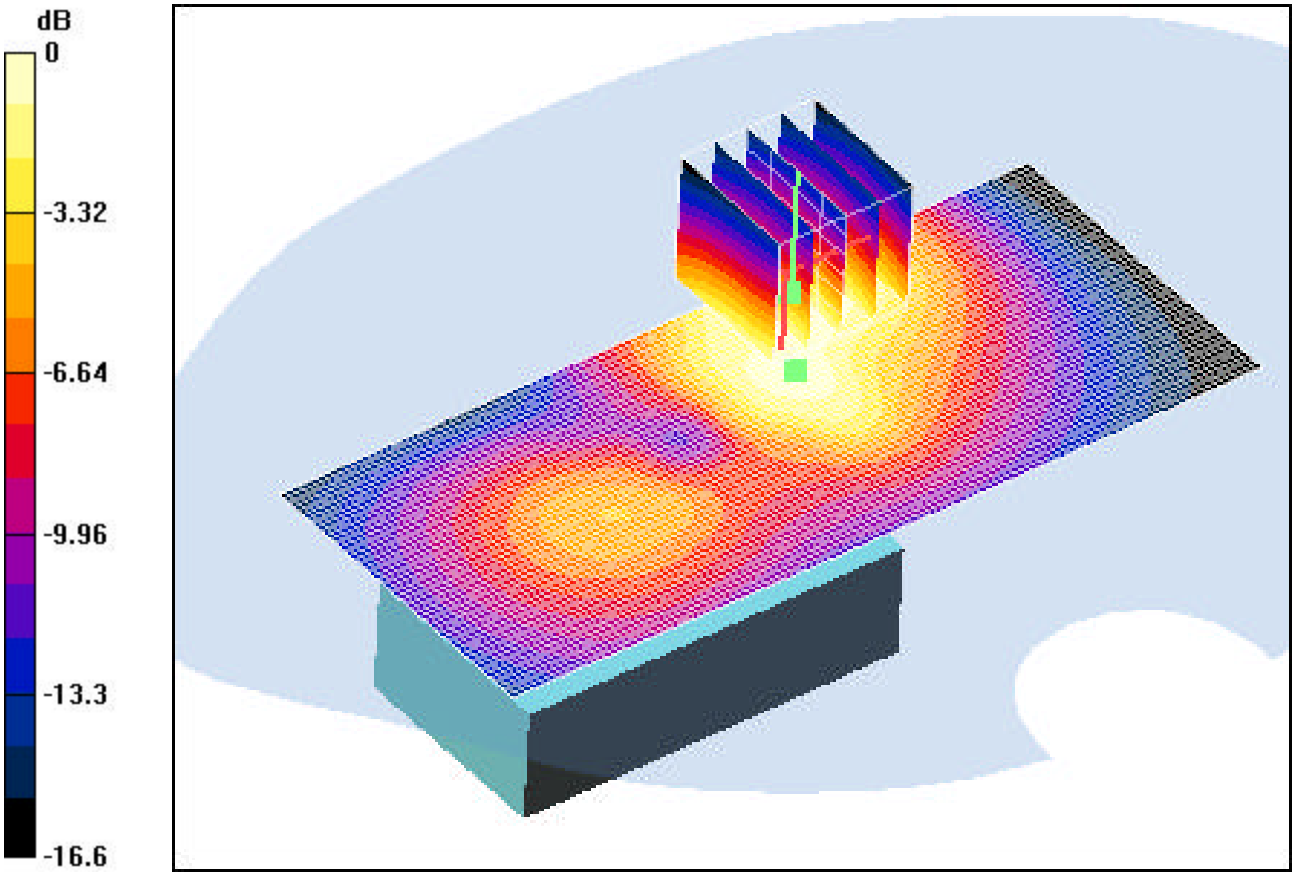
Communication System: PCS CDMA; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: 1900 Muscle (σ = 1.58 mho/m, ε_r = 51.28, ρ = 1000 kg/m^3)
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 07-02-2004; Ambient Temp: 23.4°C; Tissue Temp: 21.2°C

Probe: ES3DV2 - SN3022; ConvF(4.5, 4.5, 4.5); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 1/6/2004
Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Ch.0025, Ant Out, Standard Battery

Area Scan (51x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.1 V/m
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.706 mW/g; SAR(10 g) = 0.415 mW/g



0 dB = 0.854mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LX5400A; Type: LG Dual Band Phone; Serial: FCC #1; Conducted Power: 24.5 dBm

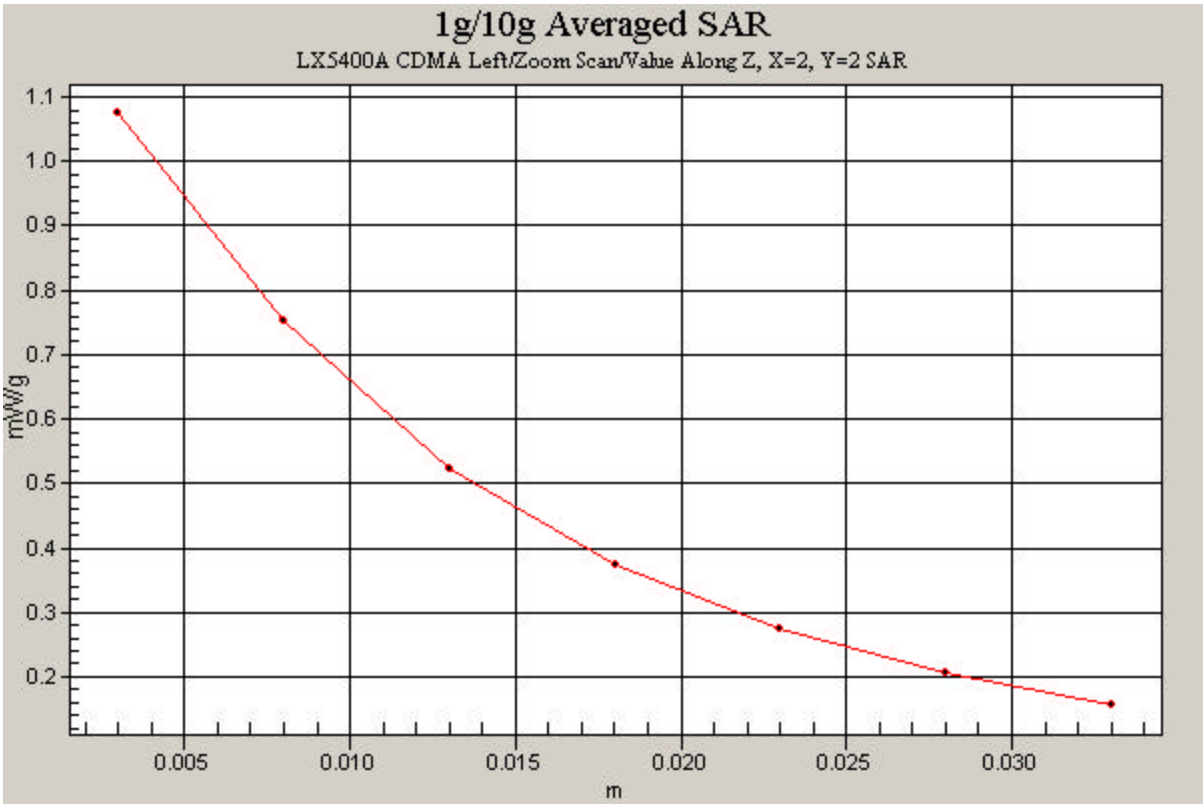
Communication System: Cellular CDMA; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: 835 Brain (σ = 0.88 mho/m, ε_r = 40.39, ρ = 1000 kg/m^3)
Phantom section: Left Section

Test Date: 06-30-2004; Ambient Temp: 23.9°C; Tissue Temp: 21.6°C

Probe: ES3DV2 - SN3022; ConvF(6.1, 6.1, 6.1); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 1/6/2004
Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Touch, Ch.0777, Ant.Out, Standard Battery

Area Scan (51x131x1): 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) = 1.4 W/kg
SAR(1 g) = 0.951 mW/g; SAR(10 g) = 0.631 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: LX5400A; Type: LG Dual Band Phone; Serial: FCC #1; Conducted Power: 24.5 dBm

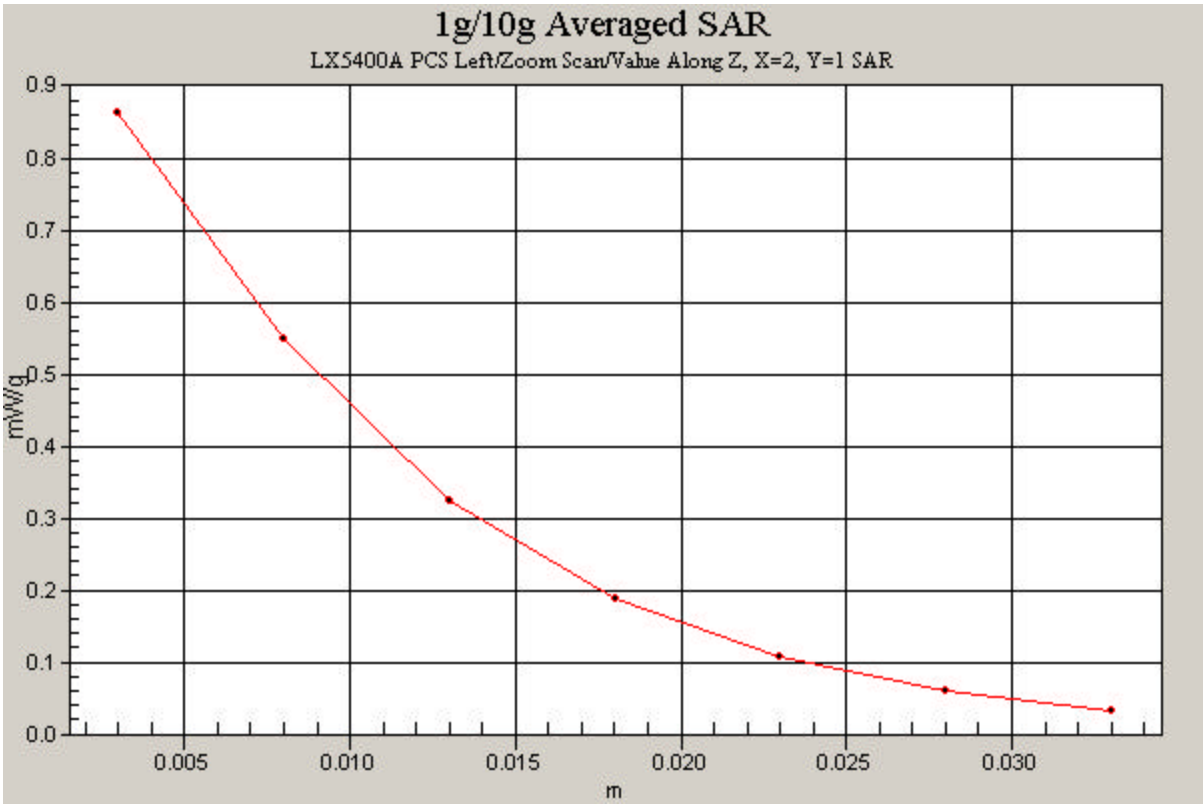
Communication System: PCS CDMA; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: 1900 Brain (σ = 1.45 mho/m, ε_r = 39.31, ρ = 1000 kg/m^3)
Phantom section: Left Section

Test Date: 07-01-2004; Ambient Temp: 23.3°C; Tissue Temp: 21.4°C

Probe: ES3DV2 - SN3022; ConvF(5, 5, 5); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 1/6/2004
Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Touch, Ch.0025, Ant.In, Standard Battery

Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.82 V/m
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.774 mW/g; SAR(10 g) = 0.428 mW/g



PCTEST ENGINEERING LABORATORY, INC.

DUT: LX5400A; Type: LG Dual Band Phone; Serial: FCC #1; Conducted Power: 24.5 dBm

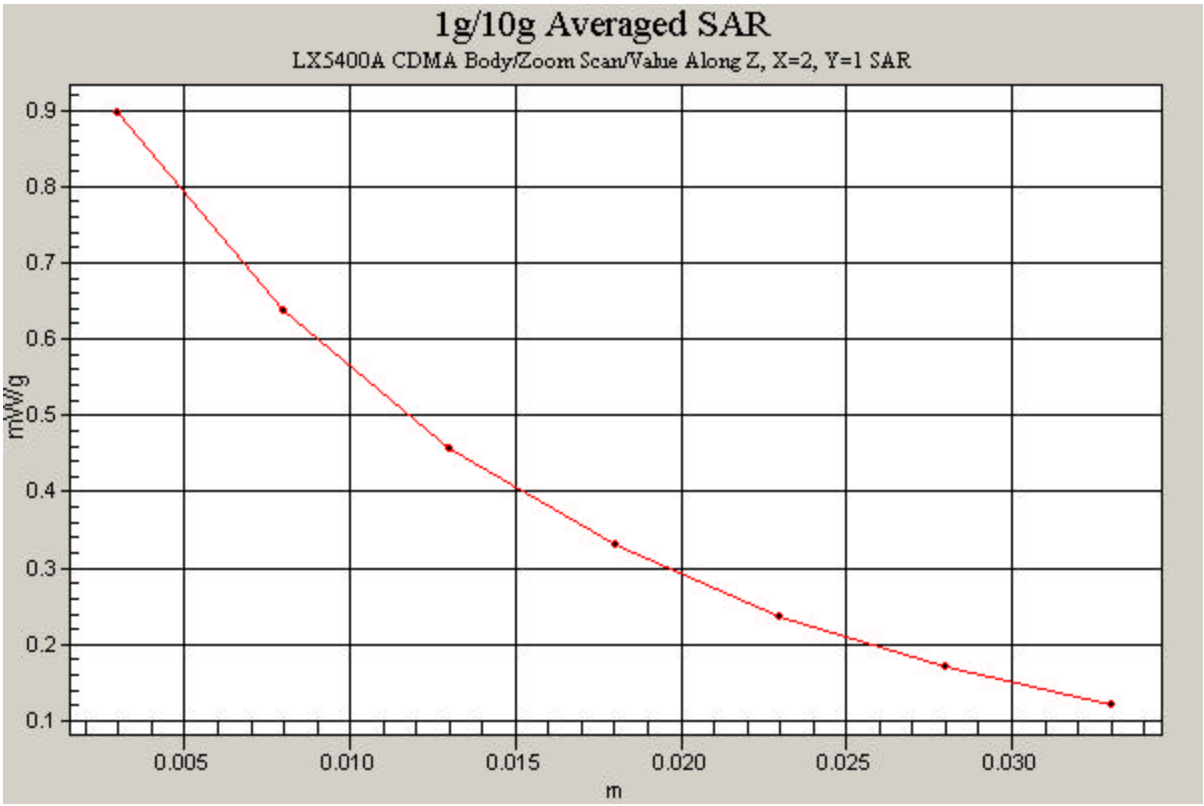
Communication System: Cellular CDMA; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: 835 Muscle (σ = 0.99 mho/m, ε_r = 53.85, ρ = 1000 kg/m^3)
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 07-02-2004; Ambient Temp: 22.8°C; Tissue Temp: 22.1°C

Probe: ES3DV2 - SN3022; ConvF(6, 6, 6); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 1/6/2004
Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Ch.0777, Ant Out, Standard Battery

Area Scan (51x121x1): 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) = 1.1 W/kg
SAR(1 g) = 0.787 mW/g; SAR(10 g) = 0.545 mW/g



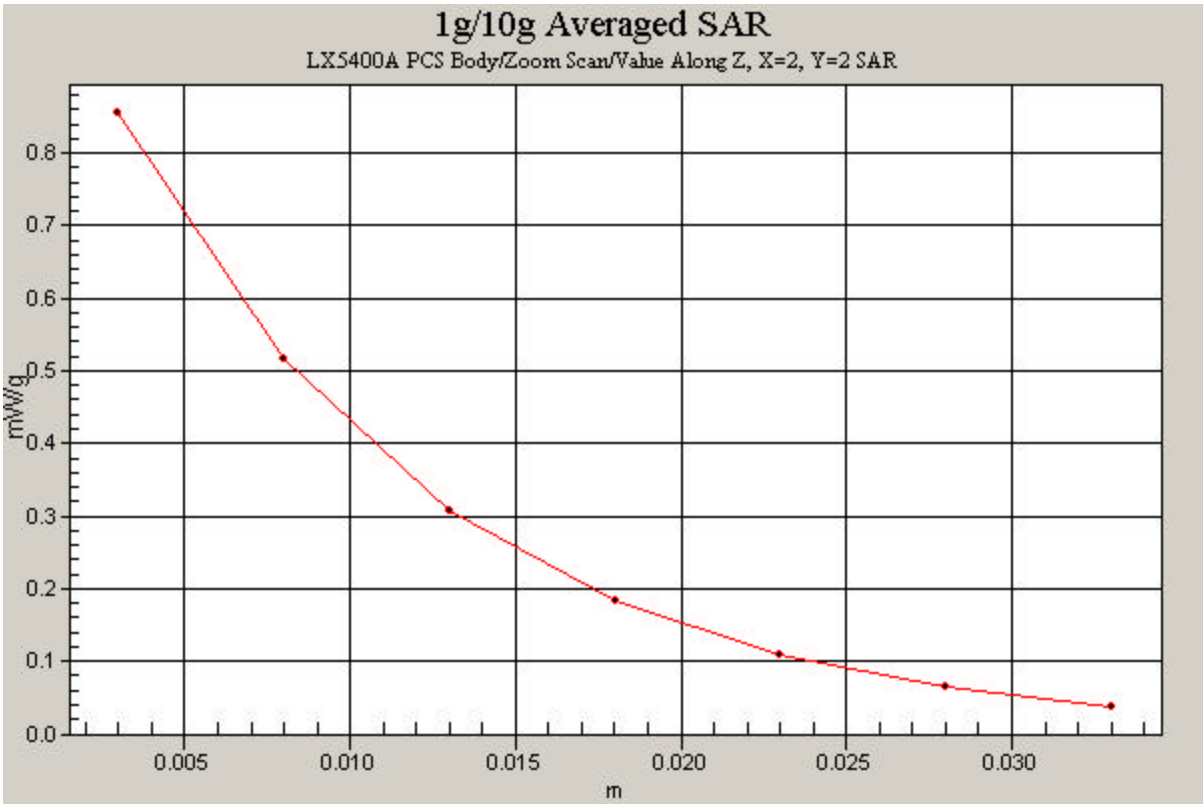
PCTEST ENGINEERING LABORATORY, INC.

DUT: LX5400A; Type: LG Dual Band Phone; Serial: FCC #1; Conducted Power: 24.5 dBm

Communication System: PCS CDMA; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: 1900 Muscle (σ = 1.58 mho/m, ε_r = 51.28, ρ = 1000 kg/m^3)
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 07-02-2004; Ambient Temp: 23.4°C; Tissue Temp: 21.2°C

Probe: ES3DV2 - SN3022; ConvF(4.5, 4.5, 4.5); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 1/6/2004
Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Ch.0025, Ant Out, Standard Battery

Area Scan (51x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.1 V/m
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.706 mW/g; SAR(10 g) = 0.415 mW/g