APPENDIX A: SAR TEST DATA

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PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 11

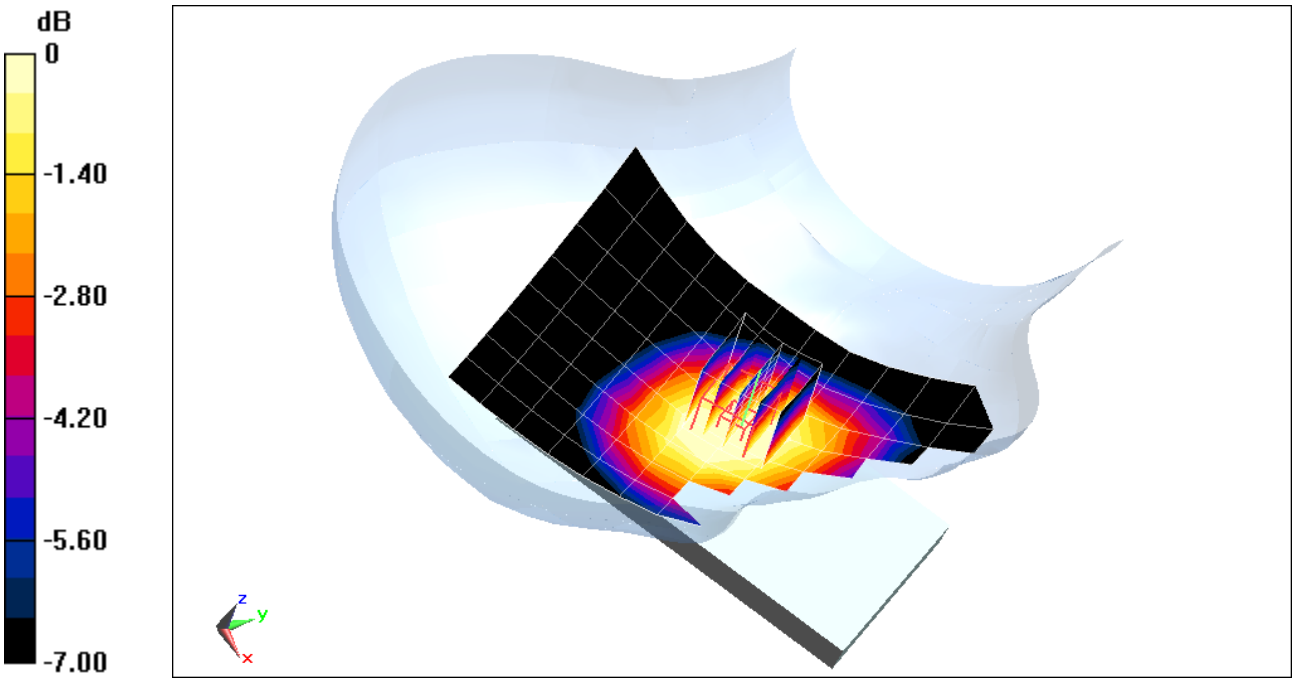
Communication System: CDMA; Frequency: 820.1 MHz;Duty Cycle: 1:1
Medium: 835 Head Medium parameters used (interpolated):
f = 820.1 MHz; σ = 0.888 mho/m; ε_r = 41.49; ρ = 1000 kg/m^3
Phantom section: Right Section

Test Date: 09-10-2012; Ambient Temp: 23.3°C; Tissue Temp: 22.9°C

Probe: ES3DV3 - SN3213; ConvF(6.07, 6.07, 6.07); Calibrated: 4/24/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1334; Calibrated: 5/7/2012
Phantom: SAM Front; Type: SAM; Serial: 1715
Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Mode: Cell. EVDO Rev. A - FCC Rule Part 90S, Right Head, Cheek, Mid.ch

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.971 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.2020 W/kg
SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.128 mW/g



0 dB = 0.180mW/g = -14.89 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 11

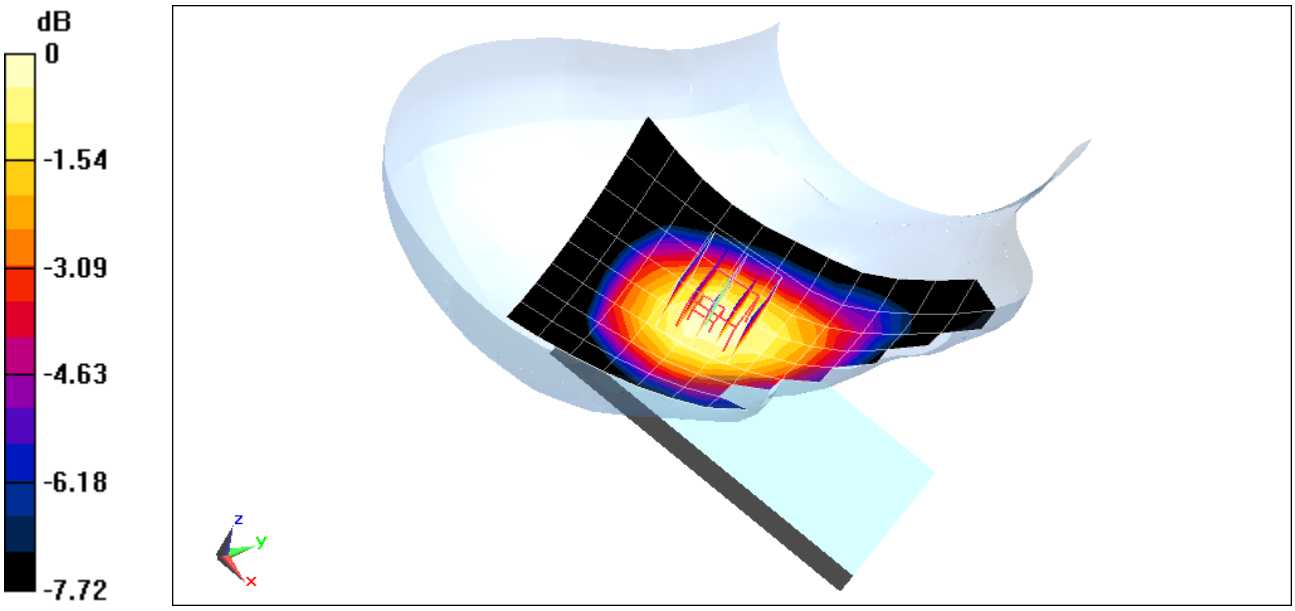
Communication System: CDMA; Frequency: 820.1 MHz;Duty Cycle: 1:1
Medium: 835 Head Medium parameters used (interpolated):
f = 820.1 MHz; σ = 0.888 mho/m; ε_r = 41.49; ρ = 1000 kg/m^3
Phantom section: Right Section

Test Date: 09-10-2012; Ambient Temp: 23.3°C; Tissue Temp: 22.9°C

Probe: ES3DV3 - SN3213; ConvF(6.07, 6.07, 6.07); Calibrated: 4/24/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1334; Calibrated: 5/7/2012
Phantom: SAM Front; Type: SAM; Serial: 1715
Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Mode: Cell. EVDO Rev. A - FCC Rule Part 90S, Right Head, Tilt, Mid.ch

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.996 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.1190 W/kg
SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.076 mW/g



0 dB = 0.100mW/g = -20.00 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 11

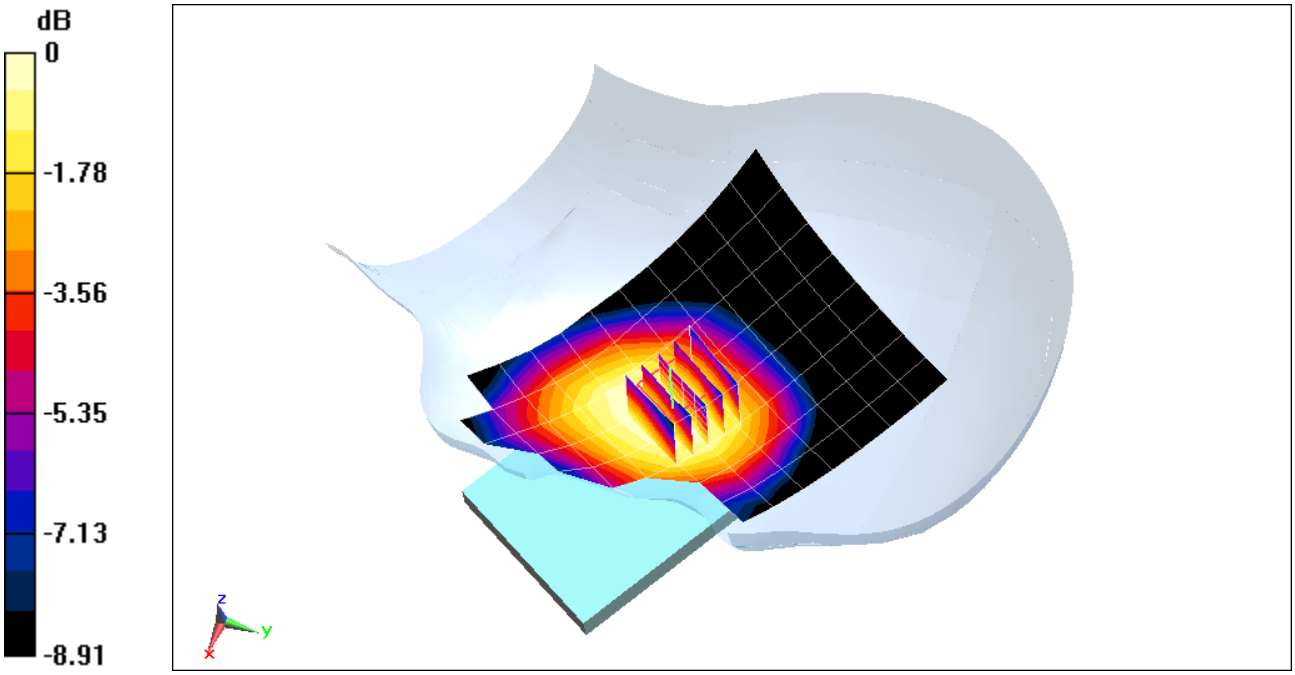
Communication System: CDMA; Frequency: 820.1 MHz;Duty Cycle: 1:1
Medium: 835 Head Medium parameters used (interpolated):
f = 820.1 MHz; σ = 0.888 mho/m; ε_r = 41.49; ρ = 1000 kg/m^3
Phantom section: Left Section

Test Date: 09-10-2012; Ambient Temp: 23.3°C; Tissue Temp: 22.9°C

Probe: ES3DV3 - SN3213; ConvF(6.07, 6.07, 6.07); Calibrated: 4/24/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1334; Calibrated: 5/7/2012
Phantom: SAM Front; Type: SAM; Serial: 1715
Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Mode: Cell. EVDO Rev. A - FCC Rule Part 90S, Left Head, Cheek, Mid.ch

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.477 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.2080 W/kg
SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.126 mW/g



0 dB = 0.170mW/g = -15.39 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 11

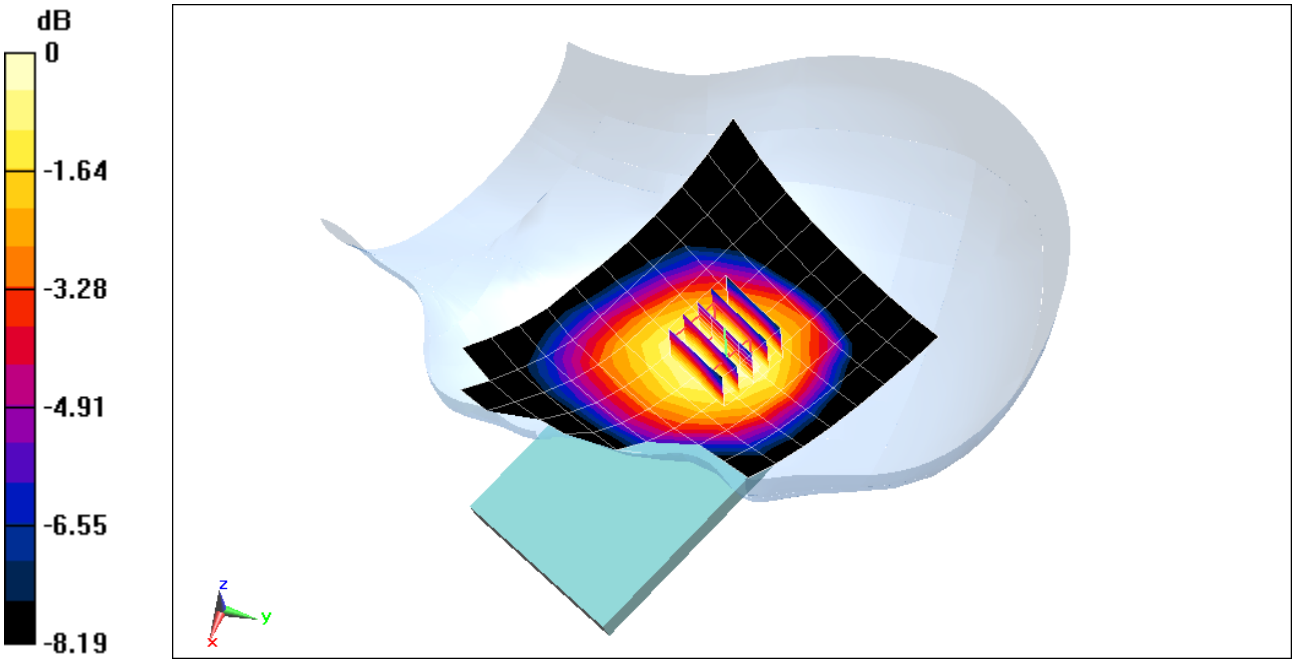
Communication System: CDMA; Frequency: 820.1 MHz;Duty Cycle: 1:1
Medium: 835 Head Medium parameters used (interpolated):
f = 820.1 MHz; σ = 0.888 mho/m; ε_r = 41.49; ρ = 1000 kg/m^3
Phantom section: Left Section

Test Date: 09-10-2012; Ambient Temp: 23.3°C; Tissue Temp: 22.9°C

Probe: ES3DV3 - SN3213; ConvF(6.07, 6.07, 6.07); Calibrated: 4/24/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1334; Calibrated: 5/7/2012
Phantom: SAM Front; Type: SAM; Serial: 1715
Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Mode: Cell. EVDO Rev. A - FCC Rule Part 90S, Left Head, Tilt, Mid.ch

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.309 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.1250 W/kg
SAR(1 g) = 0.106 mW/g; SAR(10 g) = 0.083 mW/g



0 dB = 0.110mW/g = -19.17 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32386

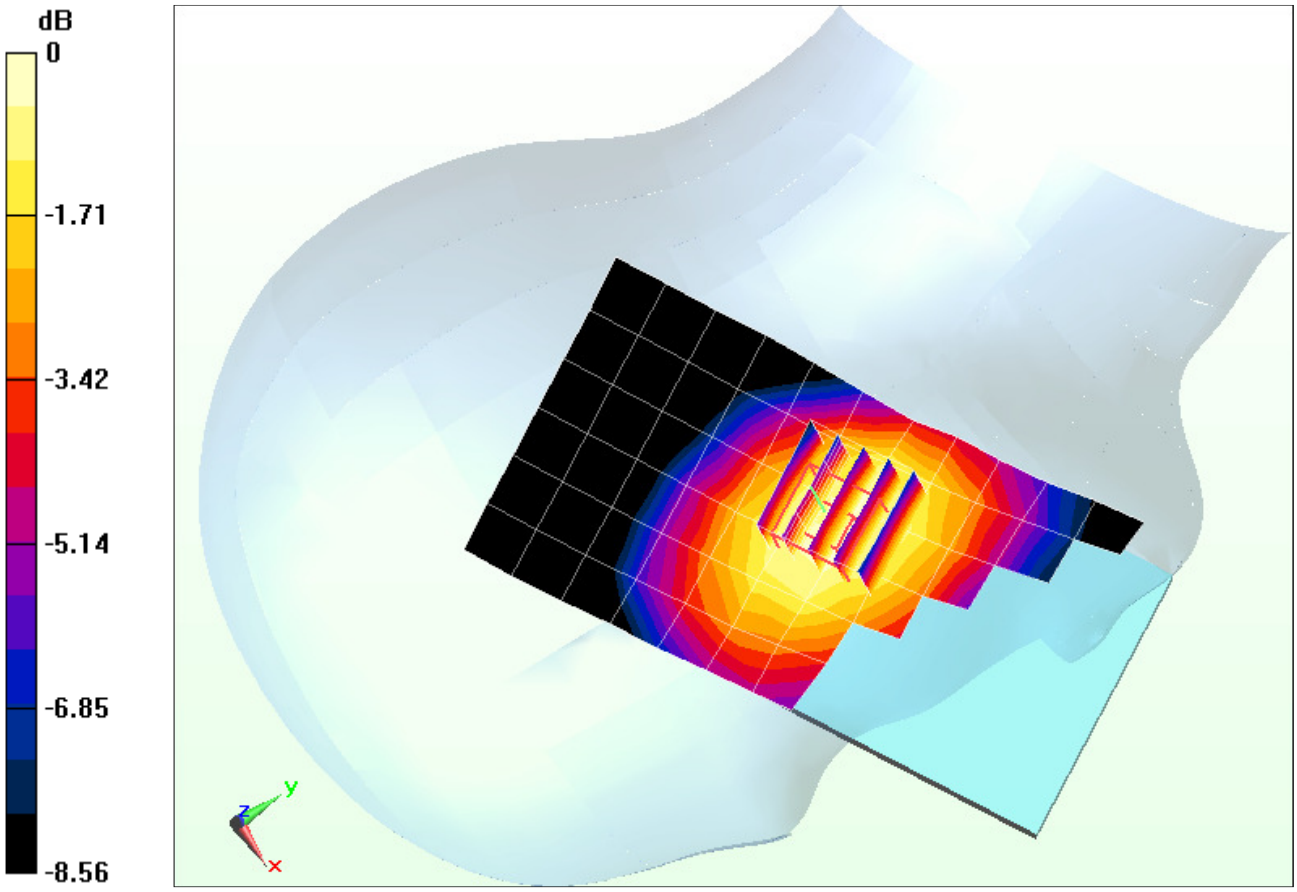
Communication System: Cellular CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: 835 Head; Medium parameters used (interpolated):
f = 836.52 MHz; σ = 0.882 mho/m; ε_r = 39.881; ρ = 1000 kg/m^3
Phantom section: Right Section

Test Date: 08-15-2012; Ambient Temp: 24.8°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3258; ConvF(6.01, 6.01, 6.01); Calibrated: 2/21/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP-1403
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: Cellular CDMA - FCC Rule Part 22H, Right Head, Cheek, Mid.ch

Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.213 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.266 mW/g
SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.174 mW/g



0 dB = 0.231 mW/g = -12.73 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32386

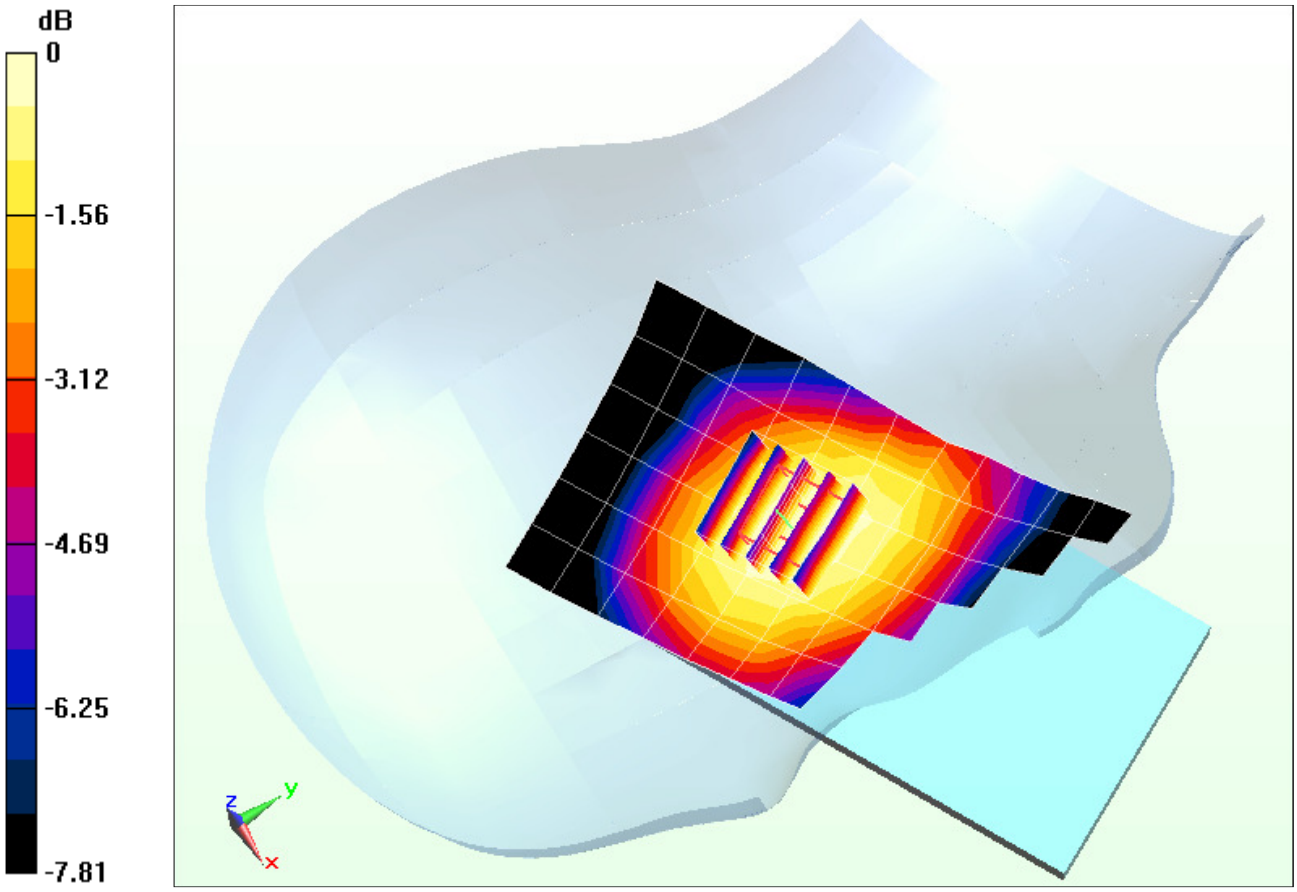
Communication System: Cellular CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: 835 Head; Medium parameters used (interpolated):
f = 836.52 MHz; σ = 0.882 mho/m; ε_r = 39.881; ρ = 1000 kg/m^3
Phantom section: Right Section

Test Date: 08-15-2012; Ambient Temp: 24.8°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3258; ConvF(6.01, 6.01, 6.01); Calibrated: 2/21/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP-1403
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: Cellular CDMA - FCC Rule Part 22H, Right Head, Tilt, Mid.ch

Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.152 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.132 mW/g
SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.091 mW/g



0 dB = 0.119 mW/g = -18.49 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32386

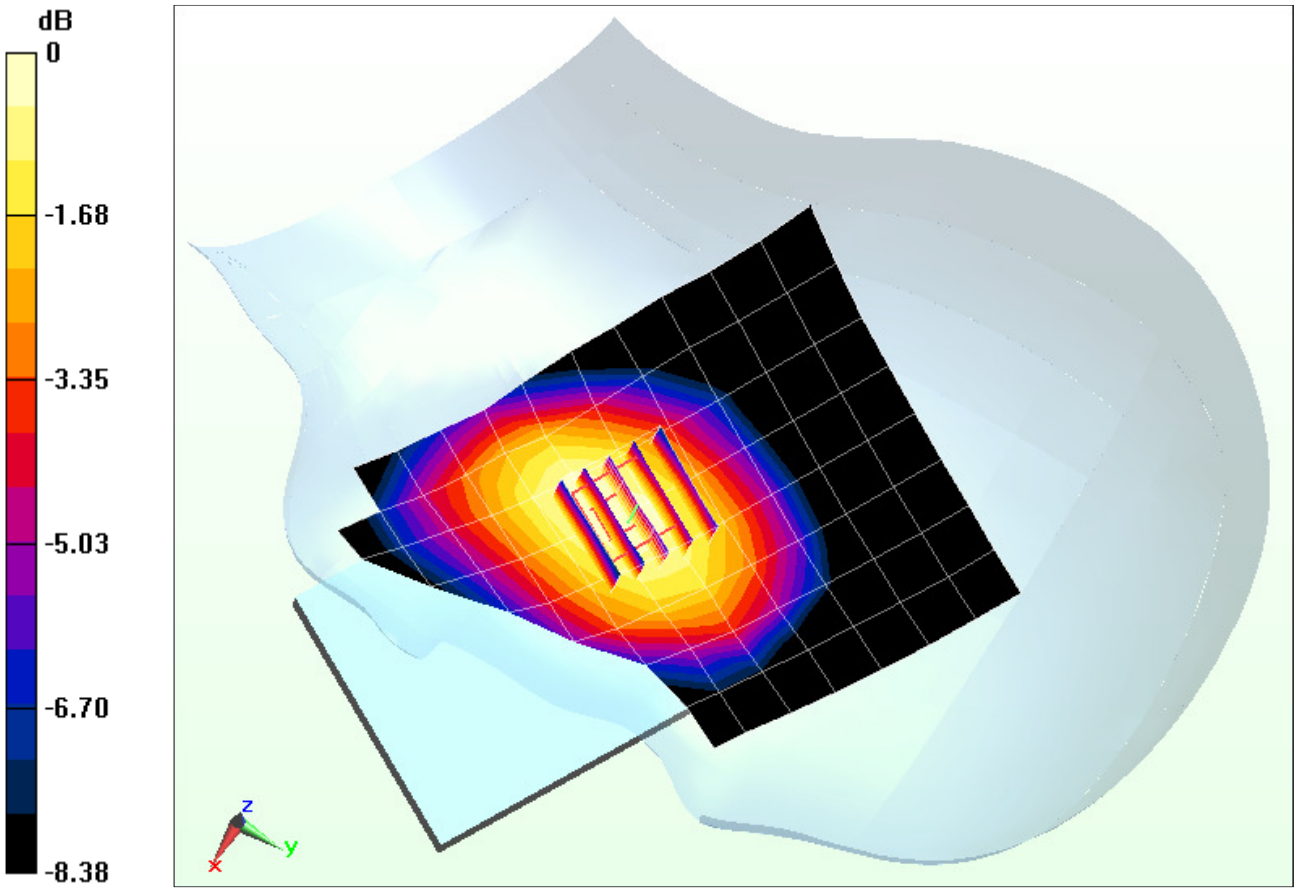
Communication System: Cellular CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: 835 Head; Medium parameters used (interpolated):
f = 836.52 MHz; σ = 0.882 mho/m; ε_r = 39.881; ρ = 1000 kg/m^3
Phantom section: Left Section

Test Date: 08-15-2012; Ambient Temp: 24.8°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3258; ConvF(6.01, 6.01, 6.01); Calibrated: 2/21/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP-1403
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: Cellular CDMA - FCC Rule Part 22H, Left Head, Cheek, Mid.ch

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.224 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.315 mW/g
SAR(1 g) = 0.255 mW/g; SAR(10 g) = 0.197 mW/g



0 dB = 0.269 mW/g = -11.40 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32386

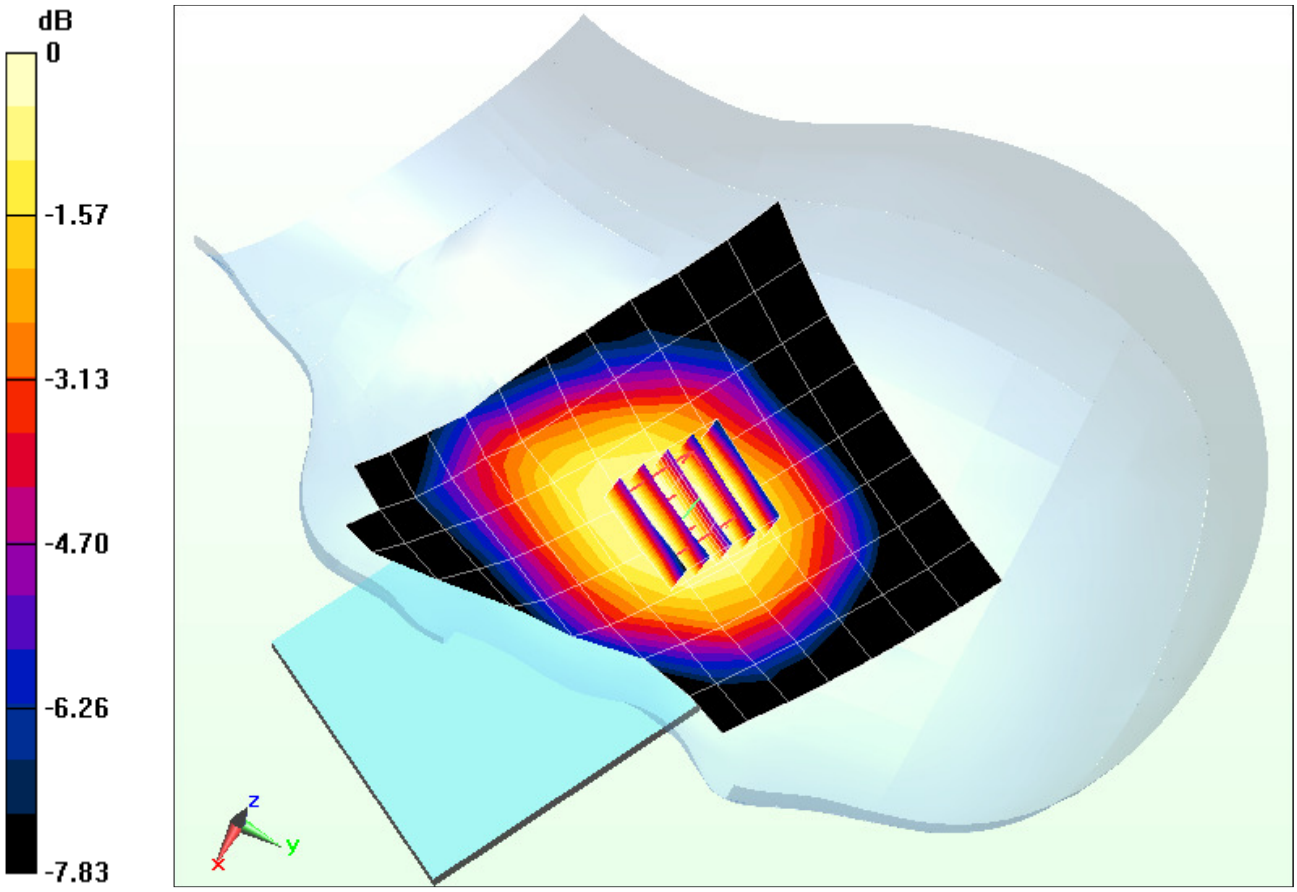
Communication System: Cellular CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: 835 Head; Medium parameters used (interpolated):
f = 836.52 MHz; σ = 0.882 mho/m; ε_r = 39.881; ρ = 1000 kg/m^3
Phantom section: Left Section

Test Date: 08-15-2012; Ambient Temp: 24.8°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3258; ConvF(6.01, 6.01, 6.01); Calibrated: 2/21/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP-1403
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: Cellular CDMA - FCC Rule Part 22H, Left Head, Tilt, Mid.ch

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.448 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.160 mW/g
SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.111 mW/g



0 dB = 0.143 mW/g = -16.89 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32388

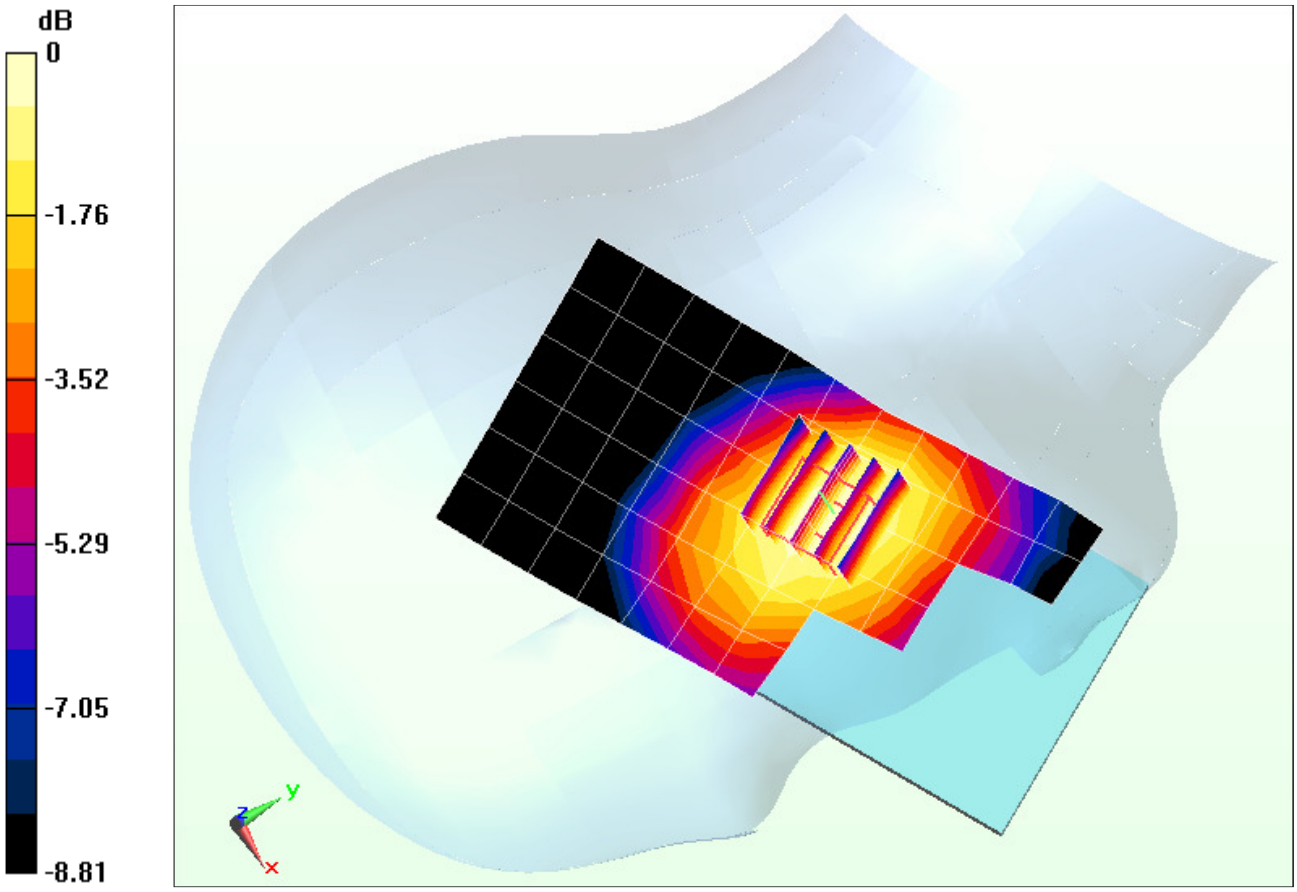
Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium: 835 Head; Medium parameters used (interpolated):
f = 836.6 MHz; σ = 0.882 mho/m; ε_r = 39.88; ρ = 1000 kg/m^3
Phantom section: Right Section

Test Date: 08-15-2012; Ambient Temp: 24.8°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3258; ConvF(6.01, 6.01, 6.01); Calibrated: 2/21/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP-1403
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: GSM 850, Right Head, Cheek, Mid.ch

Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.727 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.186 mW/g
SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.122 mW/g



0 dB = 0.164 mW/g = -15.70 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32388

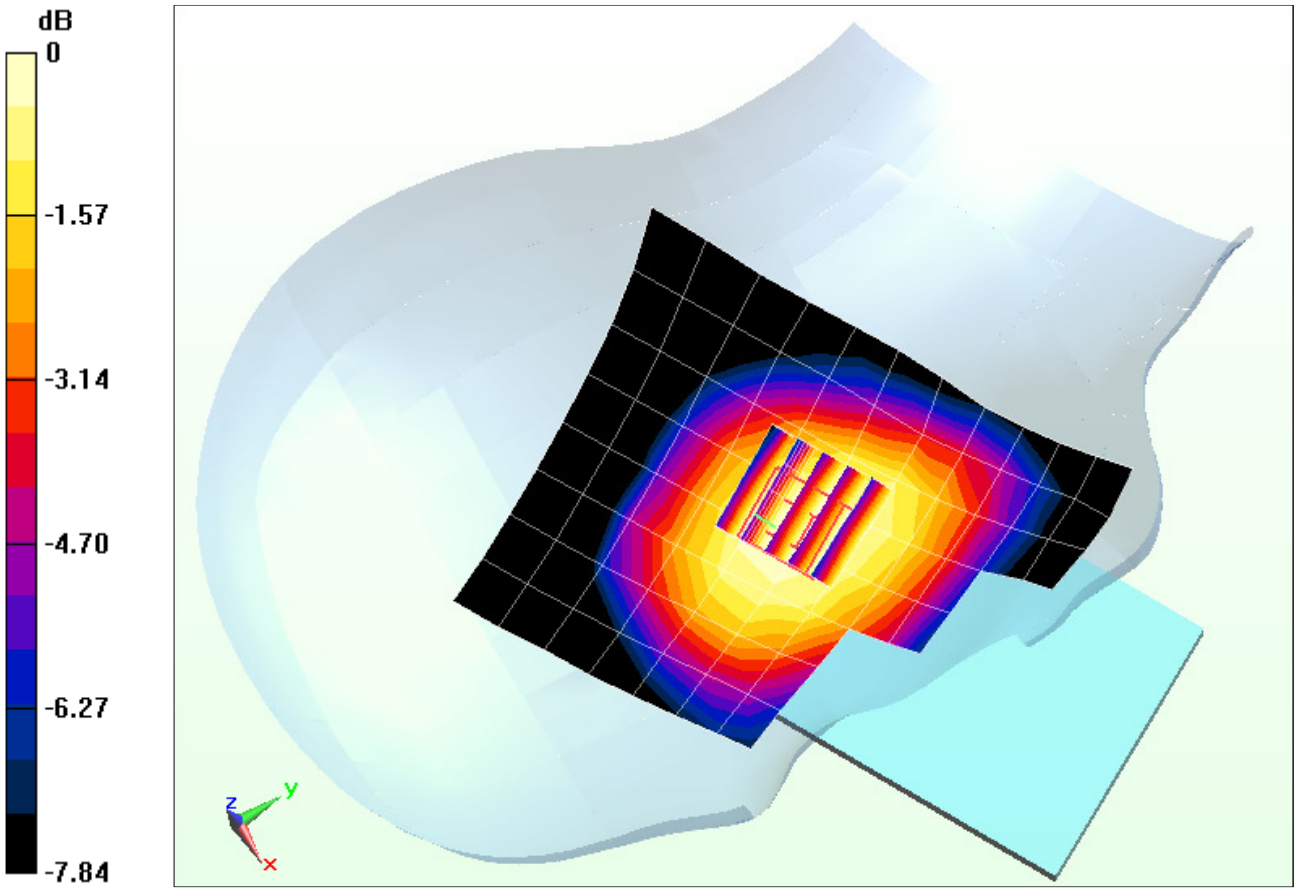
Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium: 835 Head; Medium parameters used (interpolated):
f = 836.6 MHz; σ = 0.882 mho/m; ε_r = 39.88; ρ = 1000 kg/m^3
Phantom section: Right Section

Test Date: 08-15-2012; Ambient Temp: 24.8°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3258; ConvF(6.01, 6.01, 6.01); Calibrated: 2/21/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP-1403
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: GSM 850, Right Head, Tilt, Mid.ch

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.034 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.099 mW/g
SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.067 mW/g



0 dB = 0.0881 mW/g = -21.10 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32388

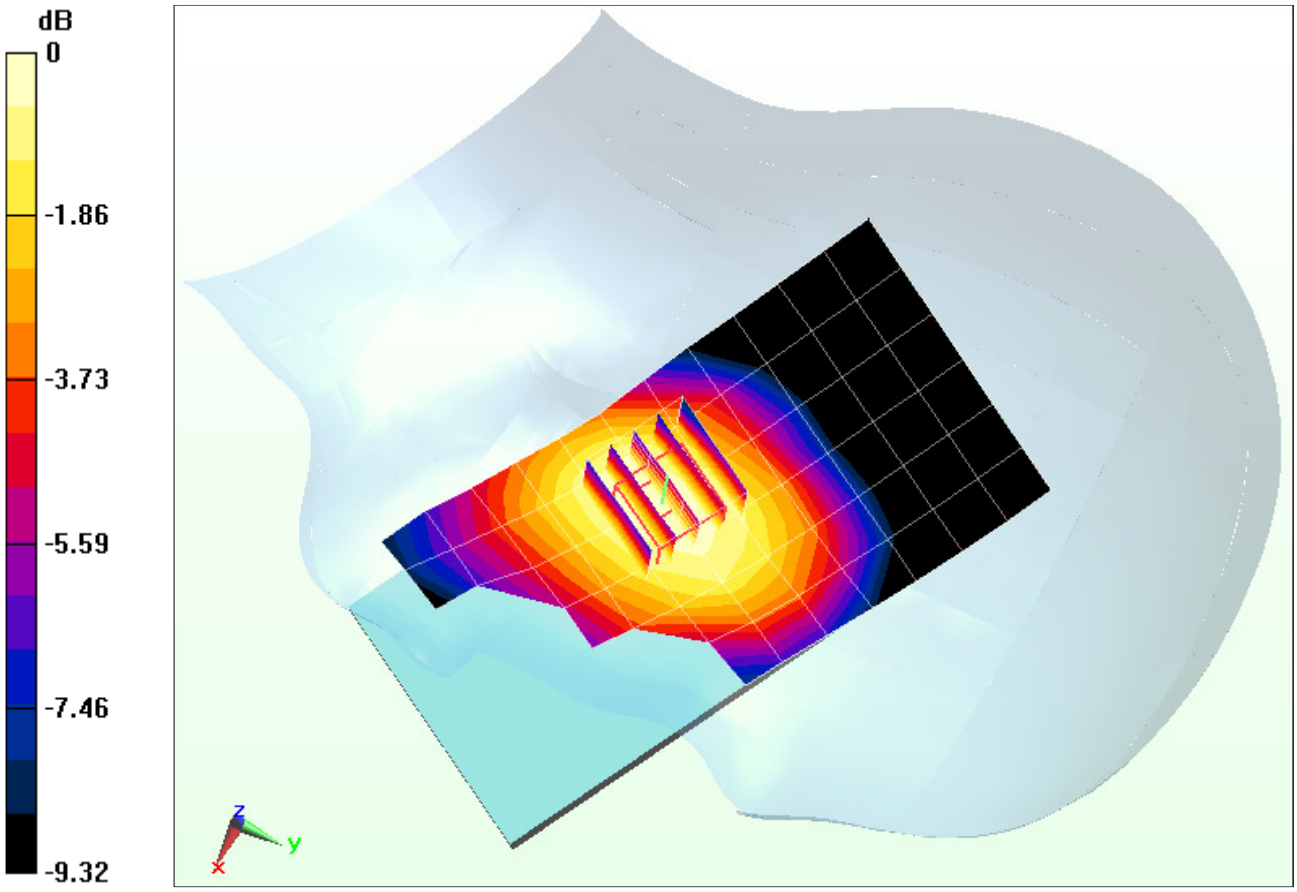
Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium: 835 Head; Medium parameters used (interpolated):
f = 836.6 MHz; σ = 0.882 mho/m; ε_r = 39.88; ρ = 1000 kg/m^3
Phantom section: Left Section

Test Date: 08-15-2012; Ambient Temp: 24.8°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3258; ConvF(6.01, 6.01, 6.01); Calibrated: 2/21/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP-1403
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: GSM 850, Left Head, Cheek, Mid.ch

Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.456 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.210 mW/g
SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.130 mW/g



0 dB = 0.174 mW/g = -15.19 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32388

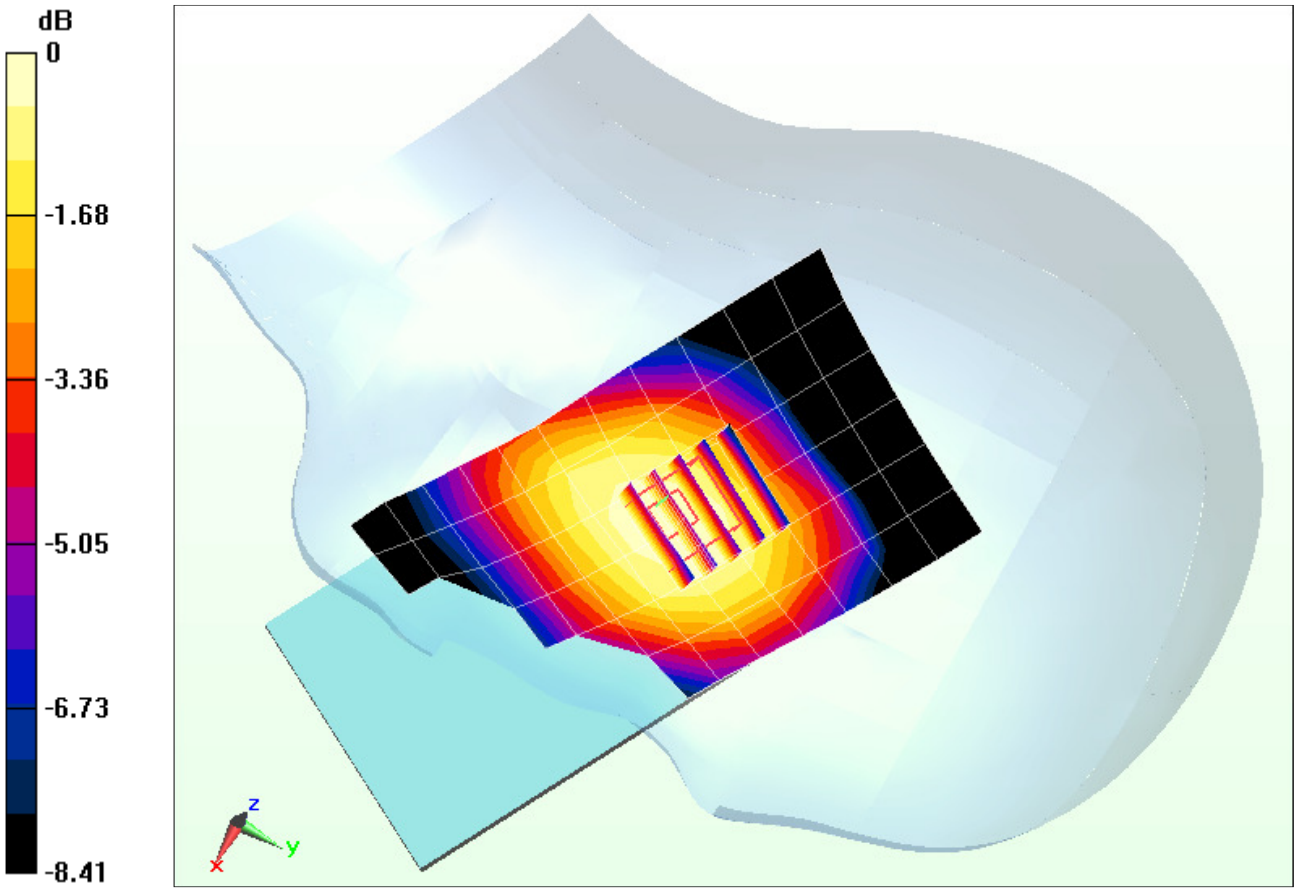
Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium: 835 Head; Medium parameters used (interpolated):
f = 836.6 MHz; σ = 0.882 mho/m; ε_r = 39.88; ρ = 1000 kg/m^3
Phantom section: Left Section

Test Date: 08-15-2012; Ambient Temp: 24.8°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3258; ConvF(6.01, 6.01, 6.01); Calibrated: 2/21/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP-1403
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: GSM 850, Left Head, Tilt, Mid.ch

Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.508 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.108 mW/g
SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.074 mW/g



0 dB = 0.0961 mW/g = -20.35 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32209

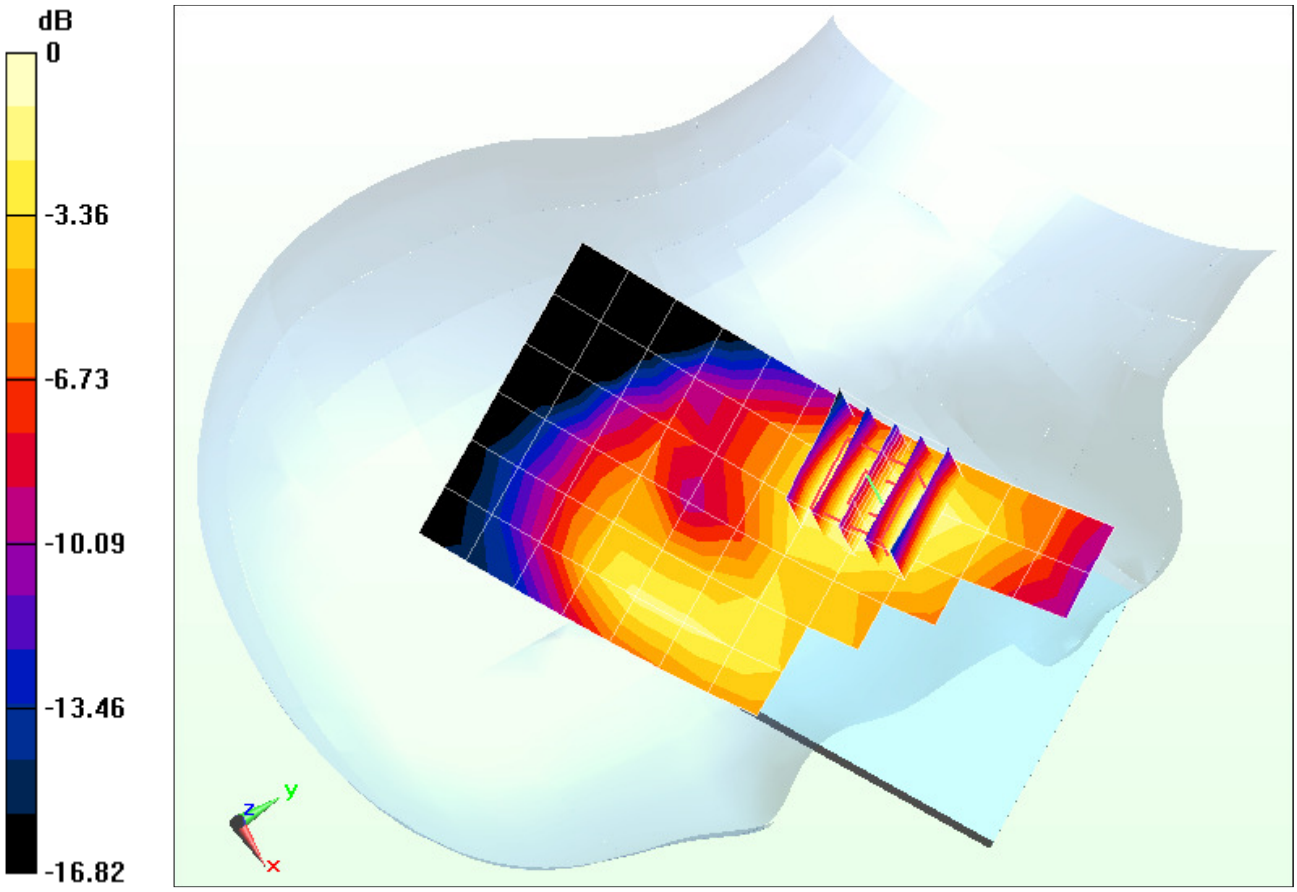
Communication System: CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: 1900 Head; Medium parameters used:
f = 1880 MHz; σ = 1.419 mho/m; ε_r = 39.36; ρ = 1000 kg/m^3
Phantom section: Right Section

Test Date: 08-16-2012; Ambient Temp: 23.9°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3213; ConvF(5.02, 5.02, 5.02); Calibrated: 4/24/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1334; Calibrated: 5/7/2012
Phantom: SAM Front; Type: SAM; Serial: 1686
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: PCS CDMA, Right Head, Cheek, Mid.ch

Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.758 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.395 mW/g
SAR(1 g) = 0.257 mW/g; SAR(10 g) = 0.159 mW/g



0 dB = 0.283 mW/g = -10.96 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32209

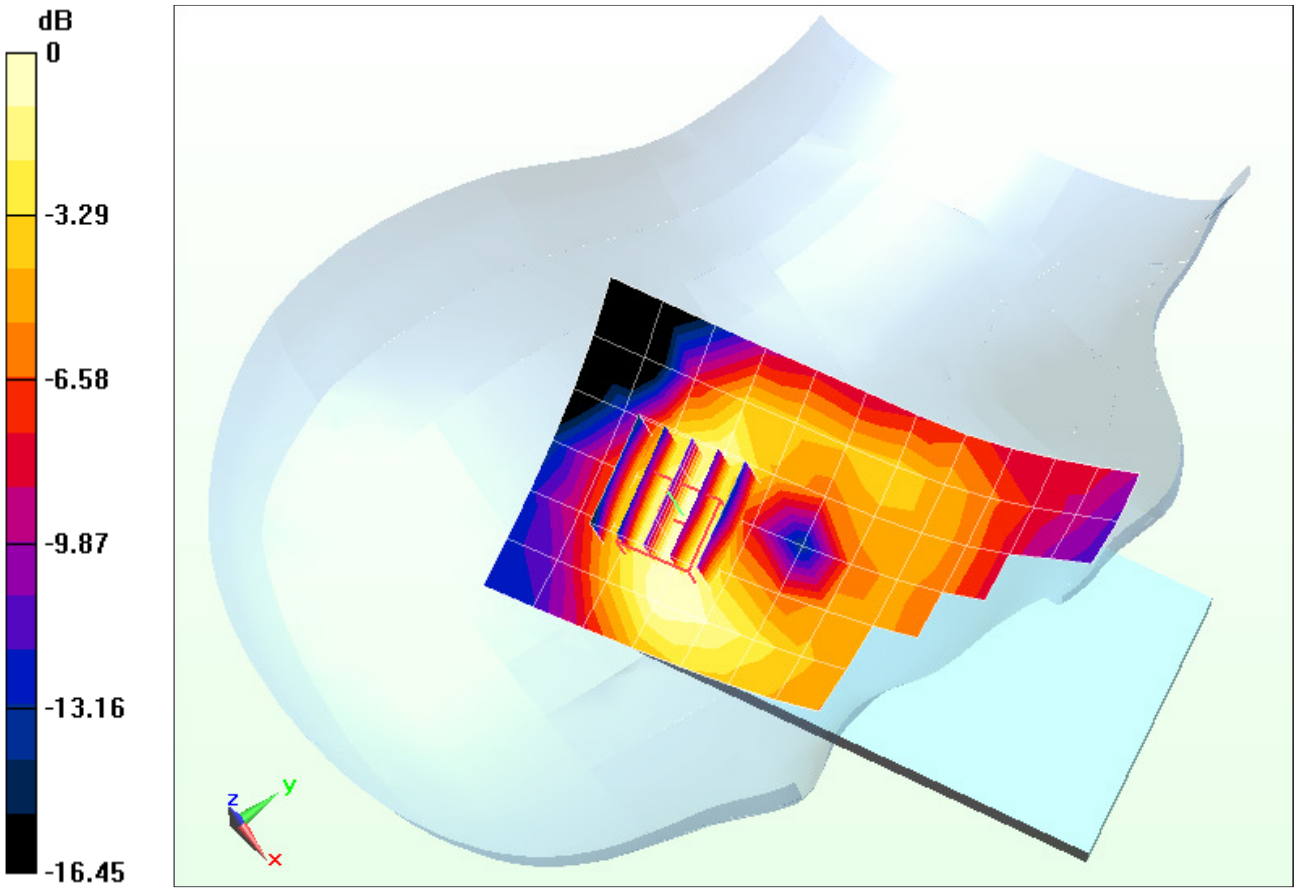
Communication System: CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: 1900 Head; Medium parameters used:
f = 1880 MHz; σ = 1.419 mho/m; ε_r = 39.36; ρ = 1000 kg/m^3
Phantom section: Right Section

Test Date: 08-16-2012; Ambient Temp: 23.9°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3213; ConvF(5.02, 5.02, 5.02); Calibrated: 4/24/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1334; Calibrated: 5/7/2012
Phantom: SAM Front; Type: SAM; Serial: 1686
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: PCS CDMA, Right Head, Tilt, Mid.ch

Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.659 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.203 mW/g
SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.075 mW/g



0 dB = 0.136 mW/g = -17.33 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32209

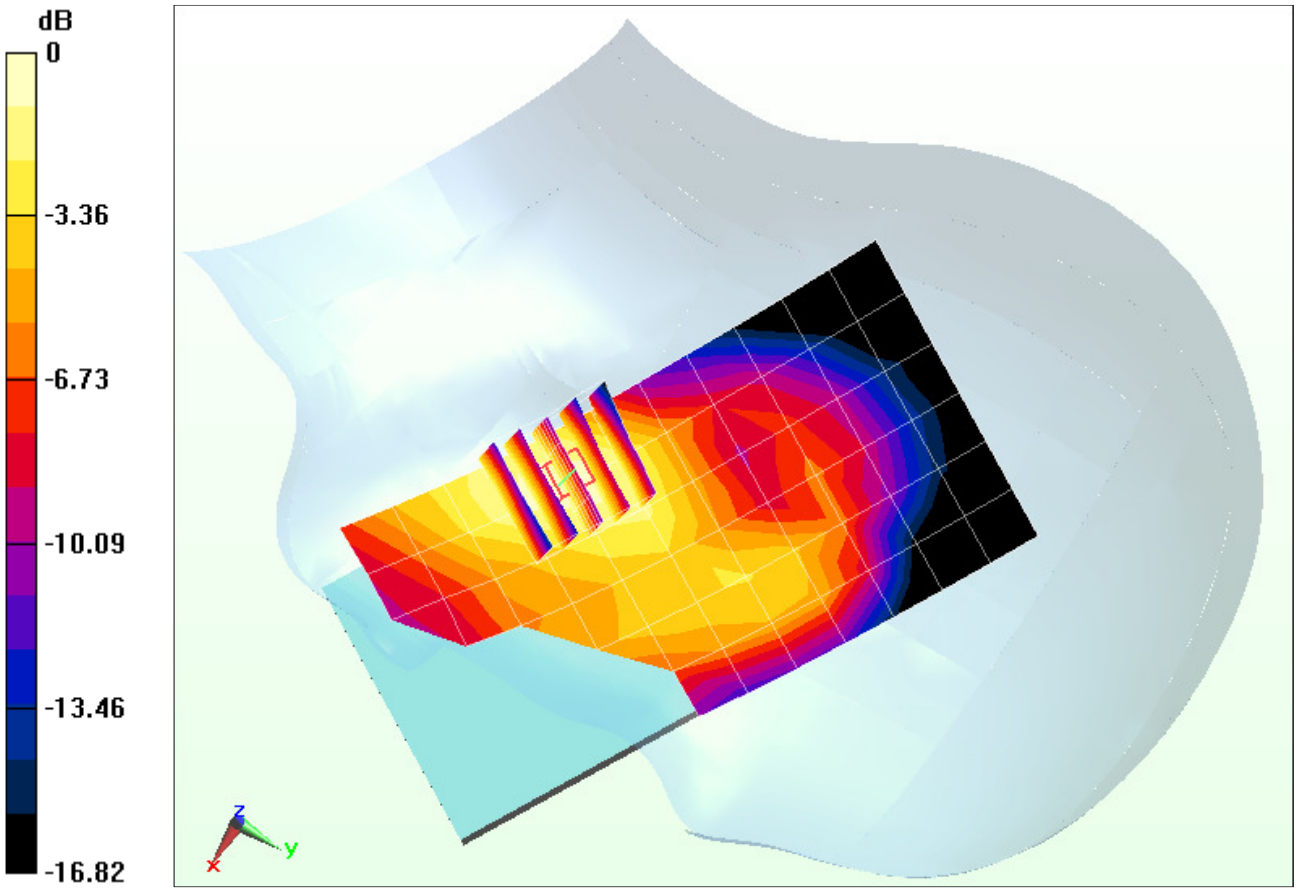
Communication System: CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: 1900 Head; Medium parameters used:
f = 1880 MHz; σ = 1.419 mho/m; ε_r = 39.36; ρ = 1000 kg/m^3
Phantom section: Left Section

Test Date: 08-16-2012; Ambient Temp: 23.9°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3213; ConvF(5.02, 5.02, 5.02); Calibrated: 4/24/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1334; Calibrated: 5/7/2012
Phantom: SAM Front; Type: SAM; Serial: 1686
Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Mode: PCS CDMA, Left Head, Cheek, Mid.ch

Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.111 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.502 mW/g
SAR(1 g) = 0.337 mW/g; SAR(10g) = 0.183 mW/g



0 dB = 0.356 mW/g = -8.97 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32209

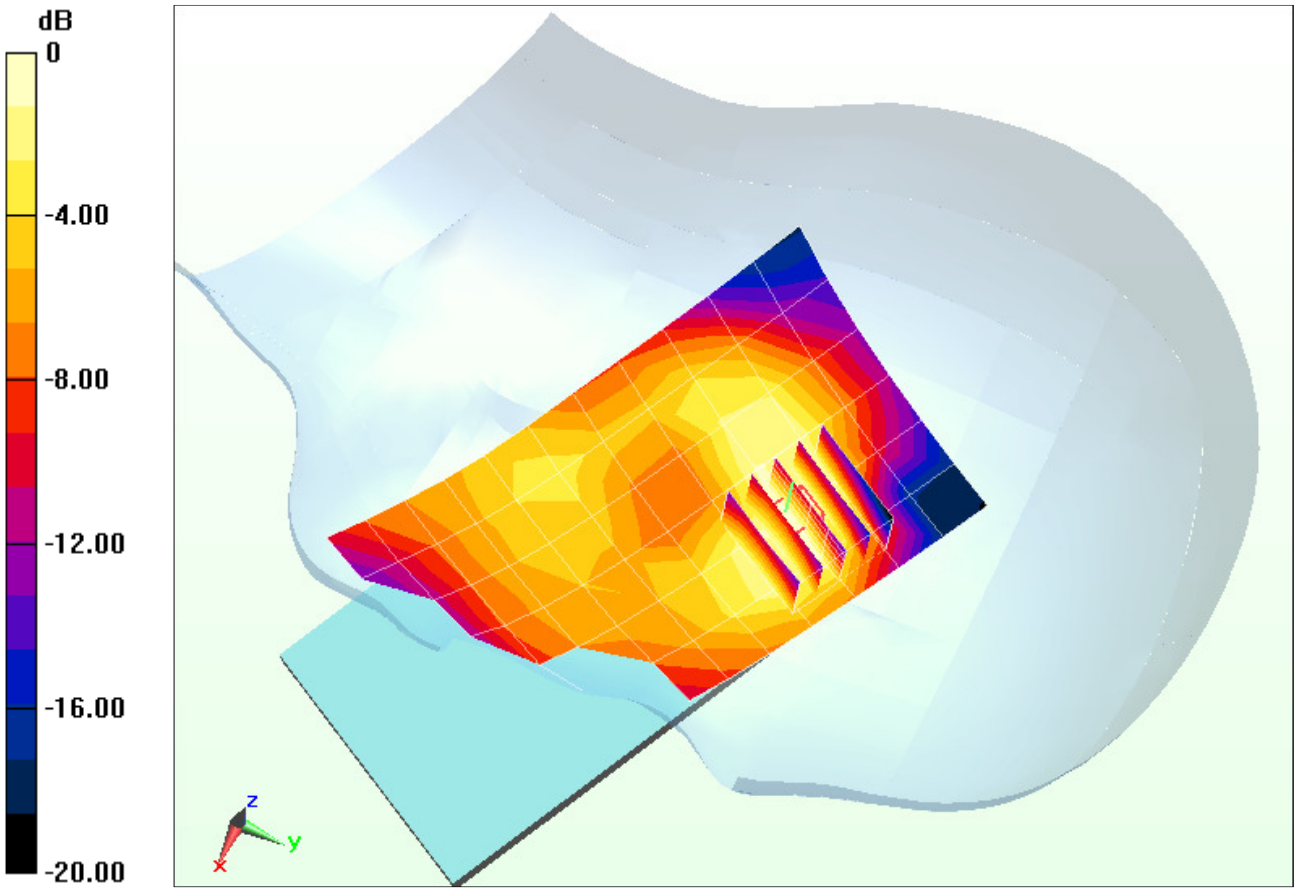
Communication System: CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: 1900 Head; Medium parameters used:
f = 1880 MHz; σ = 1.419 mho/m; ε_r = 39.36; ρ = 1000 kg/m^3
Phantom section: Left Section

Test Date: 08-16-2012; Ambient Temp: 23.9°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3213; ConvF(5.02, 5.02, 5.02); Calibrated: 4/24/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1334; Calibrated: 5/7/2012
Phantom: SAM Front; Type: SAM; Serial: 1686
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: PCS CDMA, Left Head, Tilt, Mid.ch

Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.398 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.256 mW/g
SAR(1 g) = 0.168 mW/g; SAR(10g) = 0.101 mW/g



0 dB = 0.174 mW/g = -15.19 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 3238B

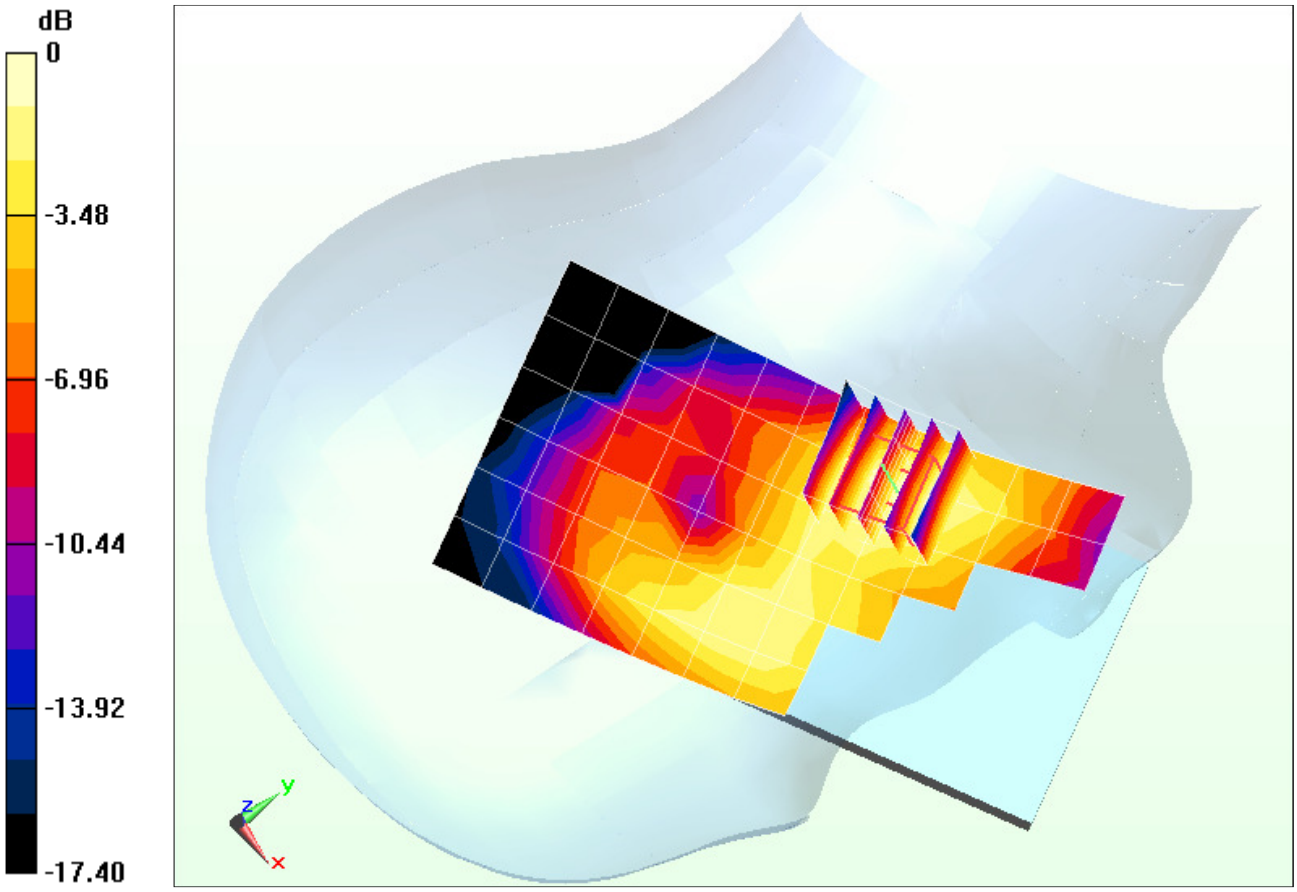
Communication System: GSM; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium: 1900 Head; Medium parameters used:
f = 1880 MHz; σ = 1.419 mho/m; ε_r = 39.36; ρ = 1000 kg/m^3
Phantom section: Right Section

Test Date: 08-16-2012; Ambient Temp: 23.9°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3213; ConvF(5.02, 5.02, 5.02); Calibrated: 4/24/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1334; Calibrated: 5/7/2012
Phantom: SAM Front; Type: SAM; Serial: 1686
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: GSM 1900, Right Head, Cheek, Mid.ch

Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.738 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.187 mW/g
SAR(1 g) = 0.124 mW/g; SAR(10 g) = 0.078 mW/g



0 dB = 0.136 mW/g = -17.33 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 3238B

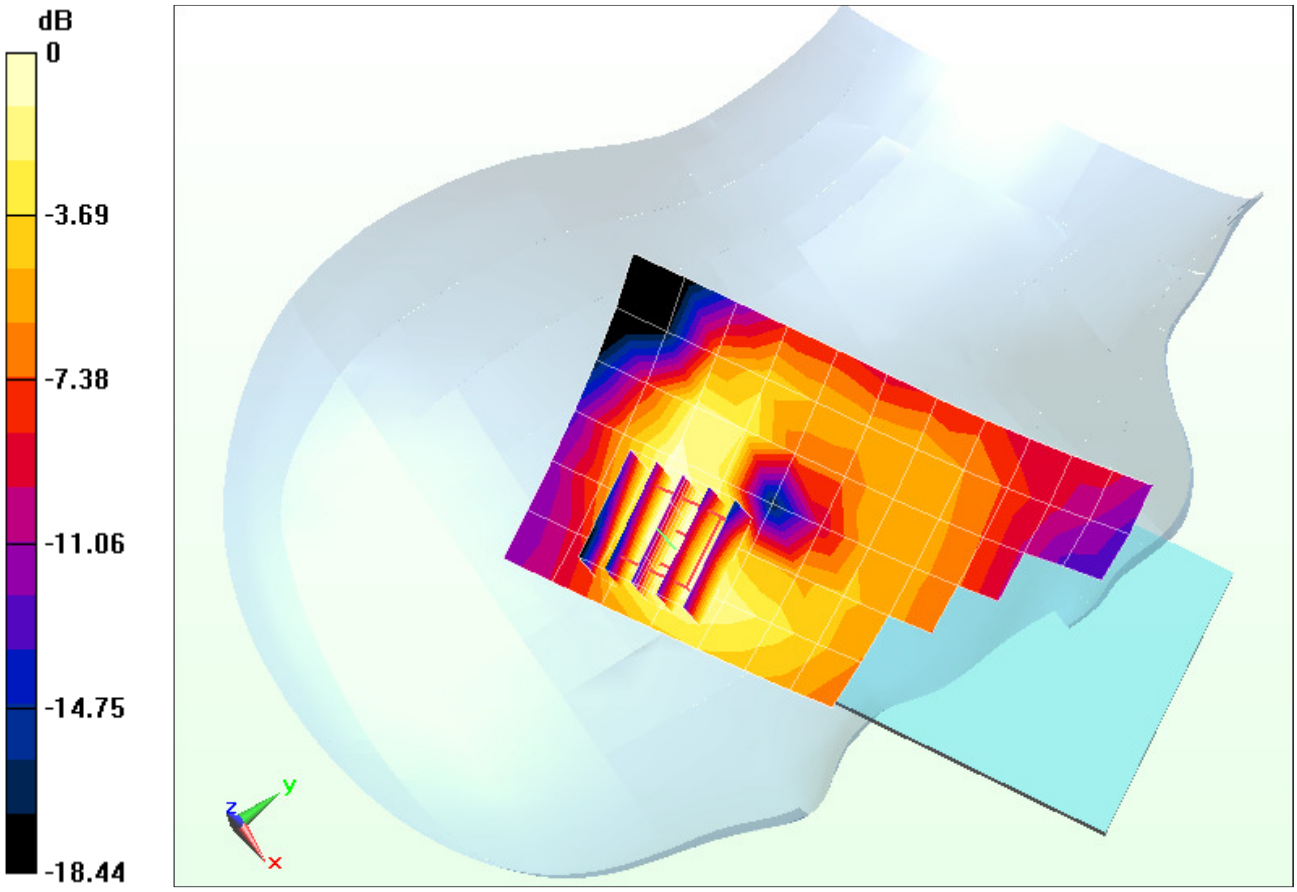
Communication System: GSM; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium: 1900 Head; Medium parameters used:
f = 1880 MHz; σ = 1.419 mho/m; ε_r = 39.36; ρ = 1000 kg/m^3
Phantom section: Right Section

Test Date: 08-16-2012; Ambient Temp: 23.9°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3213; ConvF(5.02, 5.02, 5.02); Calibrated: 4/24/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1334; Calibrated: 5/7/2012
Phantom: SAM Front; Type: SAM; Serial: 1686
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: GSM 1900, Right Head, Tilt, Mid.ch

Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.076 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.107 mW/g
SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.041 mW/g



0 dB = 0.0748 mW/g = -22.52 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 3238B

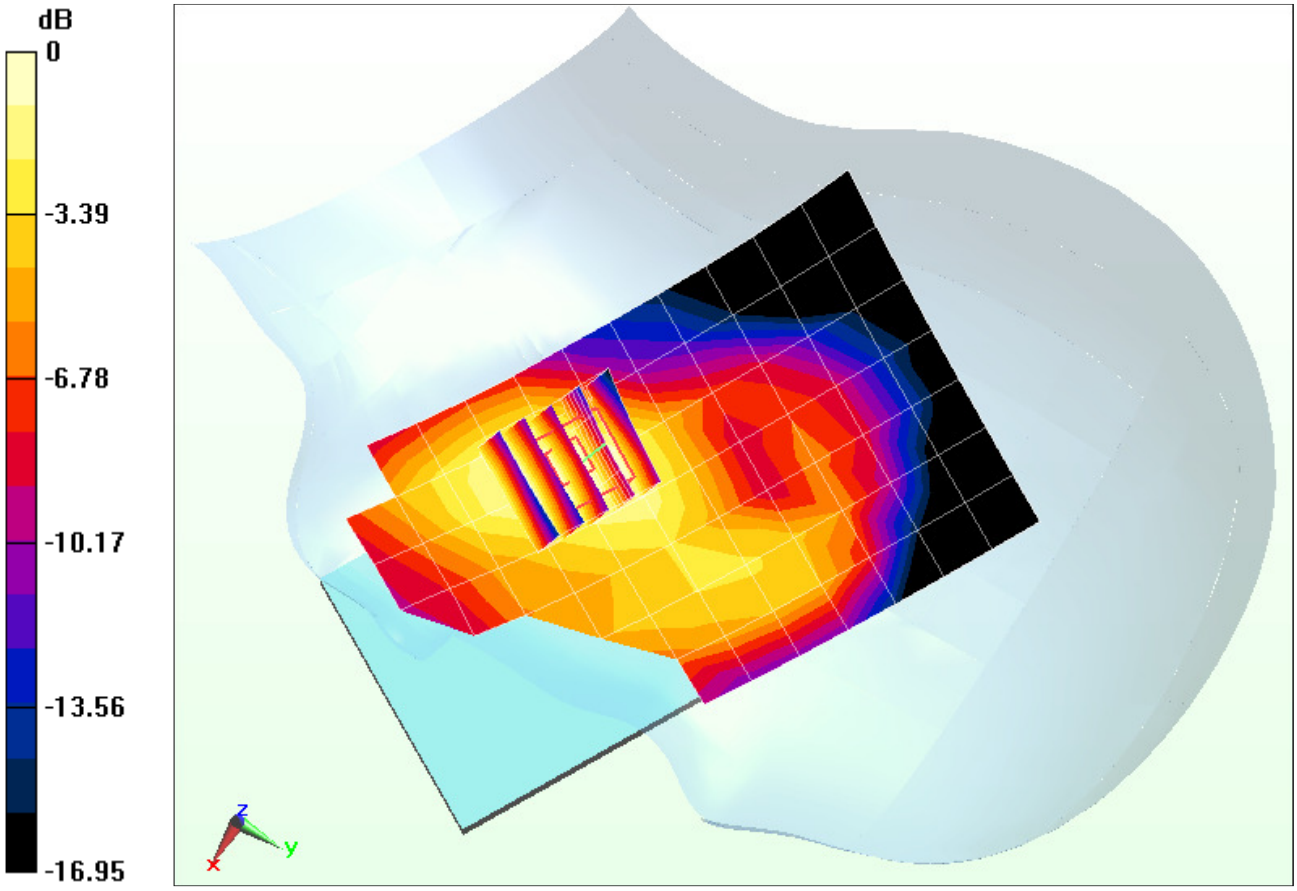
Communication System: GSM; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium: 1900 Head; Medium parameters used:
f = 1880 MHz; σ = 1.419 mho/m; ε_r = 39.36; ρ = 1000 kg/m^3
Phantom section: Left Section

Test Date: 08-16-2012; Ambient Temp: 23.9°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3213; ConvF(5.02, 5.02, 5.02); Calibrated: 4/24/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1334; Calibrated: 5/7/2012
Phantom: SAM Front; Type: SAM; Serial: 1686
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: GSM 1900, Left Head, Cheek, Mid.ch

Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.725 V/m; Power Drift = 0.196 dB
Peak SAR (extrapolated) = 0.224 mW/g
SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.094 mW/g



0 dB = 0.157 mW/g = -16.08 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 3238B

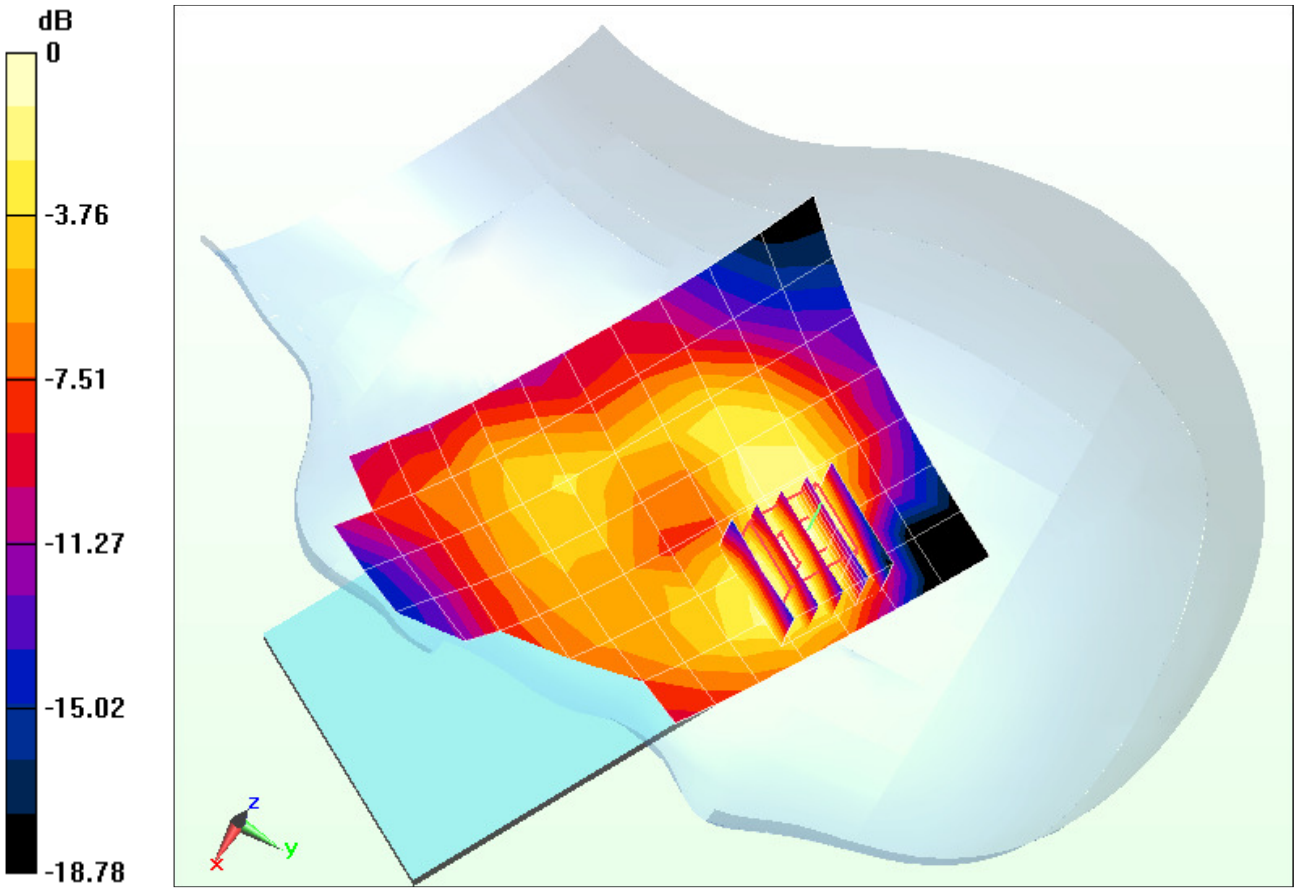
Communication System: GSM; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium: 1900 Head; Medium parameters used:
f = 1880 MHz; σ = 1.419 mho/m; ε_r = 39.36; ρ = 1000 kg/m^3
Phantom section: Left Section

Test Date: 08-16-2012; Ambient Temp: 23.9°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3213; ConvF(5.02, 5.02, 5.02); Calibrated: 4/24/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1334; Calibrated: 5/7/2012
Phantom: SAM Front; Type: SAM; Serial: 1686
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: GSM 1900, Left Head, Tilt, Mid.ch

Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.832 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.126 mW/g
SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.050 mW/g



0 dB = 0.0877 mW/g = -21.14 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 323C2

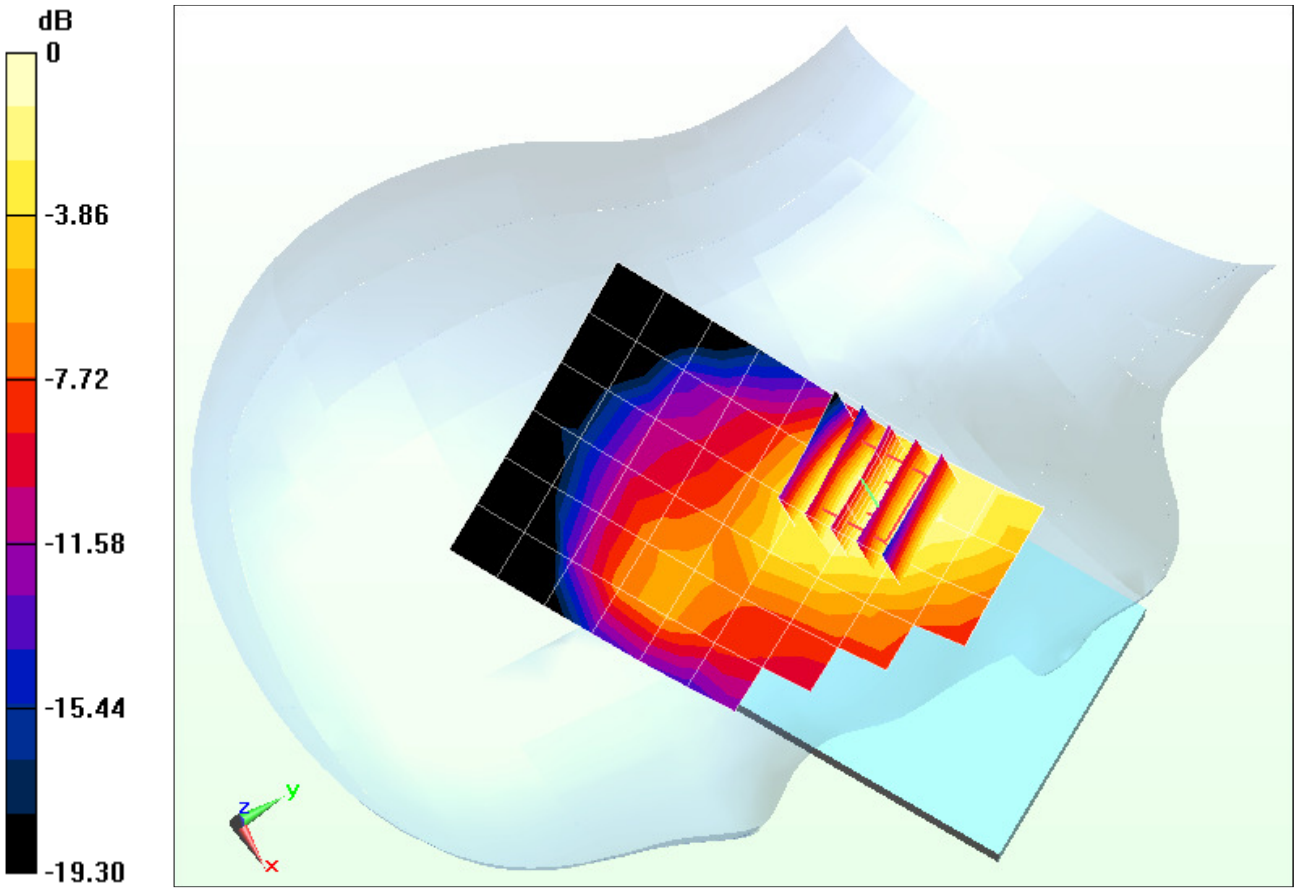
Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: 1900 Head; Medium parameters used:
f = 1880 MHz; σ = 1.419 mho/m; ε_r = 39.36; ρ = 1000 kg/m^3
Phantom section: Right Section

Test Date: 08-16-2012; Ambient Temp: 23.9°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3213; ConvF(5.02, 5.02, 5.02); Calibrated: 4/24/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1334; Calibrated: 5/7/2012
Phantom: SAM Front; Type: SAM; Serial: 1686
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: WCDMA 1900, Right Head, Cheek, 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 = 9.407 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.178 mW/g
SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.074 mW/g



0 dB = 0.126 mW/g = -17.99 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 323C2

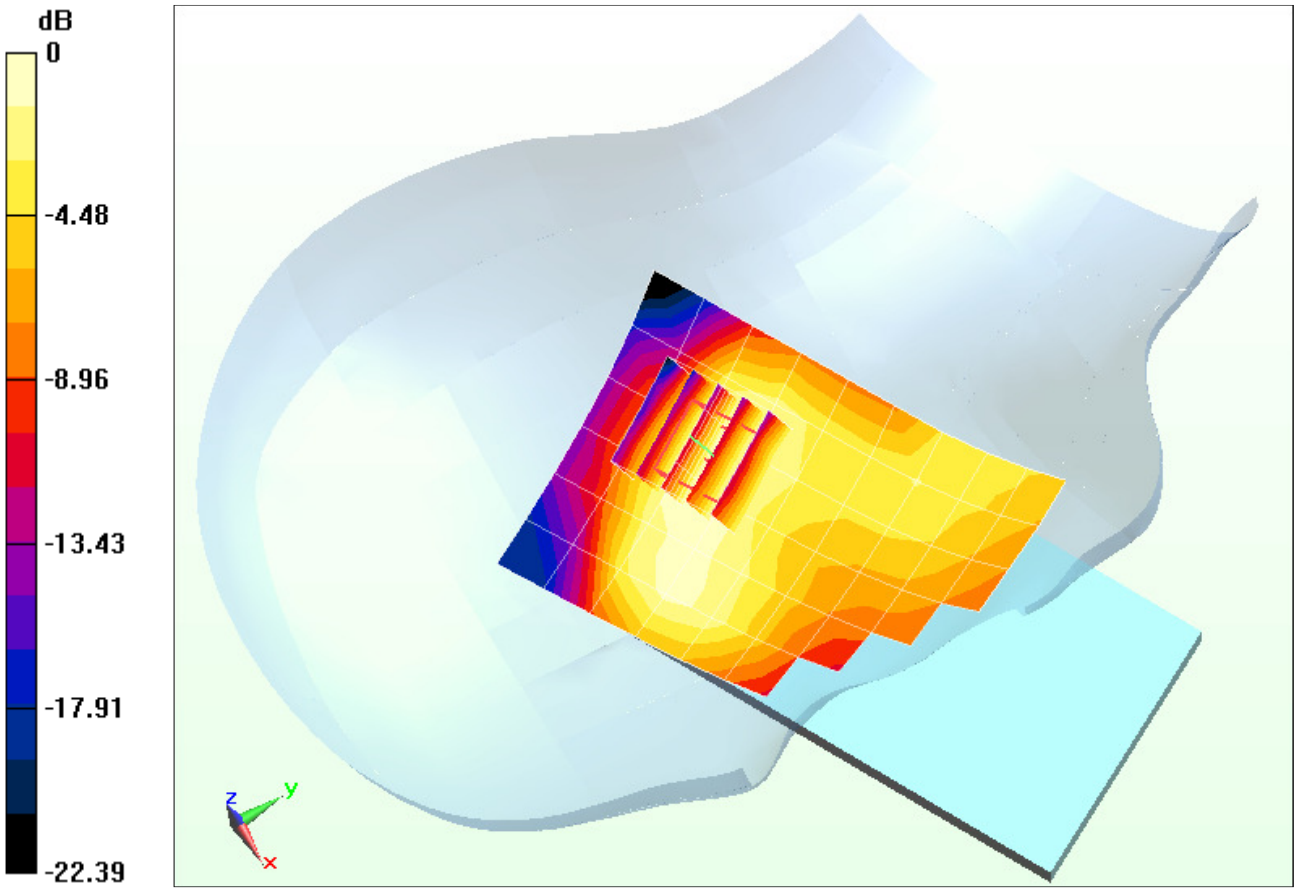
Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: 1900 Head; Medium parameters used:
f = 1880 MHz; σ = 1.419 mho/m; ε_r = 39.36; ρ = 1000 kg/m^3
Phantom section: Right Section

Test Date: 08-16-2012; Ambient Temp: 23.9°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3213; ConvF(5.02, 5.02, 5.02); Calibrated: 4/24/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1334; Calibrated: 5/7/2012
Phantom: SAM Front; Type: SAM; Serial: 1686
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: WCDMA 1900, 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 = 5.273 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.061 mW/g
SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.024 mW/g



0 dB = 0.0422 mW/g = -27.49 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 323C2

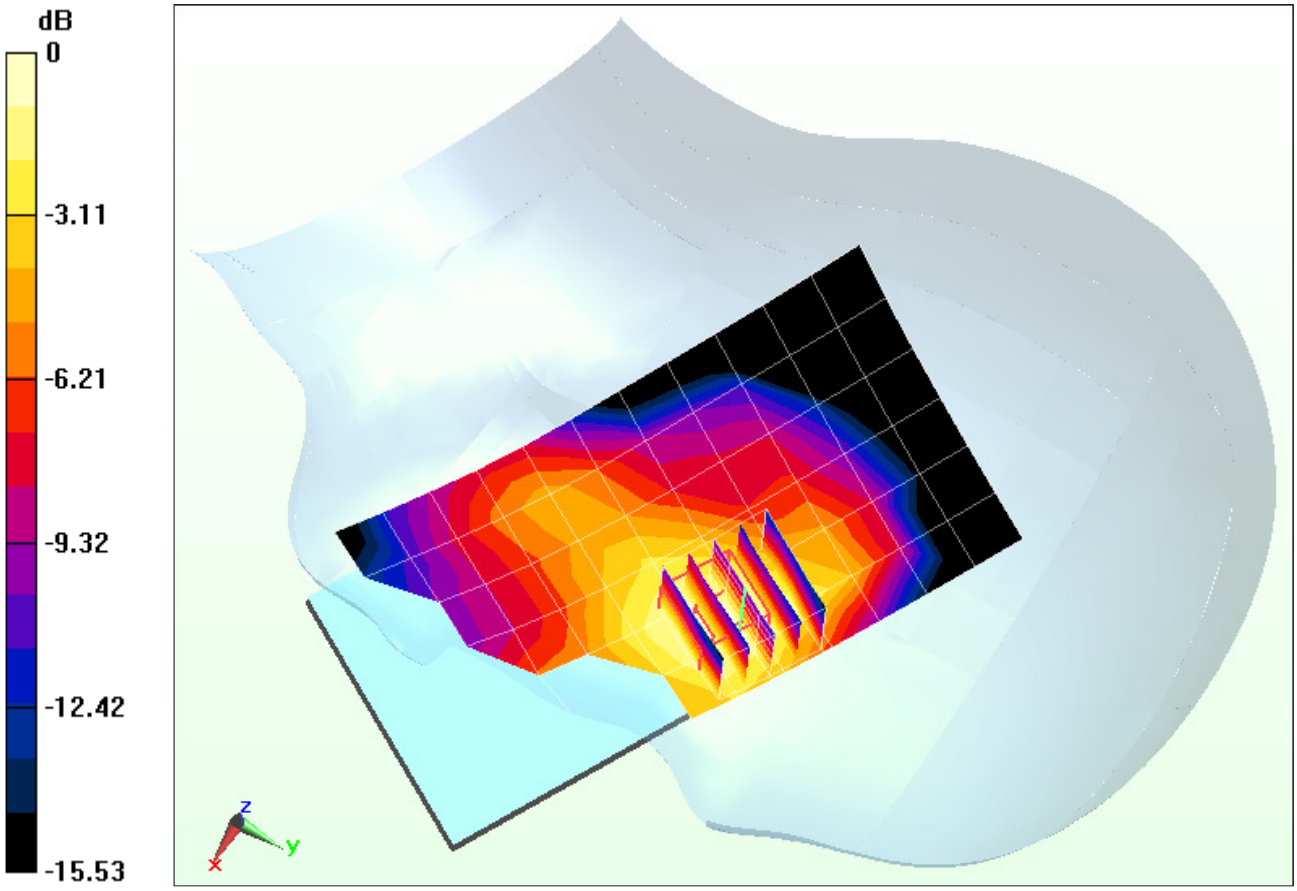
Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: 1900 Head; Medium parameters used:
f = 1880 MHz; σ = 1.397 mho/m; ε_r = 38.79; ρ = 1000 kg/m^3
Phantom section: Left Section

Test Date: 08-23-2012; Ambient Temp: 22.8°C; Tissue Temp: 22.1°C

Probe: ES3DV3 - SN3213; ConvF(5.02, 5.02, 5.02); Calibrated: 4/24/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1334; Calibrated: 5/7/2012
Phantom: SAM Front; Type: SAM; Serial: 1715
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: WCDMA 1900, Left Head, Cheek, Mid.ch

Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.347 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.090 mW/g
SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.039 mW/g



0 dB = 0.0637 mW/g = -23.92 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 323C2

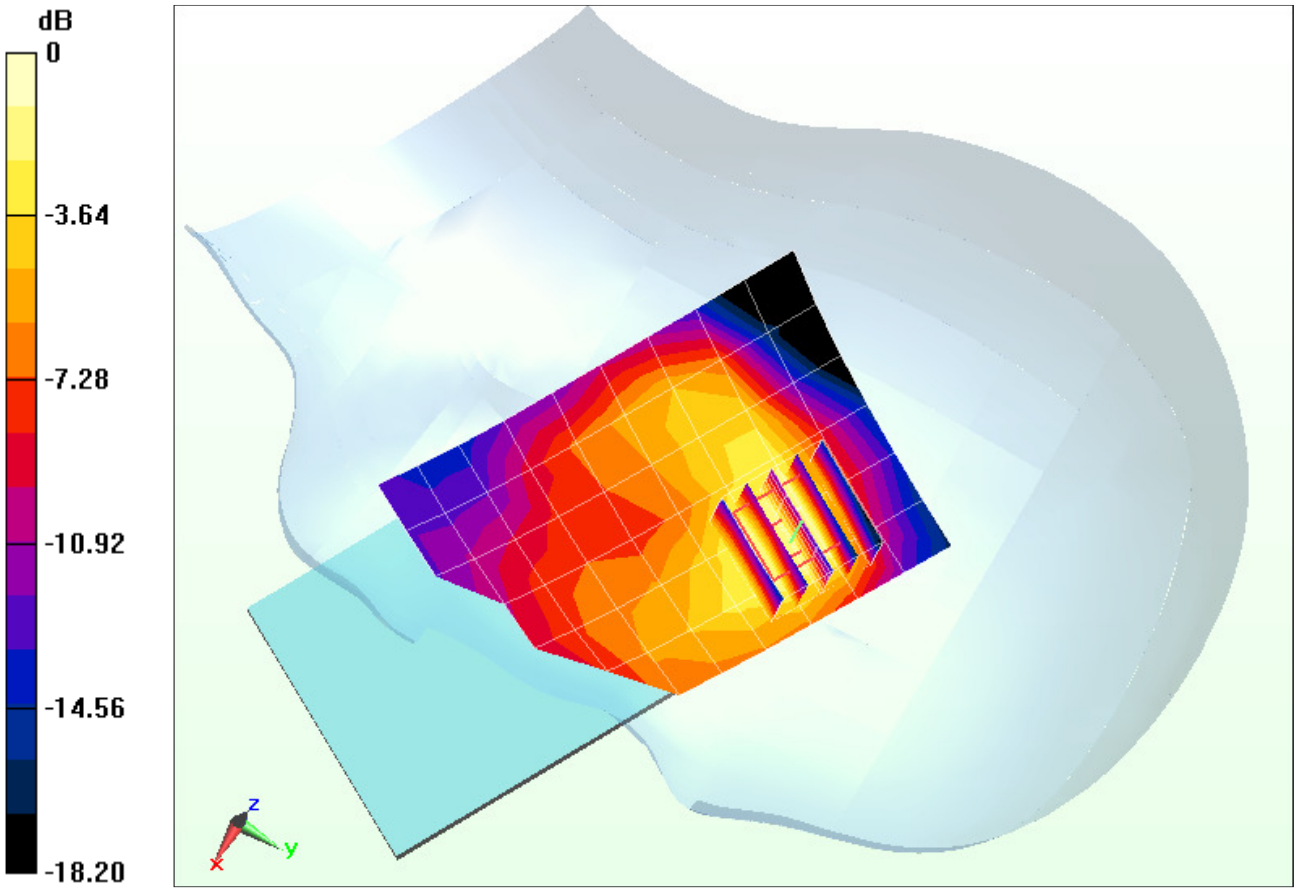
Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: 1900 Head; Medium parameters used:
f = 1880 MHz; σ = 1.419 mho/m; ε_r = 39.36; ρ = 1000 kg/m^3
Phantom section: Left Section

Test Date: 08-16-2012; Ambient Temp: 23.9°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3213; ConvF(5.02, 5.02, 5.02); Calibrated: 4/24/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1334; Calibrated: 5/7/2012
Phantom: SAM Front; Type: SAM; Serial: 1686
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: WCDMA 1900, 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 = 5.762 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.087 mW/g
SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.032 mW/g



0 dB = 0.0598 mW/g = -24.47 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 3220A

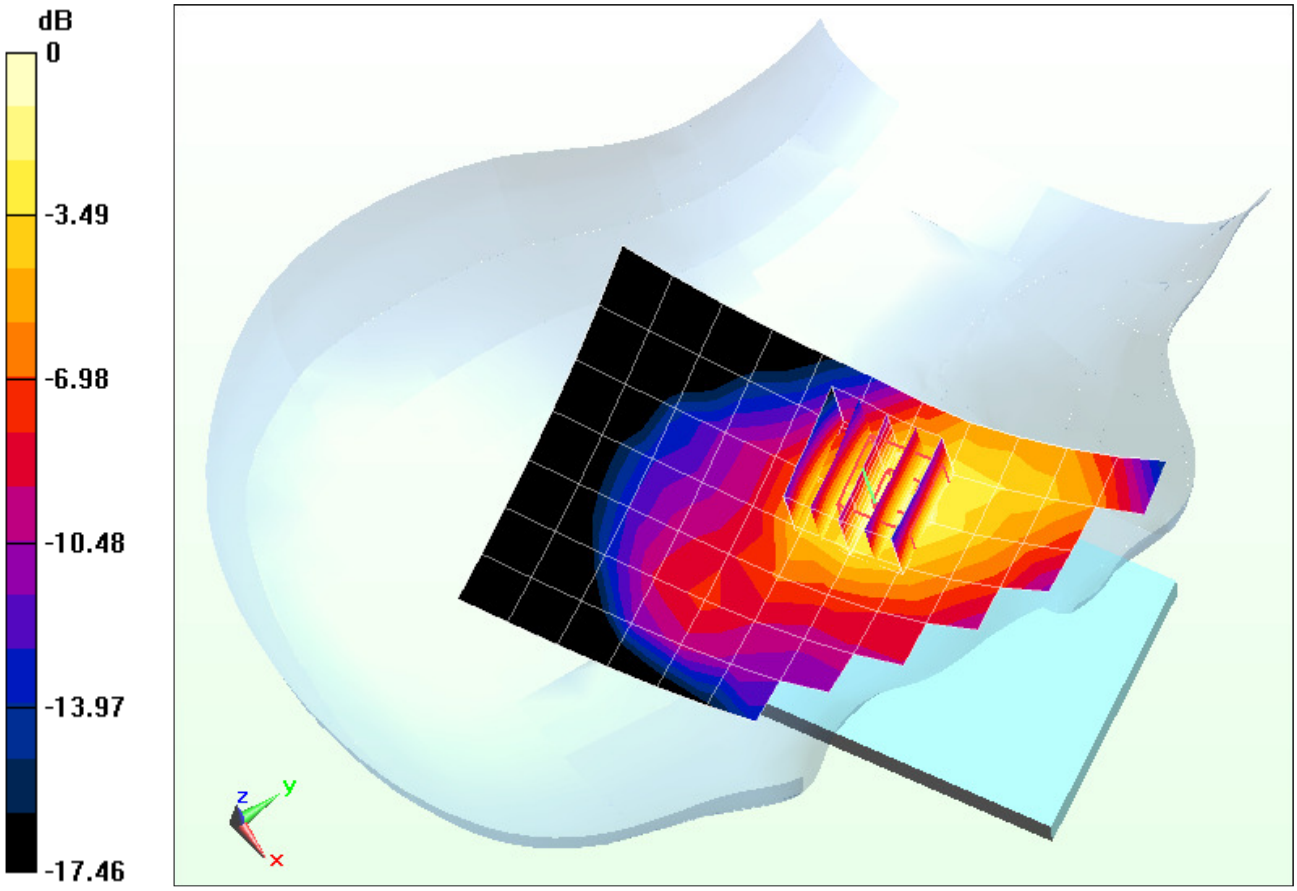
Communication System: LTE Band 25 (PCS); Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium: 1900 Head; Medium parameters used (interpolated):
f = 1882.5 MHz; σ = 1.421 mho/m; ε_r = 39.344; ρ = 1000 kg/m^3
Phantom section: Right Section

Test Date: 08-16-2012; Ambient Temp: 23.9°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3213; ConvF(5.02, 5.02, 5.02); Calibrated: 4/24/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1334; Calibrated: 5/7/2012
Phantom: SAM Front; Type: SAM; Serial: 1686
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: LTE Band 25 (PCS), Right Head, Cheek, Mid.ch,
5 MHz Bandwidth, QPSK, 1 RB, RB Offset 0

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.887 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.396 mW/g
SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.166 mW/g



0 dB = 0.273 mW/g = -11.28 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 3220A

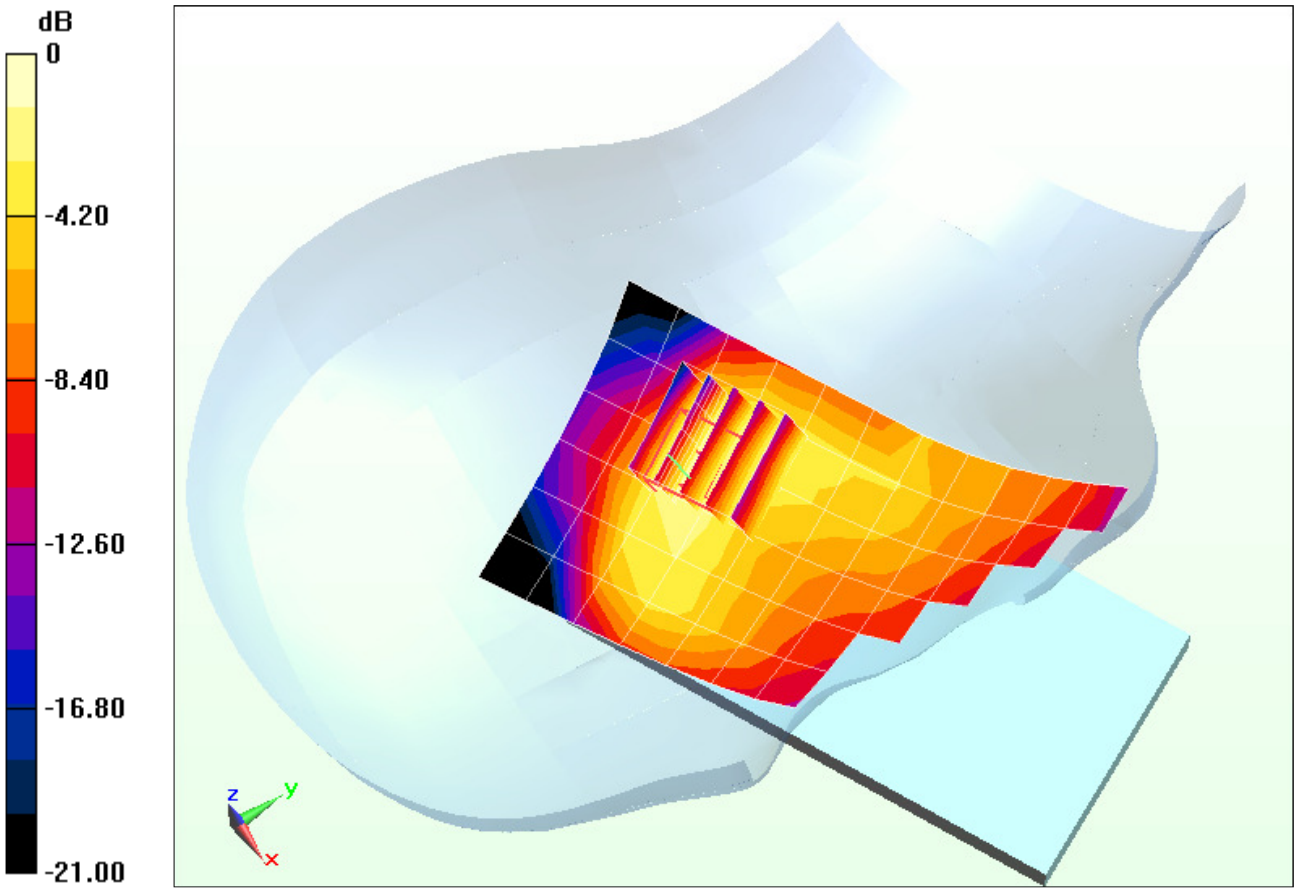
Communication System: LTE Band 25 (PCS); Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium: 1900 Head; Medium parameters used (interpolated):
f = 1882.5 MHz; σ = 1.421 mho/m; ε_r = 39.344; ρ = 1000 kg/m^3
Phantom section: Right Section

Test Date: 08-16-2012; Ambient Temp: 23.9°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3213; ConvF(5.02, 5.02, 5.02); Calibrated: 4/24/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1334; Calibrated: 5/7/2012
Phantom: SAM Front; Type: SAM; Serial: 1686
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: LTE Band 25 (PCS), Right Head, Tilt, Mid.ch,
5 MHz Bandwidth, QPSK, 1 RB, RB Offset 0

Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.658 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.144 mW/g
SAR(1 g) = 0.092 mW/g; SAR(10 g) = 0.057 mW/g



0 dB = 0.0994 mW/g = -20.05 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 3220A

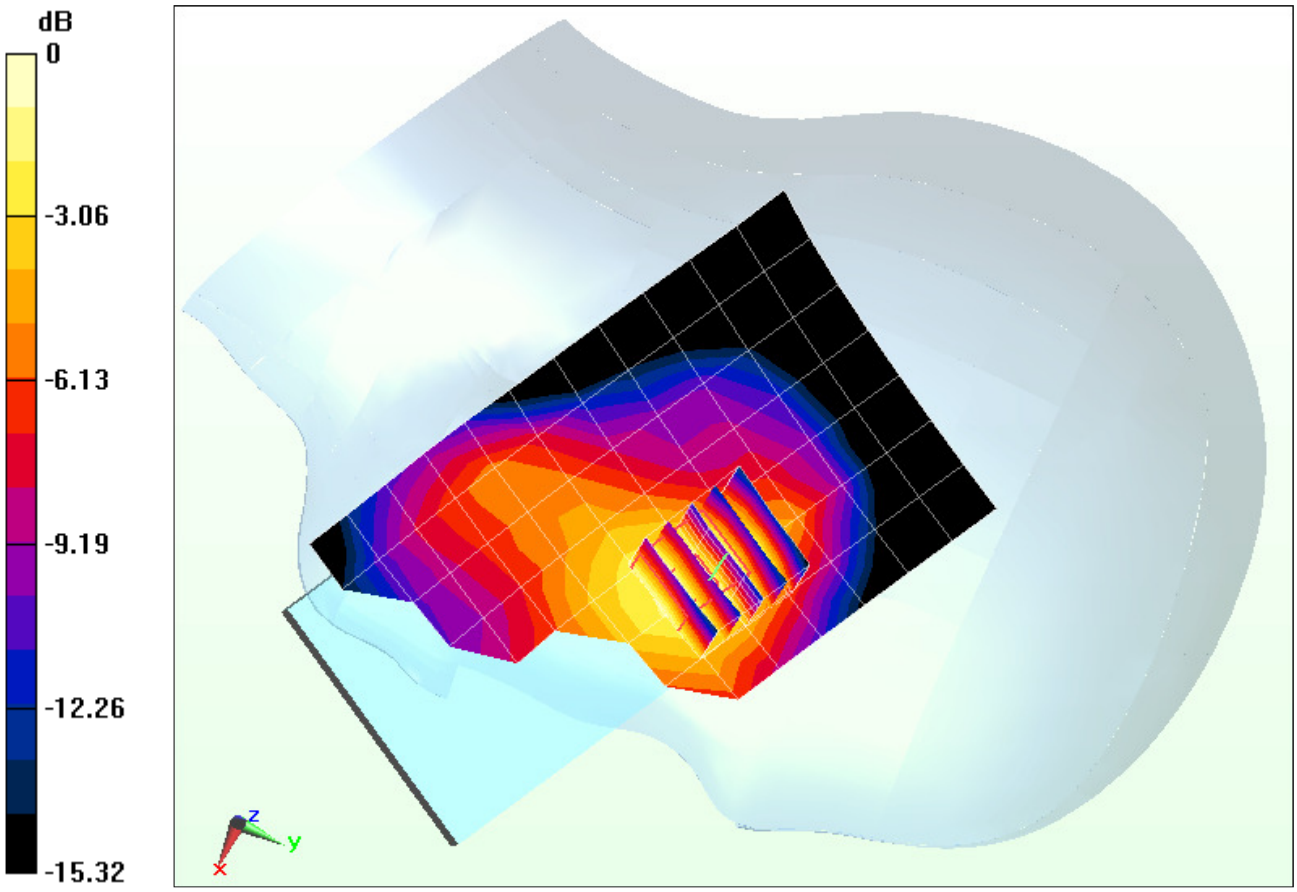
Communication System: LTE Band 25 (PCS); Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium: 1900 Head; Medium parameters used (interpolated):
f = 1882.5 MHz; σ = 1.421 mho/m; ε_r = 39.344; ρ = 1000 kg/m^3
Phantom section: Left Section

Test Date: 08-16-2012; Ambient Temp: 23.9°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3213; ConvF(5.02, 5.02, 5.02); Calibrated: 4/24/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1334; Calibrated: 5/7/2012
Phantom: SAM Front; Type: SAM; Serial: 1686
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: LTE Band 25 (PCS), Left Head, Cheek, Mid.ch,
5 MHz Bandwidth, QPSK, 1 RB, RB Offset 0

Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.771 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.245 mW/g
SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.104 mW/g



0 dB = 0.172 mW/g = -15.29 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 3220A

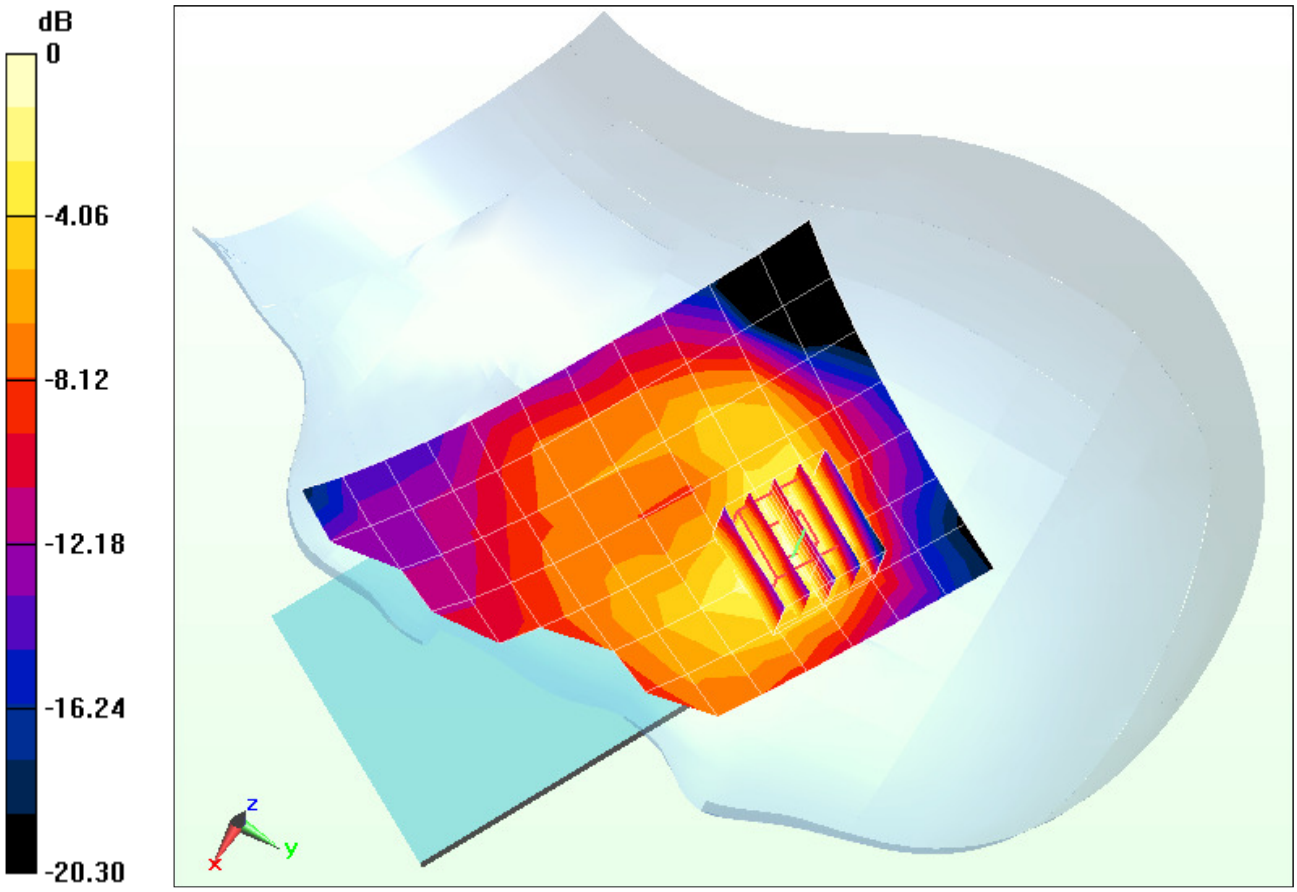
Communication System: LTE Band 25 (PCS); Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium: 1900 Head; Medium parameters used (interpolated):
f = 1882.5 MHz; σ = 1.421 mho/m; ε_r = 39.344; ρ = 1000 kg/m^3
Phantom section: Left Section

Test Date: 08-16-2012; Ambient Temp: 23.9°C; Tissue Temp: 23.0°C

Probe: ES3DV3 - SN3213; ConvF(5.02, 5.02, 5.02); Calibrated: 4/24/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1334; Calibrated: 5/7/2012
Phantom: SAM Front; Type: SAM; Serial: 1686
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: LTE Band 25 (PCS), Left Head, Tilt, Mid.ch,
5 MHz Bandwidth, QPSK, 1 RB, RB Offset 0

Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.815 V/m; Power Drift = 0.028 dB
Peak SAR (extrapolated) = 0.153 mW/g
SAR(1 g) = 0.101 mW/g; SAR(10 g) = 0.062 mW/g



0 dB = 0.110 mW/g = -19.17 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 321C4

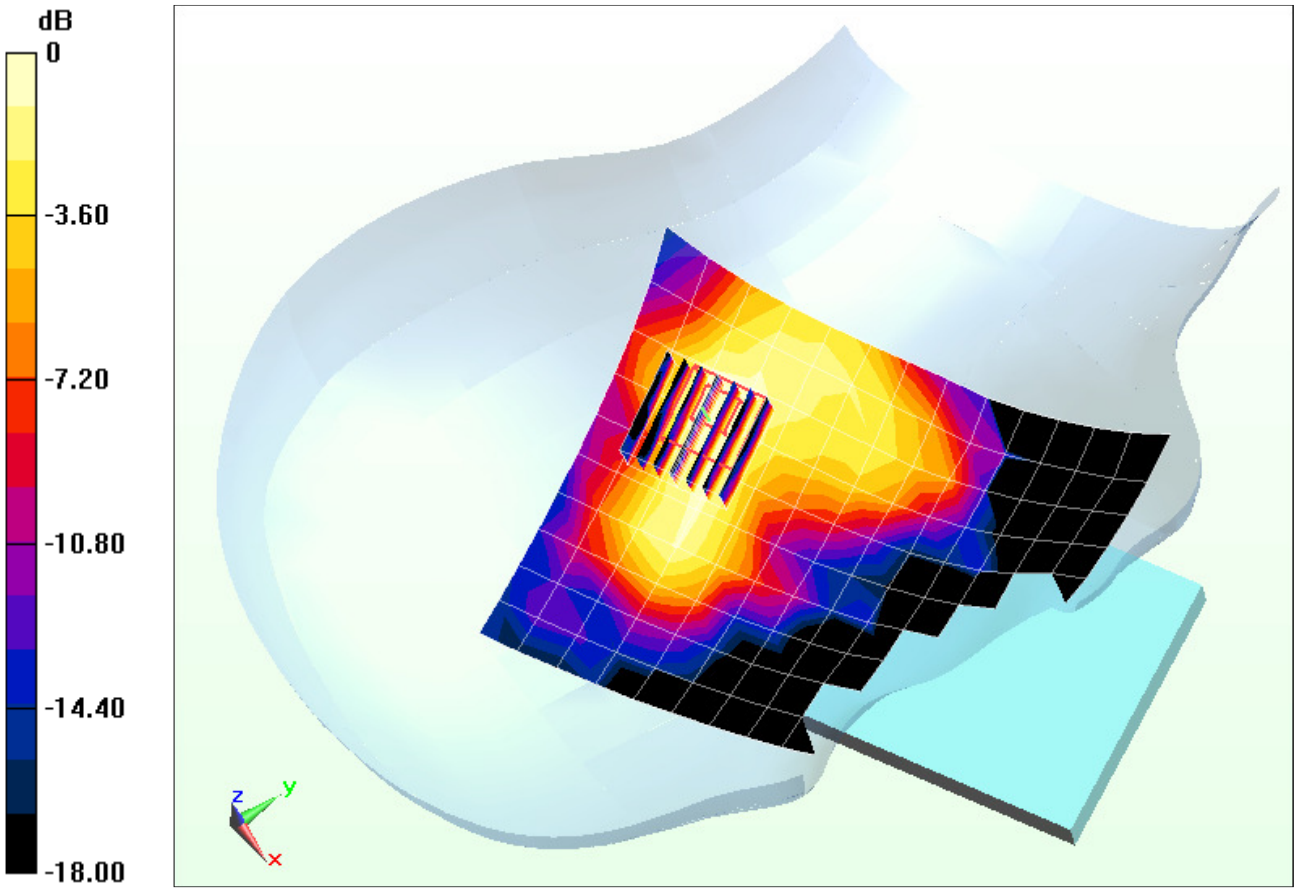
Communication System: IEEE 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: 2450 Head; Medium parameters used (interpolated):
f = 2462 MHz; σ = 1.879 mho/m; ε_r = 39.073; ρ = 1000 kg/m^3
Phantom section: Right Section

Test Date: 08-21-2012; Ambient Temp: 24.6°C; Tissue Temp: 22.7°C

Probe: ES3DV3 - SN3288; ConvF(4.54, 4.54, 4.54); Calibrated: 2/7/2012;
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1333; Calibrated: 4/12/2012
Phantom: SAM V5.0 Right; Type: QD000P40CD; Serial: 1647
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: IEEE 802.11b, Right Head, Cheek, Ch 11, 1 Mbps

Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.371 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.042 mW/g
SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.011 mW/g



0 dB = 0.0280 mW/g = -31.06 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 321C4

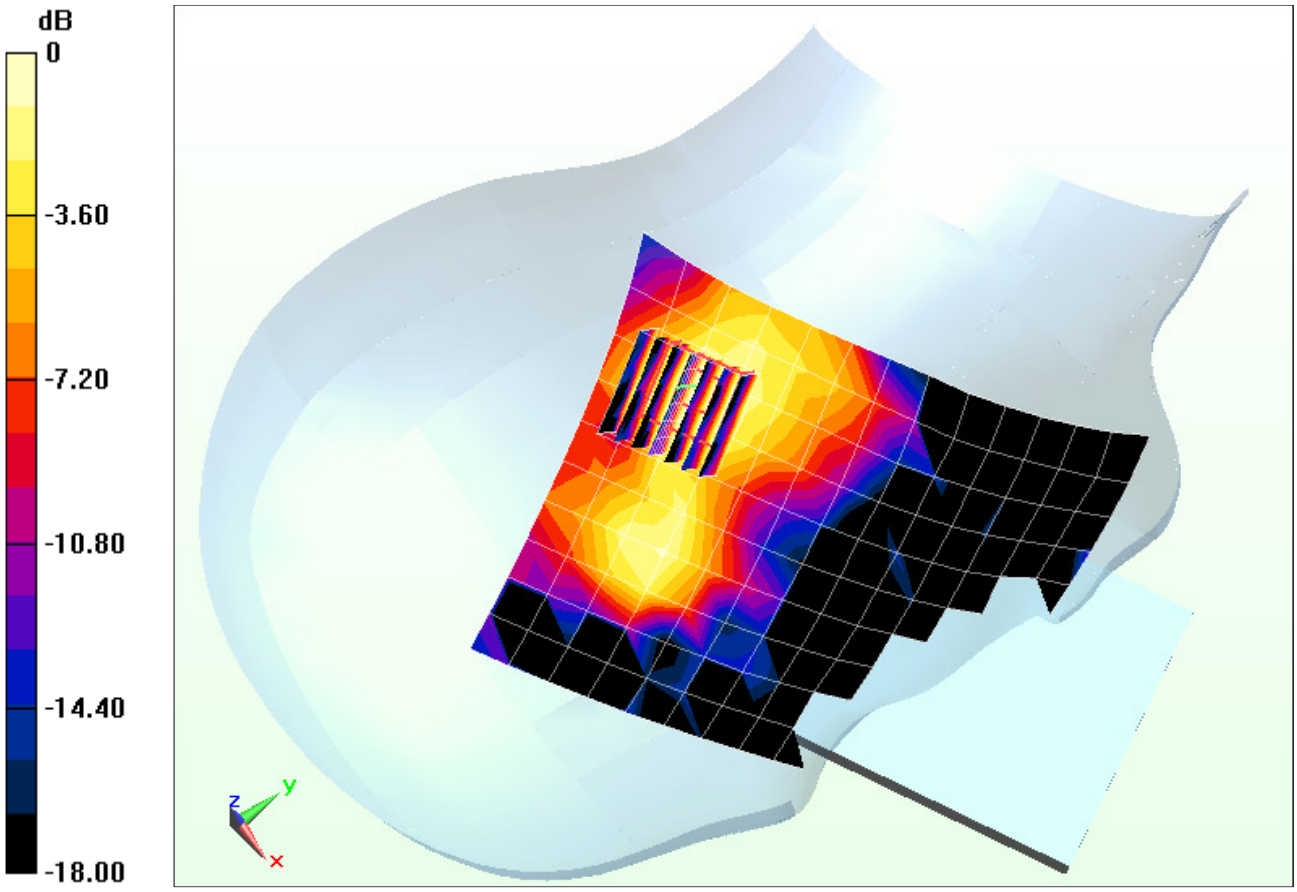
Communication System: IEEE 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: 2450 Head; Medium parameters used (interpolated):
f = 2462 MHz; σ = 1.879 mho/m; ε_r = 39.073; ρ = 1000 kg/m^3
Phantom section: Right Section

Test Date: 08-21-2012; Ambient Temp: 24.6°C; Tissue Temp: 22.7°C

Probe: ES3DV3 - SN3288; ConvF(4.54, 4.54, 4.54); Calibrated: 2/7/2012;
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1333; Calibrated: 4/12/2012
Phantom: SAM V5.0 Right; Type: QD000P40CD; Serial: 1647
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: IEEE 802.11b, Right Head, Tilt, Ch 11, 1 Mbps

Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.861 V/m; Power Drift = 0.025 dB
Peak SAR (extrapolated) = 0.033 mW/g
SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.008 mW/g



0 dB = 0.0203 mW/g = -33.85 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 321C4

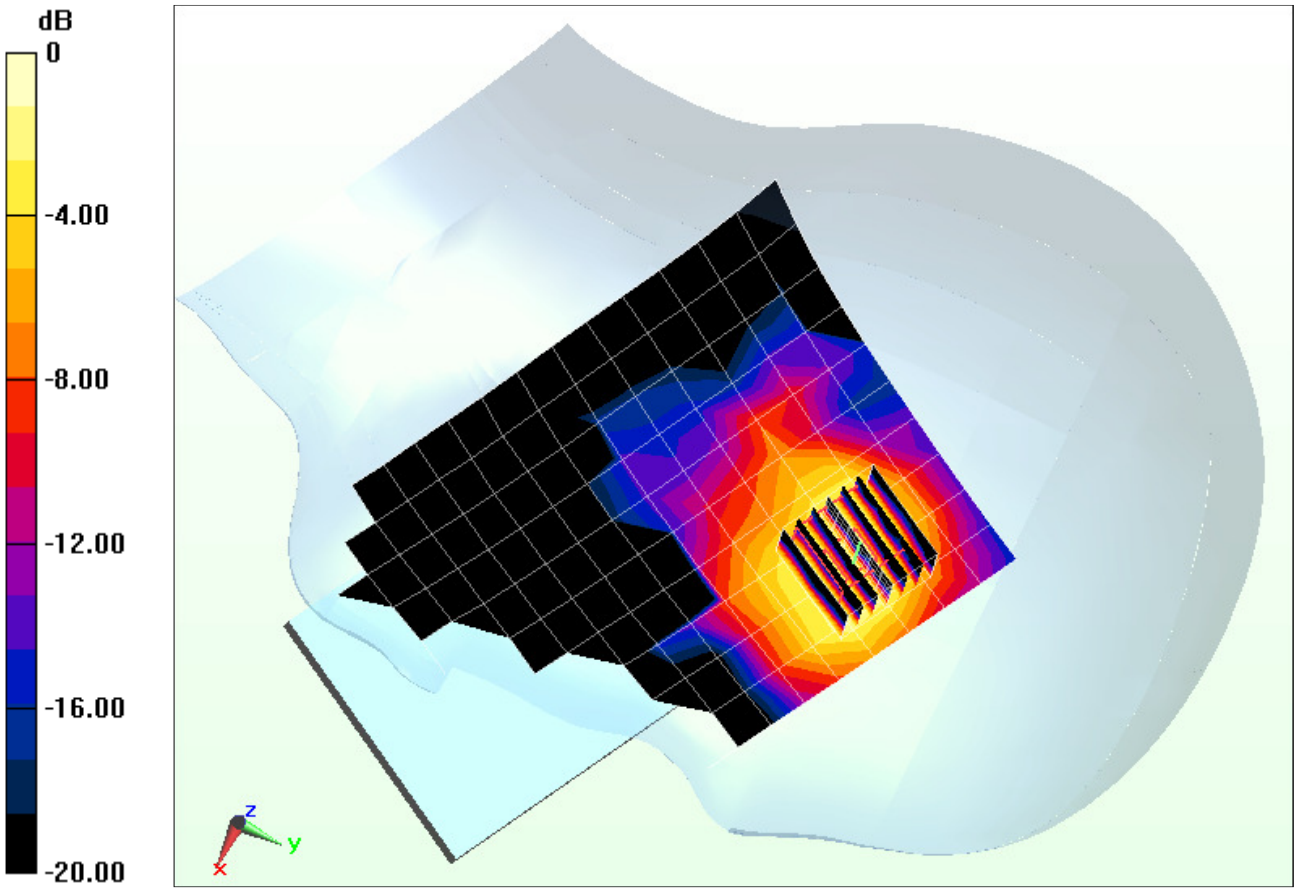
Communication System: IEEE 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: 2450 Head; Medium parameters used (interpolated):
f = 2462 MHz; σ = 1.879 mho/m; ε_r = 39.073; ρ = 1000 kg/m^3
Phantom section: Left Section

Test Date: 08-21-2012; Ambient Temp: 24.6°C; Tissue Temp: 22.7°C

Probe: ES3DV3 - SN3288; ConvF(4.54, 4.54, 4.54); Calibrated: 2/7/2012;
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1333; Calibrated: 4/12/2012
Phantom: SAM V5.0 Right; Type: QD000P40CD; Serial: 1647
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: IEEE 802.11b, Left Head, Cheek, Ch 11, 1 Mbps

Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.079 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.091 mW/g
SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.021 mW/g



0 dB = 0.0546 mW/g = -25.26 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 321C4

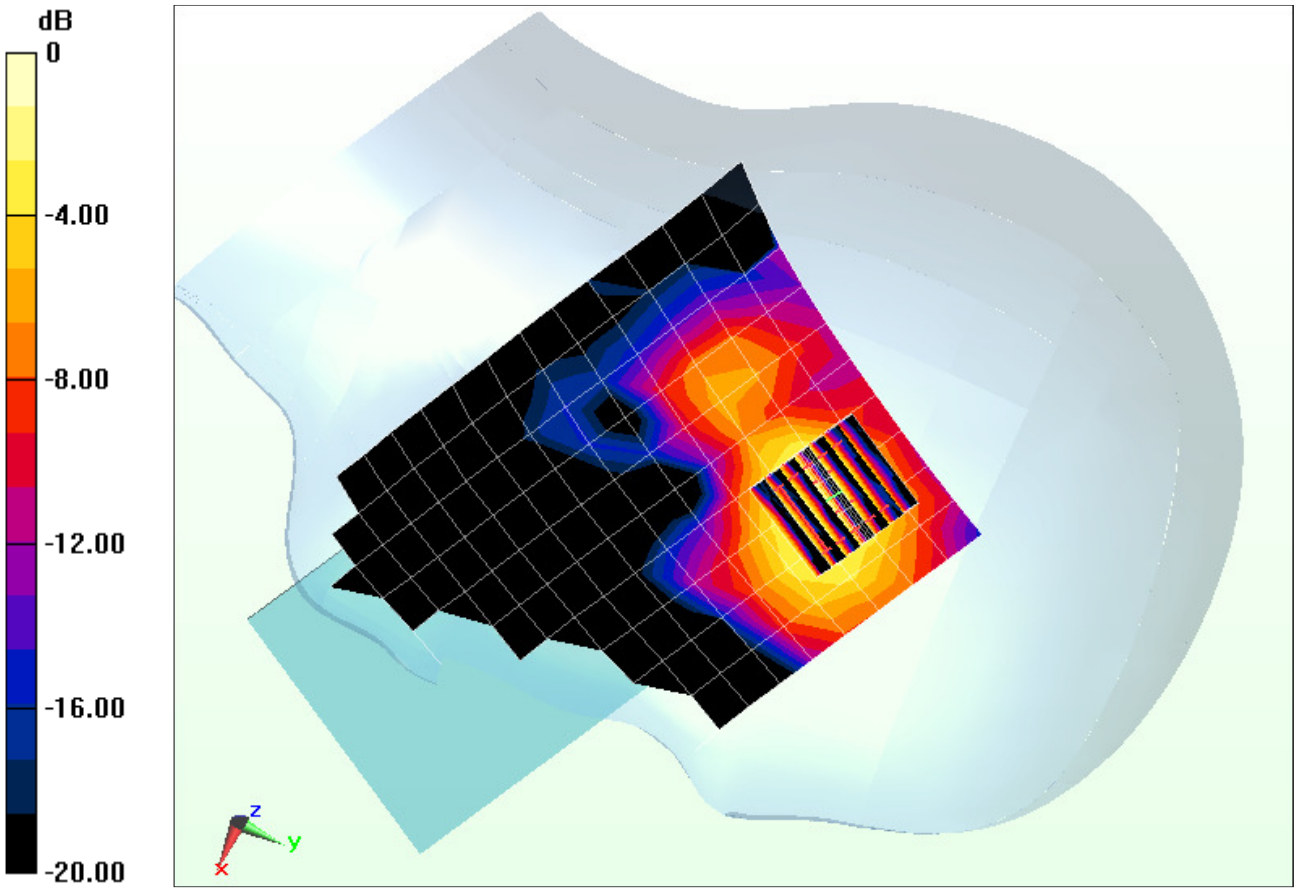
Communication System: IEEE 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: 2450 Head; Medium parameters used (interpolated):
f = 2462 MHz; σ = 1.879 mho/m; ε_r = 39.073; ρ = 1000 kg/m^3
Phantom section: Left Section

Test Date: 08-21-2012; Ambient Temp: 24.6°C; Tissue Temp: 22.7°C

Probe: ES3DV3 - SN3288; ConvF(4.54, 4.54, 4.54); Calibrated: 2/7/2012;
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1333; Calibrated: 4/12/2012
Phantom: SAM V5.0 Right; Type: QD000P40CD; Serial: 1647
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: IEEE 802.11b, Left Head, Tilt, Ch 11, 1 Mbps

Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.682 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.072 mW/g
SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.016 mW/g



0 dB = 0.0470 mW/g = -26.56 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 321C4

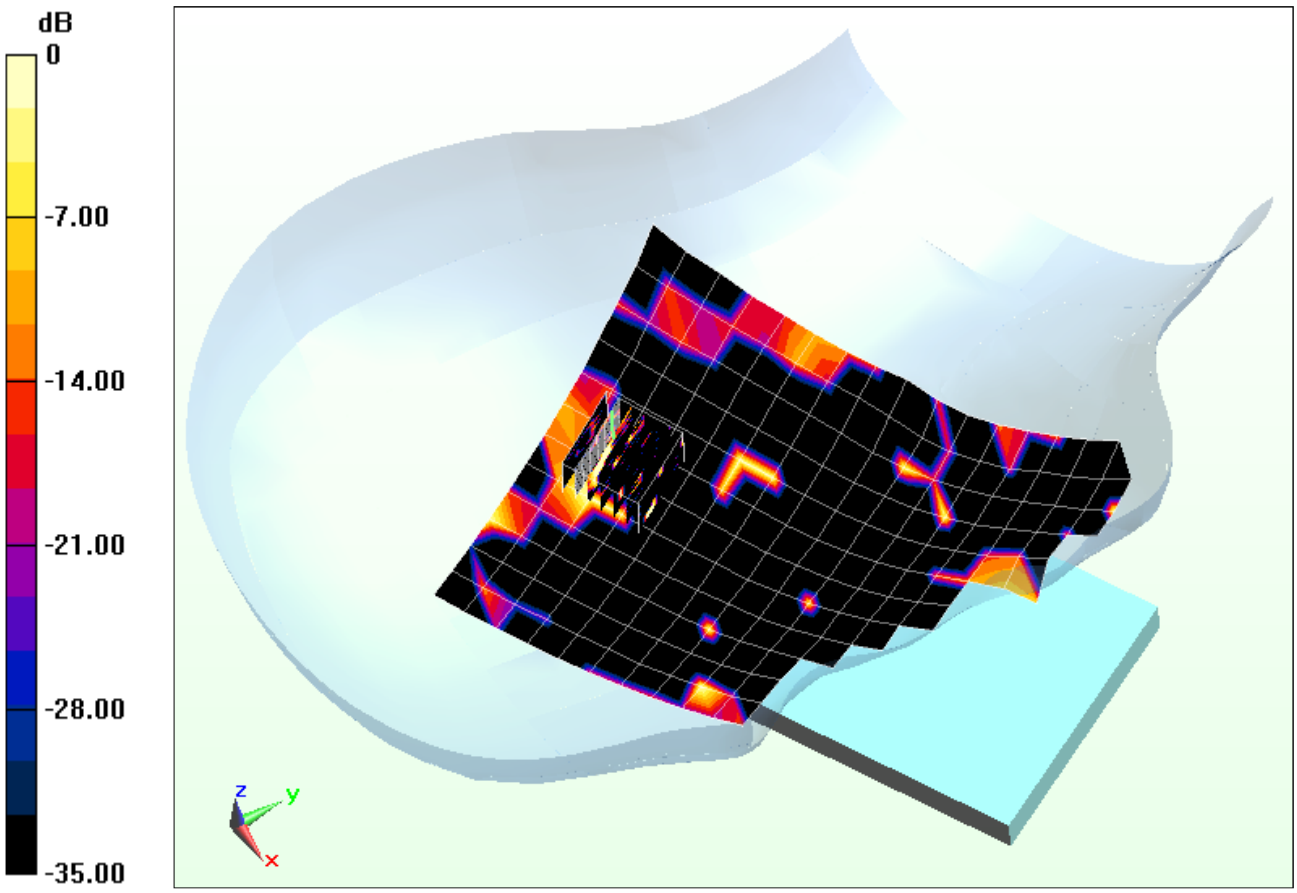
Communication System: IEEE 802.11a 5.2-5.8 GHz Band; Frequency: 5180 MHz; Duty Cycle: 1:1
Medium: 5 GHz Head; Medium parameters used:
f = 5180 MHz; σ = 4.441 mho/m; ε_r = 37.29; ρ = 1000 kg/m^3
Phantom section: Right Section

Test Date: 08-16-2012; Ambient Temp: 23.8°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN3589; ConvF(4.59, 4.59, 4.59); Calibrated: 1/27/2012;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1323; Calibrated: 2/15/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: IEEE 802.11a 5.2 GHz, Right Head, Cheek, Ch 36, 6 Mbps

Area Scan (13x19x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.942 V/m; Power Drift = 0.115 dB
Peak SAR (extrapolated) = 0 mW/g
SAR(1 g) = 0.00 mW/g ; SAR(10 g) = 0.00 mW/g



0 dB = 0.0327 mW/g = -29.71 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 321C4

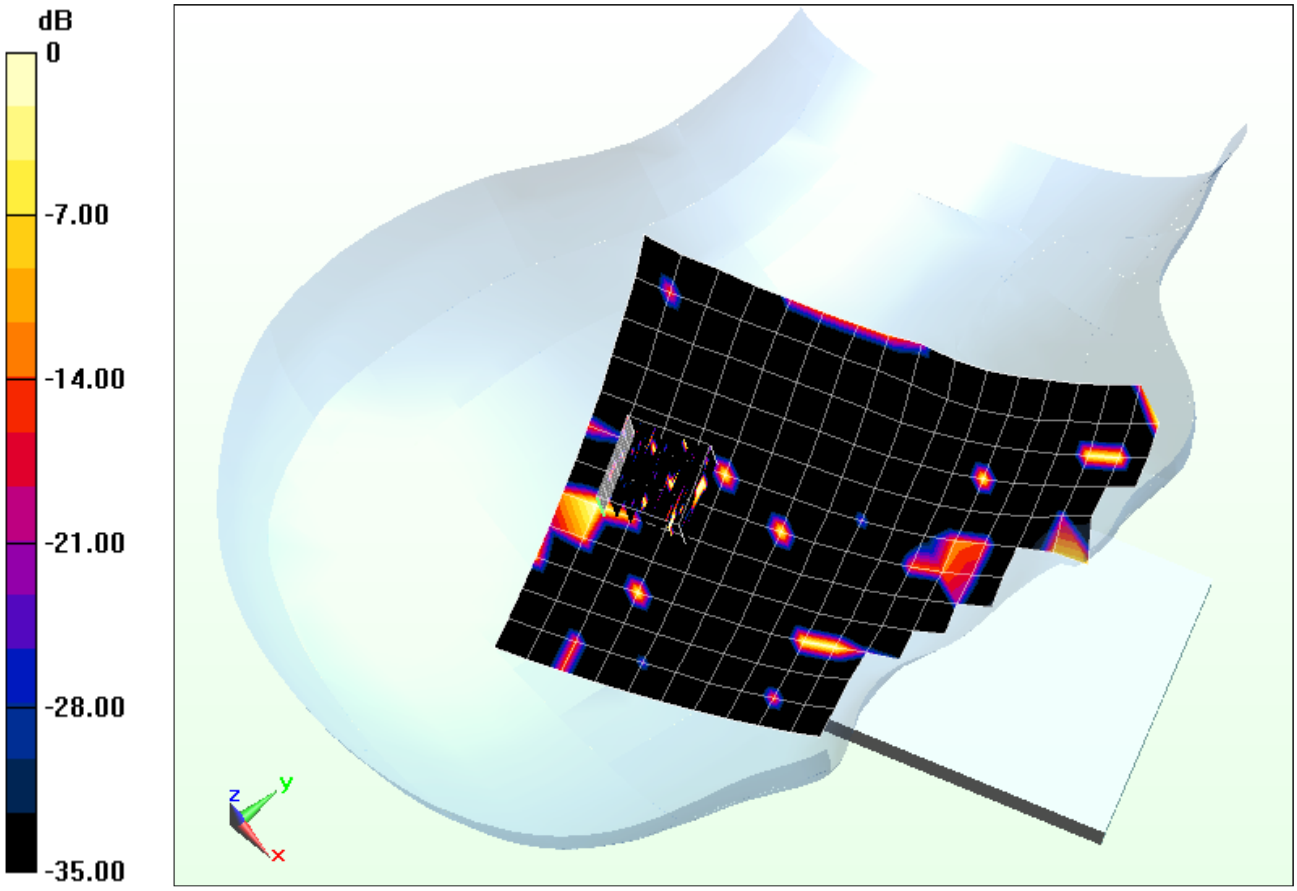
Communication System: IEEE 802.11a 5.2-5.8 GHz Band; Frequency: 5180 MHz; Duty Cycle: 1:1
Medium: 5 GHz Head; Medium parameters used:
f = 5180 MHz; σ = 4.441 mho/m; ε_r = 37.29; ρ = 1000 kg/m^3
Phantom section: Right Section

Test Date: 08-16-2012; Ambient Temp: 23.8°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN3589; ConvF(4.59, 4.59, 4.59); Calibrated: 1/27/2012;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1323; Calibrated: 2/15/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: IEEE 802.11a 5.2 GHz, Right Head, Tilt, Ch 36, 6 Mbps

Area Scan (13x19x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0 mW/g
SAR(1 g) = 0.00 mW/g ; SAR(10 g) = 0.00 mW/g



0 dB = 0.0303 mW/g = -30.37 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 321C4

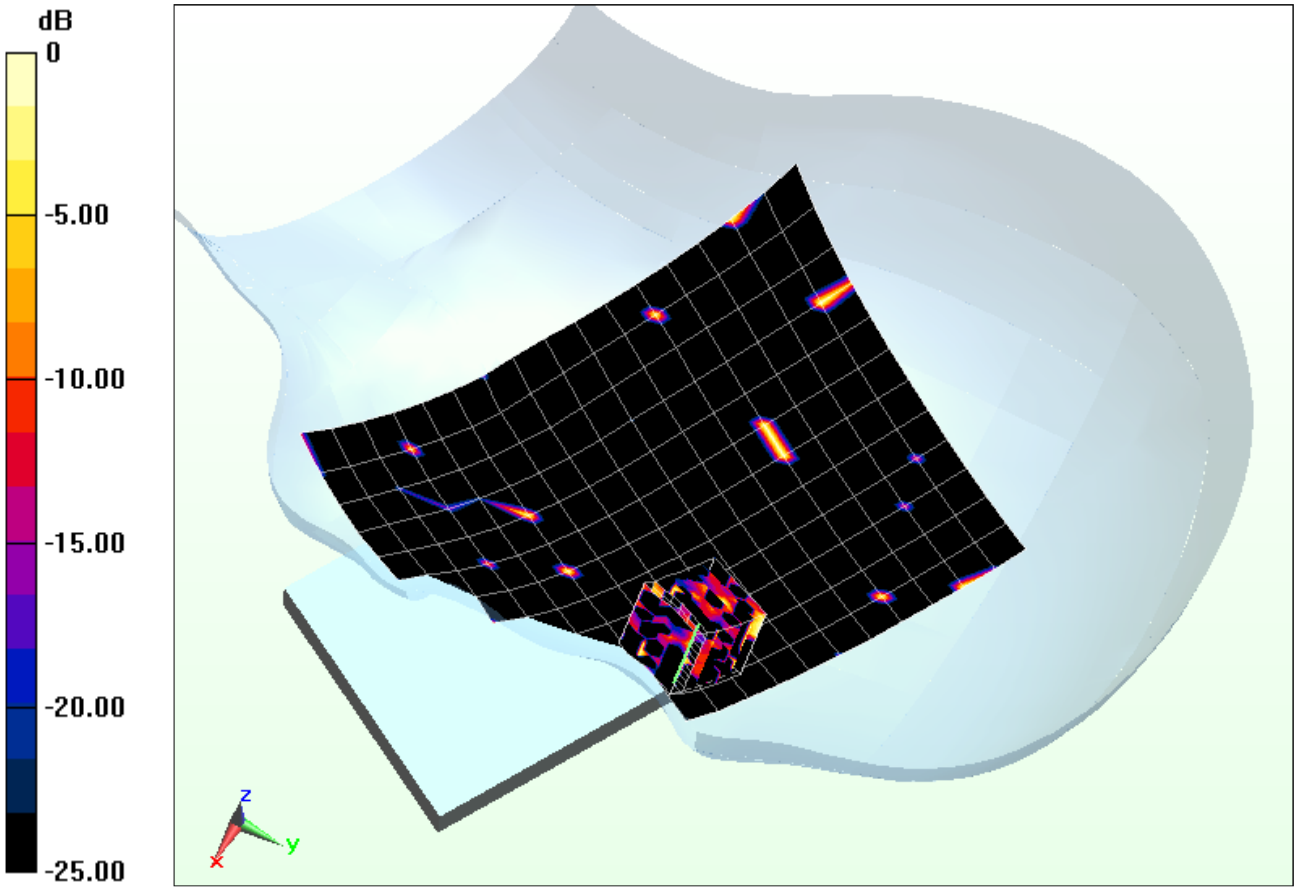
Communication System: IEEE 802.11a 5.2-5.8 GHz Band; Frequency: 5180 MHz; Duty Cycle: 1:1
Medium: 5 GHz Head; Medium parameters used:
f = 5180 MHz; σ = 4.441 mho/m; ε_r = 37.29; ρ = 1000 kg/m^3
Phantom section: Left Section

Test Date: 08-16-2012; Ambient Temp: 23.8°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN3589; ConvF(4.59, 4.59, 4.59); Calibrated: 1/27/2012;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1323; Calibrated: 2/15/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: IEEE 802.11a, 5.2 GHz Left Head, Cheek, Ch 36, 6 Mbps

Area Scan (13x17x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.389 V/m; Power Drift = 0.159 dB
Peak SAR (extrapolated) = 0 mW/g
SAR(1 g) = 0.00 mW/g ; SAR(10 g) = 0.00 mW/g



0 dB = 0.0306 mW/g = -30.29 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 321C4

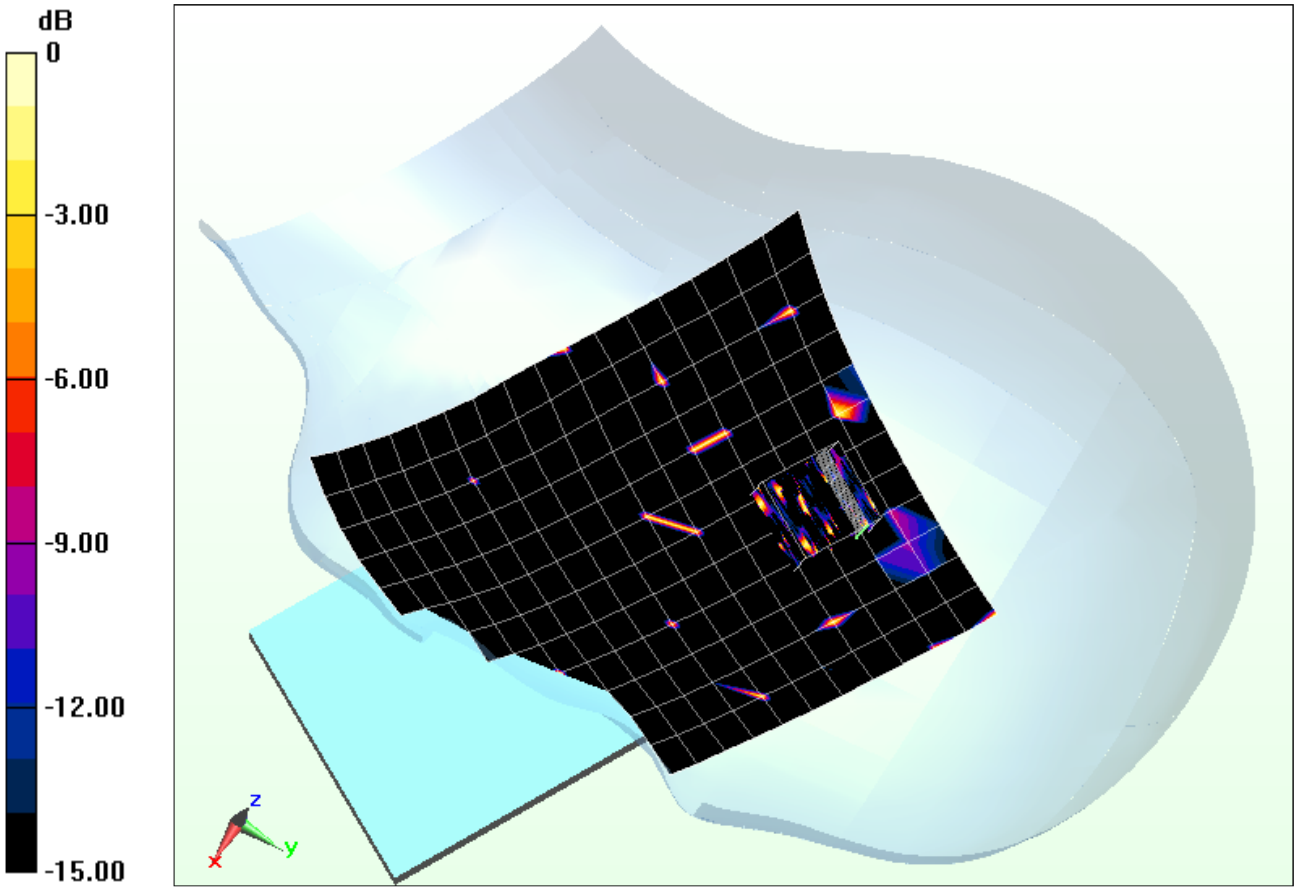
Communication System: IEEE 802.11a 5.2-5.8 GHz Band; Frequency: 5280 MHz; Duty Cycle: 1:1
Medium: 5 GHz Head; Medium parameters used:
f = 5180 MHz; σ = 4.441 mho/m; ε_r = 37.29; ρ = 1000 kg/m^3
Phantom section: Left Section

Test Date: 08-16-2012; Ambient Temp: 23.8°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN3589; ConvF(4.59, 4.59, 4.59); Calibrated: 1/27/2012;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1323; Calibrated: 2/15/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: IEEE 802.11a, 5.2 GHz Left Head, Tilt, Ch 36, 6 Mbps

Area Scan (13x17x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0 mW/g
SAR(1 g) = 0.00 mW/g ; SAR(10 g) = 0.00 mW/g



0 dB = 0.0317 mW/g = -29.98 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32386

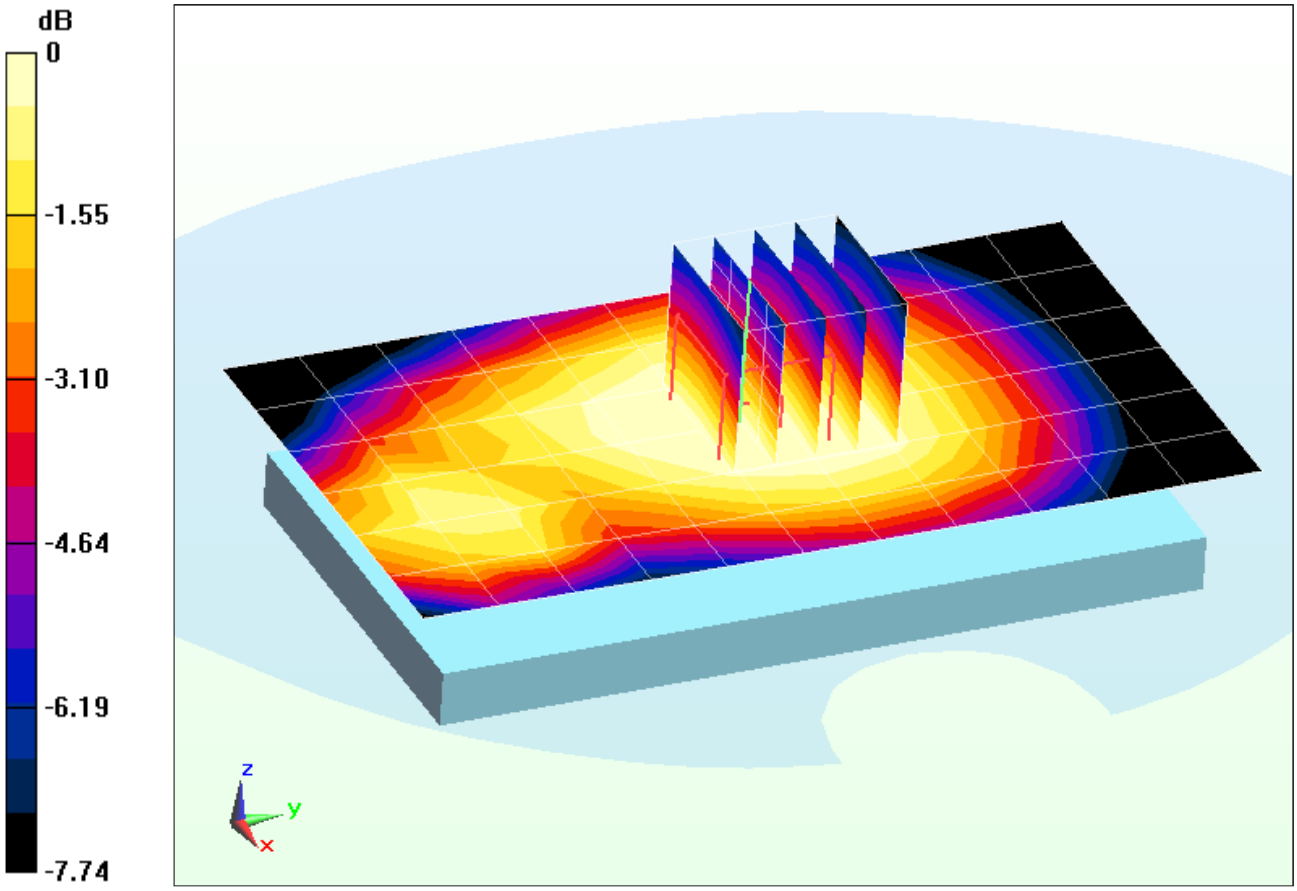
Communication System: Cellular CDMA; Frequency: 820.1 MHz; Duty Cycle: 1:1
Medium: 835 Body; Medium parameters used (interpolated):
f = 820.1 MHz; σ = 0.985 mho/m; ε_r = 54.32; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-14-2012; Ambient Temp: 24.8°C; Tissue Temp: 24.0°C

Probe: ES3DV3 - SN3258; ConvF(6.06, 6.06, 6.06); Calibrated: 2/21/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406
Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

Mode: Cellular EVDO Rev. 0 - FCC Rule Part 90S, Body SAR, Back side, Mid.ch

Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.143 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.557 mW/g
SAR(1 g) = 0.454 mW/g; SAR(10 g) = 0.352 mW/g



0 dB = 0.475 mW/g = -6.47 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32386

Communication System: Cellular CDMA; Frequency: 820.1 MHz; Duty Cycle: 1:1
Medium: 835 Body; Medium parameters used (interpolated):
f = 820.1 MHz; σ = 0.985 mho/m; ε_r = 54.32; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

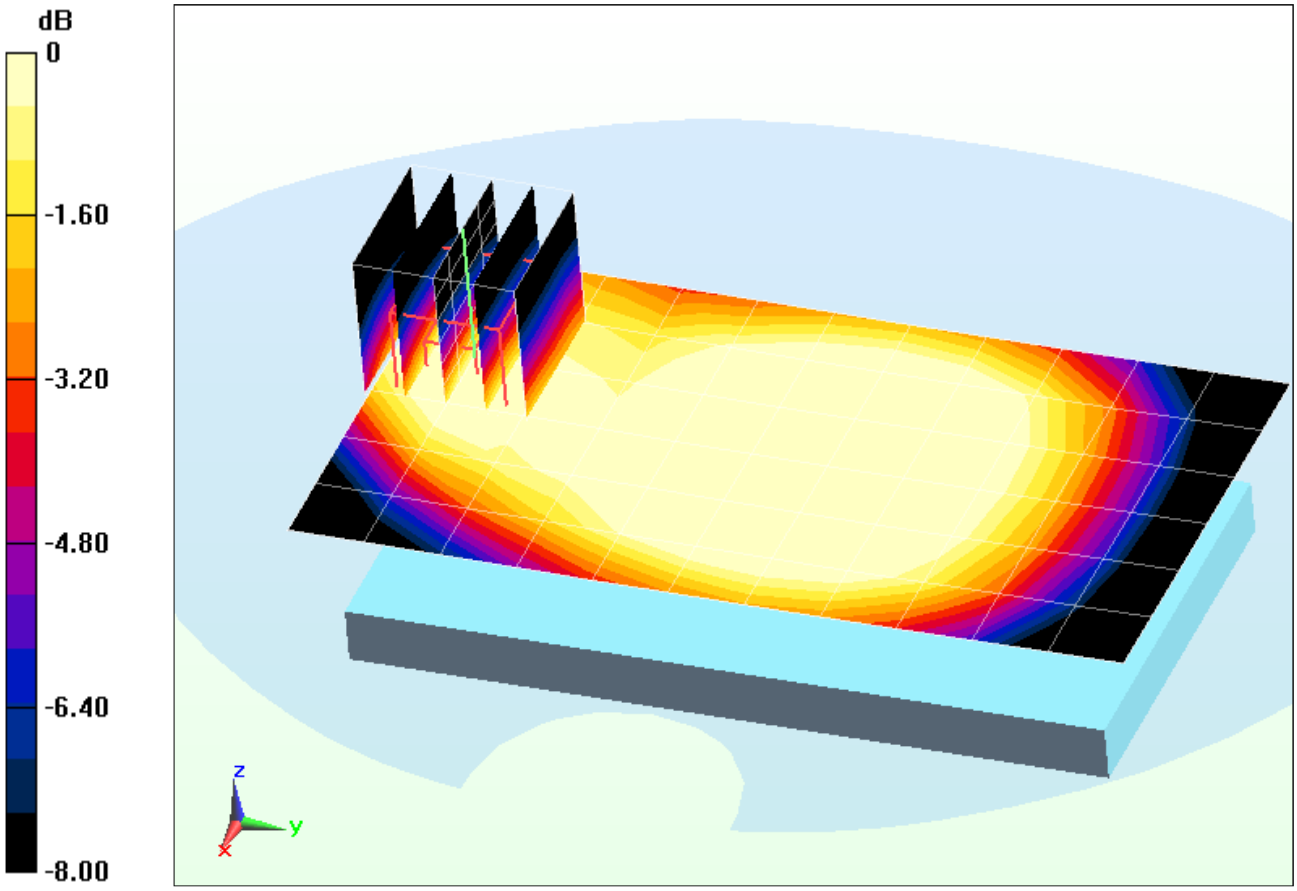
Test Date: 08-14-2012; Ambient Temp: 24.8°C; Tissue Temp: 24.0°C

Probe: ES3DV3 - SN3258; ConvF(6.06, 6.06, 6.06); Calibrated: 2/21/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: Cellular CDMA - FCC Rule Part 90S, Body SAR, Front side, Mid.ch

Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.041 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.319 mW/g

SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.120 mW/g



0 dB = 0.209 mW/g = -13.60 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32386

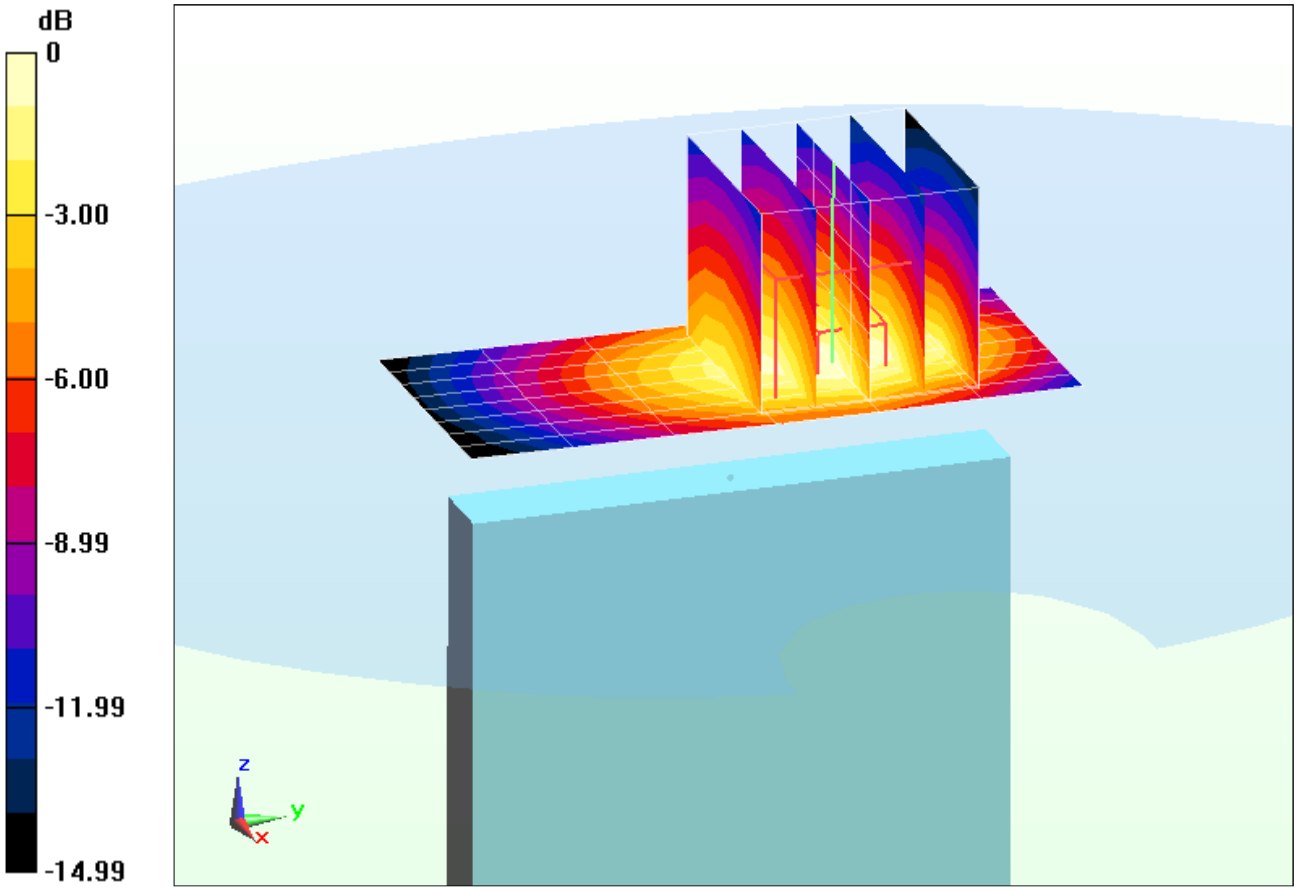
Communication System: Cellular CDMA; Frequency: 820.1 MHz; Duty Cycle: 1:1
Medium: 835 Body; Medium parameters used (interpolated):
f = 820.1 MHz; σ = 0.985 mho/m; ε_r = 54.32; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-14-2012; Ambient Temp: 24.8°C; Tissue Temp: 24.0°C

Probe: ES3DV3 - SN3258; ConvF(6.06, 6.06, 6.06); Calibrated: 2/21/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: Cellular EVDO Rev. 0 - FCC Rule Part 90S, Body SAR, Bottom Edge, Mid.ch

Area Scan (9x7x1): Measurement grid: dx=5mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.872 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.729 mW/g
SAR(1 g) = 0.424 mW/g; SAR(10 g) = 0.247 mW/g



0 dB = 0.466 mW/g = -6.63 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32386

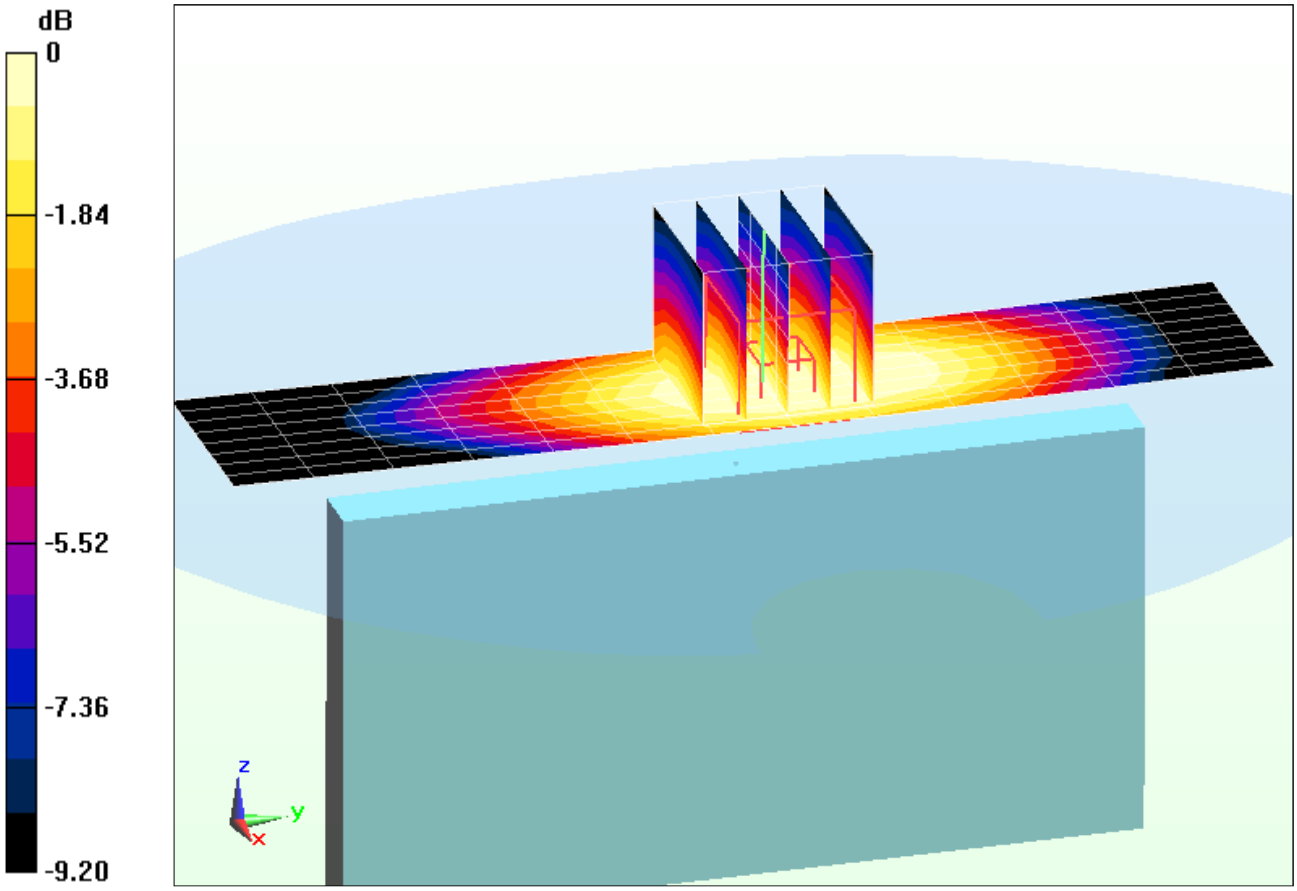
Communication System: Cellular CDMA; Frequency: 820.1 MHz; Duty Cycle: 1:1
Medium: 835 Body; Medium parameters used (interpolated):
f = 820.1 MHz; σ = 0.985 mho/m; ε_r = 54.32; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-14-2012; Ambient Temp: 24.8°C; Tissue Temp: 24.0°C

Probe: ES3DV3 - SN3258; ConvF(6.06, 6.06, 6.06); Calibrated: 2/21/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: Cellular EVDO Rev. 0 - FCC Rule Part 90S, Body SAR, Left Edge, Mid.ch

Area Scan (9x14x1): Measurement grid: dx=5mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.256 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.541 mW/g
SAR(1 g) = 0.396 mW/g; SAR(10 g) = 0.277 mW/g



0 dB = 0.421 mW/g = -7.51 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32386

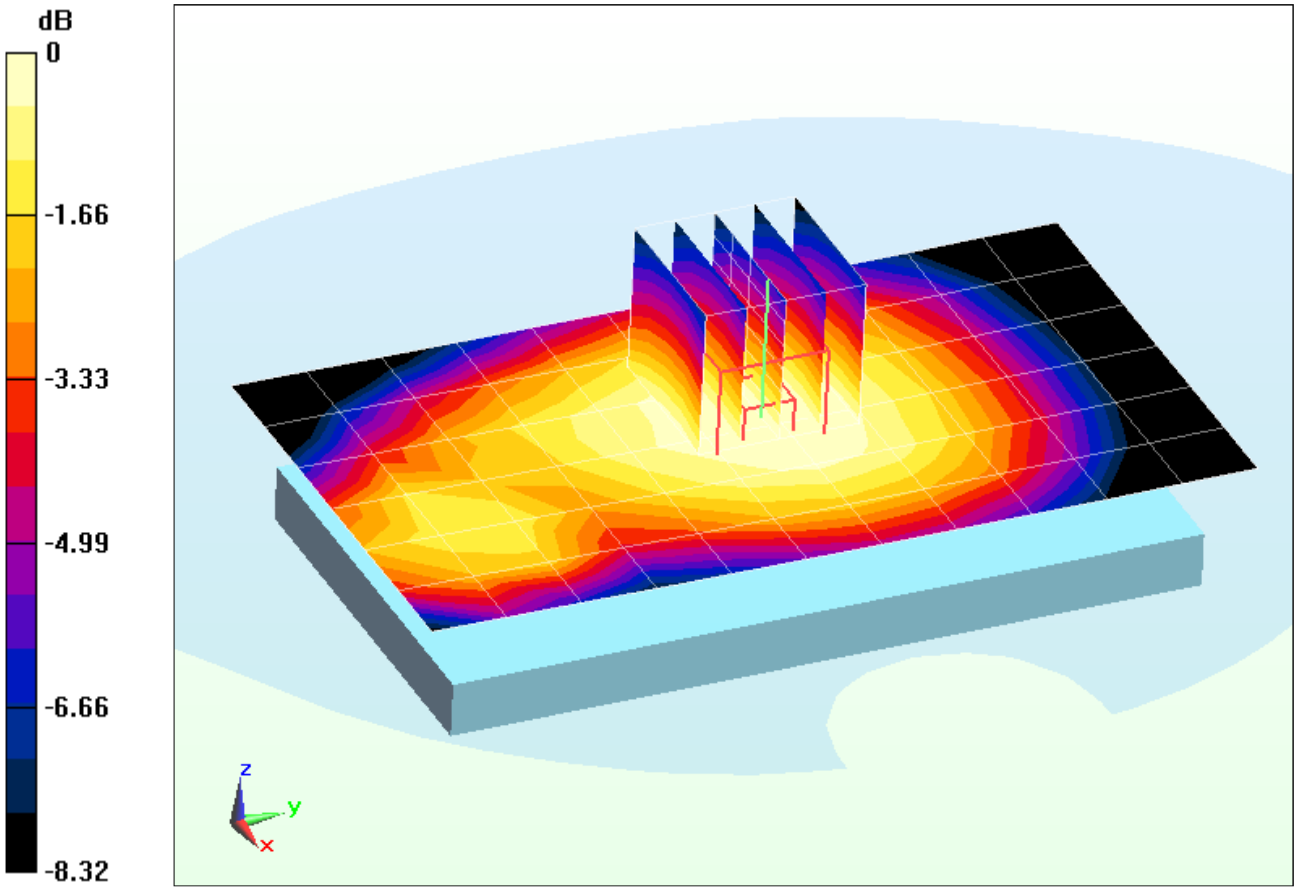
Communication System: Cellular CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: 835 Body; Medium parameters used (interpolated):
f = 836.52 MHz; σ = 1.006 mho/m; ε_r = 54.349; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-14-2012; Ambient Temp: 24.8°C; Tissue Temp: 24.0°C

Probe: ES3DV3 - SN3258; ConvF(6.06, 6.06, 6.06); Calibrated: 2/21/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: Cellular EVDO Rev. 0 - FCC Rule Part 22H, Body SAR, Back side, Mid.ch

Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.510 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.627 mW/g
SAR(1 g) = 0.507 mW/g; SAR(10 g) = 0.391 mW/g



0 dB = 0.528 mW/g = -5.55 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32386

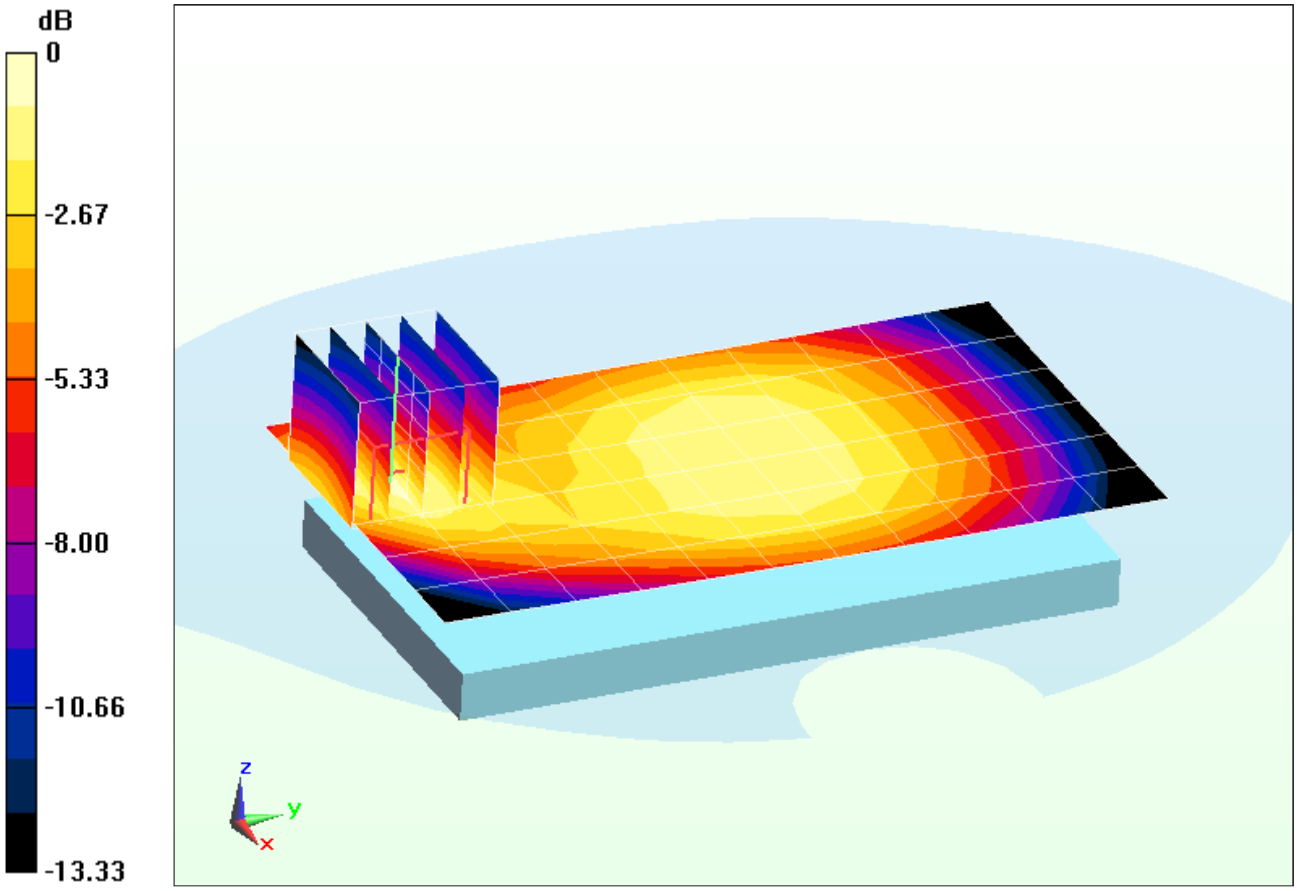
Communication System: Cellular CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: 835 Body; Medium parameters used (interpolated):
f = 836.52 MHz; σ = 1.006 mho/m; ε_r = 54.349; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-14-2012; Ambient Temp: 24.8°C; Tissue Temp: 24.0°C

Probe: ES3DV3 - SN3258; ConvF(6.06, 6.06, 6.06); Calibrated: 2/21/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: Cellular EVDO Rev. 0 - FCC Rule Part 22H, Body SAR, Front side, Mid.ch

Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.903 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.564 mW/g
SAR(1 g) = 0.337 mW/g; SAR(10 g) = 0.201 mW/g



0 dB = 0.368 mW/g = -8.68 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32386

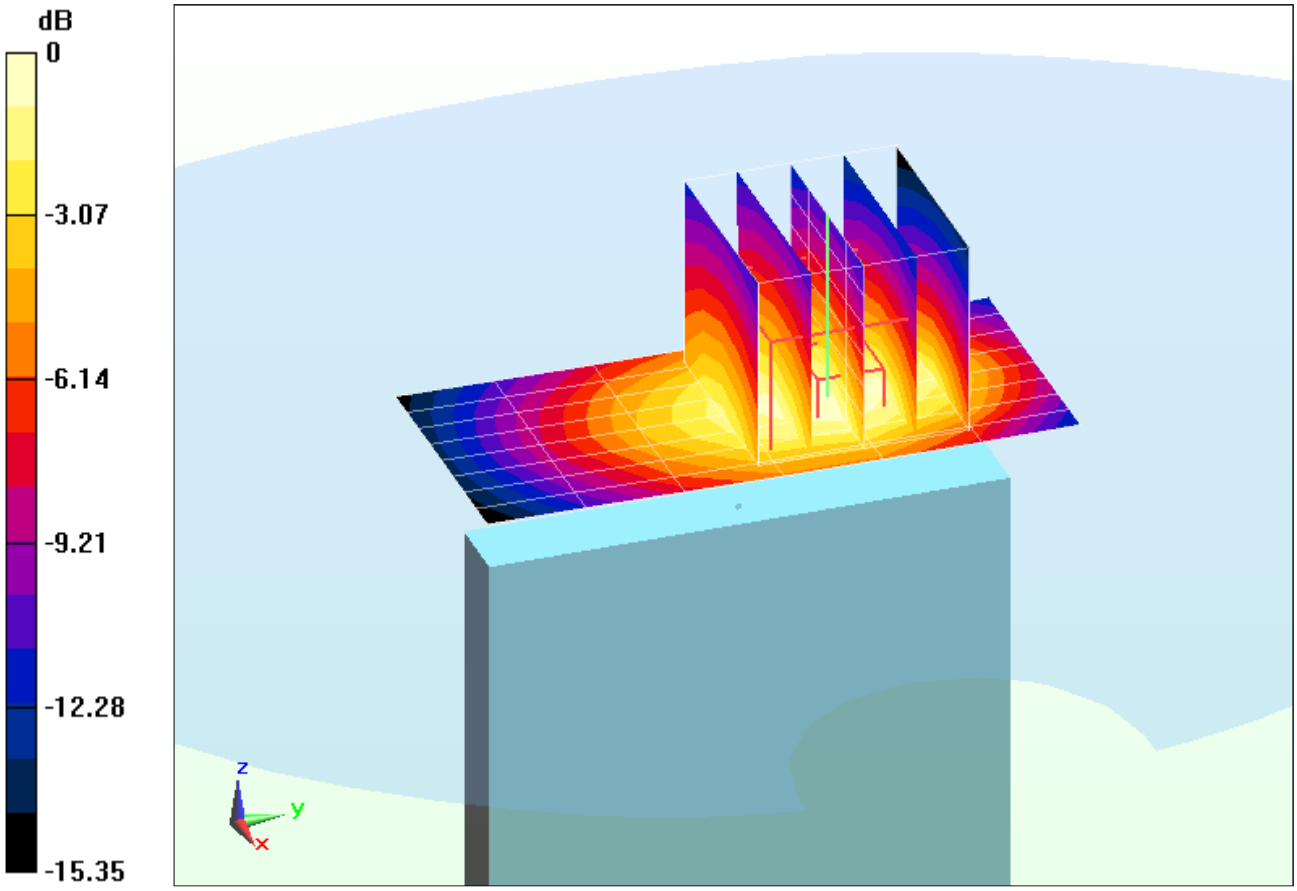
Communication System: Cellular CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: 835 Body; Medium parameters used (interpolated):
f = 836.52 MHz; σ = 1.006 mho/m; ε_r = 54.349; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-14-2012; Ambient Temp: 24.8°C; Tissue Temp: 24.0°C

Probe: ES3DV3 - SN3258; ConvF(6.06, 6.06, 6.06); Calibrated: 2/21/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: Cellular CDMA - FCC Rule Part 22H, Body SAR, Bottom Edge, Mid.ch

Area Scan (9x7x1): Measurement grid: dx=5mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.355 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.752 mW/g
SAR(1 g) = 0.443 mW/g; SAR(10 g) = 0.260 mW/g



0 dB = 0.489 mW/g = -6.21 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32386

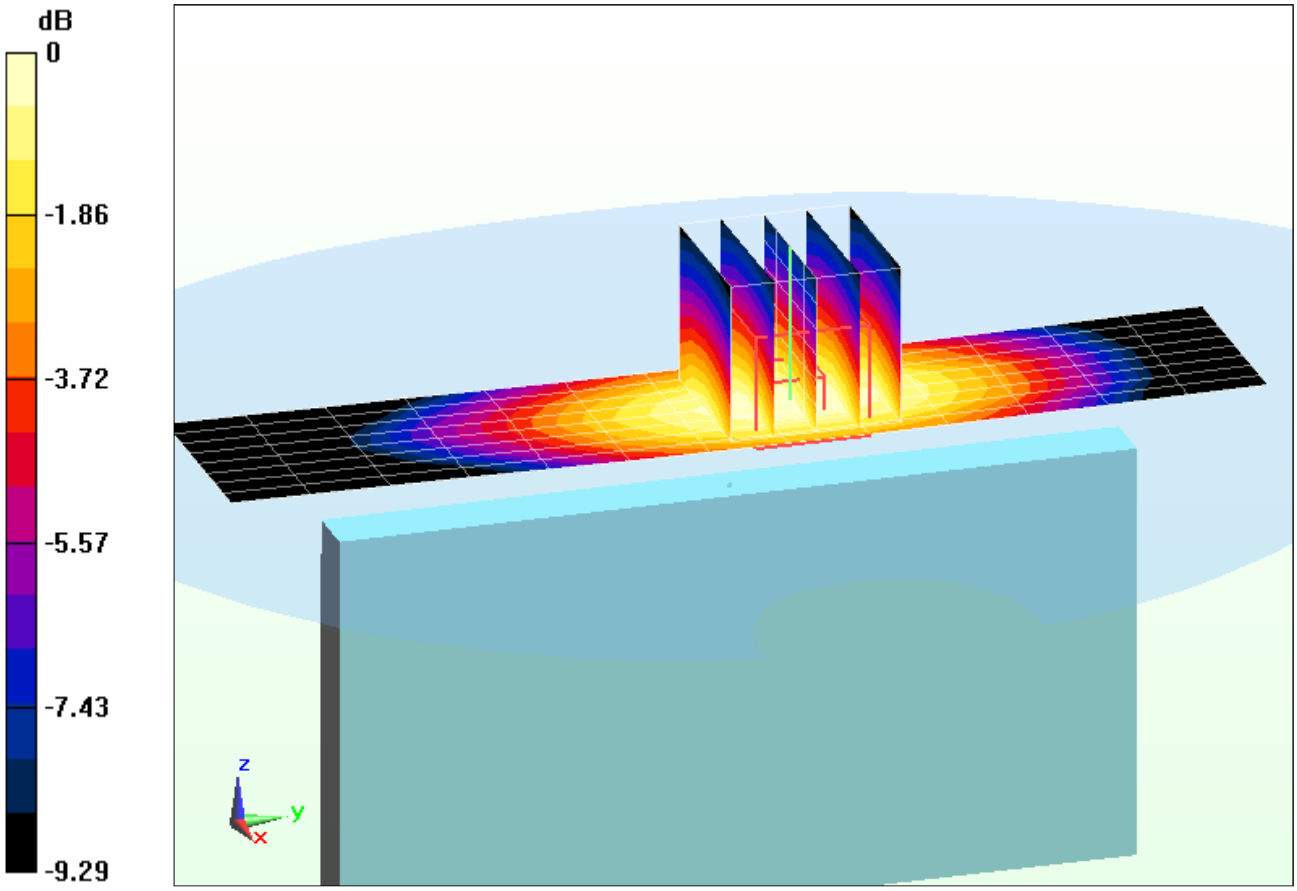
Communication System: Cellular CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: 835 Body; Medium parameters used (interpolated):
f = 836.52 MHz; σ = 1.006 mho/m; ε_r = 54.349; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-14-2012; Ambient Temp: 24.8°C; Tissue Temp: 24.0°C

Probe: ES3DV3 - SN3258; ConvF(6.06, 6.06, 6.06); Calibrated: 2/21/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: Cellular EVDO Rev. 0 - FCC Rule Part 22H, Body SAR, Left Edge, Mid.ch

Area Scan (9x14x1): Measurement grid: dx=5mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.570 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.628 mW/g
SAR(1 g) = 0.462 mW/g; SAR(10 g) = 0.320 mW/g



0 dB = 0.495 mW/g = -6.11 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32388

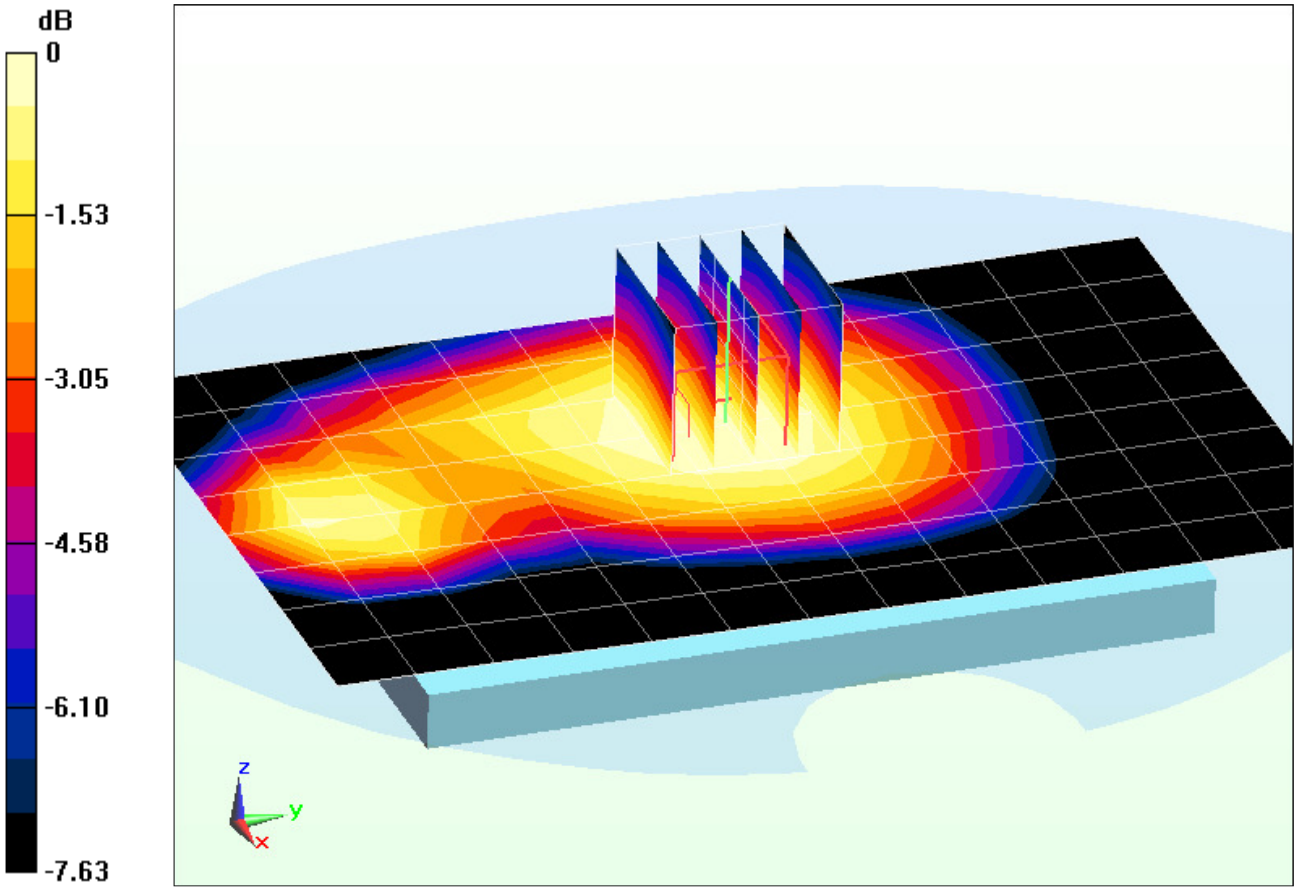
Communication System: GSM850 GPRS; 2 Tx slots; Frequency: 848.8 MHz; Duty Cycle: 1:4.15
Medium: 835 Body; Medium parameters used (interpolated):
f = 848.8 MHz; σ = 1.02 mho/m; ε_r = 54.095; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-14-2012; Ambient Temp: 24.8°C; Tissue Temp: 24.0°C

Probe: ES3DV3 - SN3258; ConvF(6.06, 6.06, 6.06); Calibrated: 2/21/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: GPRS 850, Body SAR, Back side, High.ch, 2 Tx Slots

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.944 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.438 mW/g
SAR(1 g) = 0.345 mW/g; SAR(10 g) = 0.265 mW/g



0 dB = 0.360 mW/g = -8.87 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32388

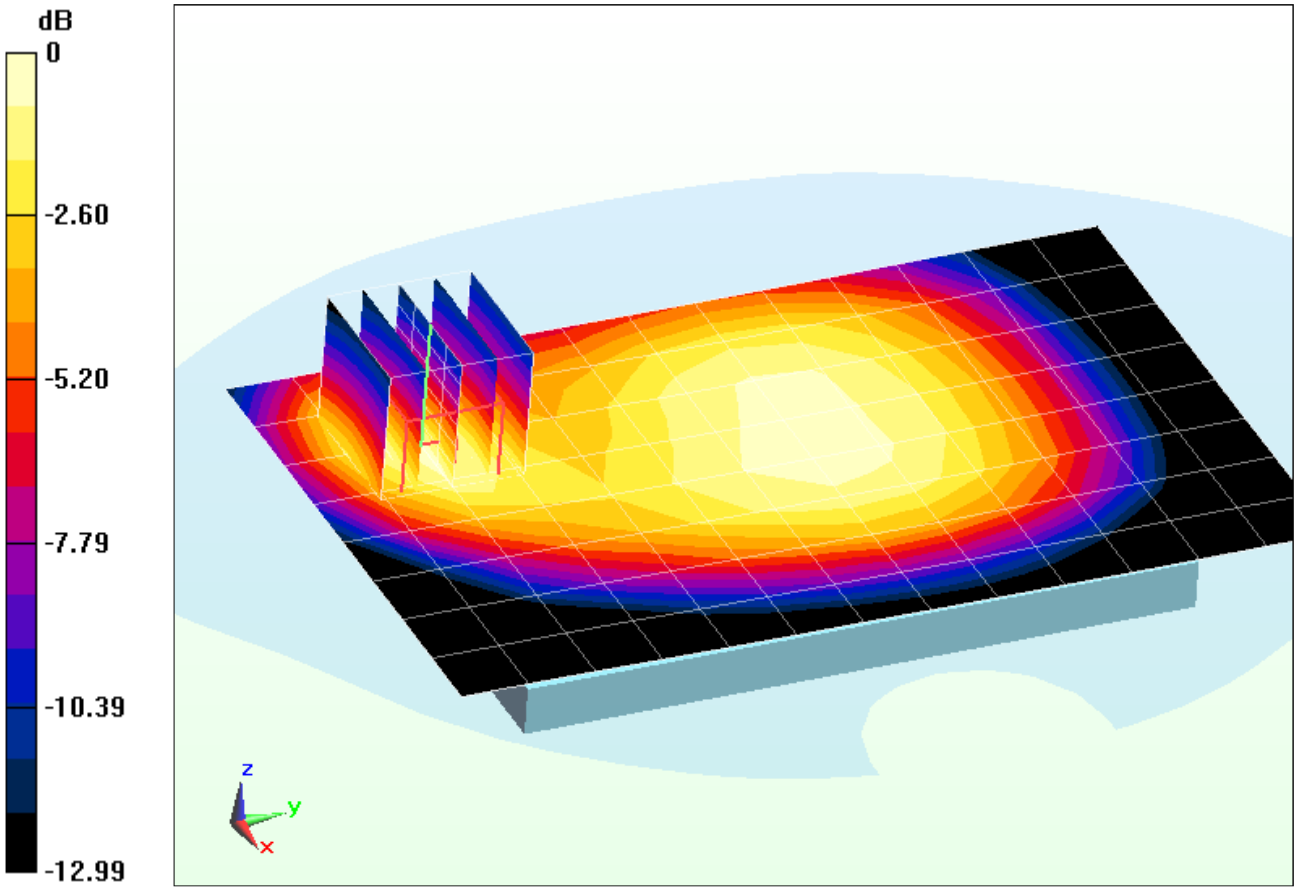
Communication System: GSM850 GPRS; 2 Tx slots; Frequency: 848.8 MHz; Duty Cycle: 1:4.15
Medium: 835 Body; Medium parameters used (interpolated):
f = 848.8 MHz; σ = 1.02 mho/m; ε_r = 54.095; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-14-2012; Ambient Temp: 24.8°C; Tissue Temp: 24.0°C

Probe: ES3DV3 - SN3258; ConvF(6.06, 6.06, 6.06); Calibrated: 2/21/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: GPRS 850, Body SAR, Front side, High.ch, 2 Tx Slots

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.260 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.387 mW/g
SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.146 mW/g



0 dB = 0.259 mW/g = -11.73 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32388

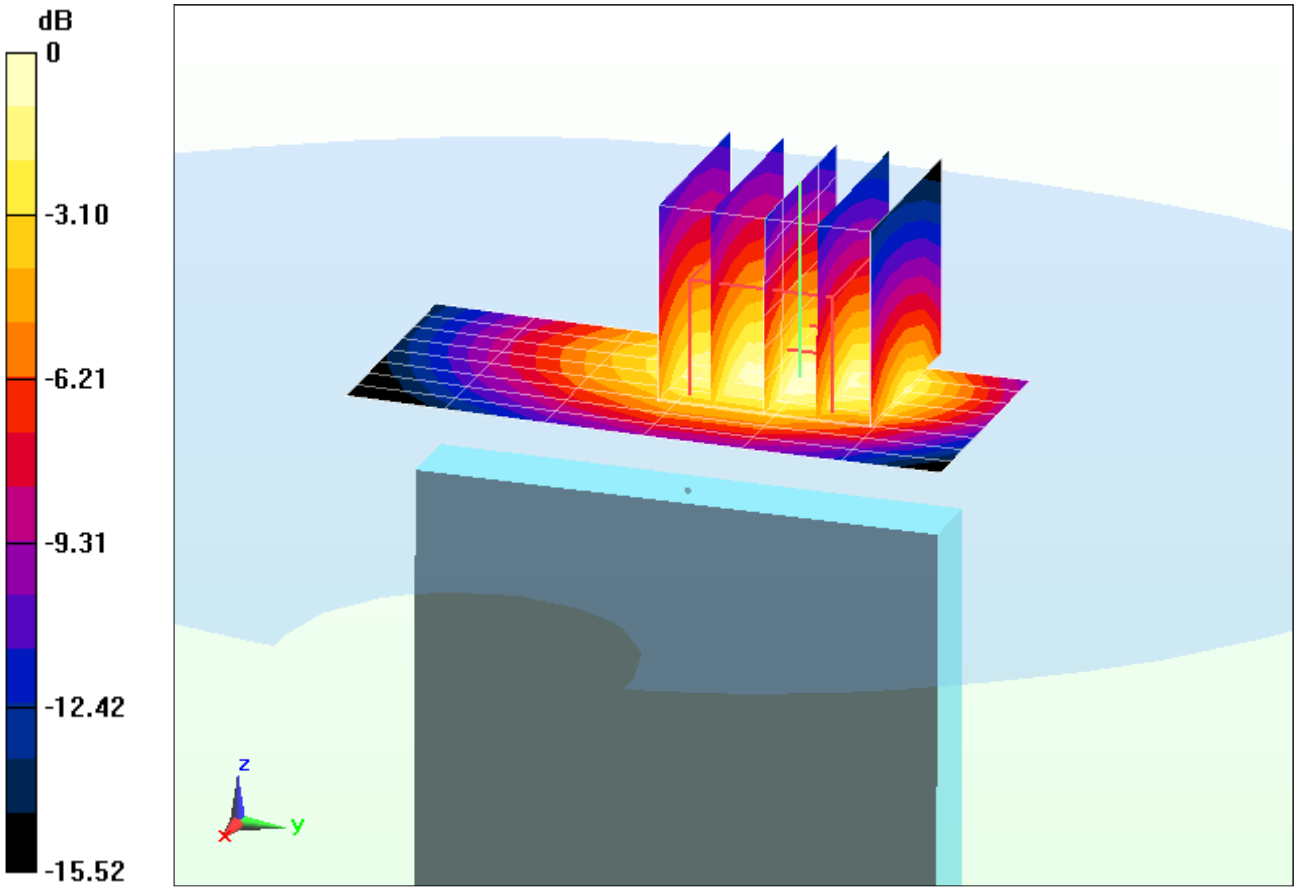
Communication System: GSM 850 GPRS; 2 Tx slots; Frequency: 848.8 MHz; Duty Cycle: 1:4.15
Medium: 835 Body; Medium parameters used (interpolated):
f = 848.8 MHz; σ = 1.02 mho/m; ε_r = 54.095; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-14-2012; Ambient Temp: 24.8°C; Tissue Temp: 24.0°C

Probe: ES3DV3 - SN3258; ConvF(6.06, 6.06, 6.06); Calibrated: 2/21/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: GPRS 850, Body SAR, Bottom Edge, High.ch, 2 Tx Slots

Area Scan (9x7x1): Measurement grid: dx=5mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.470 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.702 mW/g
SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.236 mW/g



0 dB = 0.441 mW/g = -7.11 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32388

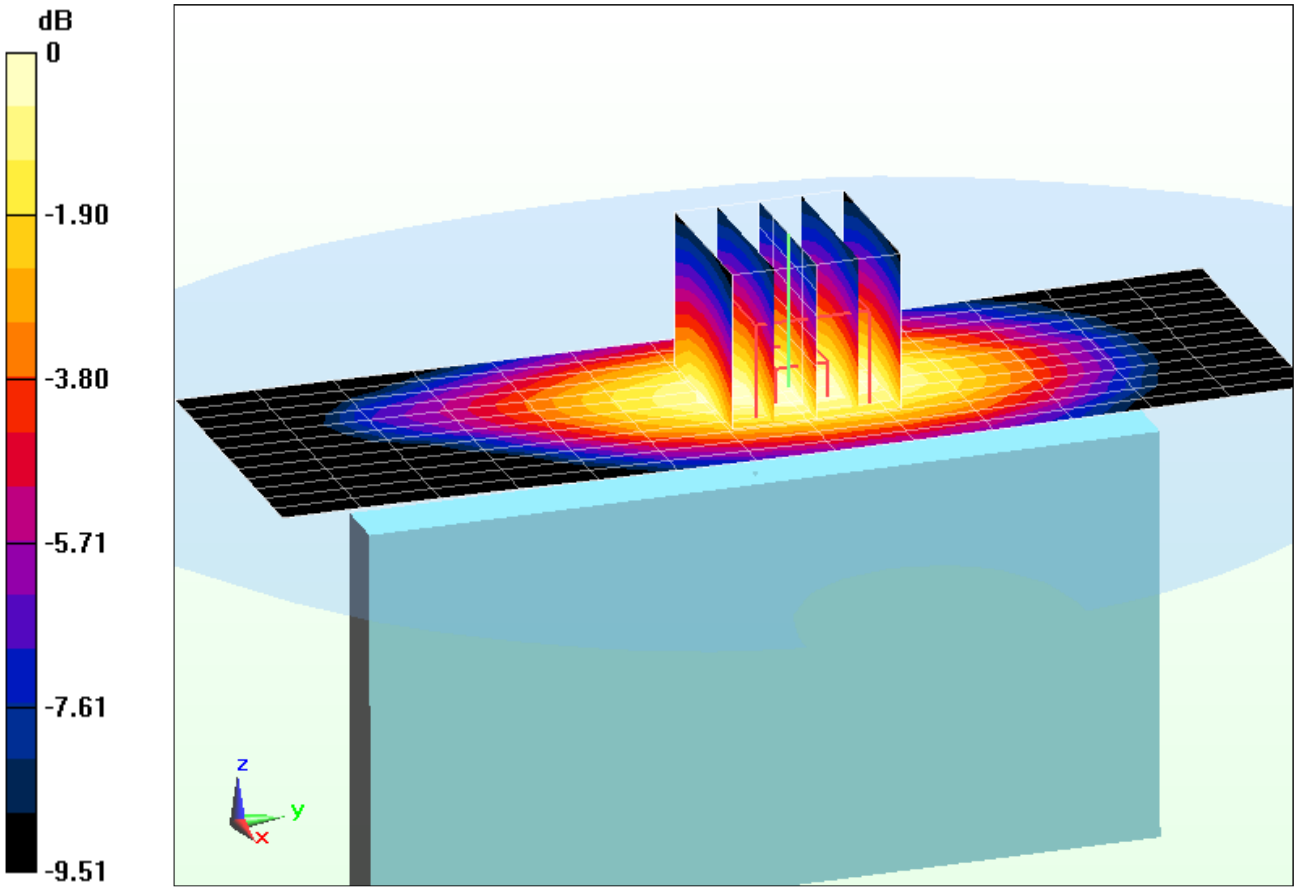
Communication System: GSM 850 GPRS; 2 Tx slots; Frequency: 848.8 MHz; Duty Cycle: 1:4.15
Medium: 835 Body; Medium parameters used (interpolated):
f = 848.8 MHz; σ = 1.02 mho/m; ε_r = 54.095; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-14-2012; Ambient Temp: 24.8°C; Tissue Temp: 24.0°C

Probe: ES3DV3 - SN3258; ConvF(6.06, 6.06, 6.06); Calibrated: 2/21/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: GPRS 850, Body SAR, Left Edge, High.ch, 2 Tx Slots

Area Scan (13x14x1): Measurement grid: dx=5mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.200 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.527 mW/g
SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.262 mW/g



0 dB = 0.402 mW/g = -7.92 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32209

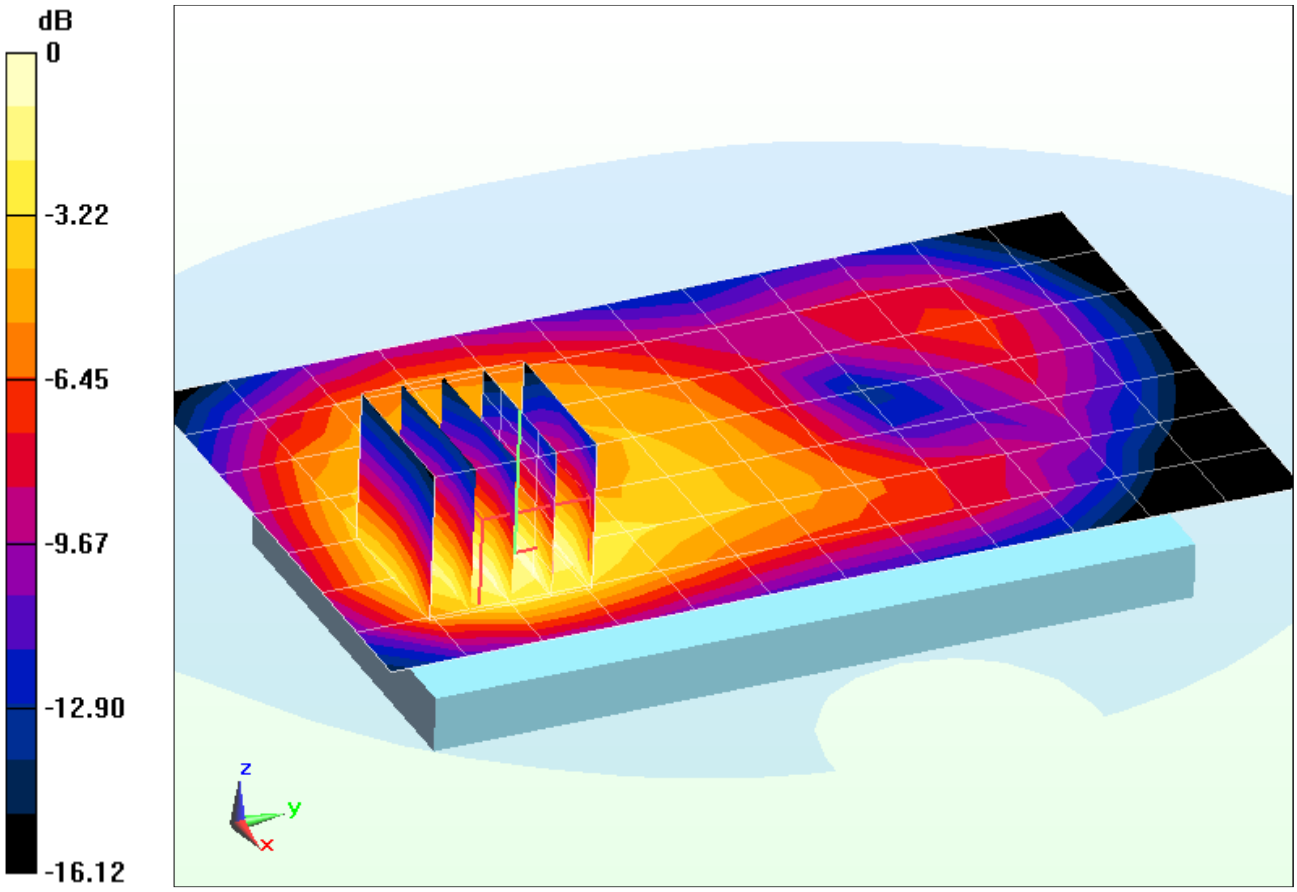
Communication System: CDMA; Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium: 1900 Body; Medium parameters used (interpolated):
f = 1908.75 MHz; σ = 1.526 mho/m; ε_r = 52.446; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-15-2012; Ambient Temp: 21.9°C; Tissue Temp: 22.1°C

Probe: ES3DV3 - SN3287; ConvF(4.76, 4.76, 4.76); Calibrated: 2/7/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 front; Type: QD000P40CD; Serial: TP-1646
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: PCS CDMA, Body SAR, Back side, High.ch

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.369 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.756 mW/g
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.593 mW/g



0 dB = 1.10 mW/g = 0.83 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32209

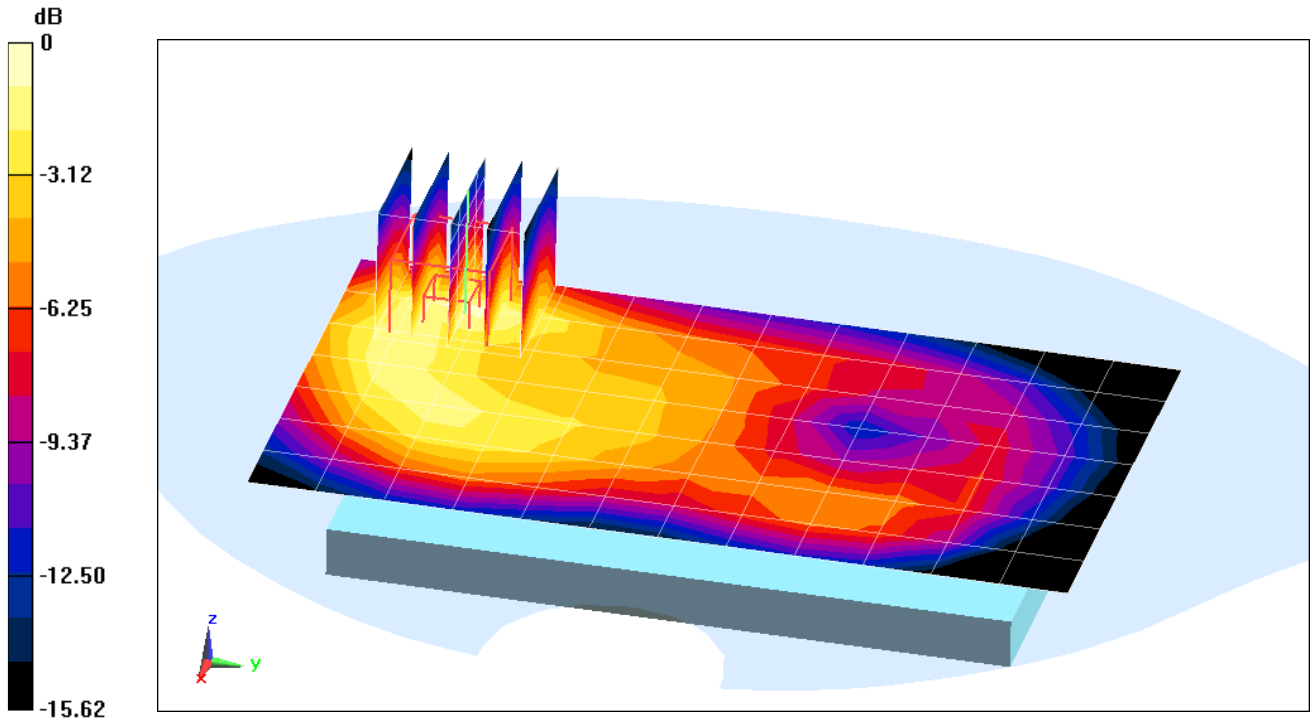
Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: 1900 Body; Medium parameters used:
f = 1880 MHz; σ = 1.507 mho/m; ε_r = 52.82; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-14-2012; Ambient Temp: 23.4°C; Tissue Temp: 23.2°C

Probe: EX3DV4 - SN3561; ConvF(6.51, 6.51, 6.51); Calibrated: 7/26/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn665; Calibrated: 4/19/2012
Phantom: SAM Sub Dasy B; Type: SAM 5.0; Serial: TP-1626
Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

Mode: PCS EVDO Rev. 0, Body SAR, Front side, Mid.ch

Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.979 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.103 mW/g
SAR(1 g) = 0.628 mW/g; SAR(10 g) = 0.349 mW/g



0 dB = 0.678 mW/g = -3.38 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32209

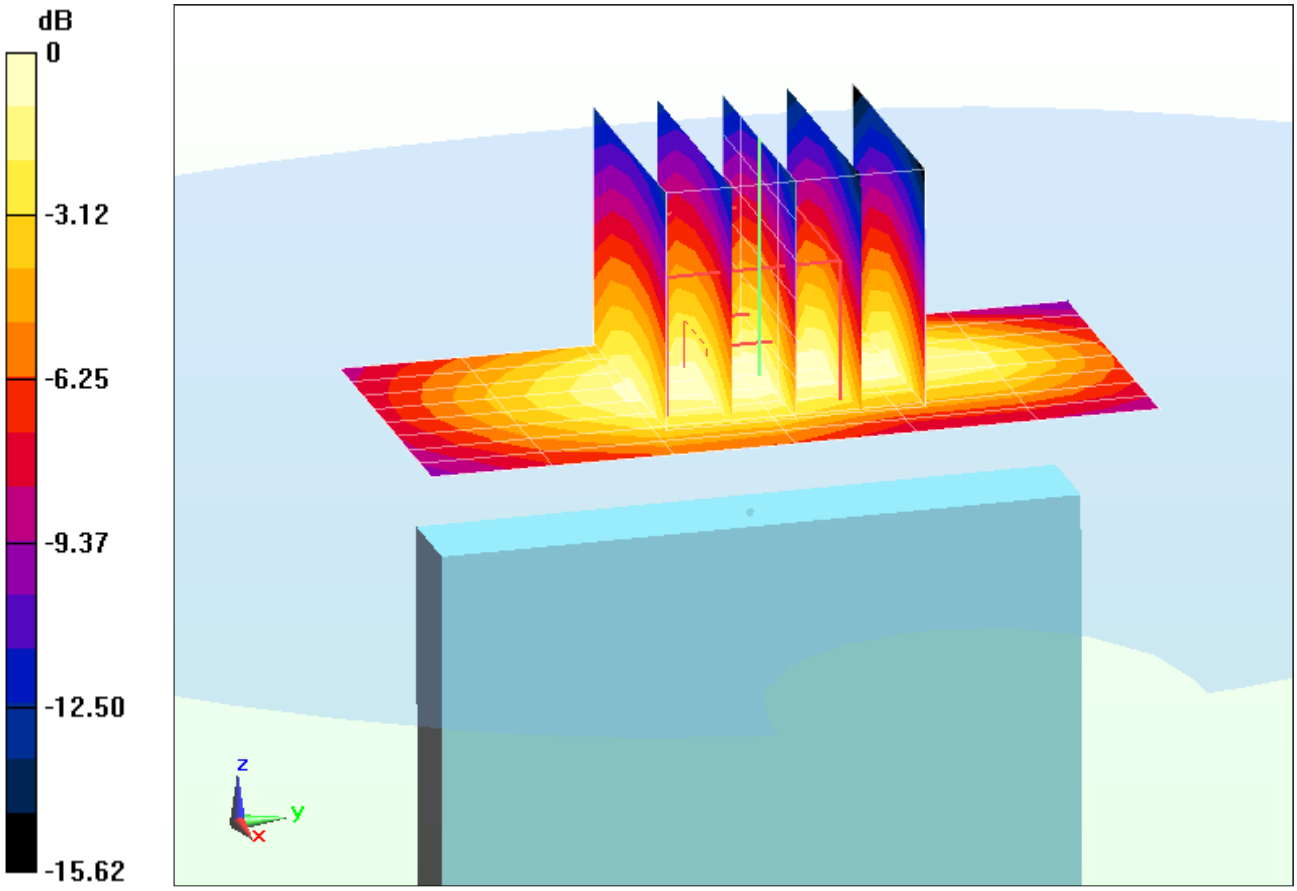
Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: 1900 Body; Medium parameters used:
f = 1880 MHz; σ = 1.507 mho/m; ε_r = 52.82; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-14-2012; Ambient Temp: 23.4°C; Tissue Temp: 23.2°C

Probe: EX3DV4 - SN3561; ConvF(6.51, 6.51, 6.51); Calibrated: 7/26/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn665; Calibrated: 4/19/2012
Phantom: SAM Sub Dasy B; Type: SAM 5.0; Serial: TP-1626
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: PCS EVDO Rev. 0, Body SAR, Bottom Edge, Mid.ch

Area Scan (9x7x1): Measurement grid: dx=5mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.536 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.945 mW/g
SAR(1 g) = 0.600 mW/g; SAR(10 g) = 0.367 mW/g



0 dB = 0.651 mW/g = -3.73 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 32209

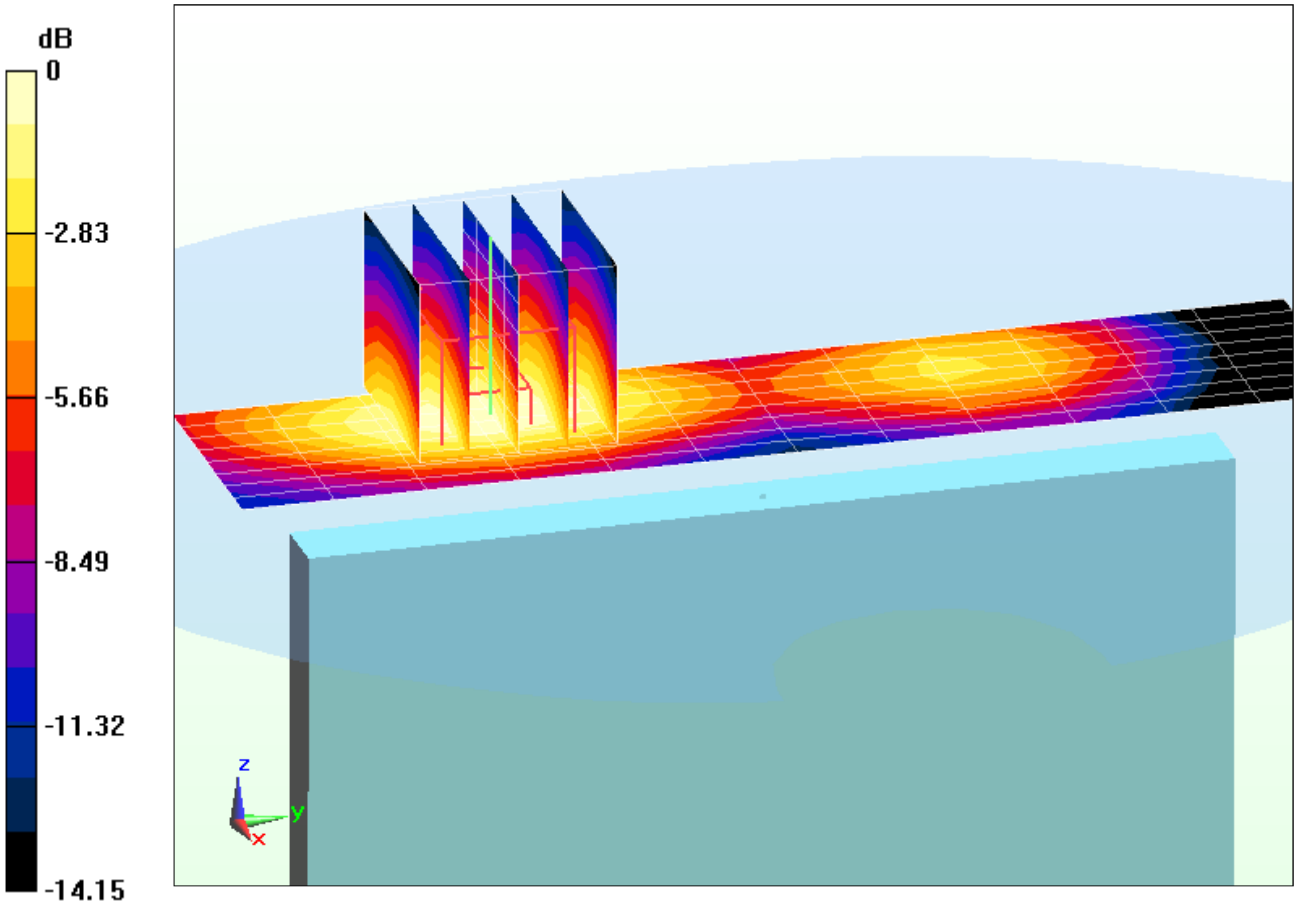
Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: 1900 Body; Medium parameters used:
f = 1880 MHz; σ = 1.507 mho/m; ε_r = 52.82; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-14-2012; Ambient Temp: 23.4°C; Tissue Temp: 23.2°C

Probe: EX3DV4 - SN3561; ConvF(6.51, 6.51, 6.51); Calibrated: 7/26/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn665; Calibrated: 4/19/2012
Phantom: SAM Sub Dasy B; Type: SAM 5.0; Serial: TP-1646
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: PCS EVDO Rev. 0, Body SAR, Left Edge, Mid.ch

Area Scan (9x13x1): Measurement grid: dx=5mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.663 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.755 mW/g
SAR(1 g) = 0.485 mW/g; SAR(10 g) = 0.298 mW/g



0 dB = 0.530 mW/g = -5.51 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 3238B

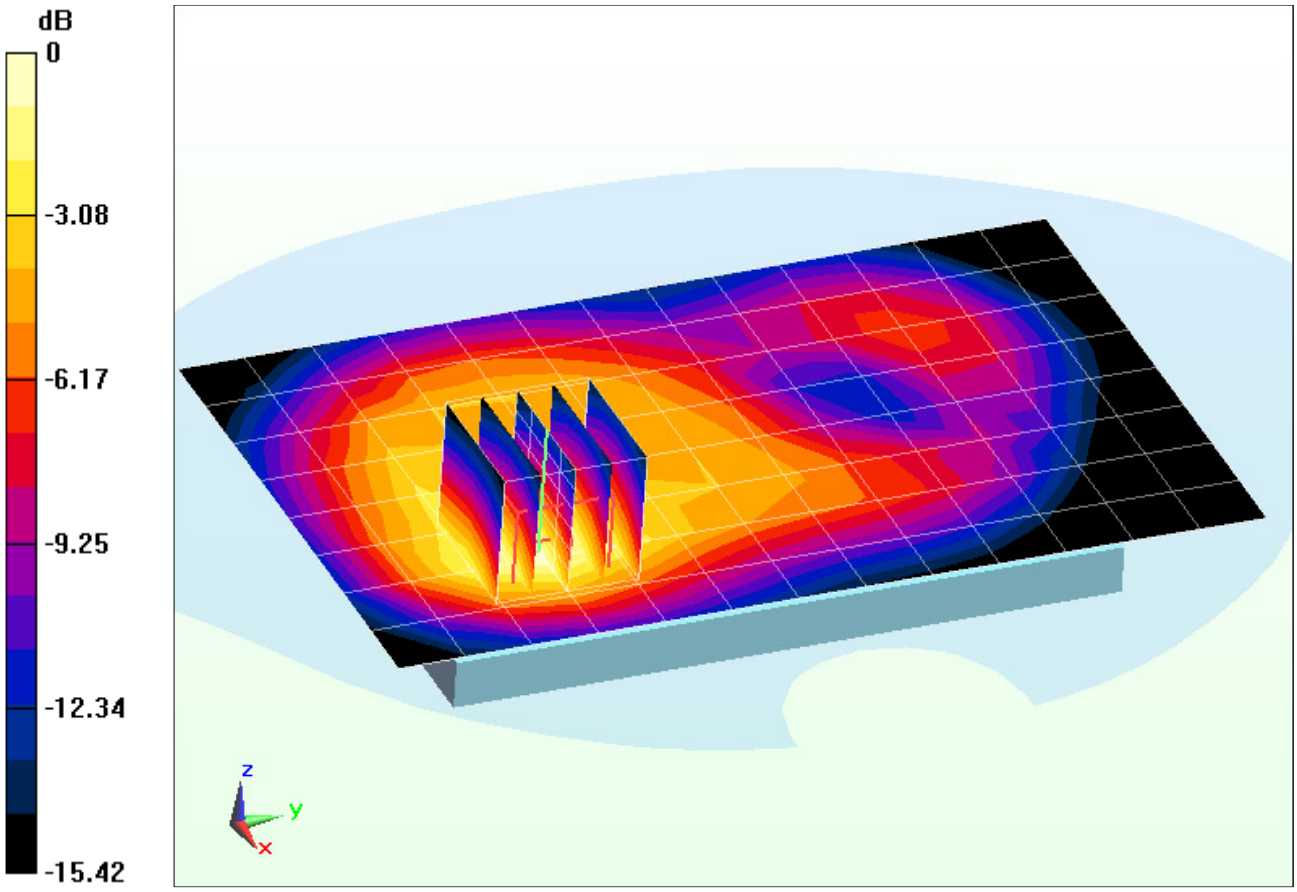
Communication System: GSM GPRS; 2 Tx slots; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium: 1900 Body; Medium parameters used:
f = 1880 MHz; σ = 1.467 mho/m; ε_r = 52.59; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-15-2012; Ambient Temp: 21.9°C; Tissue Temp: 22.1°C

Probe: ES3DV3 - SN3287; ConvF(4.76, 4.76, 4.76); Calibrated: 2/7/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 front; Type: QD000P40CD; Serial: TP-1646
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: GPRS 1900, Body SAR, Back side, Mid.ch, 2 Tx Slots

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.297 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.732 mW/g
SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.253 mW/g



0 dB = 0.494 mW/g = -6.13 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 3238B

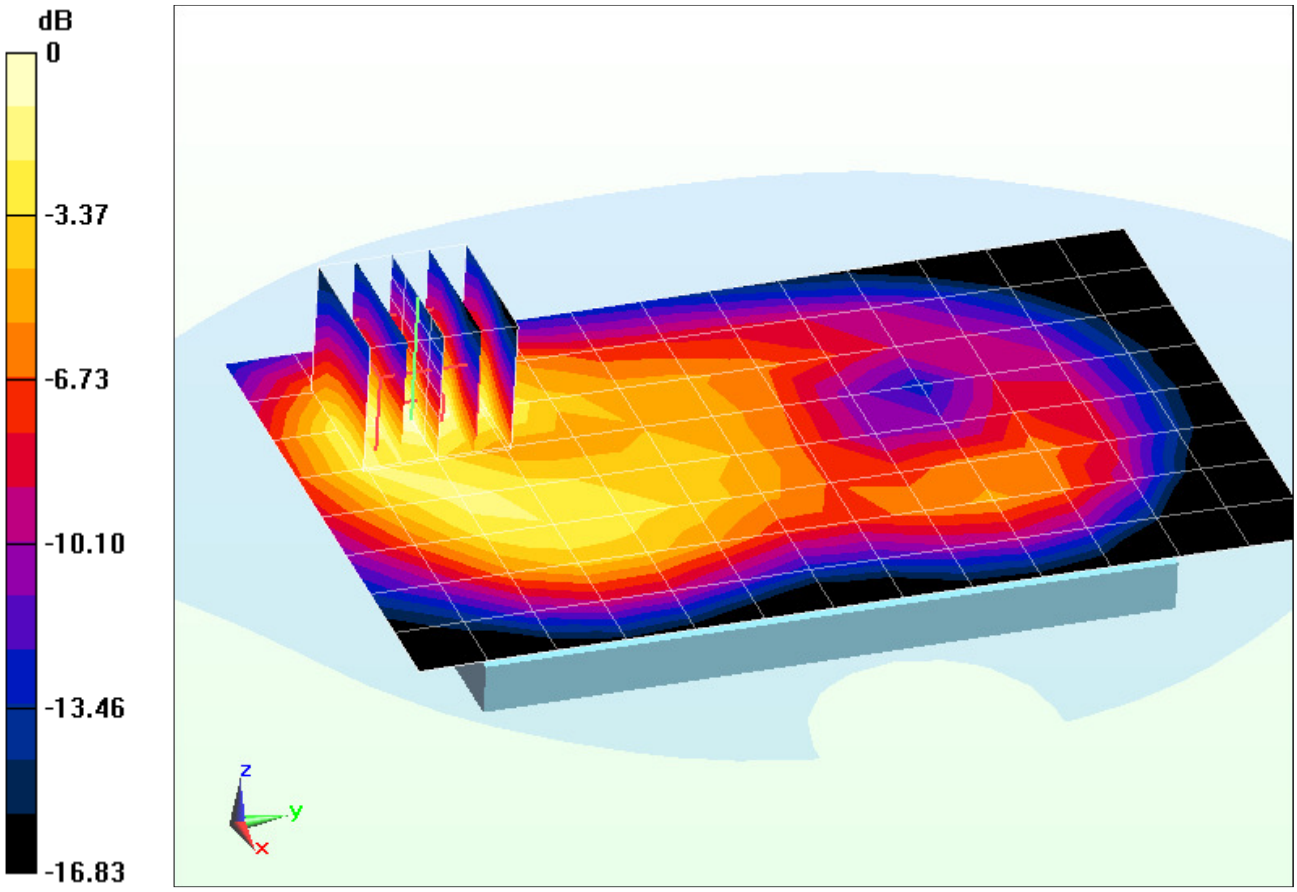
Communication System: GSM GPRS; 2 Tx slots; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium: 1900 Body; Medium parameters used:
f = 1880 MHz; σ = 1.467 mho/m; ε_r = 52.59; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-15-2012; Ambient Temp: 21.9°C; Tissue Temp: 22.1°C

Probe: ES3DV3 - SN3287; ConvF(4.76, 4.76, 4.76); Calibrated: 2/7/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 front; Type: QD000P40CD; Serial: TP-1646
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: GPRS 1900, Body SAR, Front side, Mid.ch, 2 Tx Slots

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.612 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.477 mW/g
SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.146 mW/g



0 dB = 0.294 mW/g = -10.63 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 3238B

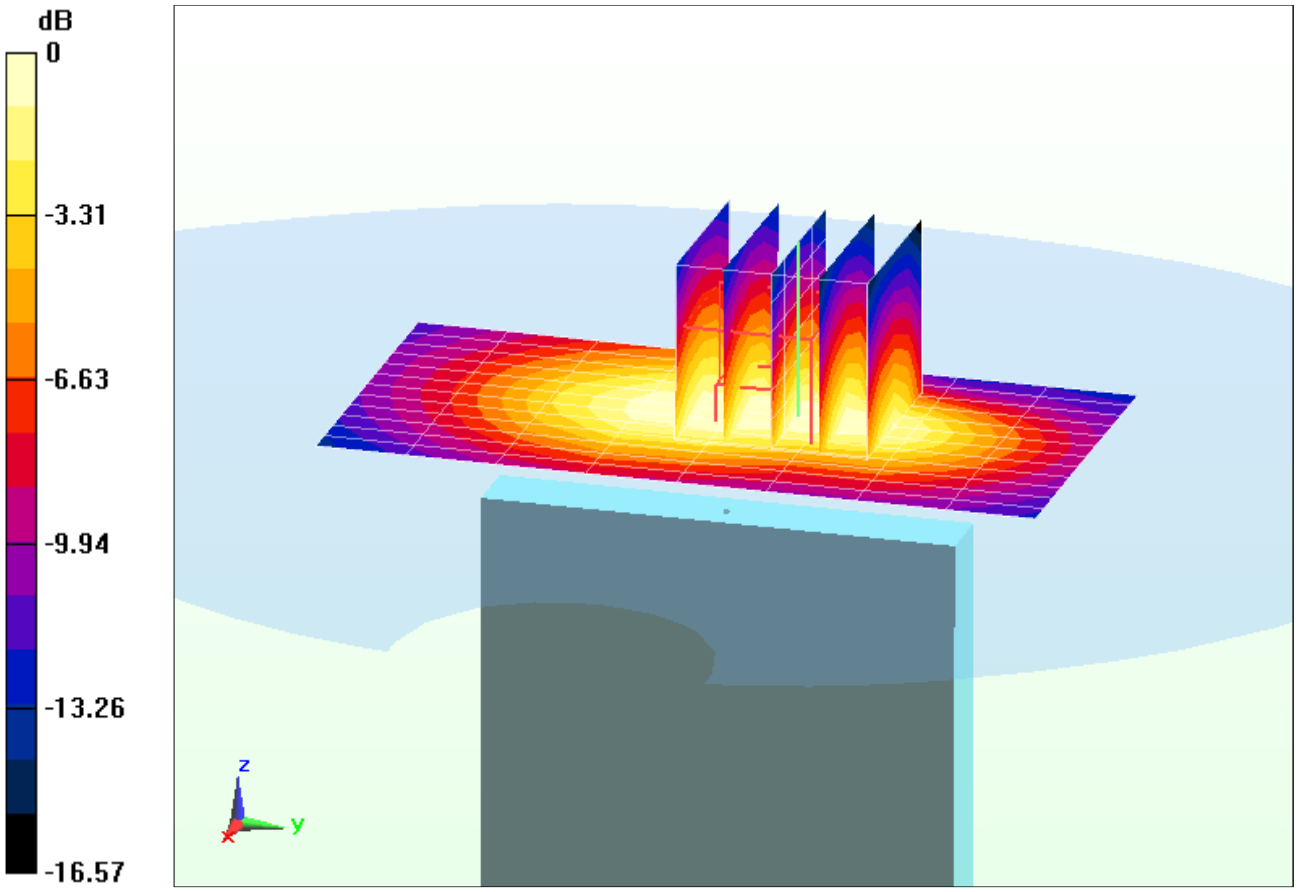
Communication System: GSM GPRS; 2 Tx slots; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium: 1900 Body; Medium parameters used:
f = 1880 MHz; σ = 1.467 mho/m; ε_r = 52.59; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-15-2012; Ambient Temp: 21.9°C; Tissue Temp: 22.1°C

Probe: ES3DV3 - SN3287; ConvF(4.76, 4.76, 4.76); Calibrated: 2/7/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 front; Type: QD000P40CD; Serial: TP-1646
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: GPRS 1900, Body SAR, Bottom Edge, Mid.ch, 2 Tx Slots

Area Scan (13x9x1): Measurement grid: dx=5mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.891 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.462 mW/g
SAR(1 g) = 0.278 mW/g; SAR(10 g) = 0.167 mW/g



0 dB = 0.303 mW/g = -10.37 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 3238B

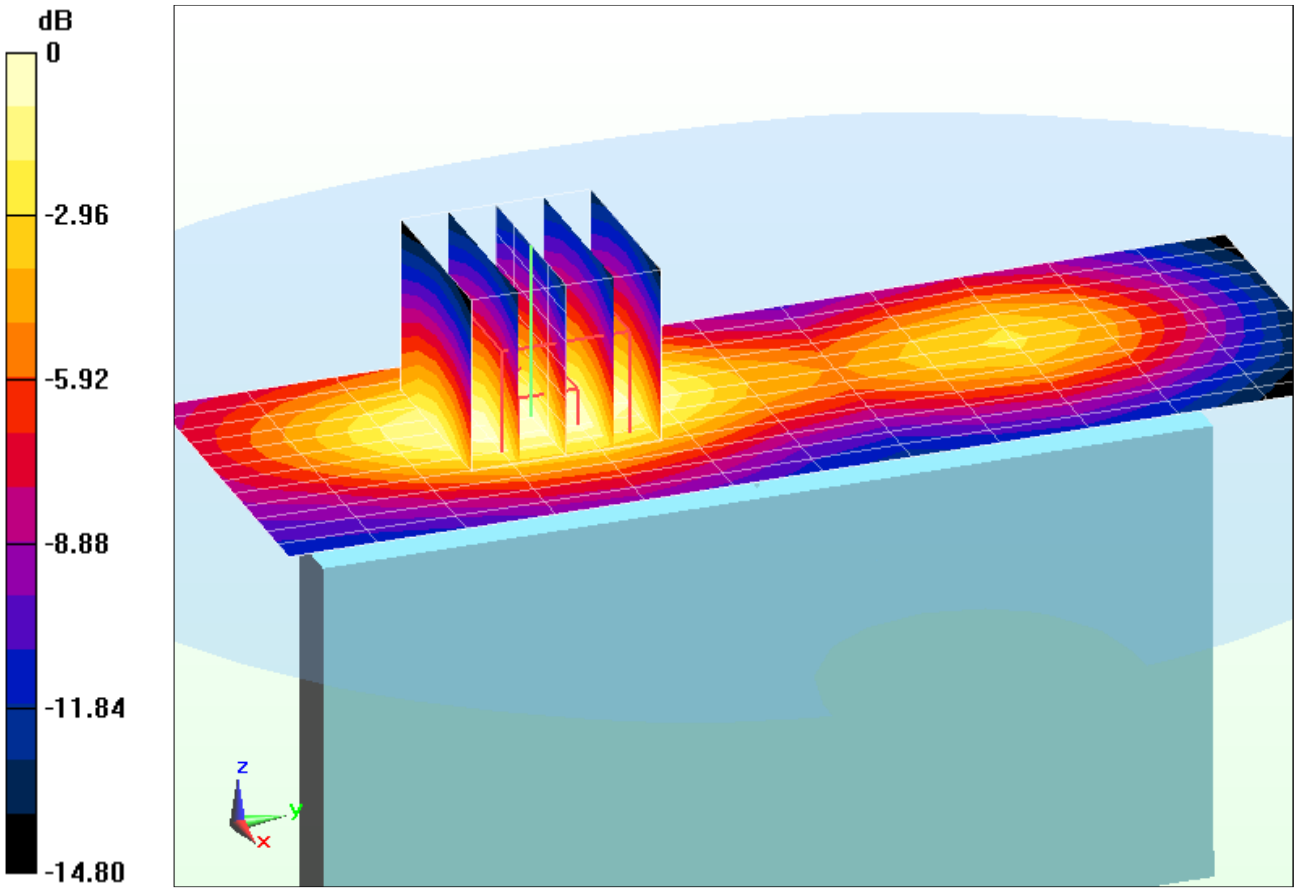
Communication System: GSM GPRS; 2 Tx slots; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium: 1900 Body; Medium parameters used:
f = 1880 MHz; σ = 1.467 mho/m; ε_r = 52.59; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-15-2012; Ambient Temp: 21.9°C; Tissue Temp: 22.1°C

Probe: ES3DV3 - SN3287; ConvF(4.76, 4.76, 4.76); Calibrated: 2/7/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 front; Type: QD000P40CD; Serial: TP-1646
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: GPRS 1900, Body SAR, Left Edge, Mid.ch, 2 Tx Slots

Area Scan (13x13x1): Measurement grid: dx=5mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.203 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.302 mW/g
SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.116 mW/g



0 dB = 0.210 mW/g = -13.56 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 323C2

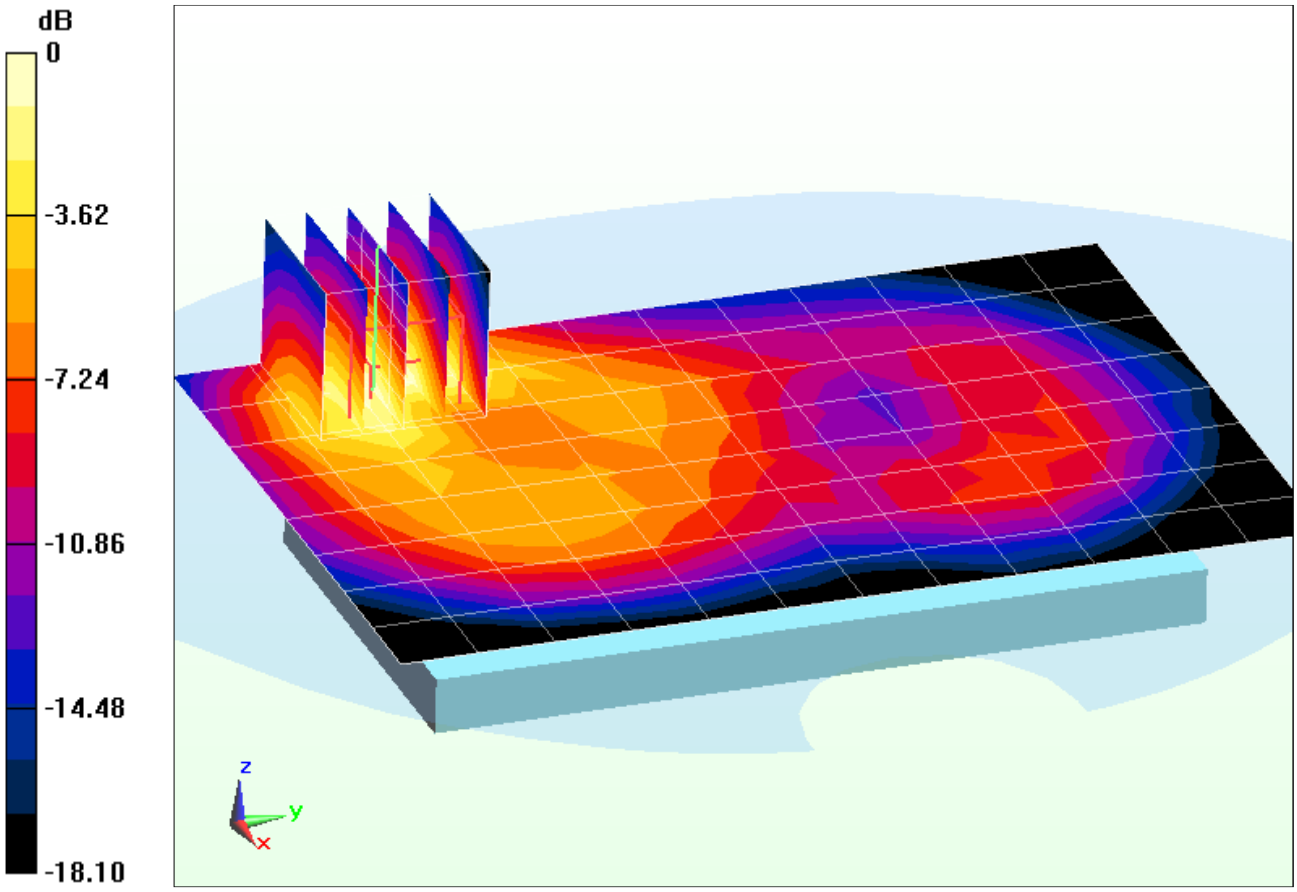
Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: 1900 Body; Medium parameters used:
f = 1880 MHz; σ = 1.467 mho/m; ε_r = 52.59; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-15-2012; Ambient Temp: 21.9°C; Tissue Temp: 22.1°C

Probe: ES3DV3 - SN3287; ConvF(4.76, 4.76, 4.76); Calibrated: 2/7/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 front; Type: QD000P40CD; Serial: TP-1646
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: WCDMA 1900, Body SAR, Back side, Mid.ch

Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.480 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.255 mW/g
SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.081 mW/g



0 dB = 0.164 mW/g = -15.70 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 323C2

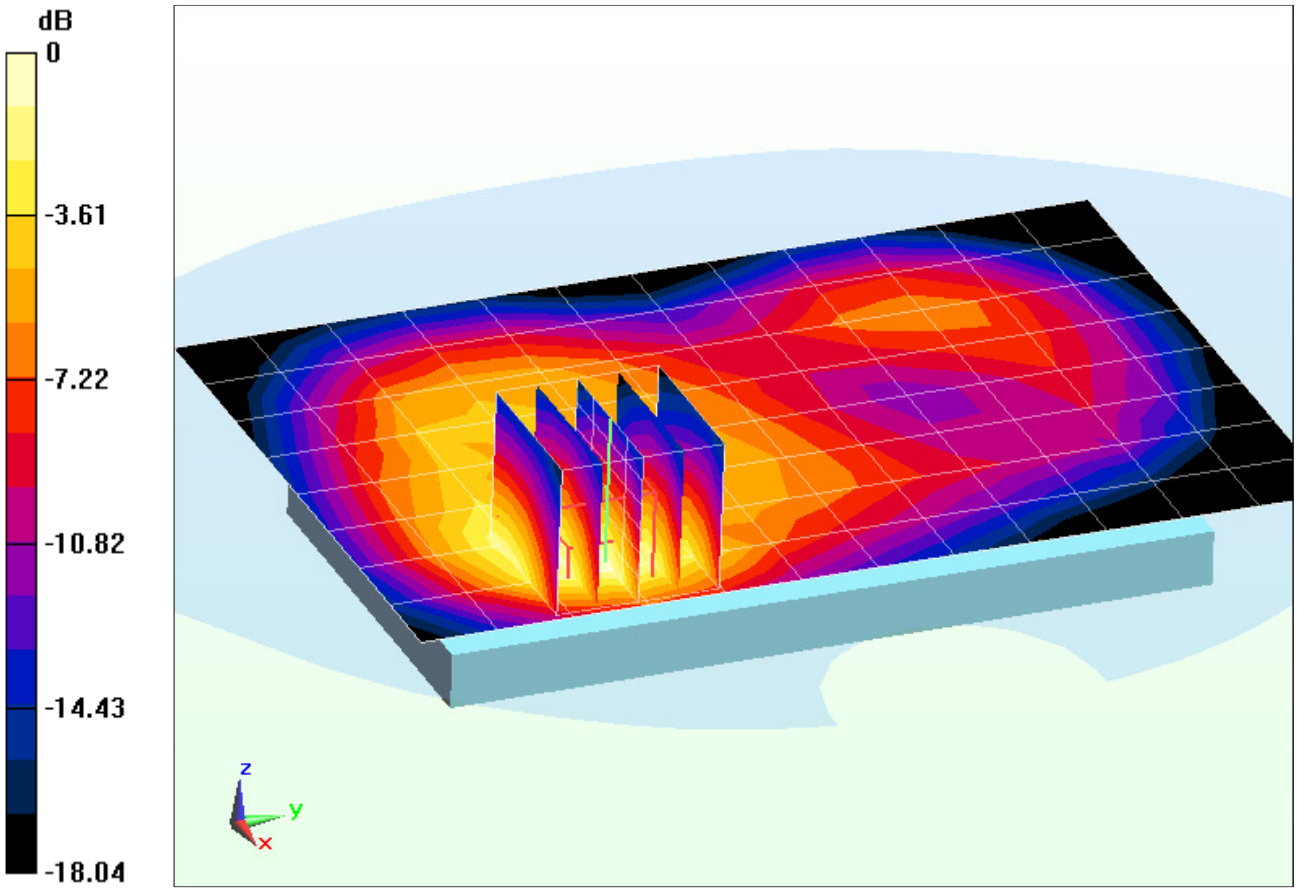
Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: 1900 Body; Medium parameters used:
f = 1880 MHz; σ = 1.467 mho/m; ε_r = 52.59; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-15-2012; Ambient Temp: 21.9°C; Tissue Temp: 22.1°C

Probe: ES3DV3 - SN3287; ConvF(4.76, 4.76, 4.76); Calibrated: 2/7/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 front; Type: QD000P40CD; Serial: TP-1646
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: WCDMA 1900, Body SAR, Front side, Mid.ch

Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.293 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.263 mW/g
SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.078 mW/g



0 dB = 0.165 mW/g = -15.65 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 323C2

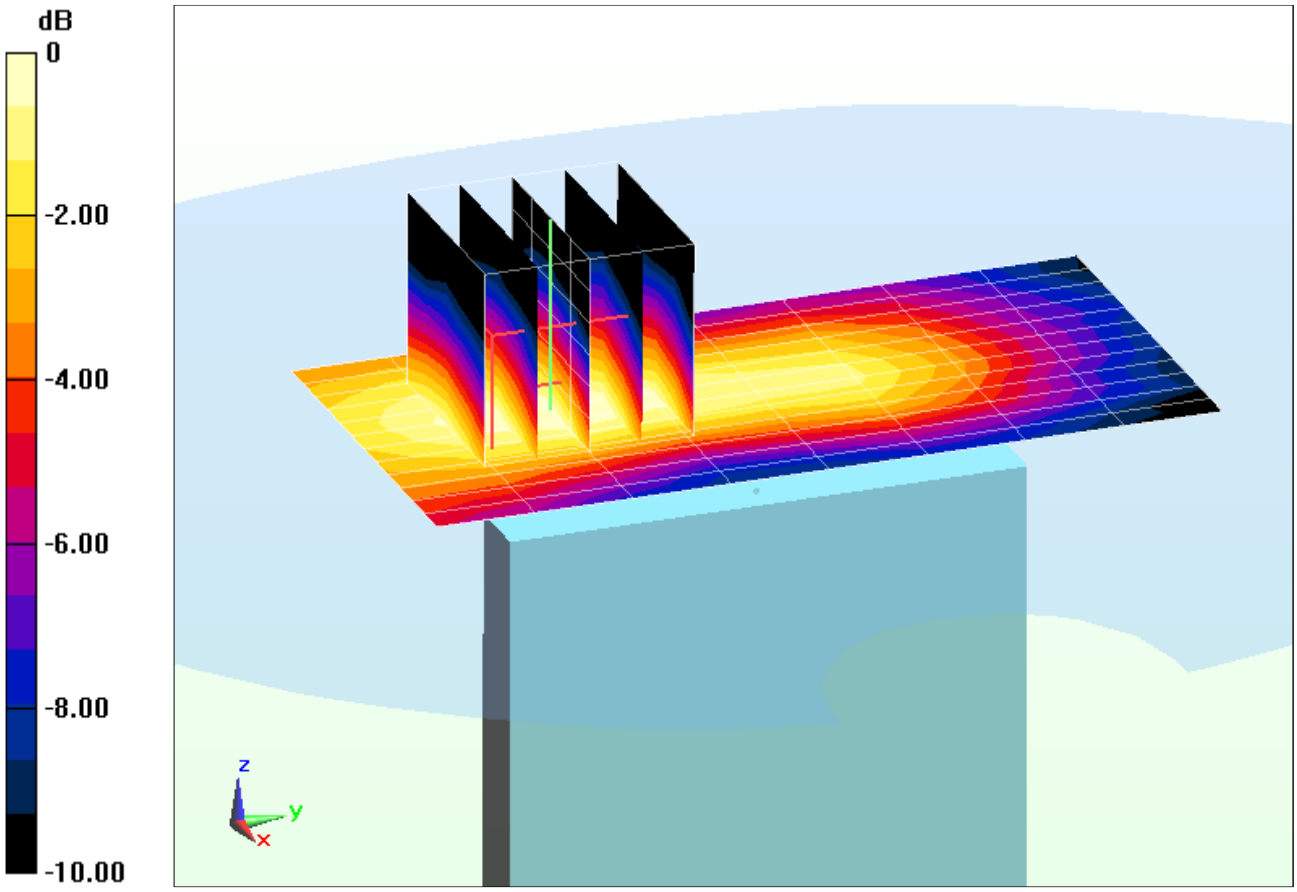
Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: 1900 Body; Medium parameters used:
f = 1880 MHz; σ = 1.467 mho/m; ε_r = 52.59; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-15-2012; Ambient Temp: 21.9°C; Tissue Temp: 22.1°C

Probe: ES3DV3 - SN3287; ConvF(4.76, 4.76, 4.76); Calibrated: 2/7/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 front; Type: QD000P40CD; Serial: TP-1646
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: WCDMA 1900, Body SAR, Bottom Edge, Mid.ch

Area Scan (13x9x1): Measurement grid: dx=5mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.764 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.047 mW/g
SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.018 mW/g



0 dB = 0.0317 mW/g = -29.98 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 323C2

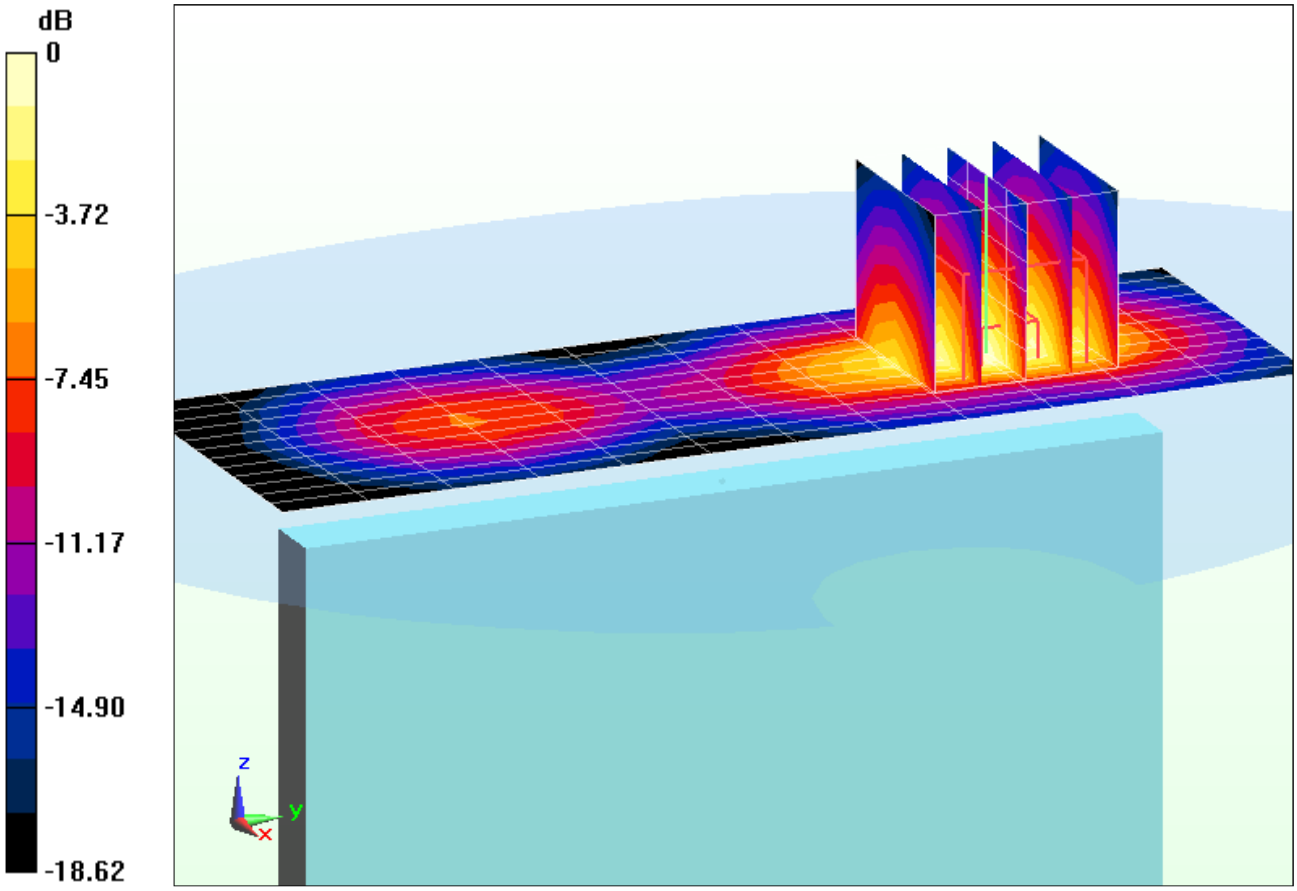
Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: 1900 Body; Medium parameters used:
f = 1880 MHz; σ = 1.479 mho/m; ε_r = 54.85; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-21-2012; Ambient Temp: 24.6°C; Tissue Temp: 23.2°C

Probe: ES3DV3 - SN3288; ConvF(5.02, 5.02, 5.02); Calibrated: 2/7/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1333; Calibrated: 4/12/2012
Phantom: SAM 5.0 front; Type: QD000P40CD; Serial: TP:-1648
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: WCDMA 1900, Body SAR, Right Edge, Mid.ch

Area Scan (13x13x1): Measurement grid: dx=5mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.352 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.739 mW/g
SAR(1 g) = 0.412 mW/g; SAR(10 g) = 0.205 mW/g



0 dB = 0.483 mW/g = -6.32 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 15

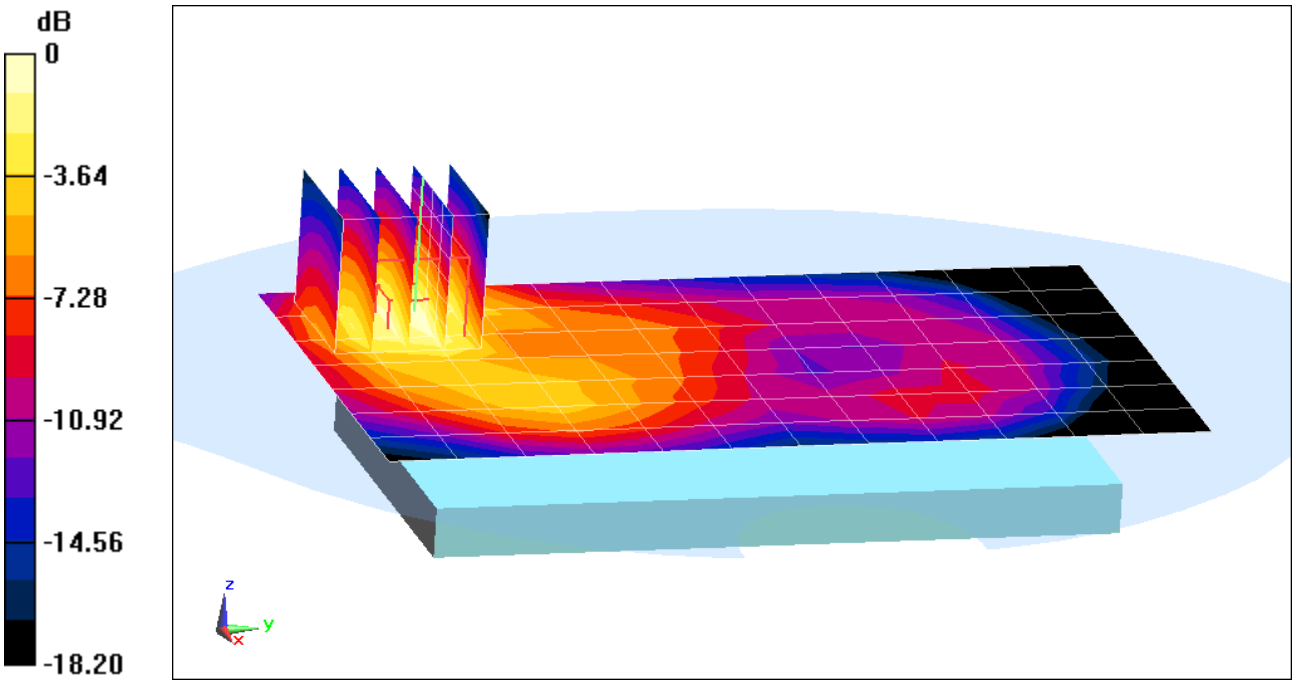
Communication System: LTE Band 25 (PCS); Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used (interpolated):
f = 1882.5 MHz; σ = 1.526 mho/m; ε_r = 53.508; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 09-06-2012; Ambient Temp: 22.6°C; Tissue Temp: 21.8°C

Probe: ES3DV3 - SN3288; ConvF(5.02, 5.02, 5.02); Calibrated: 2/7/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1333; Calibrated: 4/12/2012
Phantom: SAM 5.0 front; Type: QD000P40CD; Serial: TP:-1648
Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Mode: LTE Band 25 (PCS), Body SAR, Back side, Mid ch
5 MHz Bandwidth, QPSK, 1 RB, RB Offset 24

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.418 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.8350 W/kg
SAR(1 g) = 0.480 mW/g; SAR(10 g) = 0.261 mW/g



0 dB = 0.500mW/g = -6.02 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 3220A

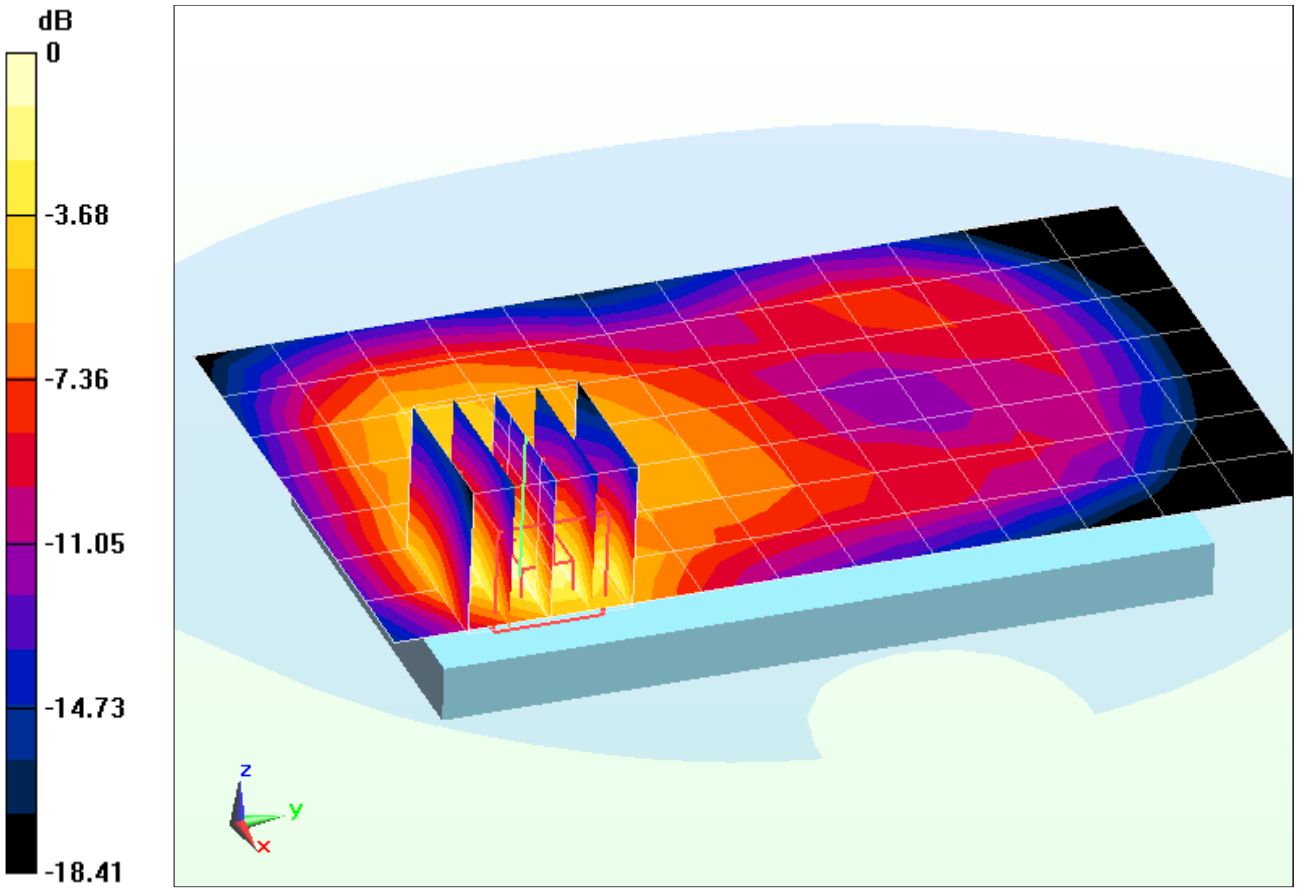
Communication System: LTE Band 25 (PCS); Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: 1900 Body; Medium parameters used (interpolated):
f = 1882.5 MHz; σ = 1.472 mho/m; ε_r = 52.578; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-15-2012; Ambient Temp: 21.9°C; Tissue Temp: 22.1°C

Probe: ES3DV3 - SN3287; ConvF(4.76, 4.76, 4.76); Calibrated: 2/7/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 front; Type: QD000P40CD; Serial: TP-1646
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: LTE Band 25 (PCS), Body SAR, Front side, Mid.ch,
5 MHz Bandwidth, QPSK, 1 RB, RB Offset 0

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.515 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.534 mW/g
SAR(1 g) = 0.297 mW/g; SAR(10 g) = 0.157 mW/g



0 dB = 0.329 mW/g = -9.66 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 3220A

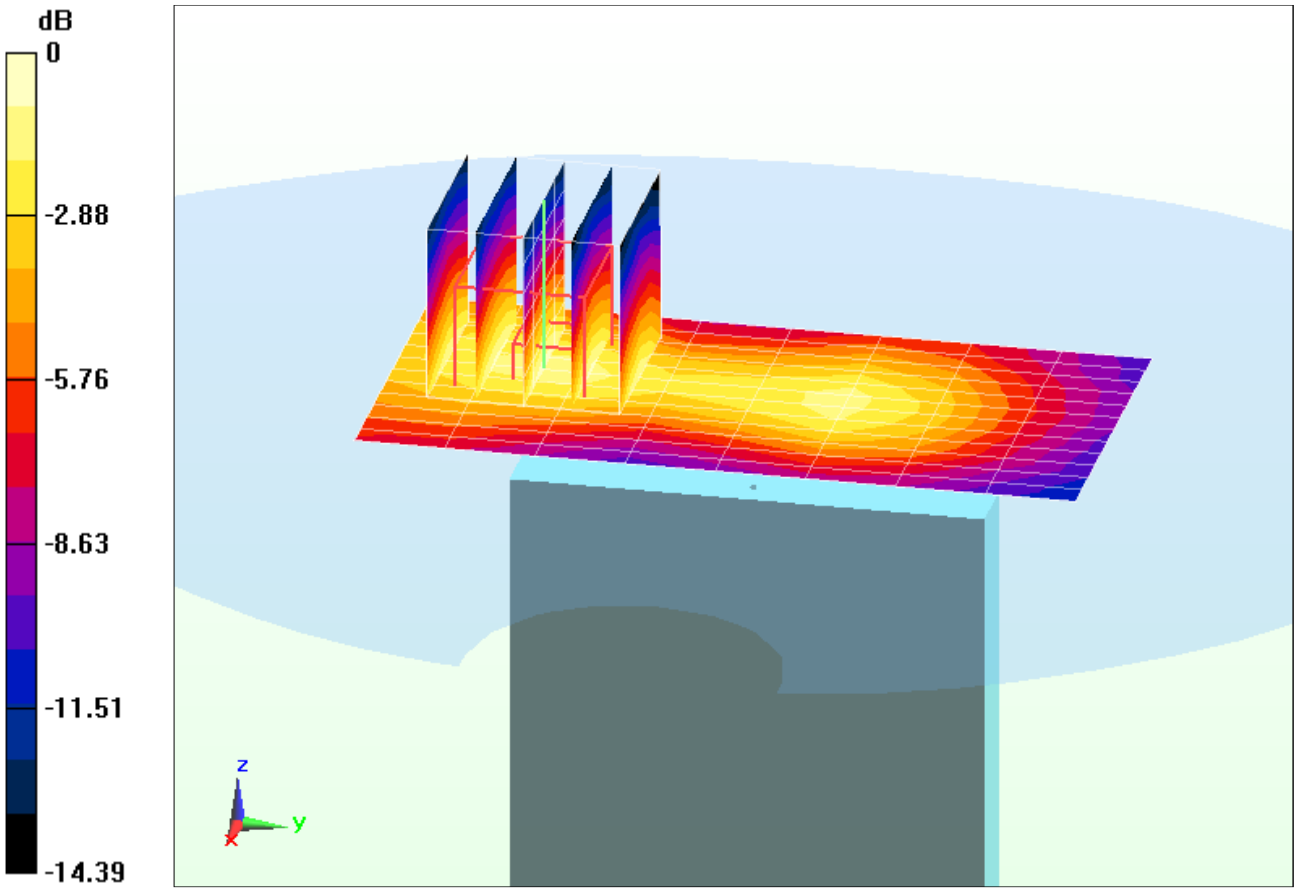
Communication System: LTE Band 25 (PCS); Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium: 1900 Body; Medium parameters used (interpolated):
f = 1882.5 MHz; σ = 1.472 mho/m; ε_r = 52.578; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-15-2012; Ambient Temp: 21.9°C; Tissue Temp: 22.1°C

Probe: ES3DV3 - SN3287; ConvF(4.76, 4.76, 4.76); Calibrated: 2/7/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 front; Type: QD000P40CD; Serial: TP-1646
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: LTE Band 25 (PCS), Body SAR, Bottom Edge, Mid.ch,
5 MHz Bandwidth, QPSK, 1 RB, RB Offset 0

Area Scan (13x9x1): Measurement grid: dx=5mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.032 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.118 mW/g
SAR(1 g) = 0.071 mW/g; SAR(10 g) = 0.044 mW/g



0 dB = 0.0783 mW/g = -22.12 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 3220A

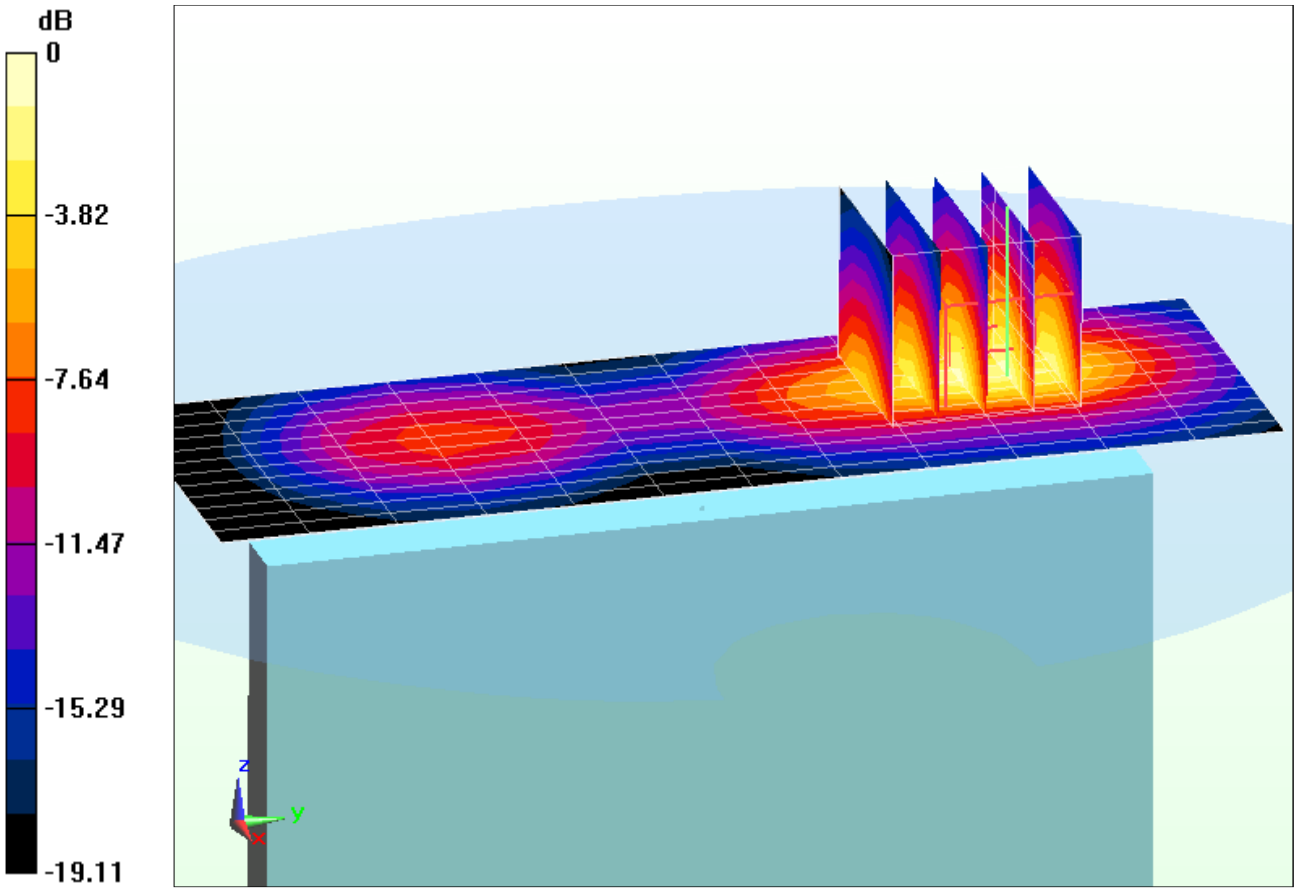
Communication System: LTE Band 25 (PCS); Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium: 1900 Body; Medium parameters used (interpolated):
f = 1882.5 MHz; σ = 1.472 mho/m; ε_r = 52.578; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-15-2012; Ambient Temp: 21.9°C; Tissue Temp: 22.1°C

Probe: ES3DV3 - SN3287; ConvF(4.76, 4.76, 4.76); Calibrated: 2/7/2012;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 front; Type: QD000P40CD; Serial: TP-1646
Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.5 (6469)

Mode: LTE Band 25 (PCS), Body SAR, Right Edge, Mid.ch,
5 MHz Bandwidth, QPSK, 1 RB, RB Offset 0

Area Scan (13x13x1): Measurement grid: dx=5mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.669 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.417 mW/g
SAR(1 g) = 0.792 mW/g; SAR(10 g) = 0.397 mW/g



0 dB = 0.900 mW/g = -0.92 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 321C4

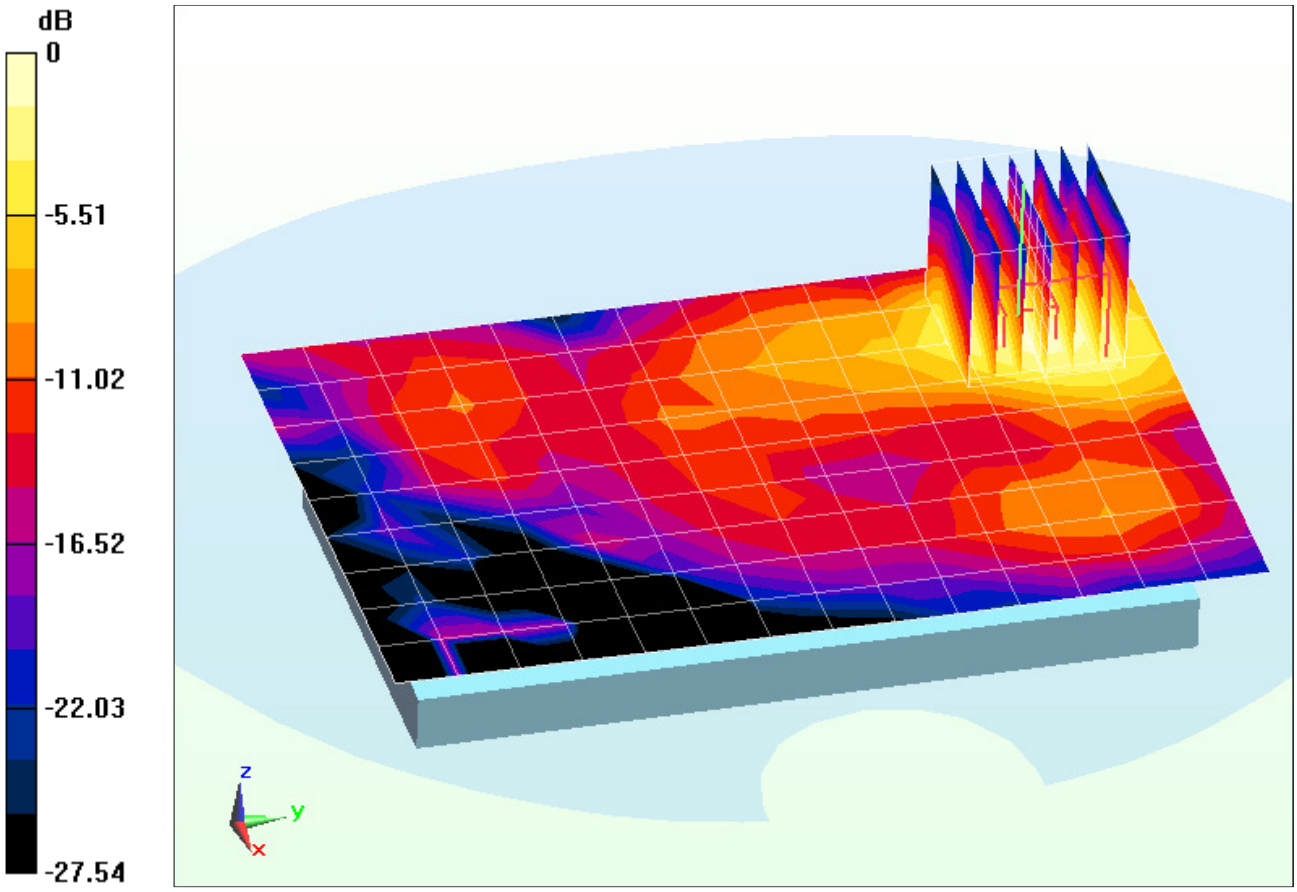
Communication System: IEEE 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: 2450 Body; Medium parameters used (interpolated):
f = 2462 MHz; σ = 1.99 mho/m; ε_r = 51.029; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-20-2012; Ambient Temp: 23.5°C; Tissue Temp: 23.2°C

Probe: ES3DV3 - SN3209; ConvF(4.23, 4.23, 4.23); Calibrated: 3/16/2012;
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1323; Calibrated: 2/15/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: IEEE 802.11b, Body SAR, Ch 11, 1 Mbps, Back Side

Area Scan (10x15x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.538 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.288 mW/g
SAR(1 g) = 0.135 mW/g; SAR(10 g) = 0.065 mW/g



0 dB = 0.171 mW/g = -15.34 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 321C4

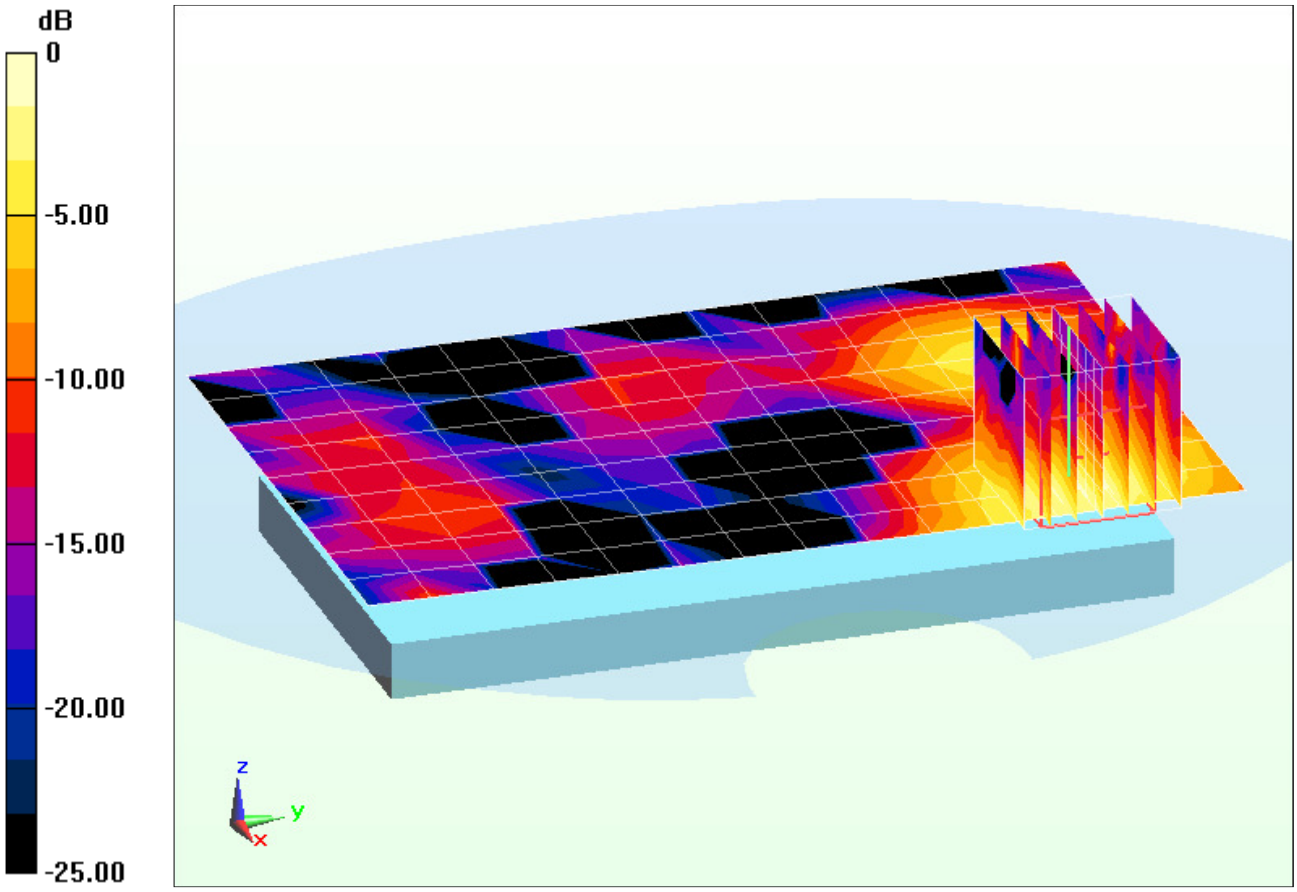
Communication System: IEEE 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: 2450 Body; Medium parameters used (interpolated):
f = 2462 MHz; σ = 1.99 mho/m; ε_r = 51.029; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-20-2012; Ambient Temp: 23.5°C; Tissue Temp: 23.2°C

Probe: ES3DV3 - SN3209; ConvF(4.23, 4.23, 4.23); Calibrated: 3/16/2012;
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1323; Calibrated: 2/15/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: IEEE 802.11b, Body SAR, Ch 11, 1 Mbps, Front Side

Area Scan (10x15x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.818 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.063 mW/g
SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00756 mW/g



0 dB = 0.0225 mW/g = -32.96 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 321C4

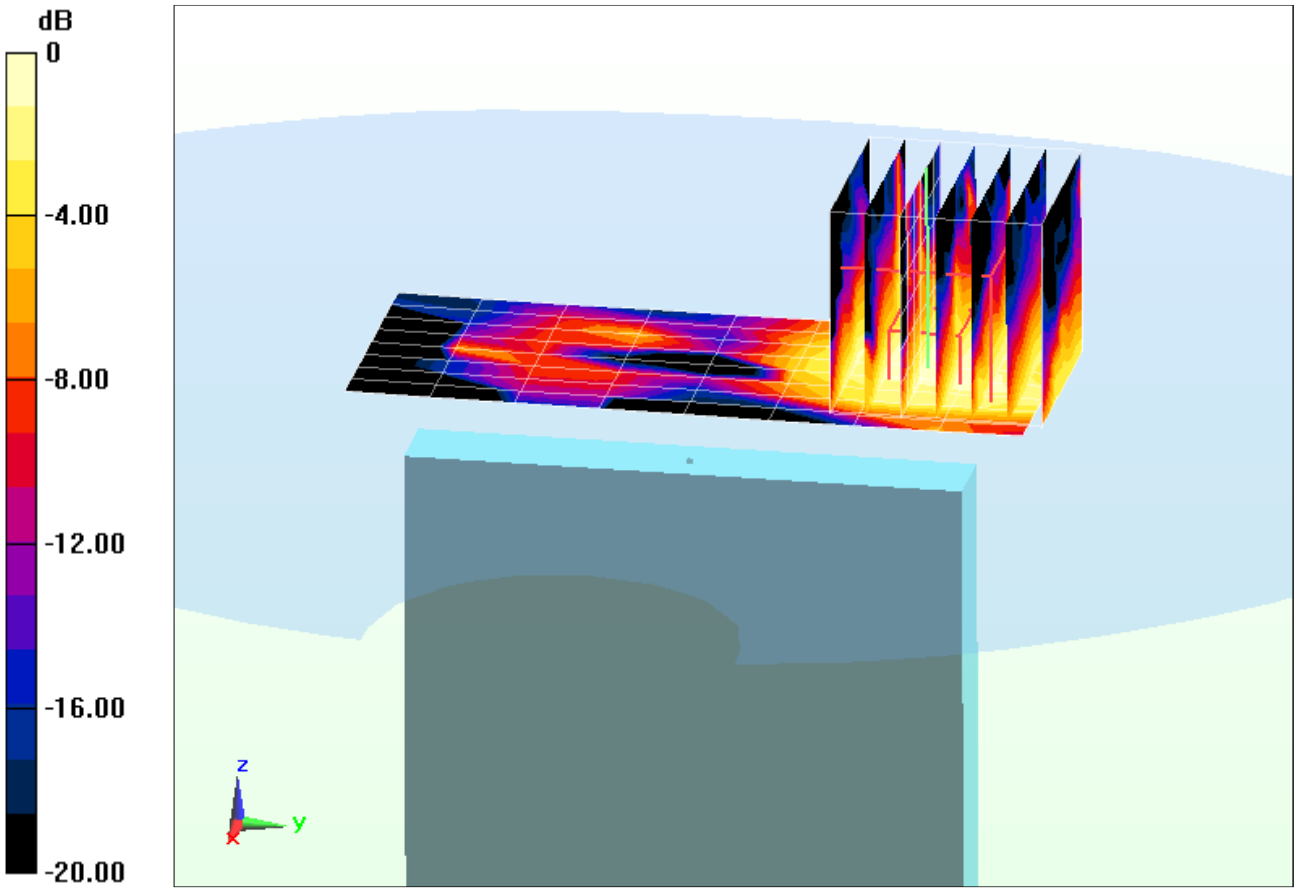
Communication System: IEEE 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: 2450 Body; Medium parameters used (interpolated):
f = 2462 MHz; σ = 1.99 mho/m; ε_r = 51.029; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-20-2012; Ambient Temp: 23.5°C; Tissue Temp: 23.2°C

Probe: ES3DV3 - SN3209; ConvF(4.23, 4.23, 4.23); Calibrated: 3/16/2012;
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1323; Calibrated: 2/15/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: IEEE 802.11b, Body SAR, Ch 11, 1 Mbps, Top Edge

Area Scan (9x9x1): Measurement grid: dx=5mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.953 V/m; Power Drift = 0.051 dB
Peak SAR (extrapolated) = 0.380 mW/g
SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.0863 mW/g



0 dB = 0.0234 mW/g = -32.62 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 21

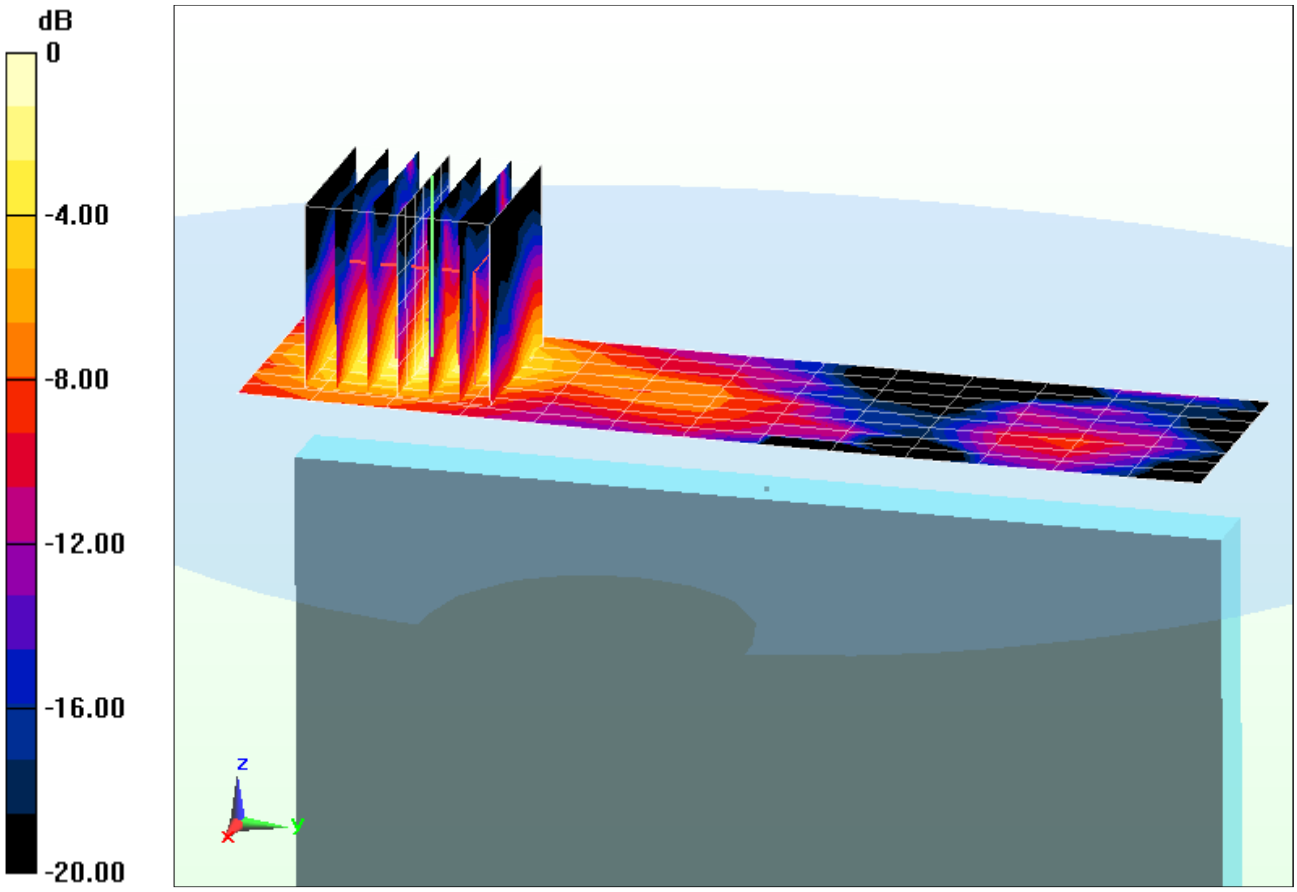
Communication System: IEEE 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: 2450 Body; Medium parameters used (interpolated):
f = 2462 MHz; σ = 1.99 mho/m; ε_r = 51.029; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-20-2012; Ambient Temp: 23.5°C; Tissue Temp: 23.2°C

Probe: ES3DV3 - SN3209; ConvF(4.23, 4.23, 4.23); Calibrated: 3/16/2012;
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1323; Calibrated: 2/15/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.5 (6469)

Mode: IEEE 802.11b, Body SAR, Ch 11, 1 Mbps, Right Edge

Area Scan (9x14x1): Measurement grid: dx=5mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.081 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.138 mW/g
SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.026 mW/g



0 dB = 0.0791 mW/g = -22.04 dB mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: A3LSPHL900; Type: Portable Handset; Serial: 21

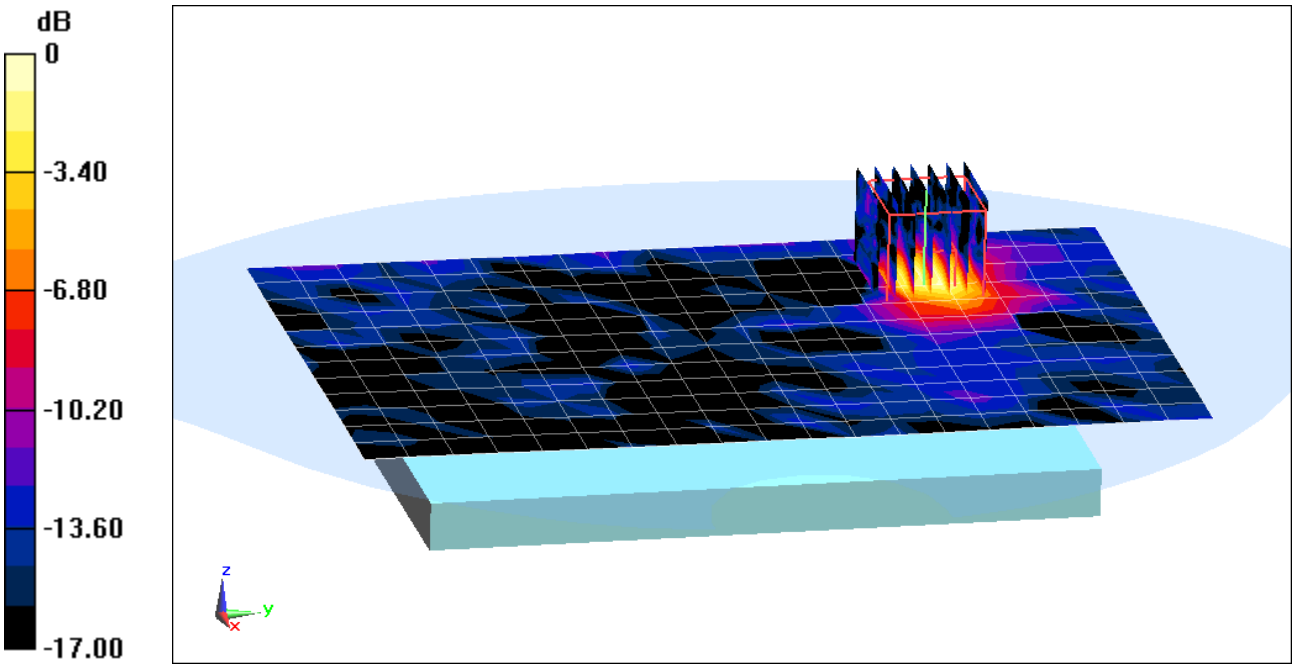
Communication System: IEEE 802.11a 5.2-5.8 GHz Band; Frequency: 5280 MHz;Duty Cycle: 1:1
Medium: 5GHz Body Medium parameters used:
f = 5280 MHz; σ = 5.393 mho/m; ε_r = 47.6; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 09-10-2012; Ambient Temp: 24.8°C; Tissue Temp: 23.8°C

Probe: EX3DV4 - SN3589; ConvF(3.72, 3.72, 3.72); Calibrated: 1/27/2012
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1272; Calibrated: 1/18/2012
Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1114
Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

Mode: IEEE 802.11a, 5.3 GHz, Body SAR, Ch 56, 6 Mbps, Back Side

Area Scan (13x20x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 5.281 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.4960 W/kg
SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.039 mW/g



0 dB = 0.280mW/g = -11.06 dB mW/g