# APPENDIX A: SAR TEST DATA

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

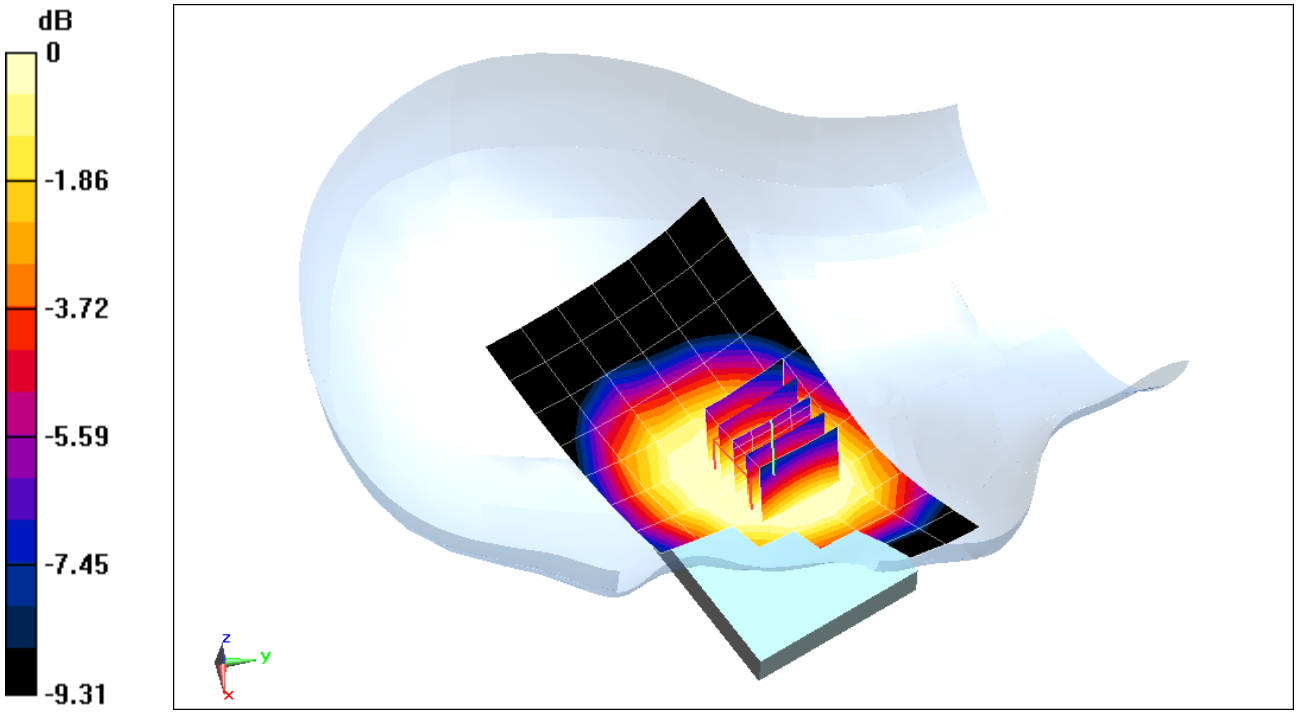
Communication System: CDMA; Frequency: 820.1 MHz; Duty Cycle: 1:1
Medium: 835 Head Medium parameters used (interpolated):
$f = 820.1$ MHz; $\sigma = 0.896$ mho/m; $\varepsilon_r = 40.829$; $\rho = 1000$ kg/m$^3$
Phantom section: Right Section

Test Date: 04-23-2012; Ambient Temp: 21.7°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3561; ConvF(8.07, 8.07, 8.07); Calibrated: 7/27/2011
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 Left; Type: QD000P40CD; Serial: TP: 1687
Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: Cell. CDMA - FCC Rule Part 90S, Right Head, Touch, 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 = 23.931 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.6080
**SAR(1 g) = 0.488 mW/g; SAR(10 g) = 0.374 mW/g**




0 dB = 0.510mW/g = -5.85 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

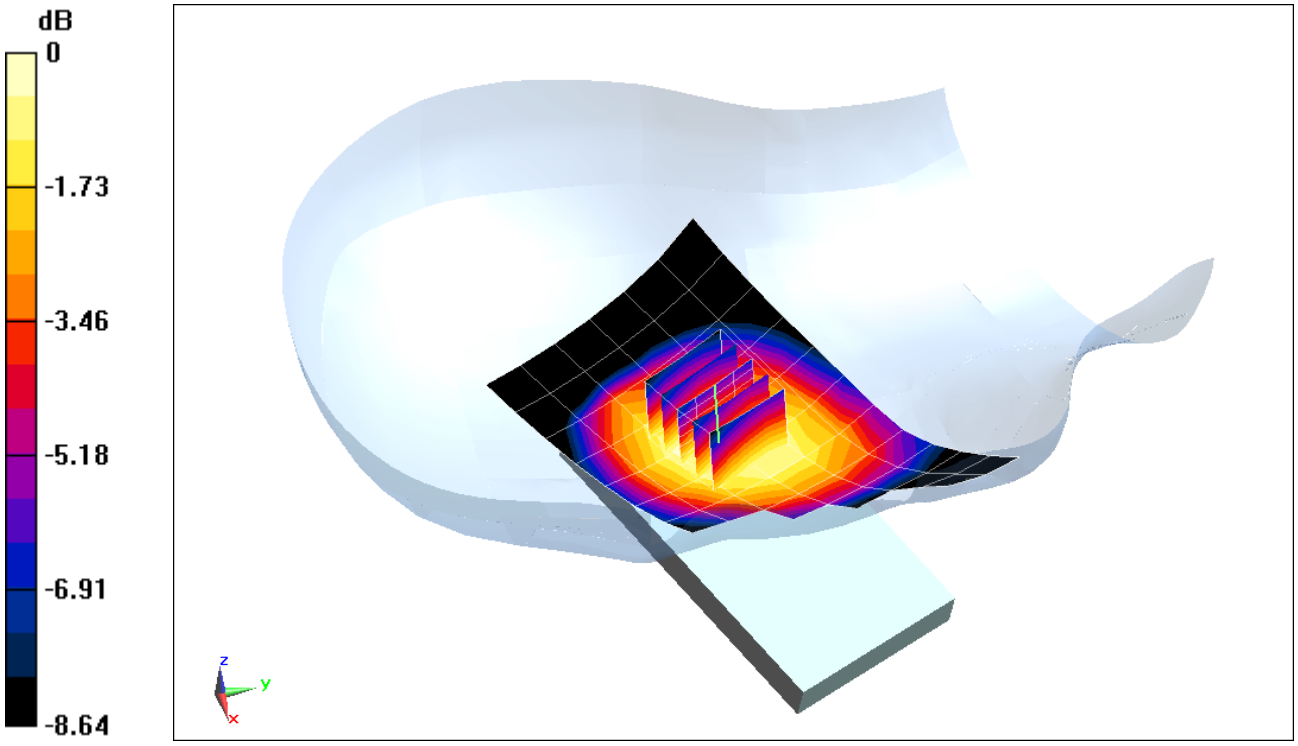
Communication System: CDMA; Frequency: 820.1 MHz; Duty Cycle: 1:1
Medium: 835 Head Medium parameters used (interpolated):
$f = 820.1$ MHz; $\sigma = 0.896$ mho/m; $\varepsilon_r = 40.829$; $\rho = 1000$ kg/m$^3$
Phantom section: Right Section

Test Date: 04-23-2012; Ambient Temp: 21.7°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3561; ConvF(8.07, 8.07, 8.07); Calibrated: 7/27/2011
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 Left; Type: QD000P40CD; Serial: TP: 1687
Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: Cell. CDMA - FCC Rule Part 90S, 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 = 18.845 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.3860
**SAR(1 g) = 0.313 mW/g; SAR(10 g) = 0.241 mW/g**




0 dB = 0.330mW/g = -9.63 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

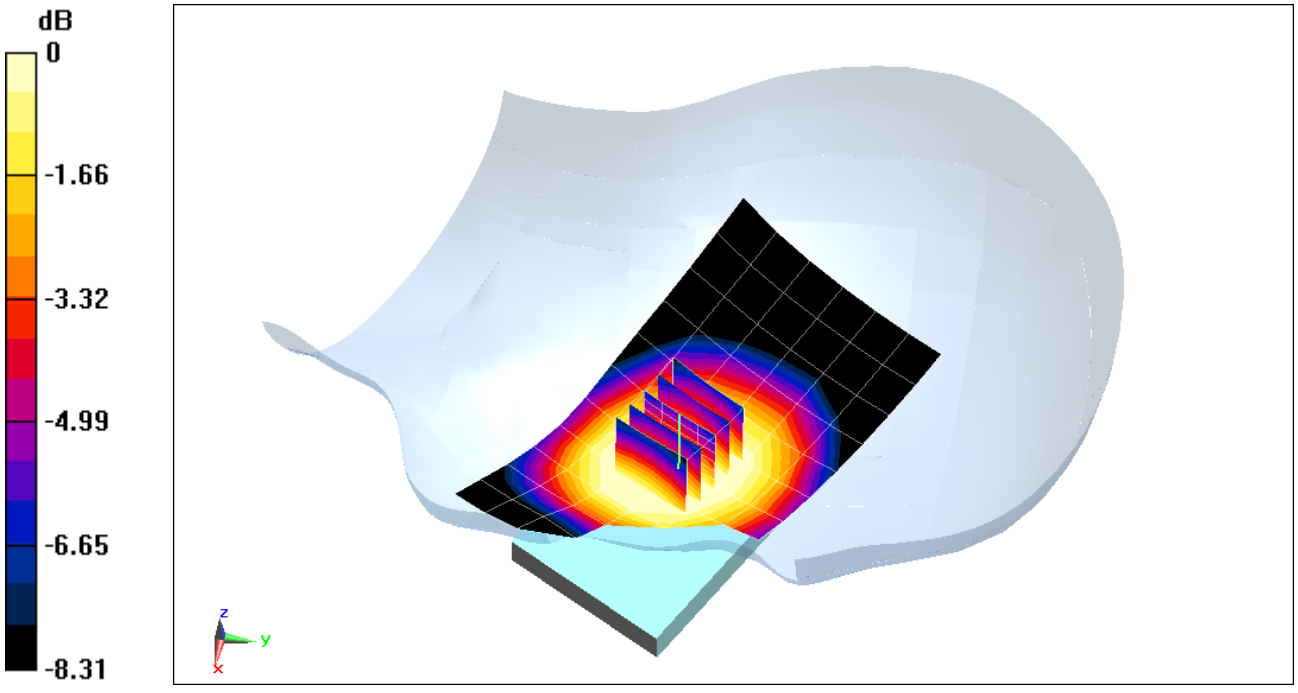
Communication System: CDMA; Frequency: 820.1 MHz; Duty Cycle: 1:1
Medium: 835 Head Medium parameters used (interpolated):
$f = 820.1$ MHz; $\sigma = 0.896$ mho/m; $\varepsilon_r = 40.829$; $\rho = 1000$ kg/m$^3$
Phantom section: Left Section

Test Date: 04-23-2012; Ambient Temp: 21.7°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3561; ConvF(8.07, 8.07, 8.07); Calibrated: 7/27/2011
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 Left; Type: QD000P40CD; Serial: TP: 1687
Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: Cell. CDMA - FCC Rule Part 90S, Left Head, Touch, 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 = 22.248 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.5110
**SAR(1 g) = 0.419 mW/g; SAR(10 g) = 0.323 mW/g**




0 dB = 0.440mW/g = -7.13 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

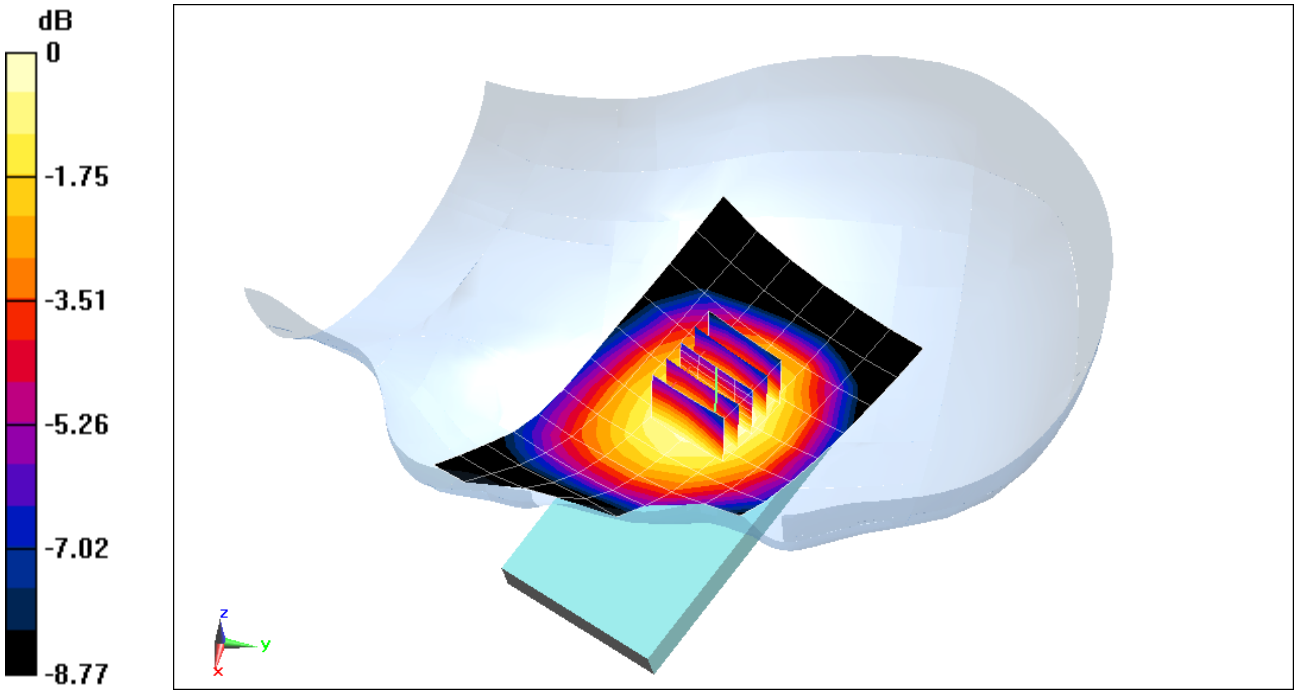
Communication System: CDMA; Frequency: 820.1 MHz; Duty Cycle: 1:1
Medium: 835 Head Medium parameters used (interpolated):
$f = 820.1$ MHz; $\sigma = 0.896$ mho/m; $\varepsilon_r = 40.829$; $\rho = 1000$ kg/m$^3$
Phantom section: Left Section

Test Date: 04-23-2012; Ambient Temp: 21.7°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3561; ConvF(8.07, 8.07, 8.07); Calibrated: 7/27/2011
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 Left; Type: QD000P40CD; Serial: TP: 1687
Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: Cell. CDMA - FCC Rule Part 90S, 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 = 18.628 V/m; Power Drift = 0.0048 dB
Peak SAR (extrapolated) = 0.3670
**SAR(1 g) = 0.297 mW/g; SAR(10 g) = 0.229 mW/g**




0 dB = 0.310mW/g = -10.17 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 52**

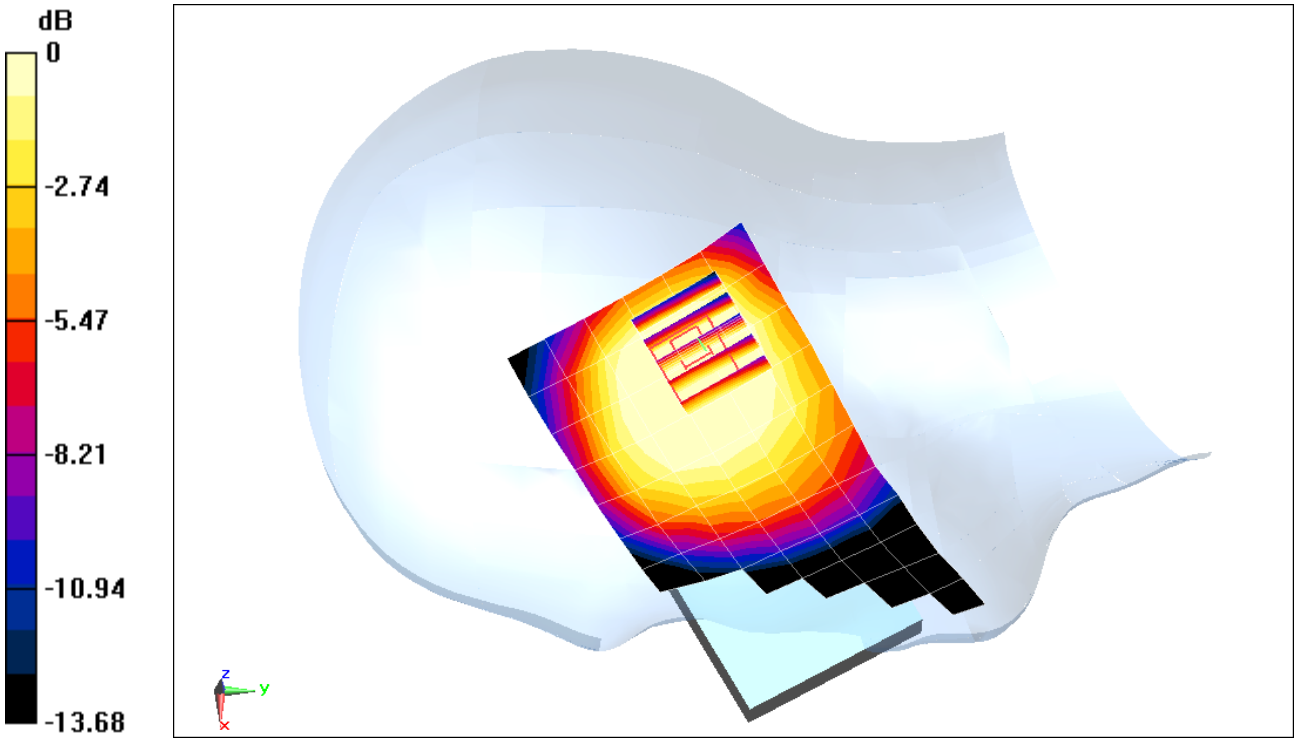
Communication System: Cellular CDMA; Frequency: 820.1 MHz; Duty Cycle: 1:1
Medium: 835 Head Medium parameters used (interpolated):
$f = 820.1$ MHz; $\sigma = 0.901$ mho/m; $\varepsilon_r = 39.76$; $\rho = 1000$ kg/m$^3$
Phantom section: Right Section

Test Date: 05-05-2012; Ambient Temp: 23.0°C; Tissue Temp: 22.8°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 14.6.4 (4989)

**Mode: Cell. EVDO, Rev.0 - FCC Rule part 90S, Right Head, Touch, 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 = 12.636 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.1840
**SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.089 mW/g**




0 dB = 0.130mW/g = -17.72 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 52**

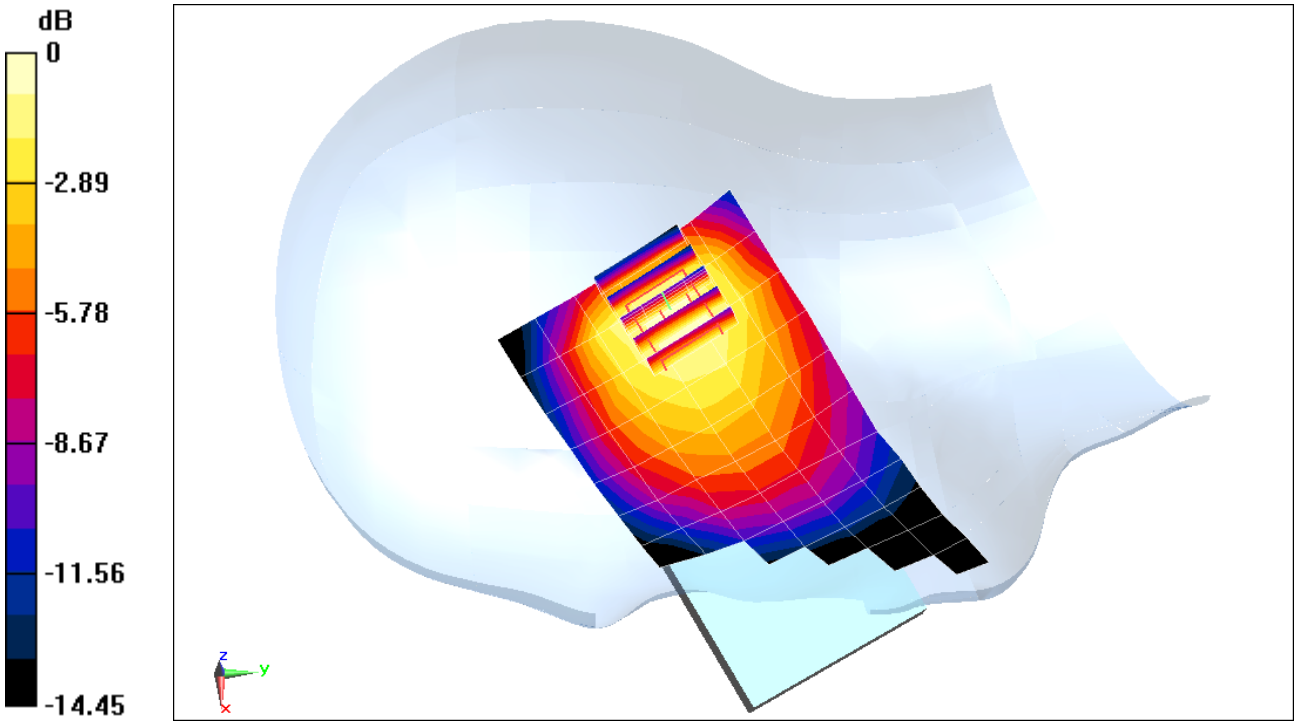
Communication System: Cellular CDMA; Frequency: 820.1 MHz;Duty Cycle: 1:1
Medium: 835 Head Medium parameters used (interpolated):
$f = 820.1$ MHz; $\sigma = 0.901$ mho/m; $\varepsilon_r = 39.76$; $\rho = 1000$ kg/m$^3$
Phantom section: Right Section

Test Date: 05-05-2012; Ambient Temp: 23.0°C; Tissue Temp: 22.8°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 14.6.4 (4989)

## Mode: Cell. EVDO, Rev.0 - FCC Rule part 90S, 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 = 11.312 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.1680
**SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.071 mW/g**




0 dB = 0.120mW/g = -18.42 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 52**

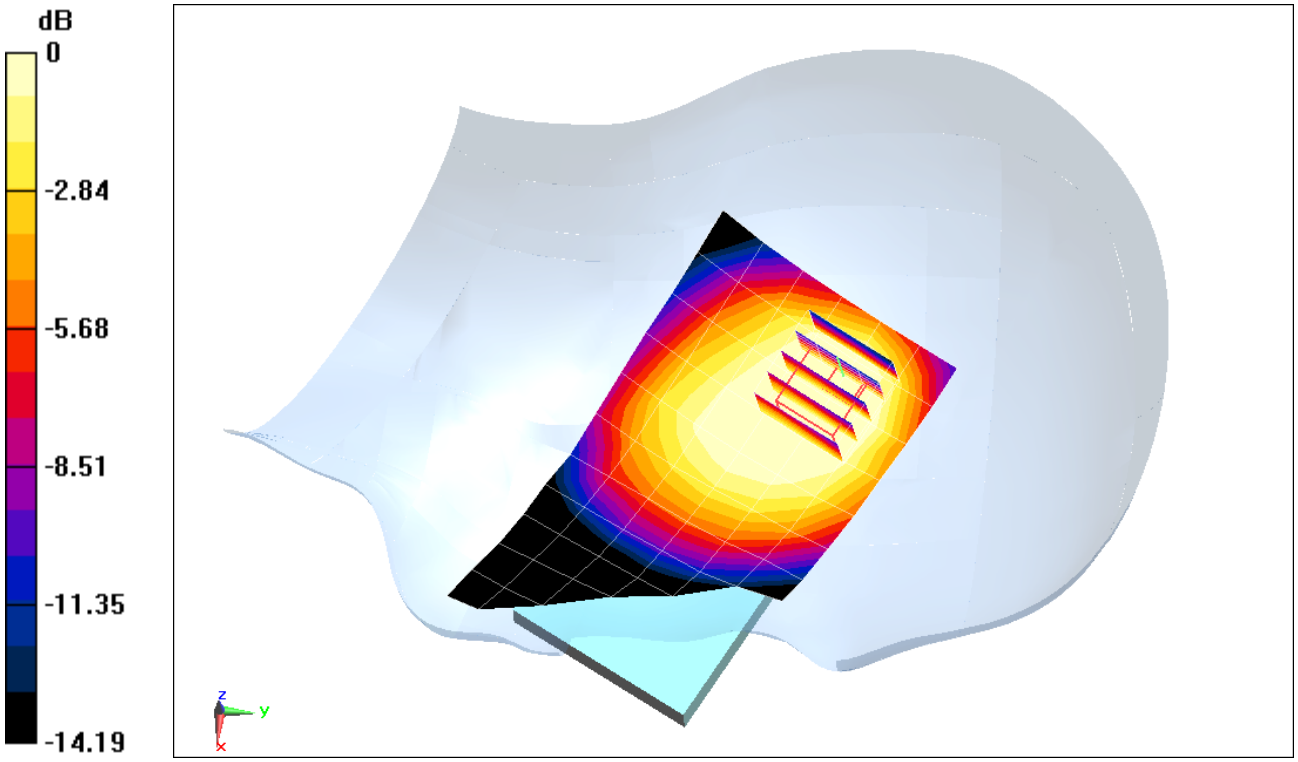
Communication System: Cellular CDMA; Frequency: 820.1 MHz; Duty Cycle: 1:1
Medium: 835 Head Medium parameters used (interpolated):
$f = 820.1$ MHz; $\sigma = 0.901$ mho/m; $\varepsilon_r = 39.76$; $\rho = 1000$ kg/m$^3$
Phantom section: Left Section

Test Date: 05-05-2012; Ambient Temp: 23.0°C; Tissue Temp: 22.8°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 14.6.4 (4989)

## Mode: Cell. EVDO, Rev.0 - FCC Rule part 90S, Left Head, Touch, 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 = 13.767 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.2440
**SAR(1 g) = 0.147 mW/g; SAR(10 g) = 0.096 mW/g**




0 dB = 0.160mW/g = -15.92 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 52**

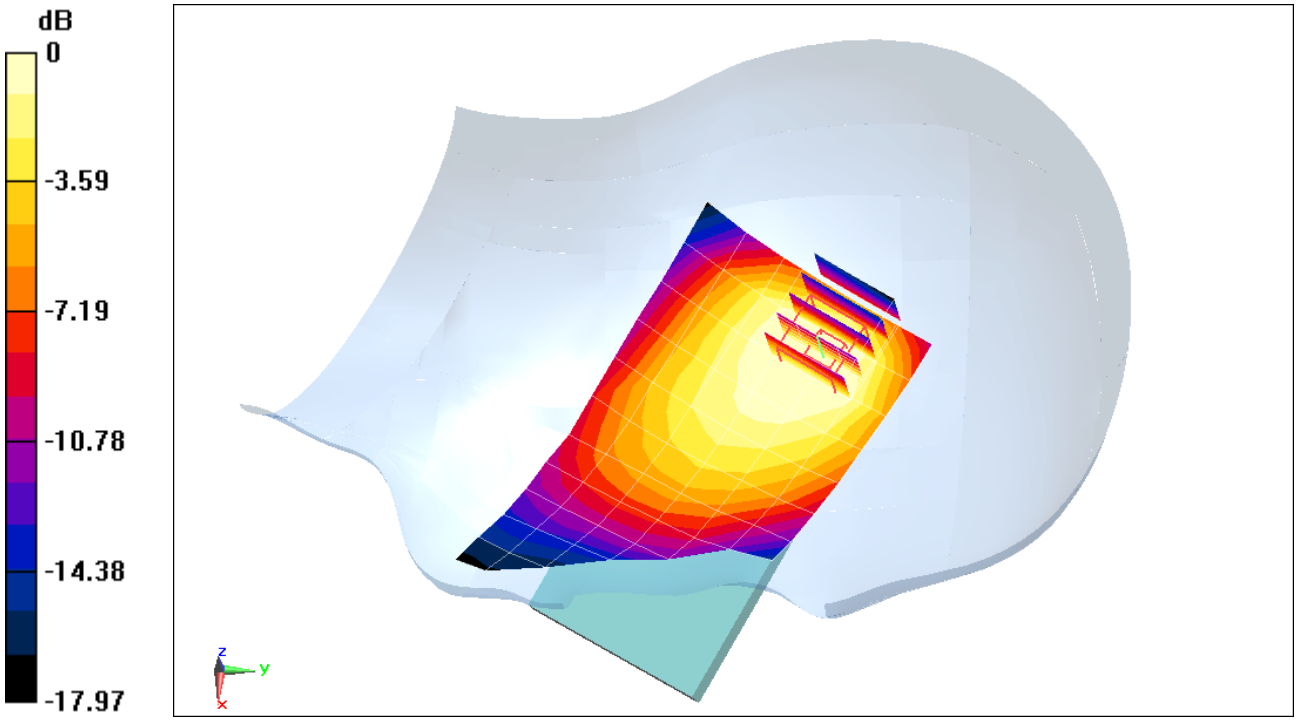
Communication System: Cellular CDMA; Frequency: 820.1 MHz; Duty Cycle: 1:1
Medium: 835 Head Medium parameters used (interpolated):
$f = 820.1$ MHz; $\sigma = 0.901$ mho/m; $\varepsilon_r = 39.76$; $\rho = 1000$ kg/m$^3$
Phantom section: Left Section

Test Date: 05-05-2012; Ambient Temp: 23.0°C; Tissue Temp: 22.8°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 14.6.4 (4989)

## Mode: Cell. EVDO, Rev.0 - FCC Rule part 90S, 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 = 14.252 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.2670
**SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.081 mW/g**




0 dB = 0.150mW/g = -16.48 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

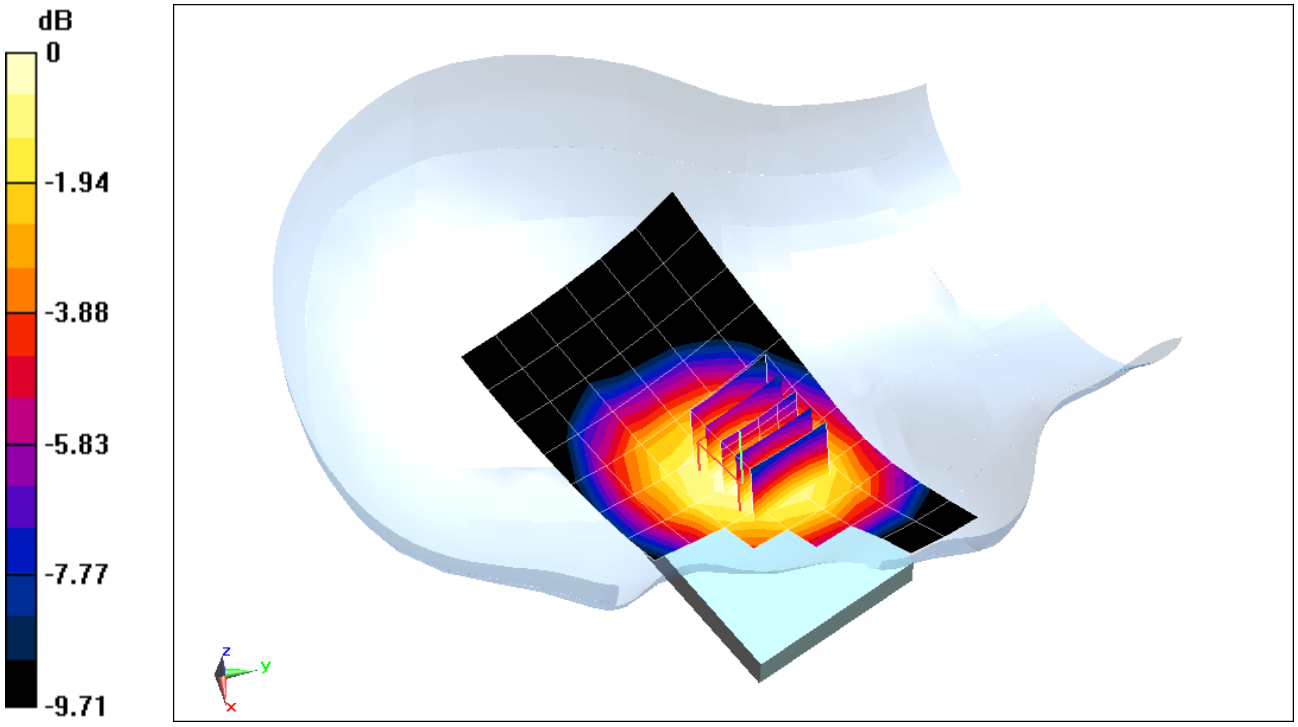
Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: 835 Head Medium parameters used (interpolated):
$f = 836.52$ MHz; $\sigma = 0.912$ mho/m; $\varepsilon_r = 40.621$; $\rho = 1000$ kg/m$^3$
Phantom section: Right Section

Test Date: 04-23-2012; Ambient Temp: 21.7°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3561; ConvF(8.07, 8.07, 8.07); Calibrated: 7/27/2011
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 Left; Type: QD000P40CD; Serial: TP: 1687
Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: Cell. CDMA - FCC Rule part 22H, Right Head, Touch, 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 = 27.964 V/m; Power Drift = -0.001 dB
Peak SAR (extrapolated) = 0.8810
**SAR(1 g) = 0.708 mW/g; SAR(10 g) = 0.541 mW/g**




0 dB = 0.740mW/g = -2.62 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

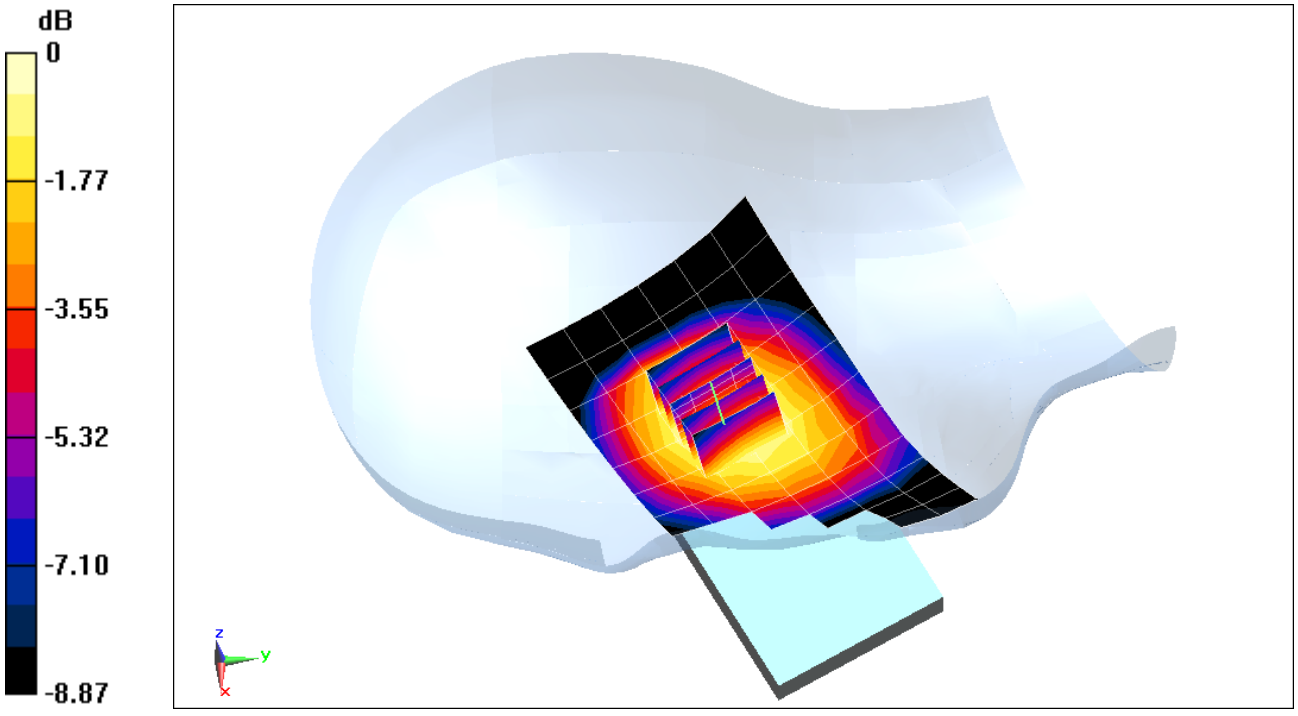
Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: 835 Head Medium parameters used (interpolated):
$f = 836.52$ MHz; $\sigma = 0.912$ mho/m; $\varepsilon_r = 40.621$; $\rho = 1000$ kg/m$^3$
Phantom section: Right Section

Test Date: 04-23-2012; Ambient Temp: 21.7°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3561; ConvF(8.07, 8.07, 8.07); Calibrated: 7/27/2011
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 Left; Type: QD000P40CD; Serial: TP: 1687
Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: Cell. CDMA - FCC Rule part 22H, 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 = 22.605 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.5600
**SAR(1 g) = 0.444 mW/g; SAR(10 g) = 0.337 mW/g**




0 dB = 0.470mW/g = -6.56 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

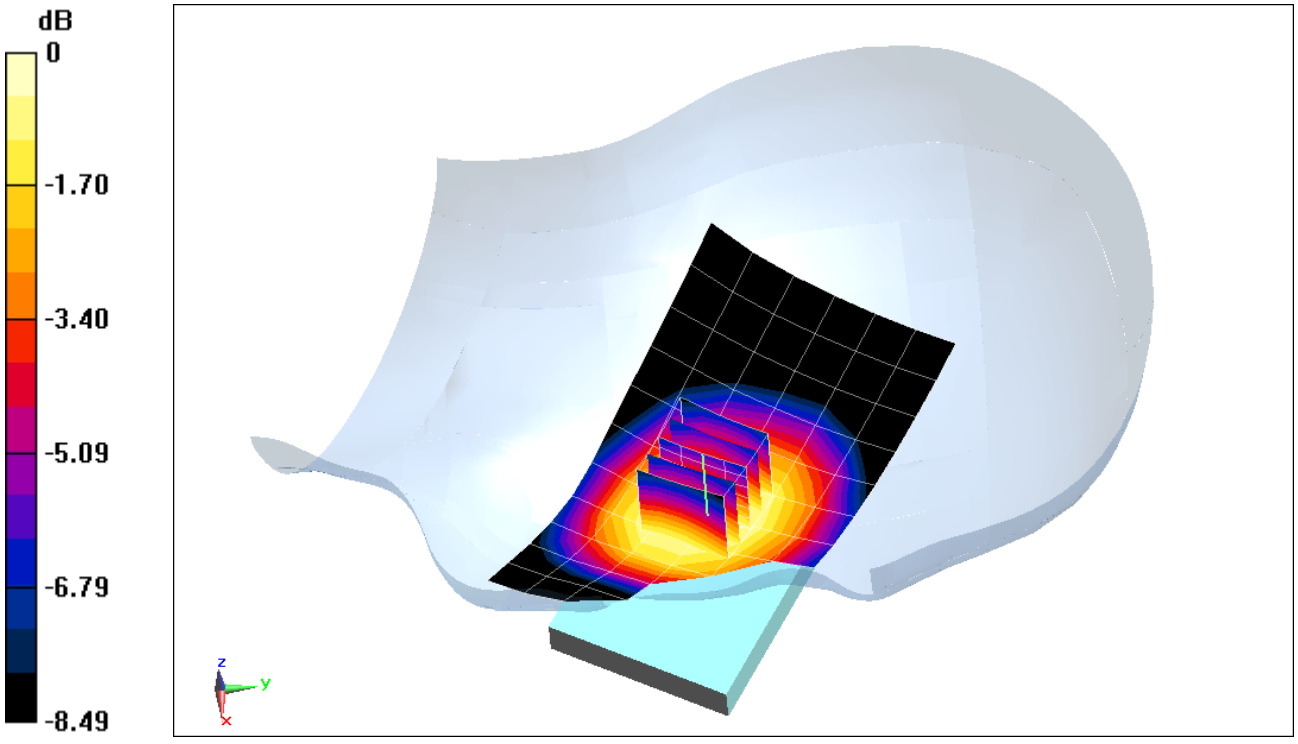
Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: 835 Head Medium parameters used (interpolated):
$f = 836.52$ MHz; $\sigma = 0.912$ mho/m; $\varepsilon_r = 40.621$; $\rho = 1000$ kg/m$^3$
Phantom section: Left Section

Test Date: 04-23-2012; Ambient Temp: 21.7°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3561; ConvF(8.07, 8.07, 8.07); Calibrated: 7/27/2011
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 Left; Type: QD000P40CD; Serial: TP: 1687
Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: Cell. CDMA - FCC Rule part 22H, Left Head, Touch, 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 = 25.176 V/m; Power Drift = 0.0055 dB
Peak SAR (extrapolated) = 0.6750
**SAR(1 g) = 0.555 mW/g; SAR(10 g) = 0.426 mW/g**




0 dB = 0.580mW/g = -4.73 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

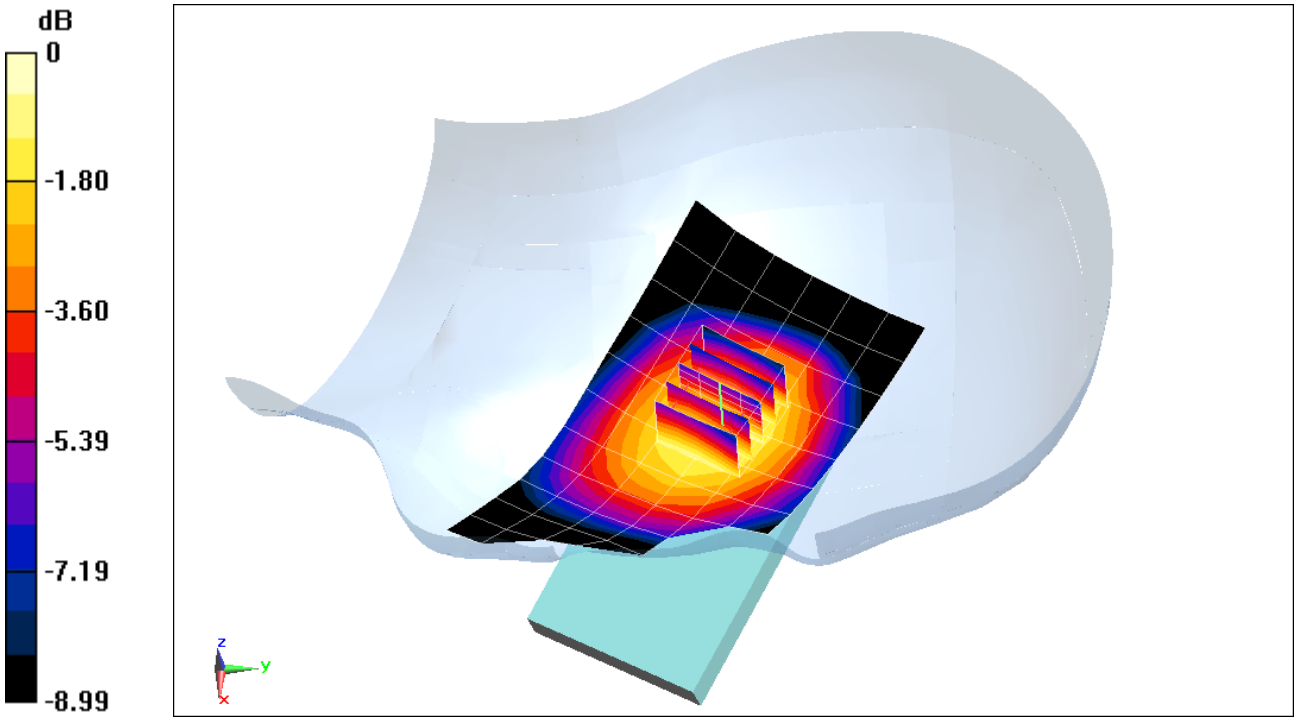
Communication System: CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: 835 Head Medium parameters used (interpolated):
$f = 836.52$ MHz; $\sigma = 0.912$ mho/m; $\varepsilon_r = 40.621$; $\rho = 1000$ kg/m$^3$
Phantom section: Left Section

Test Date: 04-23-2012; Ambient Temp: 21.7°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3561; ConvF(8.07, 8.07, 8.07); Calibrated: 7/27/2011
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 Left; Type: QD000P40CD; Serial: TP: 1687
Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: Cell. CDMA - FCC Rule part 22H, 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 = 20.295 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.4370
**SAR(1 g) = 0.353 mW/g; SAR(10 g) = 0.272 mW/g**




0 dB = 0.370mW/g = -8.64 dB mW/g

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 52**

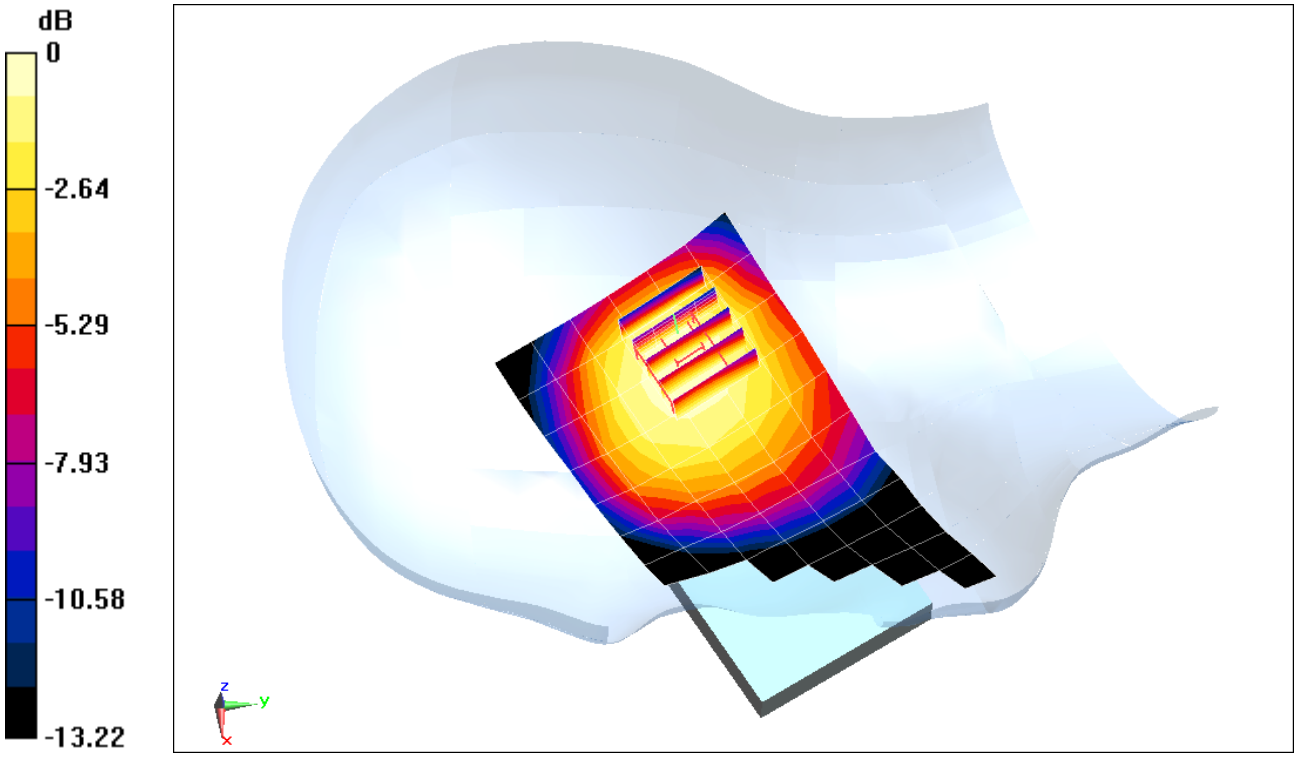
Communication System: Cellular CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: 835 Head Medium parameters used (interpolated):
f = 836.52 MHz; $\sigma$ = 0.917 mho/m; $\varepsilon_r$ = 39.671; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

Test Date: 05-05-2012; Ambient Temp: 23.0°C; Tissue Temp: 22.8°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 14.6.4 (4989)

**Mode: Cell. EVDO, Rev.0 - FCC Rule part 22H, Right Head, Touch, 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 = 15.385 V/m; Power Drift = 0.0096 dB
Peak SAR (extrapolated) = 0.2660
**SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.131 mW/g**




0 dB = 0.190mW/g = -14.42 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 52**

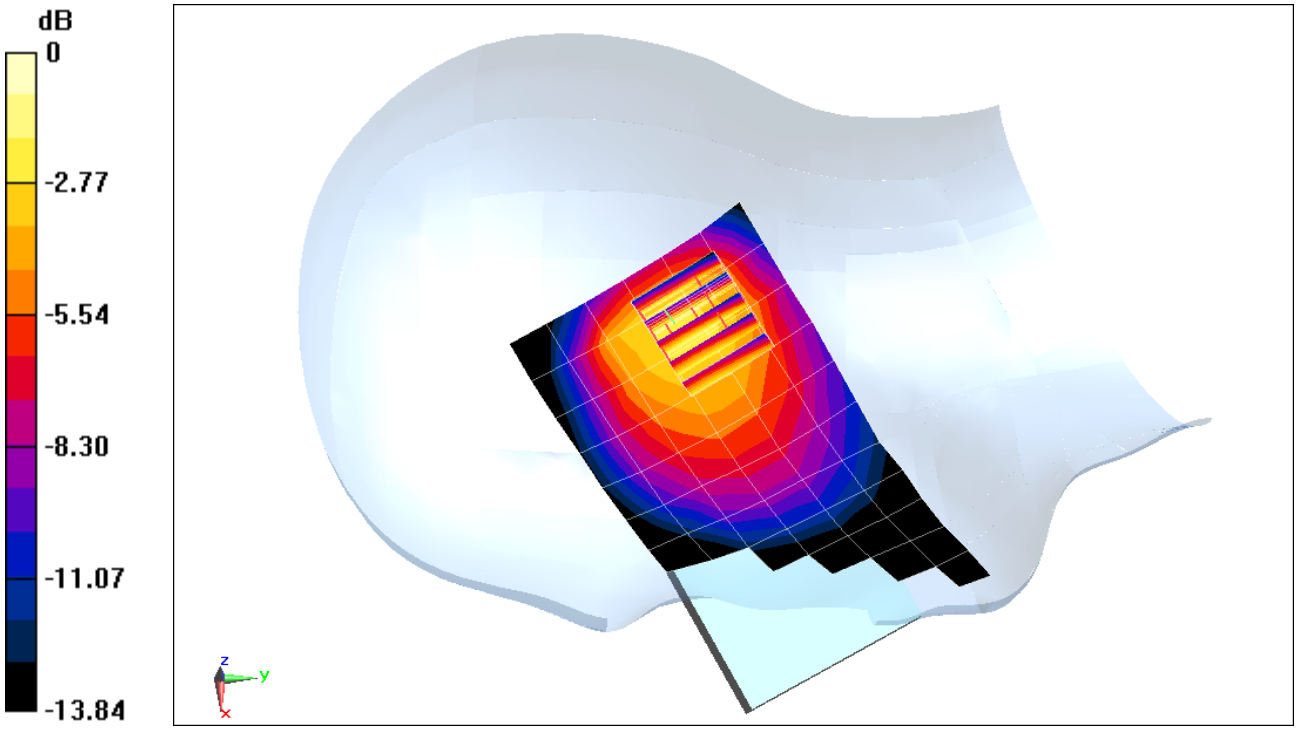
Communication System: Cellular CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: 835 Head Medium parameters used (interpolated):
f = 836.52 MHz; $\sigma$ = 0.917 mho/m; $\varepsilon_r$ = 39.671; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

Test Date: 05-05-2012; Ambient Temp: 23.0°C; Tissue Temp: 22.8°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 14.6.4 (4989)

## Mode: Cell. EVDO, Rev.0 - 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 = 13.687 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.2580
**SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.108 mW/g**




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

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 52**

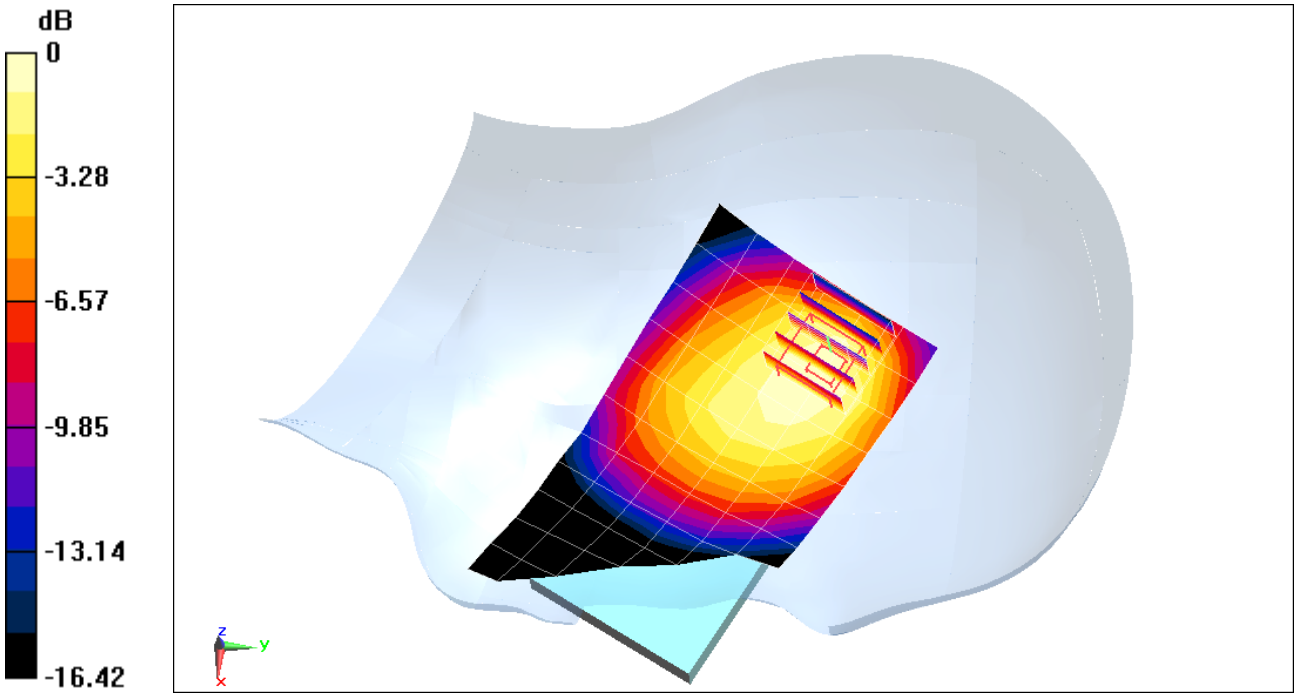
Communication System: Cellular CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: 835 Head Medium parameters used (interpolated):
$f = 836.52$ MHz; $\sigma = 0.917$ mho/m; $\varepsilon_r = 39.671$; $\rho = 1000$ kg/m$^3$
Phantom section: Left Section

Test Date: 05-05-2012; Ambient Temp: 23.0°C; Tissue Temp: 22.8°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 14.6.4 (4989)

## Mode: Cell. EVDO, Rev.0 - FCC Rule part 22H, Left Head, Touch, 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 = 17.583 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.3790
**SAR(1 g) = 0.230 mW/g; SAR(10 g) = 0.147 mW/g**




0 dB = 0.240mW/g = -12.40 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 52**

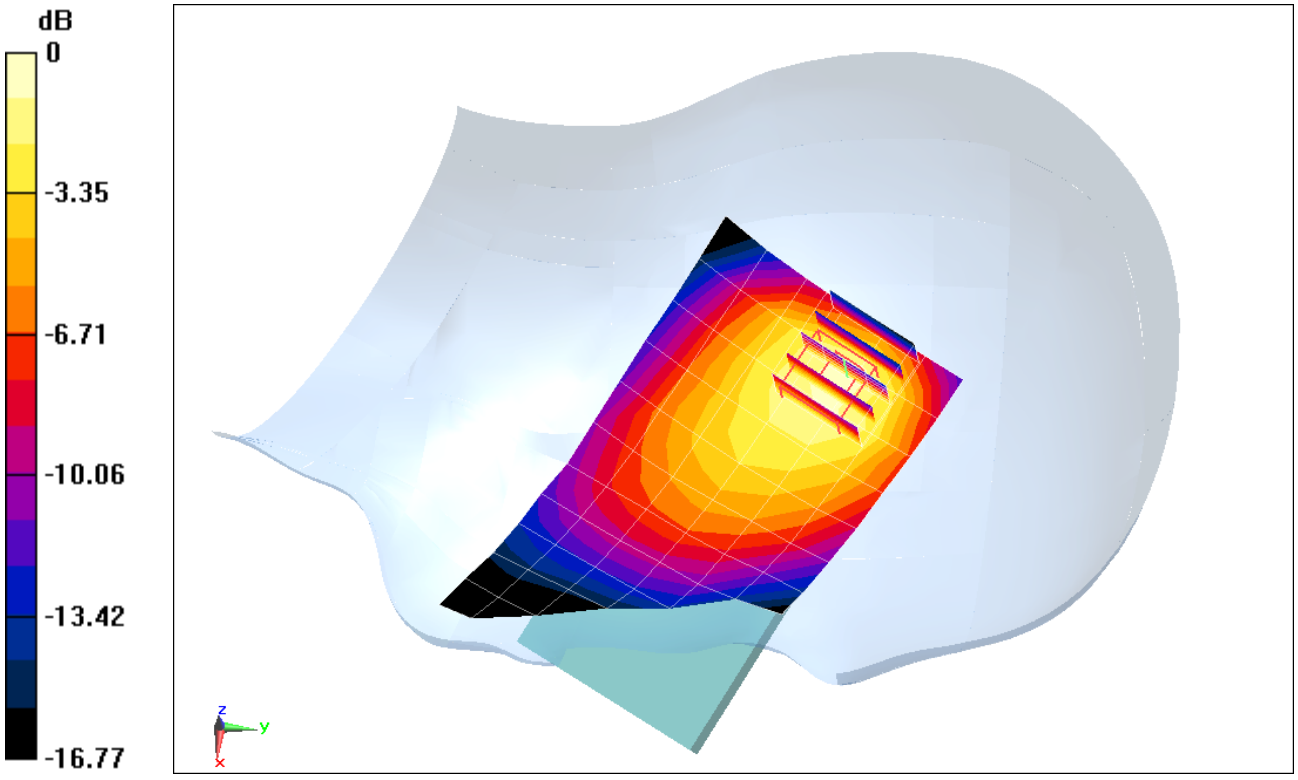
Communication System: Cellular CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: 835 Head Medium parameters used (interpolated):
$f = 836.52$ MHz; $\sigma = 0.917$ mho/m; $\varepsilon_r = 39.671$; $\rho = 1000$ kg/m$^3$
Phantom section: Left Section

Test Date: 05-05-2012; Ambient Temp: 23.0°C; Tissue Temp: 22.8°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 14.6.4 (4989)

**Mode: Cell. EVDO, Rev.0 - FCC Rule part 22H, 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 = 16.569 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.3890
**SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.123 mW/g**




0 dB = 0.220mW/g = -13.15 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

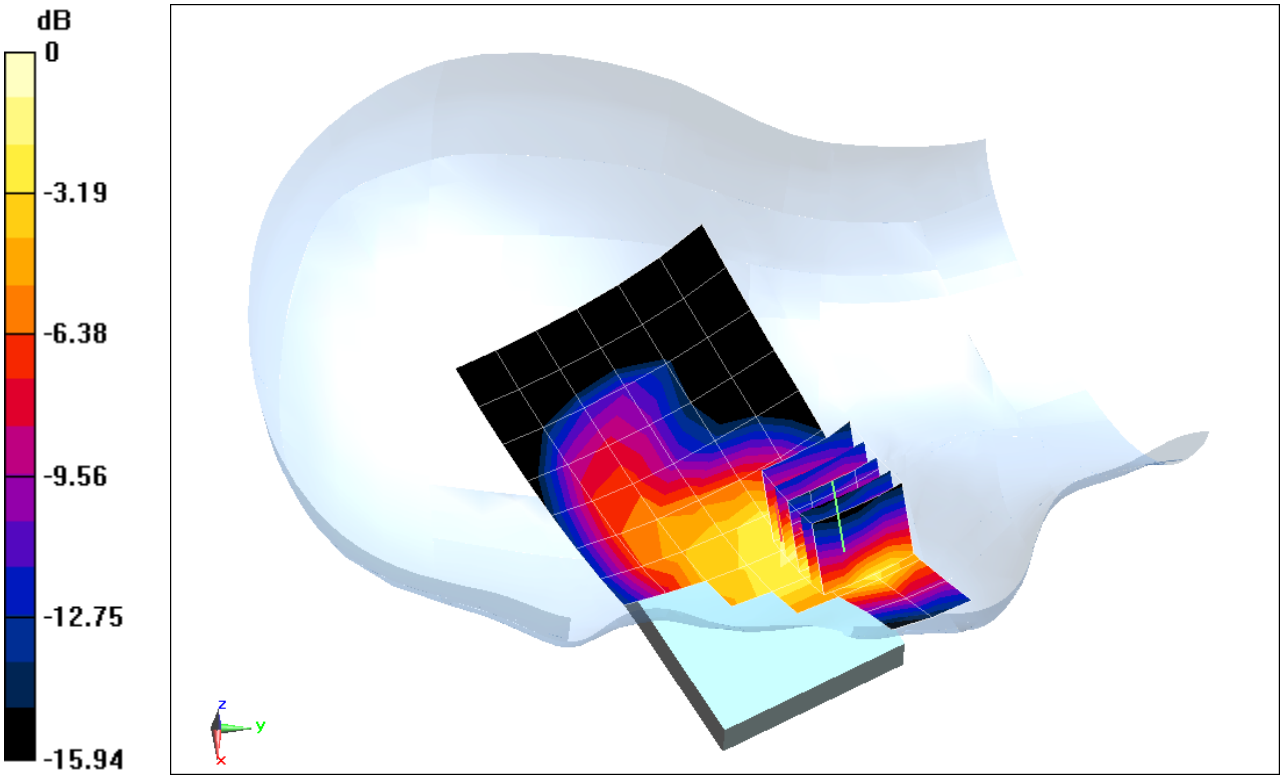
Communication System: CDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 Head Medium parameters used:
f = 1880 MHz; $\sigma$ = 1.369 mho/m; $\varepsilon_r$ = 39.56; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

Test Date: 04-27-2012; Ambient Temp: 23.8°C; Tissue Temp: 22.4°C

Probe: ES3DV3 - SN3288; ConvF(5.16, 5.16, 5.16); Calibrated: 2/7/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 11/9/2011
Phantom: SAM 5.0 front; Type: QD000P40CD; Serial: TP:-1648
Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: PCS CDMA, Right Head, Touch, 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 = 22.292 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.0730
**SAR(1 g) = 0.611 mW/g; SAR(10 g) = 0.343 mW/g**




0 dB = 0.680mW/g = -3.35 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

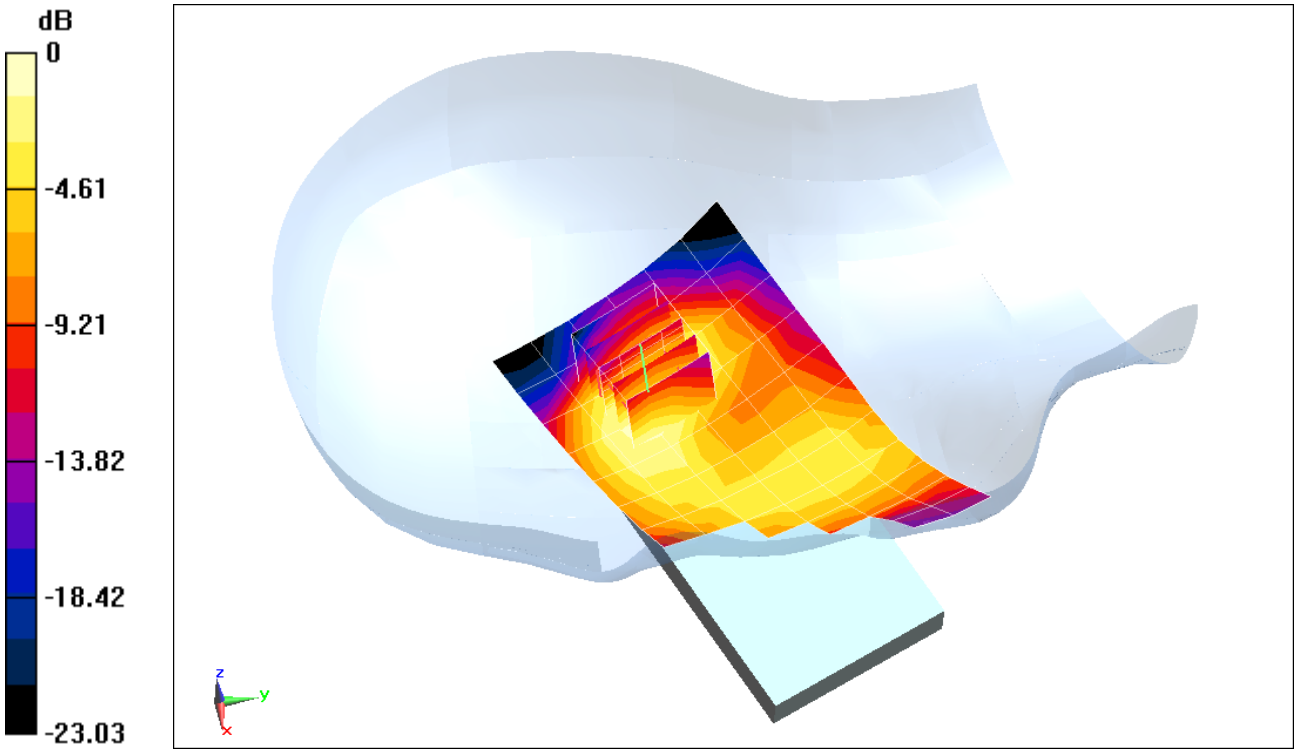
Communication System: CDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 Head Medium parameters used:
f = 1880 MHz; $\sigma$ = 1.369 mho/m; $\varepsilon_r$ = 39.56; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

Test Date: 04-27-2012; Ambient Temp: 23.8°C; Tissue Temp: 22.4°C

Probe: ES3DV3 - SN3288; ConvF(5.16, 5.16, 5.16); Calibrated: 2/7/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 11/9/2011
Phantom: SAM 5.0 front; Type: QD000P40CD; Serial: TP:-1648
Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**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 = 10.980 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.2480
**SAR(1 g) = 0.154 mW/g; SAR(10 g) = 0.094 mW/g**




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

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

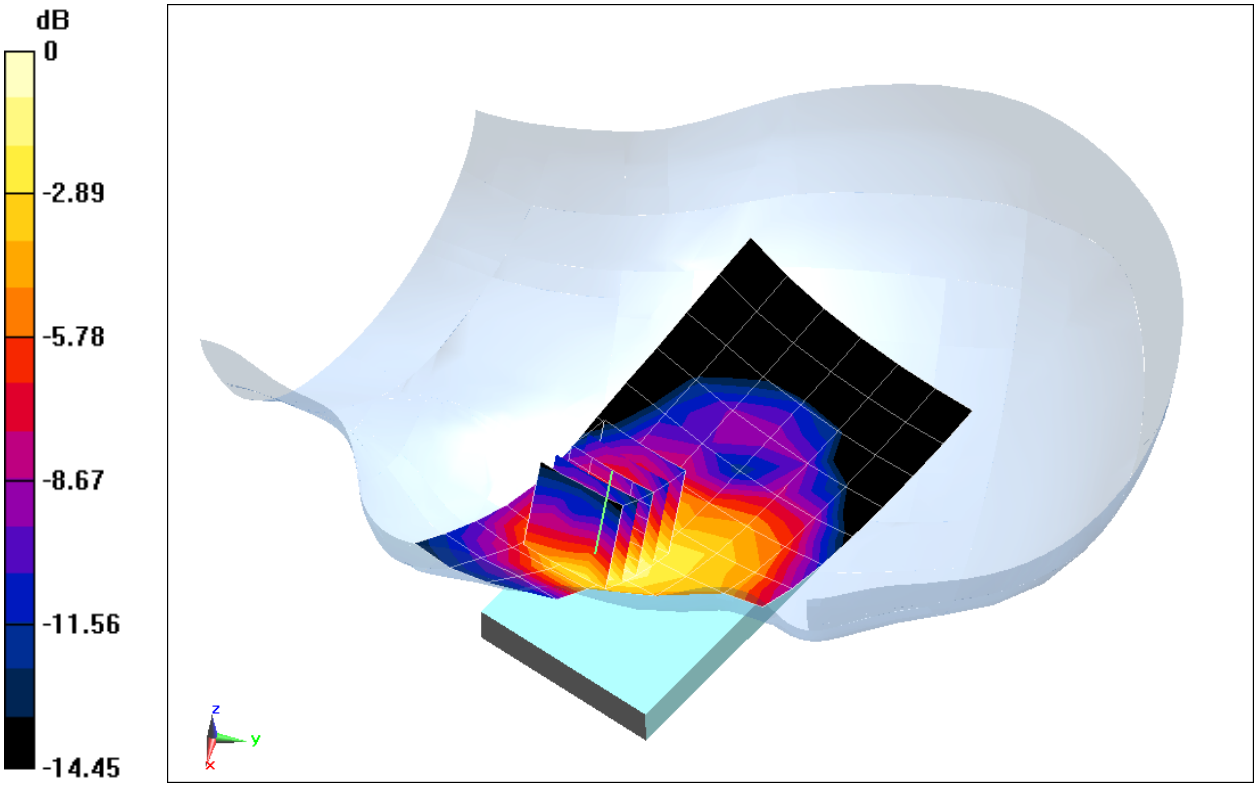
Communication System: CDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 Head Medium parameters used:
f = 1880 MHz; $\sigma$ = 1.369 mho/m; $\varepsilon_r$ = 39.56; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section

Test Date: 04-27-2012; Ambient Temp: 23.8°C; Tissue Temp: 22.4°C

Probe: ES3DV3 - SN3288; ConvF(5.16, 5.16, 5.16); Calibrated: 2/7/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 11/9/2011
Phantom: SAM 5.0 front; Type: QD000P40CD; Serial: TP:-1648
Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: PCS CDMA, Left Head, Touch, 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 = 19.388 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.6980
**SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.323 mW/g**




0 dB = 0.520mW/g = -5.68 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

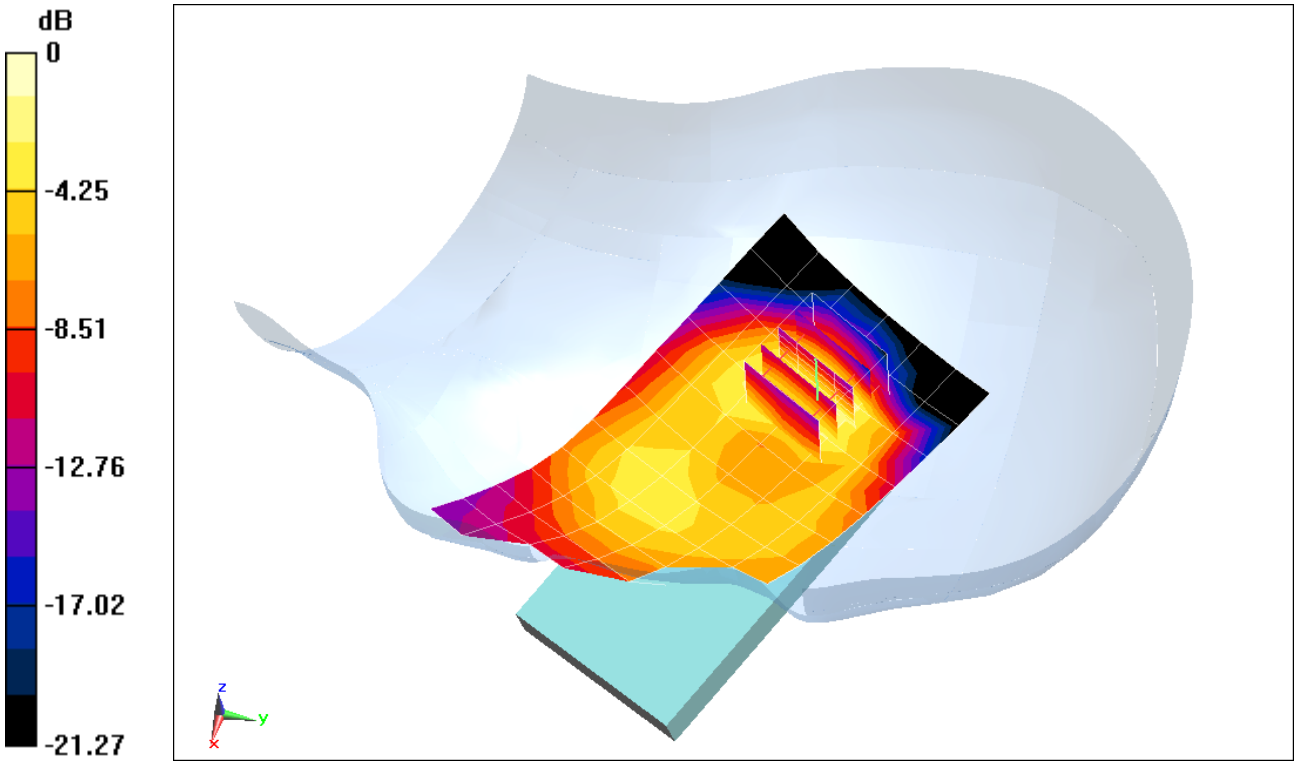
Communication System: CDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 Head Medium parameters used:
f = 1880 MHz; $\sigma$ = 1.369 mho/m; $\varepsilon_r$ = 39.56; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section

Test Date: 04-27-2012; Ambient Temp: 23.8°C; Tissue Temp: 22.4°C

Probe: ES3DV3 - SN3288; ConvF(5.16, 5.16, 5.16); Calibrated: 2/7/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 11/9/2011
Phantom: SAM 5.0 front; Type: QD000P40CD; Serial: TP:-1648
Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**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 = 9.920 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.2330
**SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.078 mW/g**




0 dB = 0.160mW/g = -15.92 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial:** 1206-13

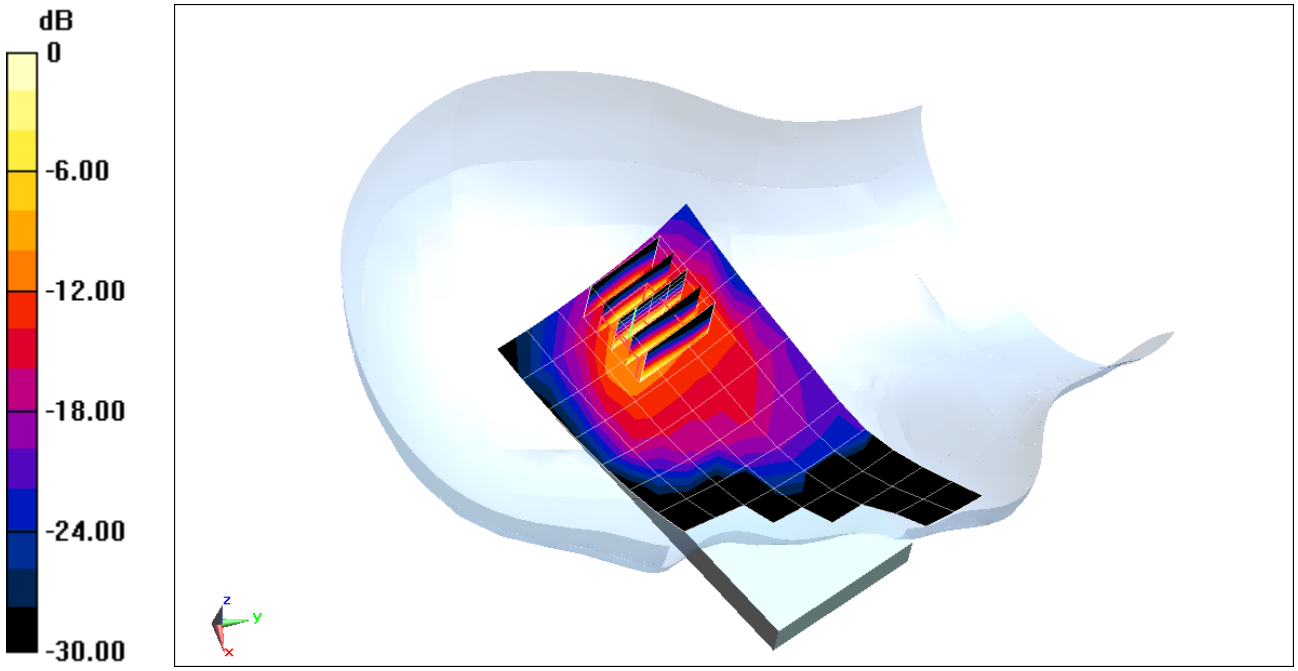
Communication System: CDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 Head Medium parameters used:
f = 1880 MHz; $\sigma$ = 1.39 mho/m; $\varepsilon_r$ = 38.26; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

Test Date: 06-14-2012; Ambient Temp: 22.6°C; Tissue Temp: 22.2°C

Probe: ES3DV3 - SN3288; ConvF(5.16, 5.16, 5.16); Calibrated: 2/7/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 Left; Type: QD000P40CD; Serial: TP: 1687
Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.4 (4989)

**Mode: PCS EVDO, Rev.0, Right Head, Touch, 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 = 14.126 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.7880
**SAR(1 g) = 0.468 mW/g; SAR(10 g) = 0.276 mW/g**




0 dB = 0.510mW/g = -5.85 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial:** 1206-13

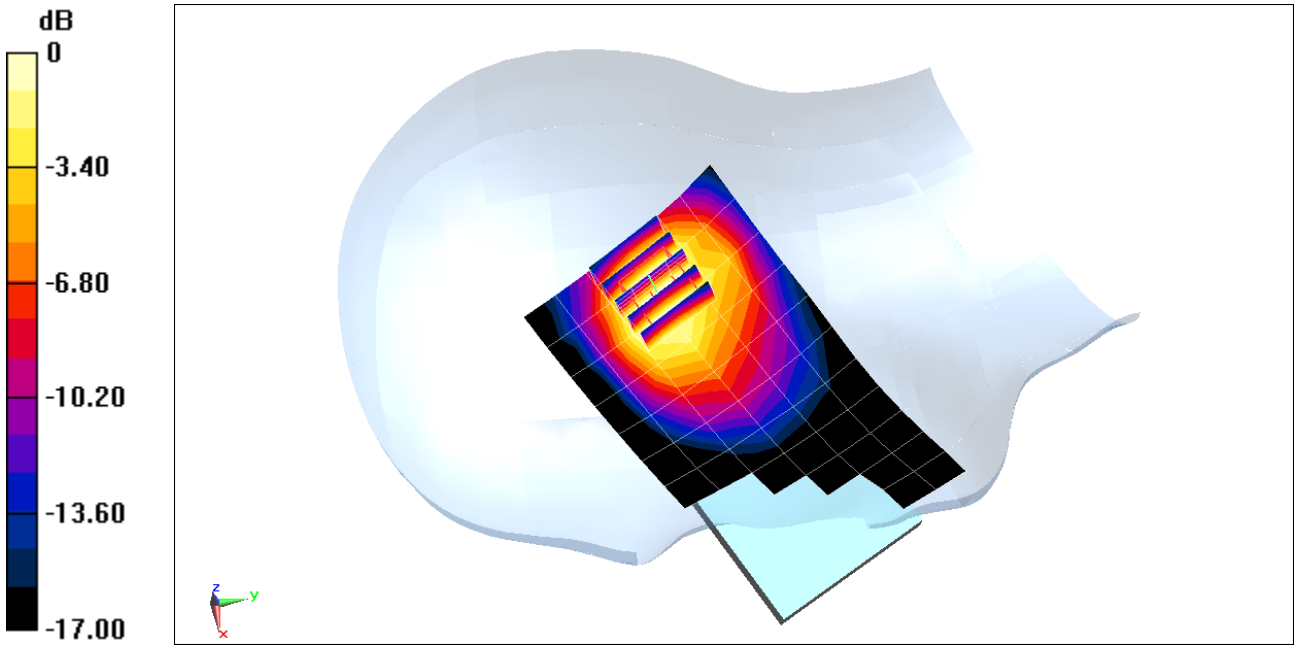
Communication System: CDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 Head Medium parameters used:
f = 1880 MHz; $\sigma$ = 1.39 mho/m; $\varepsilon_r$ = 38.26; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

Test Date: 06-14-2012; Ambient Temp: 22.6°C; Tissue Temp: 22.2°C

Probe: ES3DV3 - SN3288; ConvF(5.16, 5.16, 5.16); Calibrated: 2/7/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 Left; Type: QD000P40CD; Serial: TP: 1687
Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.4 (4989)

**Mode: PCS EVDO, Rev.0, 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 = 21.944 V/m; Power Drift = -0.00061 dB
Peak SAR (extrapolated) = 1.0490
**SAR(1 g) = 0.639 mW/g; SAR(10 g) = 0.372 mW/g**




0 dB = 0.700mW/g = -3.10 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial:** 1206-13

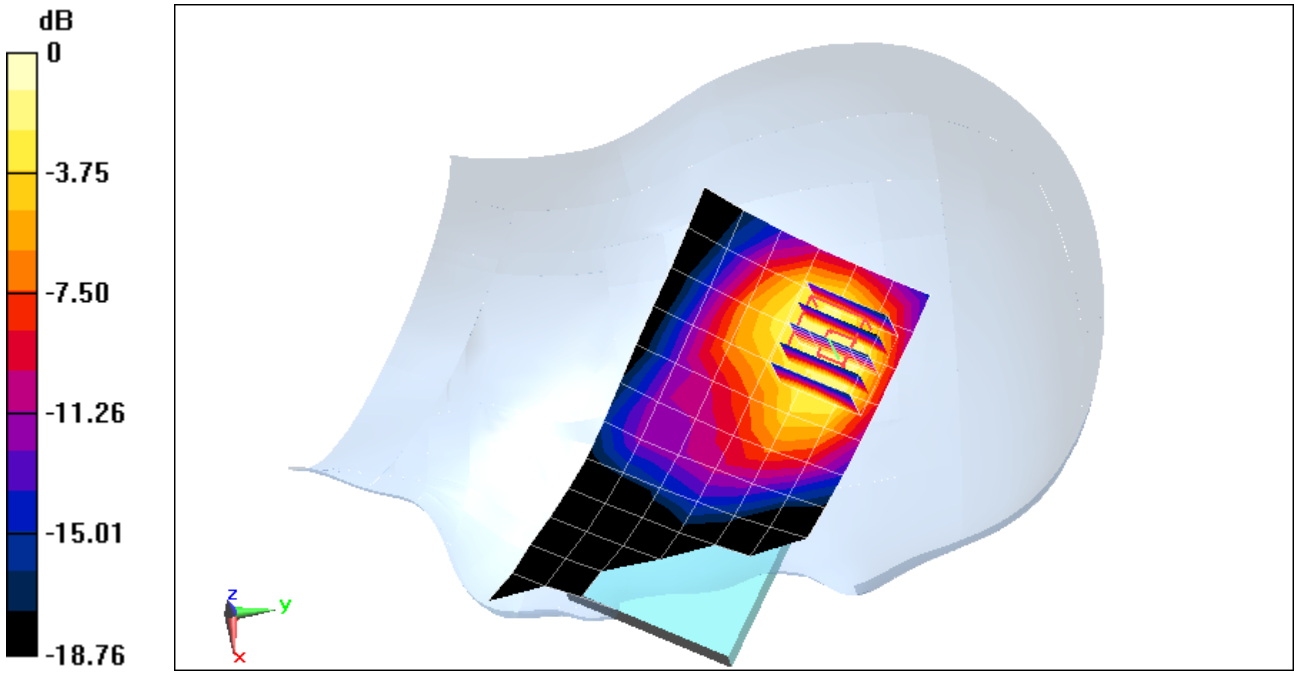
Communication System: CDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 Head Medium parameters used:
f = 1880 MHz; $\sigma$ = 1.39 mho/m; $\varepsilon_r$ = 38.26; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section

Test Date: 06-14-2012; Ambient Temp: 22.6°C; Tissue Temp: 22.2°C

Probe: ES3DV3 - SN3288; ConvF(5.16, 5.16, 5.16); Calibrated: 2/7/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 Left; Type: QD000P40CD; Serial: TP: 1687
Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.4 (4989)

**Mode: PCS EVDO, Rev.0, Left Head, Touch, 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 = 21.380 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.3830
**SAR(1 g) = 0.663 mW/g; SAR(10 g) = 0.346 mW/g**




0 dB = 0.760mW/g = -2.38 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial:** 1206-13

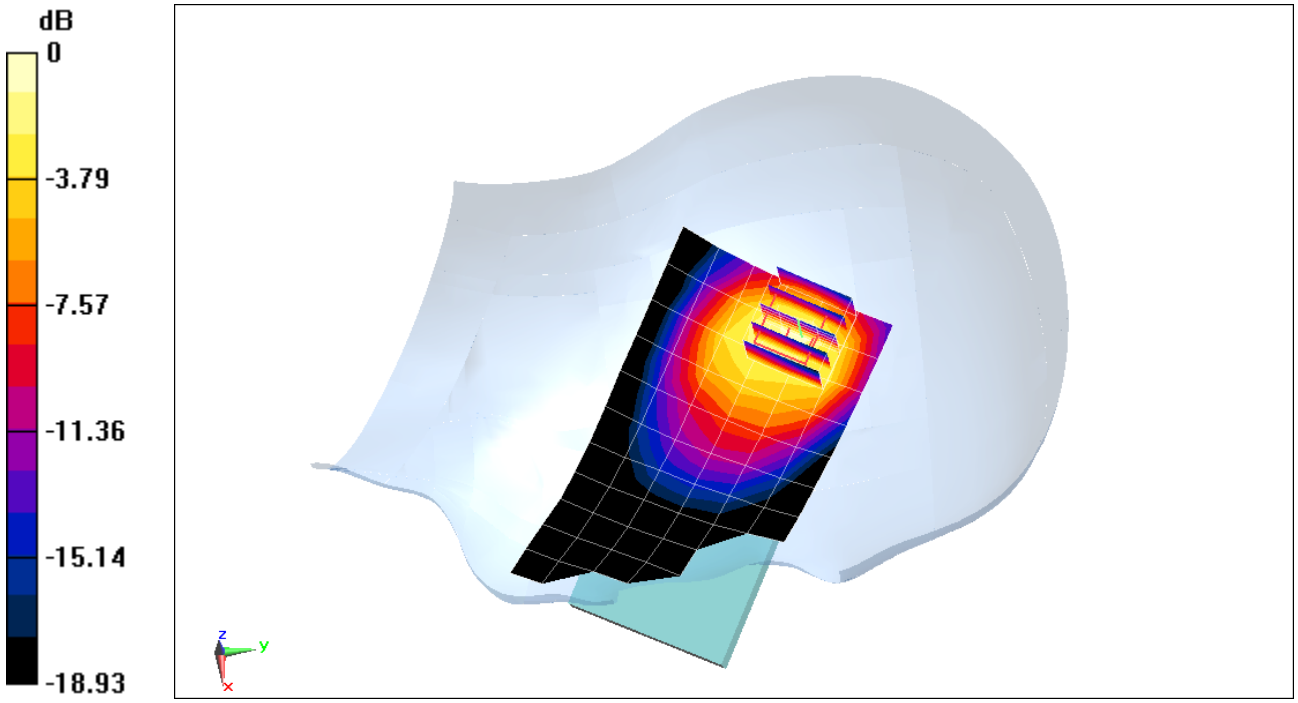
Communication System: CDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 Head Medium parameters used:
f = 1880 MHz; $\sigma$ = 1.39 mho/m; $\varepsilon_r$ = 38.26; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section

Test Date: 06-14-2012; Ambient Temp: 22.6°C; Tissue Temp: 22.2°C

Probe: ES3DV3 - SN3288; ConvF(5.16, 5.16, 5.16); Calibrated: 2/7/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 Left; Type: QD000P40CD; Serial: TP: 1687
Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.4 (4989)

**Mode: PCS EVDO, Rev.0, 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 = 24.033 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.4540
**SAR(1 g) = 0.773 mW/g; SAR(10 g) = 0.422 mW/g**




0 dB = 0.880mW/g = -1.11 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial:** 1206-7

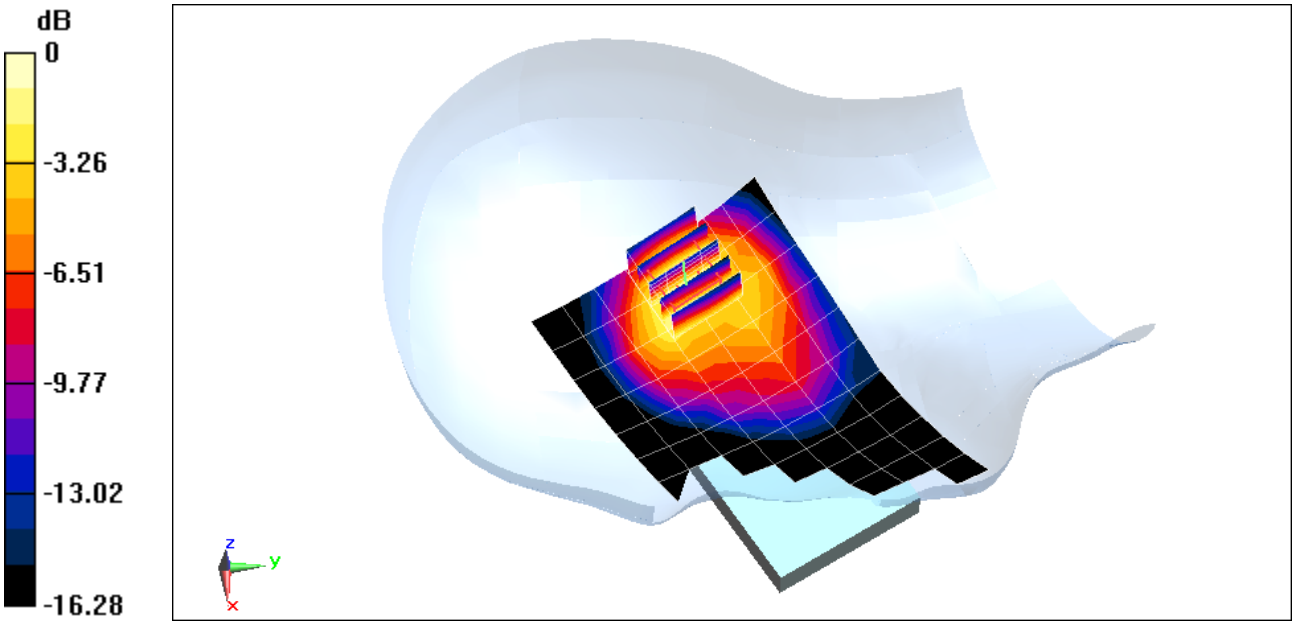
Communication System: LTE Band 25; Frequency: 1912.5 MHz;Duty Cycle: 1:1
Medium: 1900 Head Medium parameters used (interpolated):
$f = 1912.5$ MHz; $\sigma = 1.427$ mho/m; $\varepsilon_r = 38.13$; $\rho = 1000$ kg/m$^3$
Phantom section: Right Section

Test Date: 06-14-2012; Ambient Temp: 22.6°C; Tissue Temp: 22.2°C

Probe: ES3DV3 - SN3288; ConvF(5.16, 5.16, 5.16); Calibrated: 2/7/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 Left; Type: QD000P40CD; Serial: TP: 1687
Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.4 (4989)

**Mode: LTE Band 25, Right Head, Touch, High.ch**
**QPSK, 5 MHz Bandwidth, 1 RB, RB Offset 0**

**Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.182 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.0140
**SAR(1 g) = 0.623 mW/g; SAR(10 g) = 0.356 mW/g**




0 dB = 0.660mW/g = -3.61 dB mW/g

**DUT: A3LSPHL300; Type: Portable Handset; Serial:** 1206-7

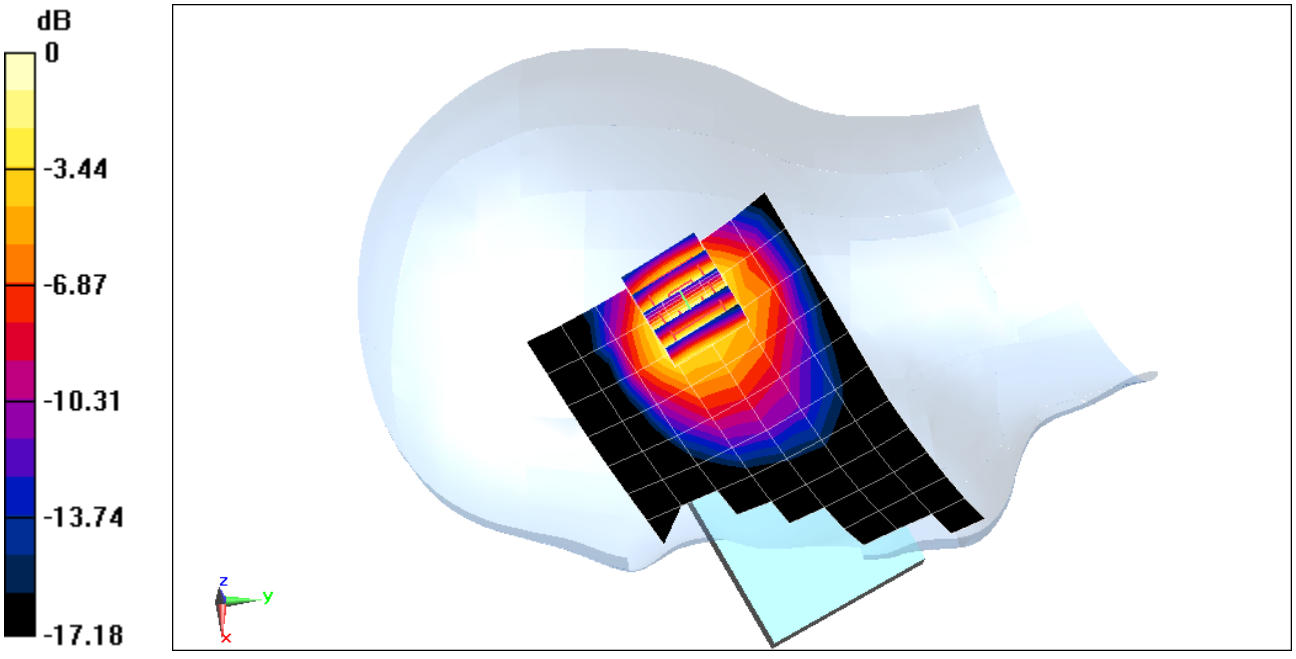
Communication System: LTE Band 25; Frequency: 1912.5 MHz;Duty Cycle: 1:1
Medium: 1900 Head Medium parameters used (interpolated):
$f = 1912.5$ MHz; $\sigma = 1.427$ mho/m; $\varepsilon_r = 38.13$; $\rho = 1000$ kg/m$^3$
Phantom section: Right Section

Test Date: 06-14-2012; Ambient Temp: 22.6°C; Tissue Temp: 22.2°C

Probe: ES3DV3 - SN3288; ConvF(5.16, 5.16, 5.16); Calibrated: 2/7/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 Left; Type: QD000P40CD; Serial: TP: 1687
Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.4 (4989)

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

**Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.221 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.3300
**SAR(1 g) = 0.828 mW/g; SAR(10 g) = 0.474 mW/g**




0 dB = 0.860mW/g = -1.31 dB mW/g

**DUT: A3LSPHL300; Type: Portable Handset; Serial:**1206-7

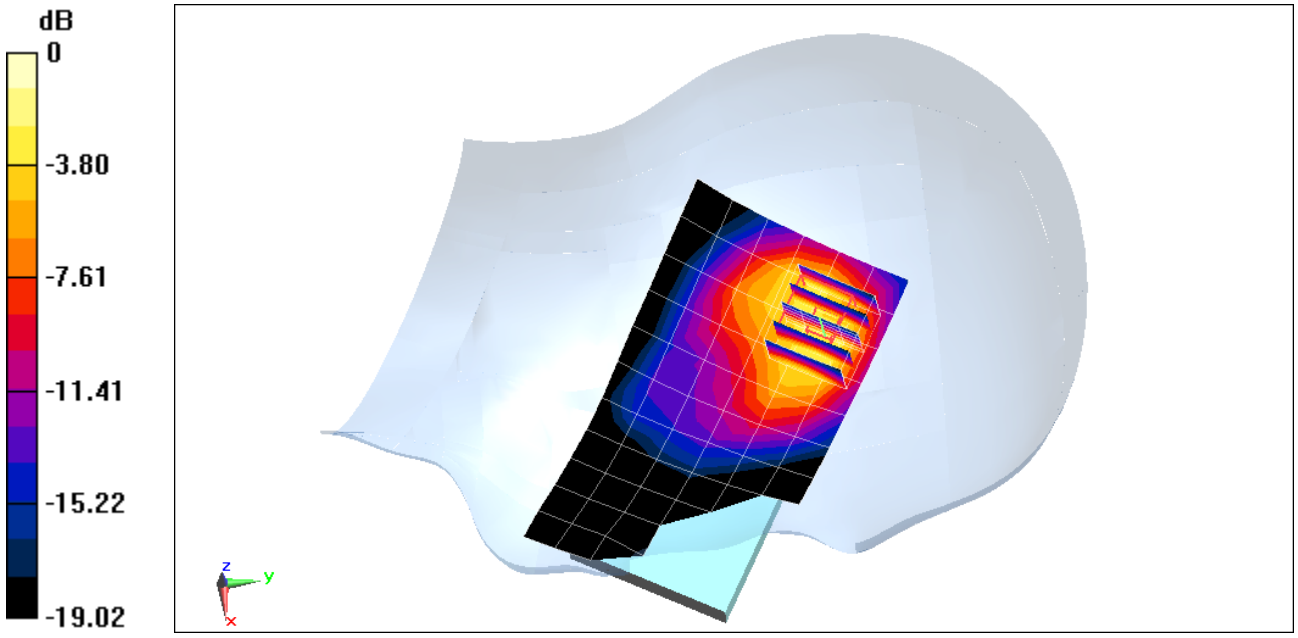
Communication System: LTE Band 25; Frequency: 1912.5 MHz;Duty Cycle: 1:1
Medium: 1900 Head Medium parameters used (interpolated):
$f = 1912.5$ MHz; $\sigma = 1.427$ mho/m; $\varepsilon_r = 38.13$; $\rho = 1000$ kg/m$^3$
Phantom section: Left Section

Test Date: 06-14-2012; Ambient Temp: 22.6°C; Tissue Temp: 22.2°C

Probe: ES3DV3 - SN3288; ConvF(5.16, 5.16, 5.16); Calibrated: 2/7/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 Left; Type: QD000P40CD; Serial: TP: 1687
Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.4 (4989)

**Mode: LTE Band 25, Left Head, Touch, High.ch**
**QPSK, 5 MHz Bandwidth, 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 = 22.201 V/m; Power Drift = 0.0047 dB
Peak SAR (extrapolated) = 1.7520
**SAR(1 g) = 0.831 mW/g; SAR(10 g) = 0.430 mW/g**




0 dB = 0.960mW/g = -0.35 dB mW/g

**DUT: A3LSPHL300; Type: Portable Handset; Serial:** 1206-7

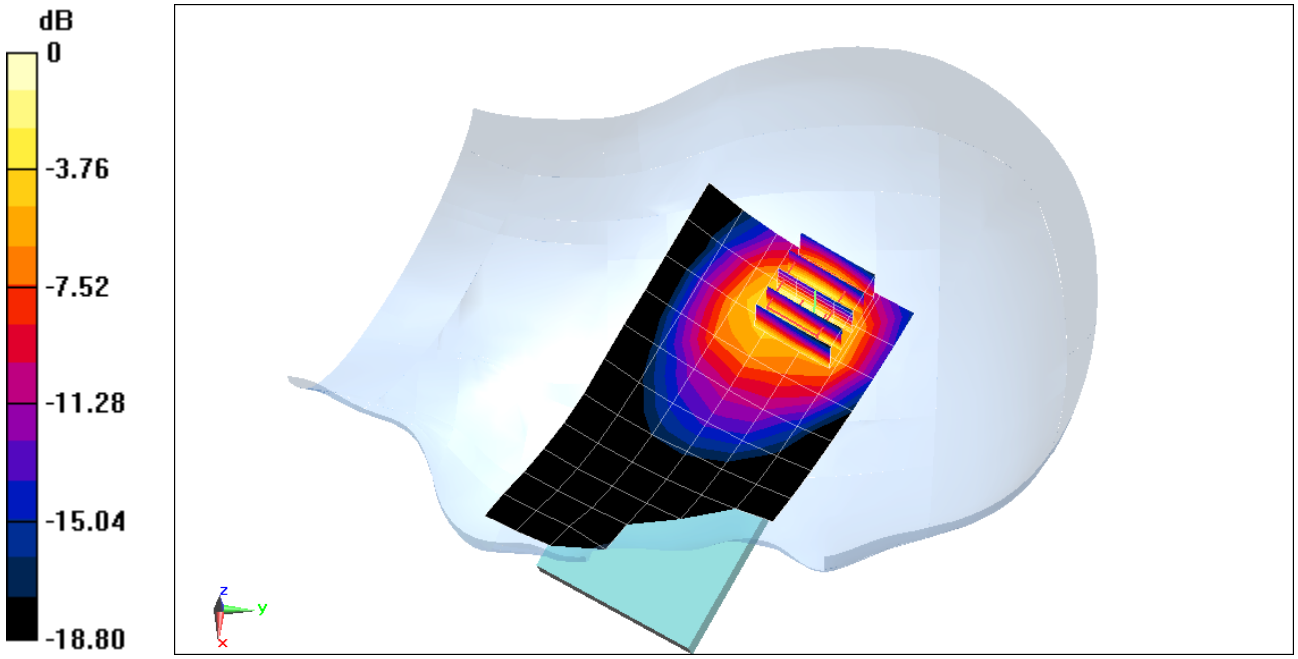
Communication System: LTE Band 25; Frequency: 1912.5 MHz;Duty Cycle: 1:1
Medium: 1900 Head Medium parameters used (interpolated):
$f = 1912.5$ MHz; $\sigma = 1.427$ mho/m; $\varepsilon_r = 38.13$; $\rho = 1000$ kg/m$^3$
Phantom section: Left Section

Test Date: 06-14-2012; Ambient Temp: 22.6°C; Tissue Temp: 22.2°C

Probe: ES3DV3 - SN3288; ConvF(5.16, 5.16, 5.16); Calibrated: 2/7/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn649; Calibrated: 2/20/2012
Phantom: SAM v5.0 Left; Type: QD000P40CD; Serial: TP: 1687
Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.4 (4989)

**Mode: LTE Band 25, Left Head, Tilt, High.ch**
**QPSK, 5 MHz Bandwidth, 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 = 24.511 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.7590
**SAR(1 g) = 0.911 mW/g; SAR(10 g) = 0.498 mW/g**




0 dB = 1.020mW/g = 0.17 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

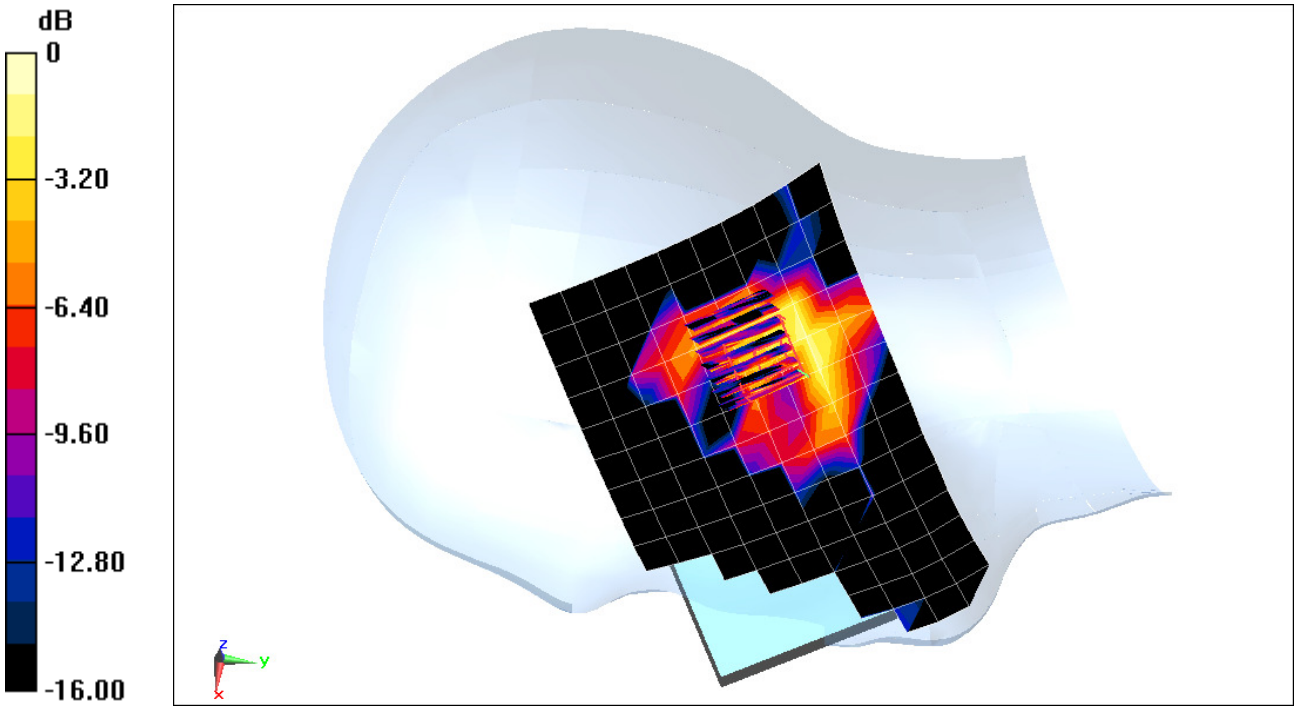
Communication System: IEEE 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: 2450 Brain Medium parameters used (interpolated):
f = 2412 MHz; $\sigma$ = 1.754 mho/m; $\varepsilon_r$ = 37.994; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

Test Date: 04-26-2012; Ambient Temp: 23.1°C; Tissue Temp: 21.4°C

Probe: ES3DV2 - SN3022; ConvF(4.3, 4.3, 4.3); Calibrated: 8/25/2011
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn859; Calibrated: 5/19/2011
Phantom: SAM with CRP; Type: SAM; Serial: TP1375
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.4 (4989)

## Mode: IEEE 802.11b, Right Head, Touch, Ch 01, 1 Mbps

**Area Scan (10x15x1):** Measurement grid: dx=12mm, dy=12mm
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.732 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.0210
**SAR(1 g) = 0.00372 mW/g; SAR(10 g) = 0.000807 mW/g**




0 dB = 0.0062mW/g = -44.15 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

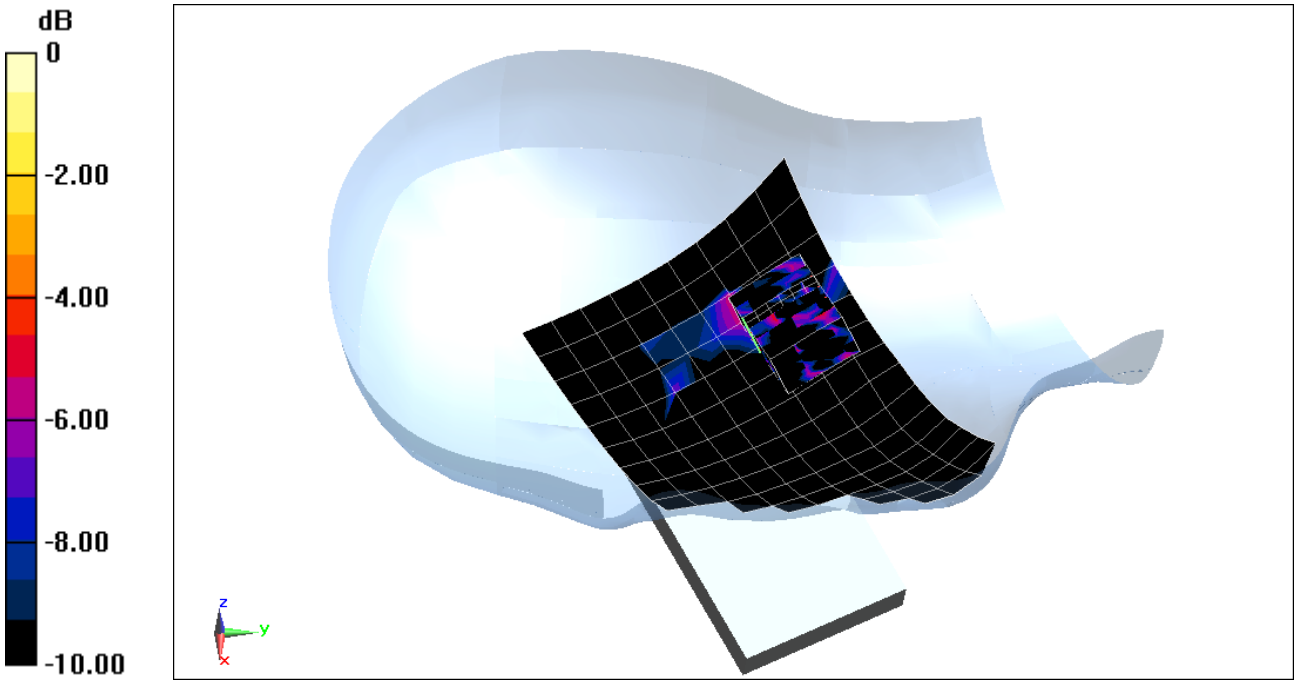
Communication System: 2.4GHz WLAN; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: 2450 Brain Medium parameters used (interpolated):
f = 2412 MHz; $\sigma$ = 1.754 mho/m; $\varepsilon_r$ = 37.994; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

Test Date: 04-26-2012; Ambient Temp: 23.1°C; Tissue Temp: 21.4°C

Probe: ES3DV2 - SN3022; ConvF(4.3, 4.3, 4.3); Calibrated: 8/25/2011
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn859; Calibrated: 5/19/2011
Phantom: SAM with CRP; Type: SAM; Serial: TP1375
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.4 (4989)

## Mode: IEEE 802.11b, Right Head, Tilt, Ch 01, 1 Mbps

**Area Scan (10x15x1):** Measurement grid: dx=12mm, dy=12mm
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.765 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.004960
**SAR(1 g) = 0.000102 mW/g; SAR(10 g) = 2.45e-005 mW/g**




0 dB = 0.005mW/g = -46.02 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

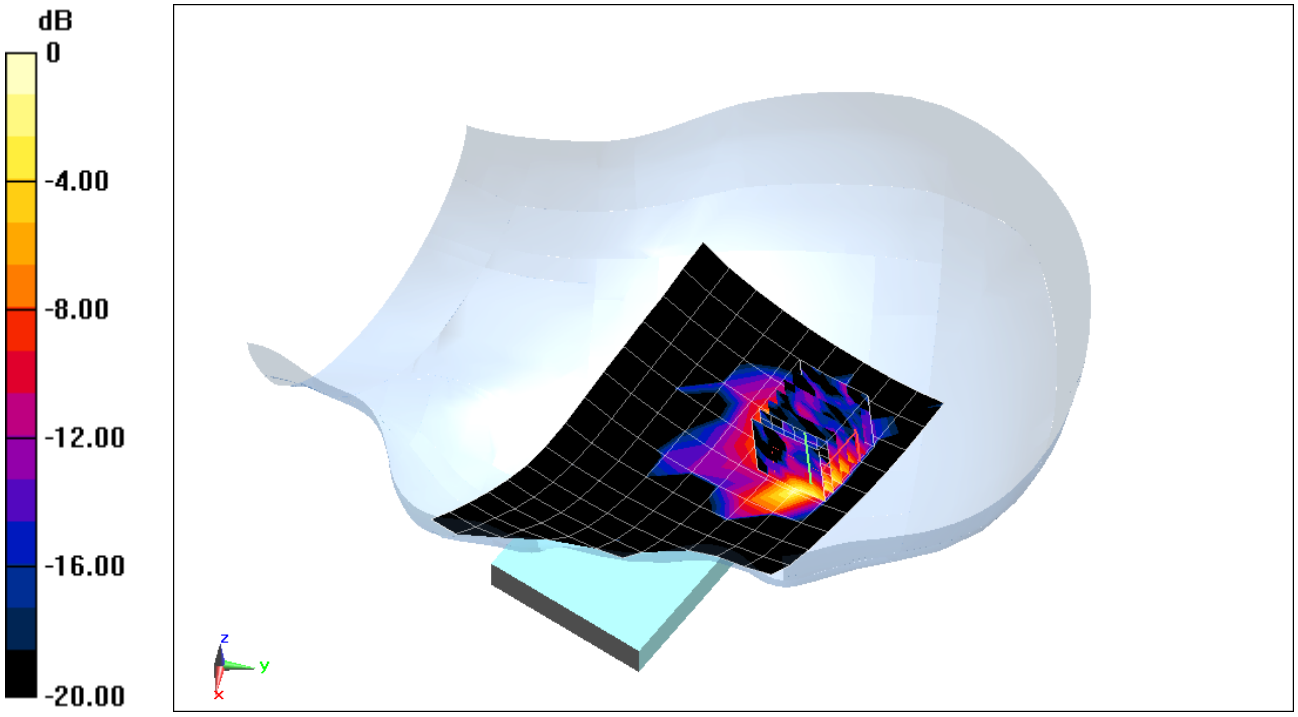
Communication System: IEEE 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: 2450 Brain Medium parameters used (interpolated):
f = 2412 MHz; $\sigma$ = 1.754 mho/m; $\varepsilon_r$ = 37.994; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section

Test Date: 04-26-2012; Ambient Temp: 23.1°C; Tissue Temp: 21.4°C

Probe: ES3DV2 - SN3022; ConvF(4.3, 4.3, 4.3); Calibrated: 8/25/2011
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn859; Calibrated: 5/19/2011
Phantom: SAM with CRP; Type: SAM; Serial: TP1375
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.4 (4989)

## Mode: IEEE 802.11b, Left Head, Touch, Ch 01, 1 Mbps

**Area Scan (10x15x1):** Measurement grid: dx=12mm, dy=12mm
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.773 V/m; Power Drift = 0.053 dB
Peak SAR (extrapolated) = 0.0220
**SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00387 mW/g**




0 dB = 0.020mW/g = -33.98 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

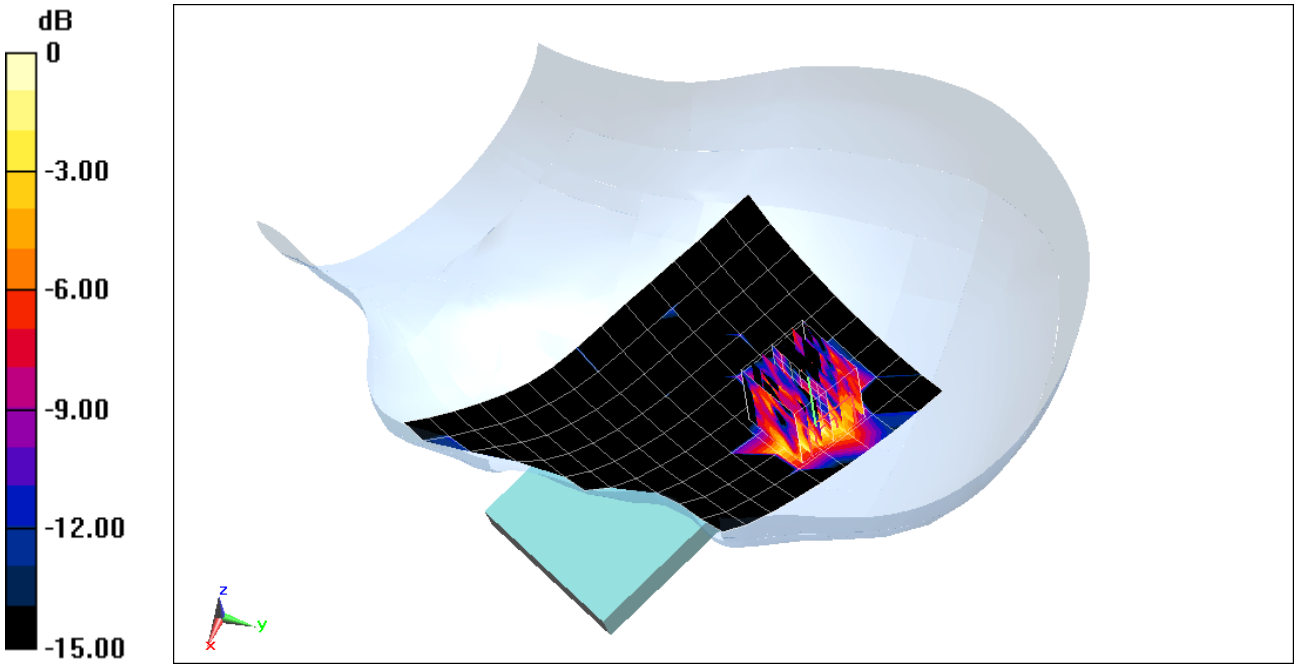
Communication System: 2.4GHz WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: 2450 Brain Medium parameters used (interpolated):
f = 2412 MHz; $\sigma$ = 1.754 mho/m; $\varepsilon_r$ = 37.994; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section

Test Date: 04-26-2012; Ambient Temp: 23.1°C; Tissue Temp: 21.4°C

Probe: ES3DV2 - SN3022; ConvF(4.3, 4.3, 4.3); Calibrated: 8/25/2011
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn859; Calibrated: 5/19/2011
Phantom: SAM with CRP; Type: SAM; Serial: TP1375
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.4 (4989)

## Mode: IEEE 802.11b, Left Head, Tilt, Ch 01, 1 Mbps

**Area Scan (10x15x1):** Measurement grid: dx=12mm, dy=12mm
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.429 V/m; Power Drift = -0.027 dB
Peak SAR (extrapolated) = 0.0150
**SAR(1 g) = 0.00327 mW/g; SAR(10 g) = 0.00122 mW/g**




0 dB = 0.0046mW/g = -46.74 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 68**

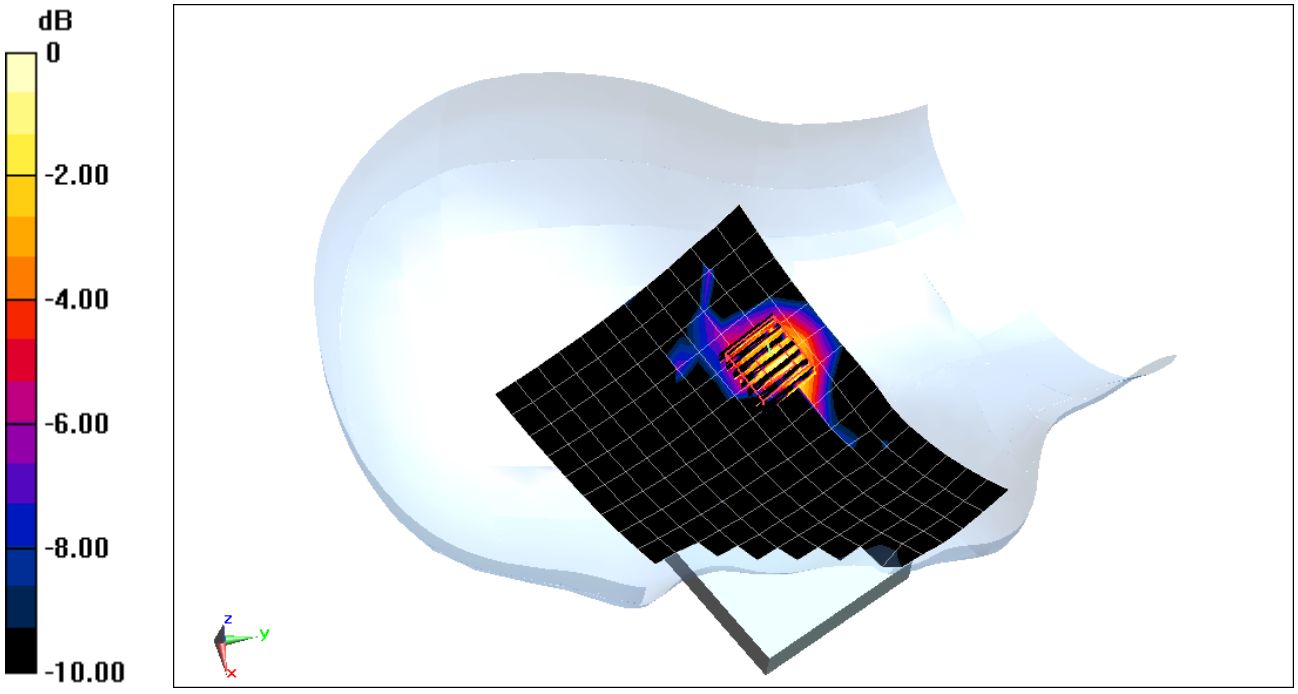
Communication System: IEEE 802.11a 5.2-5.8 GHz Band; Frequency: 5785 MHz;Duty Cycle: 1:1
Medium: 5 GHz Head Medium parameters used:
f =5785 MHz; $\sigma$ = 5.052 mho/m; $\varepsilon_r$ = 34.41; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

Test Date: 04-30-2012; Ambient Temp: 22.1°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3589; ConvF(4.05, 4.05, 4.05); 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: DASY5, Version 5.0 (125);SEMCAD X Version 14.6.4 (4989)

## Mode: IEEE 802.11a 5.8 GHz, Right Head, Touch, Ch 157, 6 Mbps

**Area Scan (12x16x1):** Measurement grid: dx=10mm, dy=10mm
**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.309 V/m; Power Drift = 0.030 dB
Peak SAR (extrapolated) = 0.5290
**SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.021 mW/g**




0 dB = 0.150mW/g = -16.48 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 68**

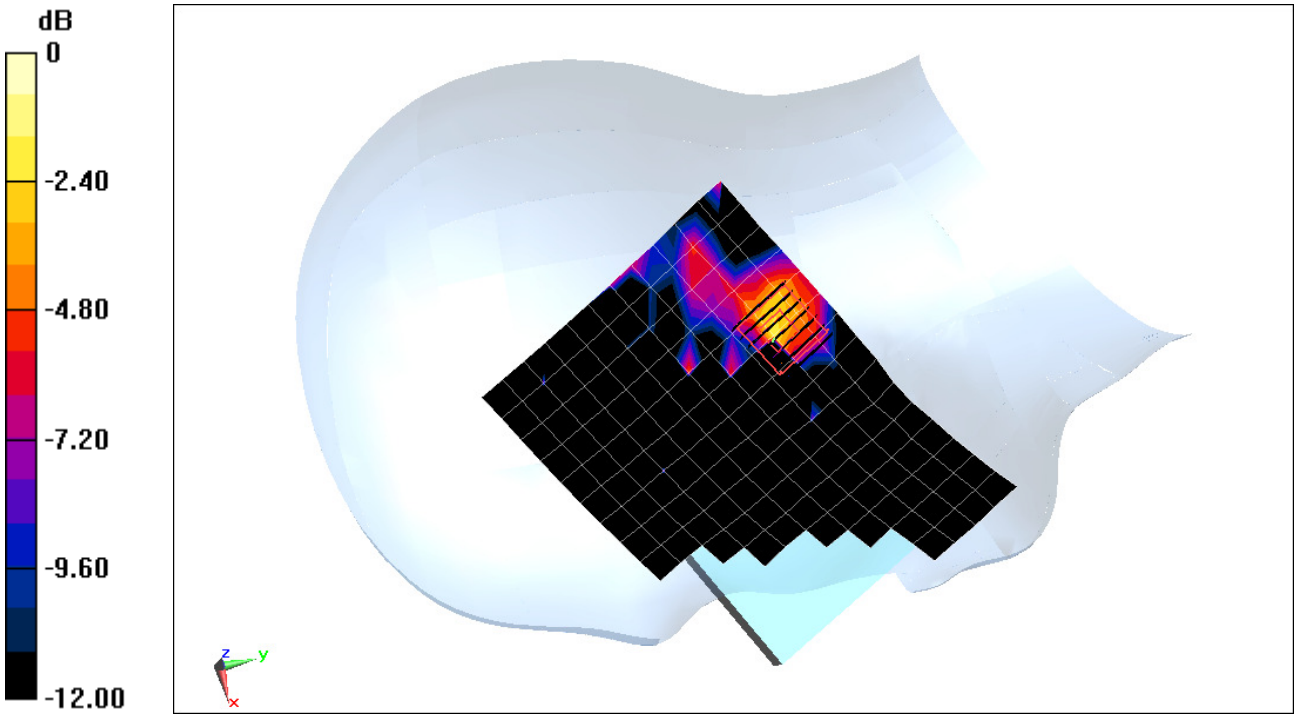
Communication System: IEEE 802.11a 5.2-5.8 GHz Band; Frequency: 5785 MHz;Duty Cycle: 1:1
Medium: 5 GHz Head Medium parameters used:
f = 5785 MHz; $\sigma$ = 5.052 mho/m; $\varepsilon_r$ = 34.41; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

Test Date: 04-30-2012; Ambient Temp: 22.1°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3589; ConvF(4.05, 4.05, 4.05); 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: DASY5, Version 5.0 (125);SEMCAD X Version 14.6.4 (4989)

## Mode: IEEE 802.11a 5.8 GHz, Right Head, Tilt, Ch 157, 6 Mbps

**Area Scan (12x16x1):** Measurement grid: dx=10mm, dy=10mm
**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.076 V/m; Power Drift = 0.174 dB
Peak SAR (extrapolated) = 0.6610
**SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.015 mW/g**




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

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 68**

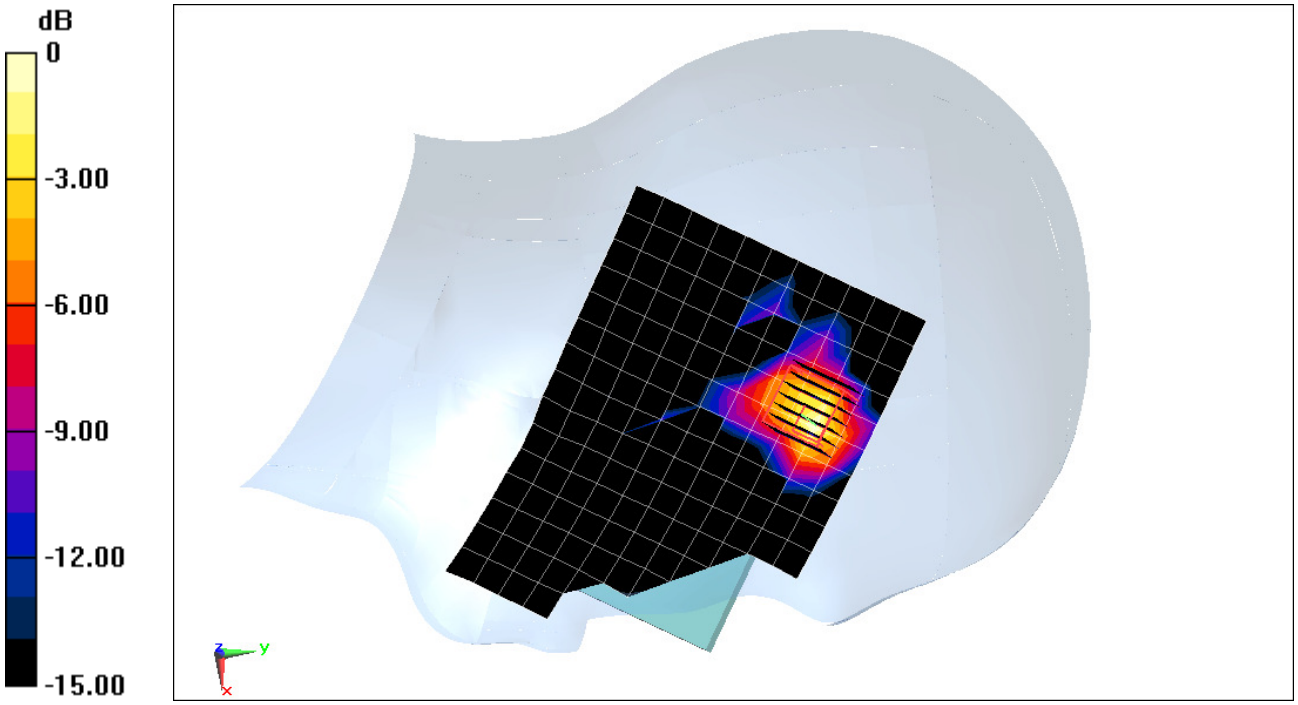
Communication System: IEEE 802.11a 5.2-5.8 GHz Band; Frequency: 5785 MHz;Duty Cycle: 1:1
Medium: 5 GHz Head Medium parameters used:
f = 5785 MHz; $\sigma$ = 5.052 mho/m; $\varepsilon_r$ = 34.41; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section

Test Date: 04-30-2012; Ambient Temp: 22.1°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3589; ConvF(4.05, 4.05, 4.05); 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: DASY5, Version 5.0 (125);SEMCAD X Version 14.6.4 (4989)

## Mode: IEEE 802.11a, 5.8 GHz Left Head, Touch, Ch 157, 6 Mbps

**Area Scan (12x16x1):** Measurement grid: dx=10mm, dy=10mm
**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 6.459 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.7980
**SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.058 mW/g**




0 dB = 0.470mW/g = -6.56 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 68**

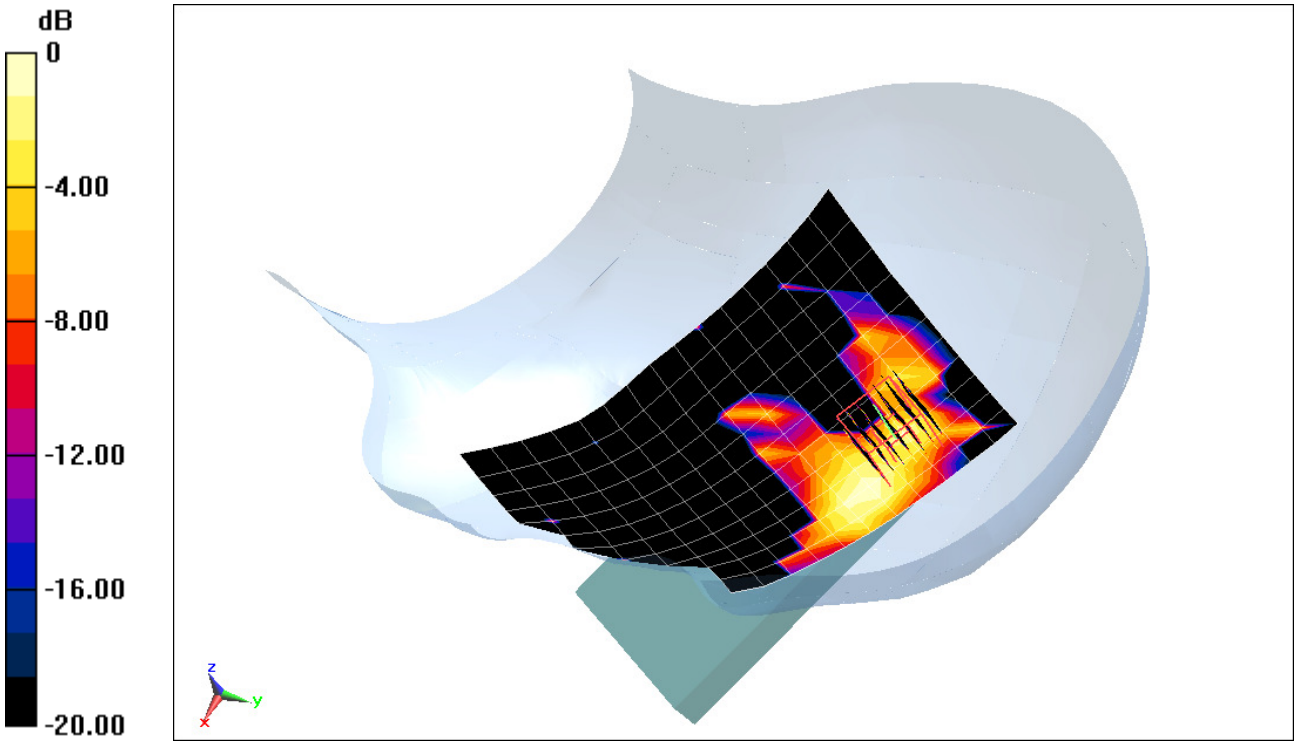
Communication System: IEEE 802.11a 5.2-5.8 GHz Band; Frequency: 5785 MHz;Duty Cycle: 1:1
Medium: 5 GHz Head Medium parameters used:
f = 5785 MHz; $\sigma$ = 5.052 mho/m; $\varepsilon_r$ = 34.41; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section

Test Date: 04-30-2012; Ambient Temp: 22.1°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3589; ConvF(4.05, 4.05, 4.05); 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: DASY5, Version 5.0 (125);SEMCAD X Version 14.6.4 (4989)

## Mode: IEEE 802.11a, 5.8 GHz Left Head, Tilt, Ch 157, 6 Mbps

**Area Scan (12x16x1):** Measurement grid: dx=10mm, dy=10mm
**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.507 V/m; Power Drift = 0.122 dB
Peak SAR (extrapolated) = 0.2690
**SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.008 mW/g**




0 dB = 0.120mW/g = -18.42 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

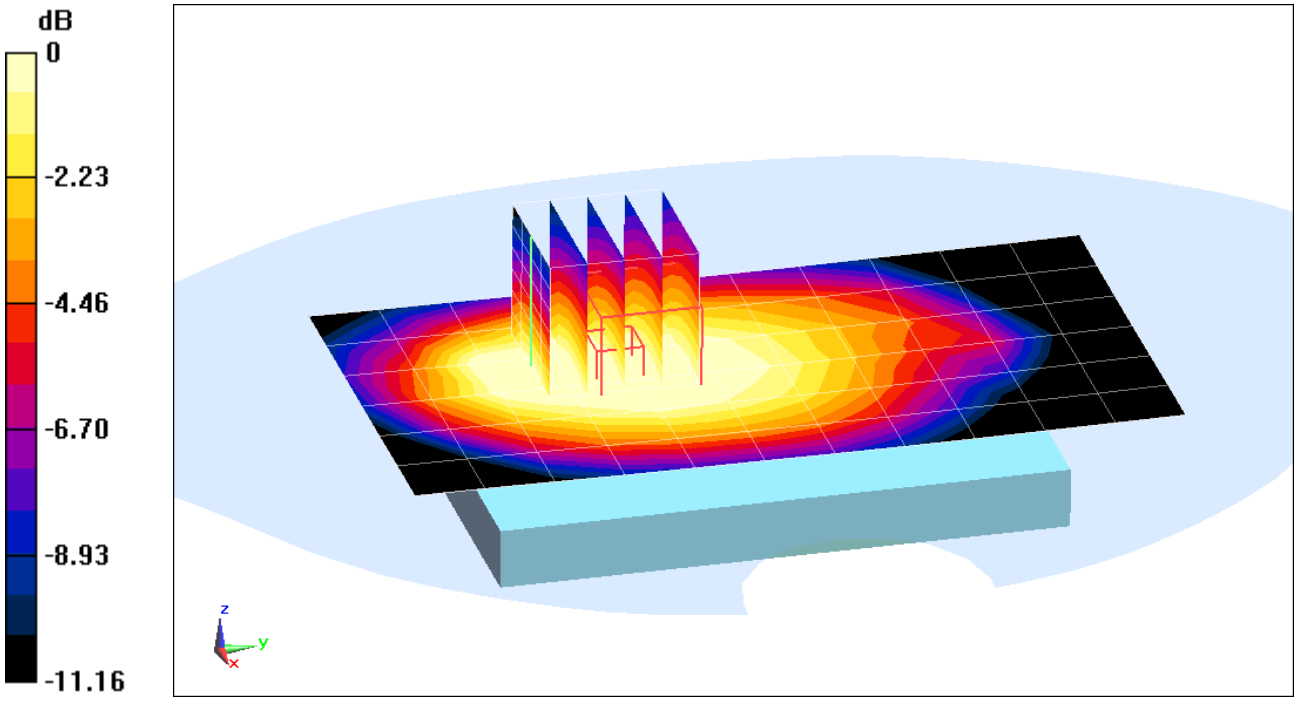
Communication System: Cellular CDMA; Frequency: 820.1 MHz; Duty Cycle: 1:1
Medium: 835 Body Medium parameters used (interpolated):
$f = 820.1$ MHz; $\sigma = 0.971$ mho/m; $\varepsilon_r = 52.709$; $\rho = 1000$ kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04-25-2012; Ambient Temp: 23.7°C; Tissue Temp: 22.2°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 14.6.4 (4989)

**Mode: Cell. CDMA - 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 = 26.720 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.8430
**SAR(1 g) = 0.587 mW/g; SAR(10 g) = 0.427 mW/g**




0 dB = 0.620mW/g = -4.15 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

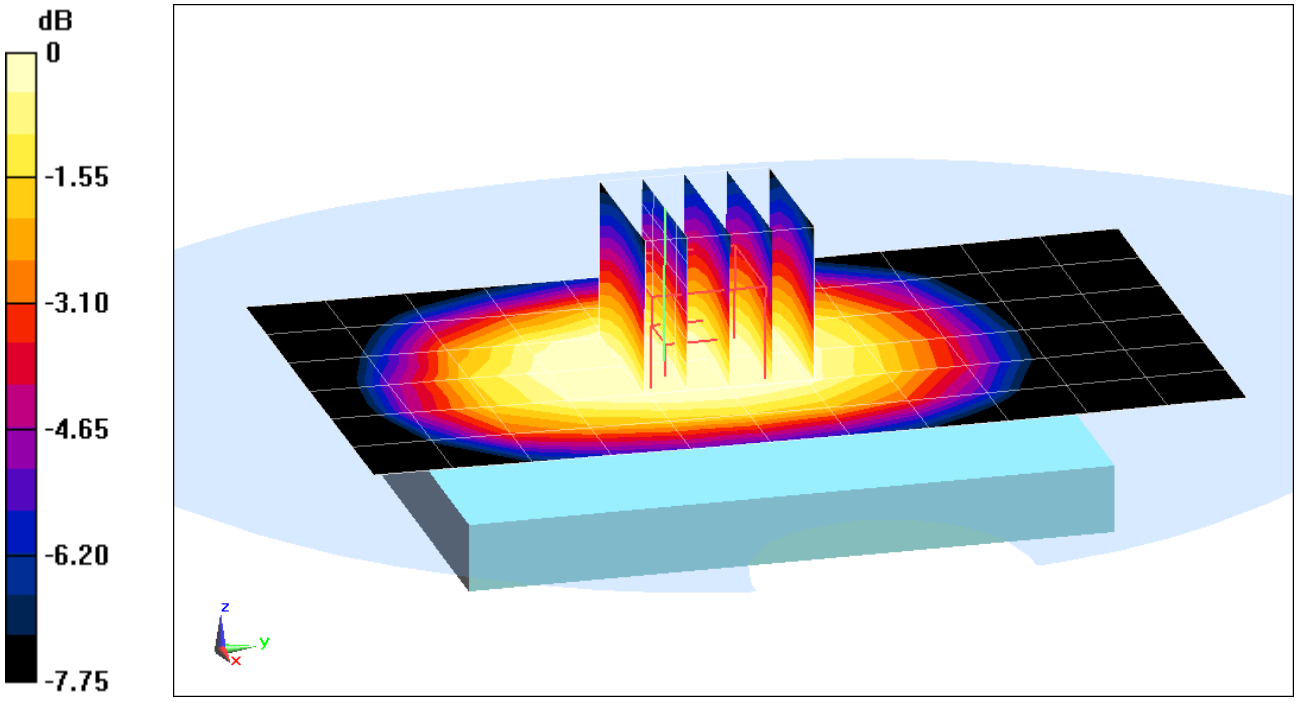
Communication System: Cellular CDMA; Frequency: 820.1 MHz; Duty Cycle: 1:1
Medium: 835 Body Medium parameters used (interpolated):
$f = 820.1$ MHz; $\sigma = 0.971$ mho/m; $\varepsilon_r = 52.709$; $\rho = 1000$ kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04-25-2012; Ambient Temp: 23.7°C; Tissue Temp: 22.2°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 14.6.4 (4989)

**Mode: Cell. 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 = 28.655 V/m; Power Drift = -0.0071 dB
Peak SAR (extrapolated) = 0.8310
**SAR(1 g) = 0.677 mW/g; SAR(10 g) = 0.526 mW/g**




0 dB = 0.710mW/g = -2.97 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

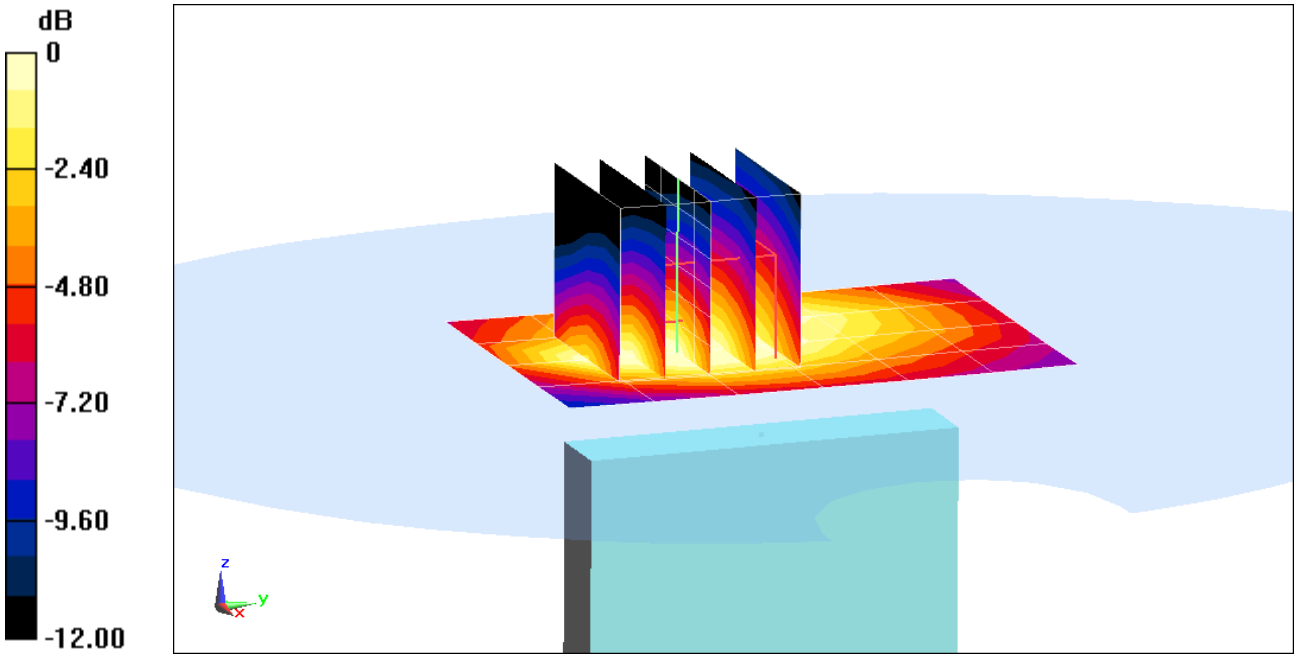
Communication System: Cellular CDMA; Frequency: 820.1 MHz; Duty Cycle: 1:1
Medium: 835 Body Medium parameters used (interpolated):
$f = 820.1$ MHz; $\sigma = 0.971$ mho/m; $\varepsilon_r = 52.709$; $\rho = 1000$ kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04-25-2012; Ambient Temp: 23.7°C; Tissue Temp: 22.2°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 14.6.4 (4989)

**Mode: Cell. CDMA - FCC Rule Part 90S, Body SAR, Bottom Edge, Mid.ch**

**Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.511 V/m; Power Drift = -0.0036 dB
Peak SAR (extrapolated) = 0.2600
**SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.073 mW/g**




0 dB = 0.140mW/g = -17.08 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

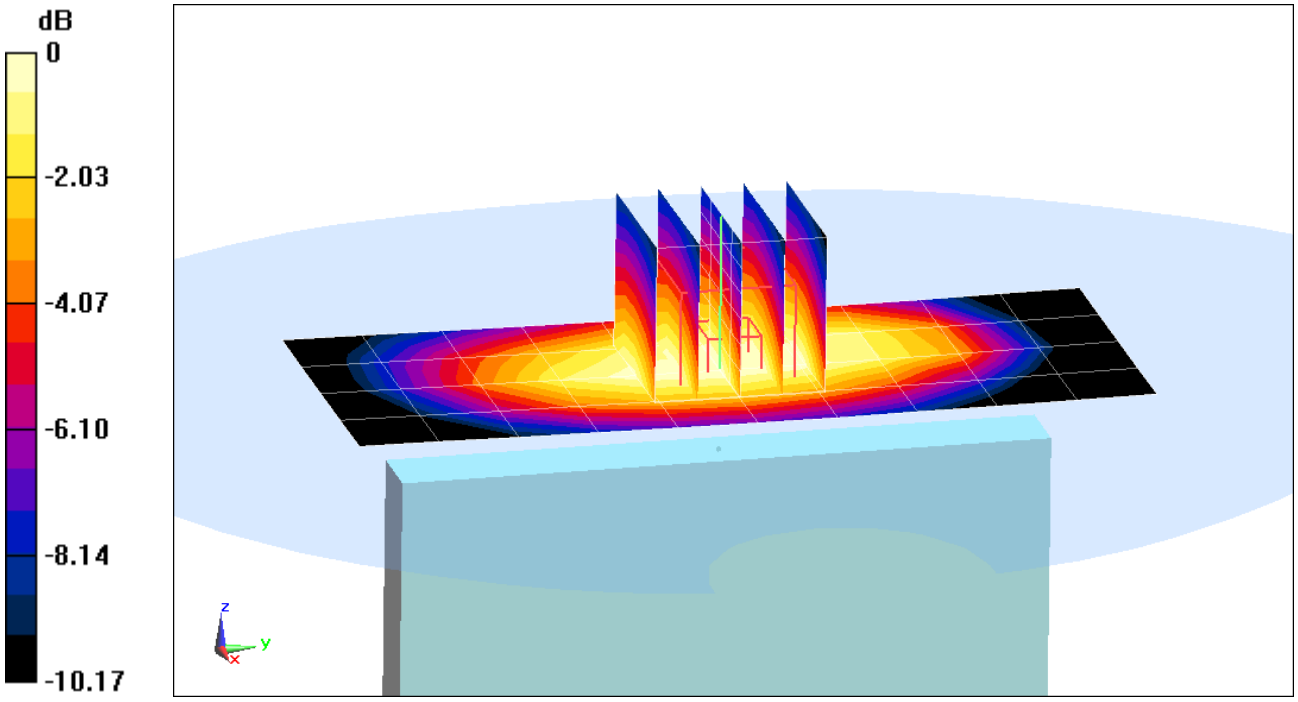
Communication System: Cellular CDMA; Frequency: 820.1 MHz;Duty Cycle: 1:1
Medium: 835 Body Medium parameters used (interpolated):
$f = 820.1$ MHz; $\sigma = 0.971$ mho/m; $\varepsilon_r = 52.709$; $\rho = 1000$ kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04-25-2012; Ambient Temp: 23.7°C; Tissue Temp: 22.2°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 14.6.4 (4989)

**Mode: Cell. CDMA - FCC Rule Part 90S, Body SAR, Right Edge, Mid.ch**

**Area Scan (5x11x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.456 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.0630
**SAR(1 g) = 0.756 mW/g; SAR(10 g) = 0.519 mW/g**




0 dB = 0.780mW/g = -2.16 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 52**

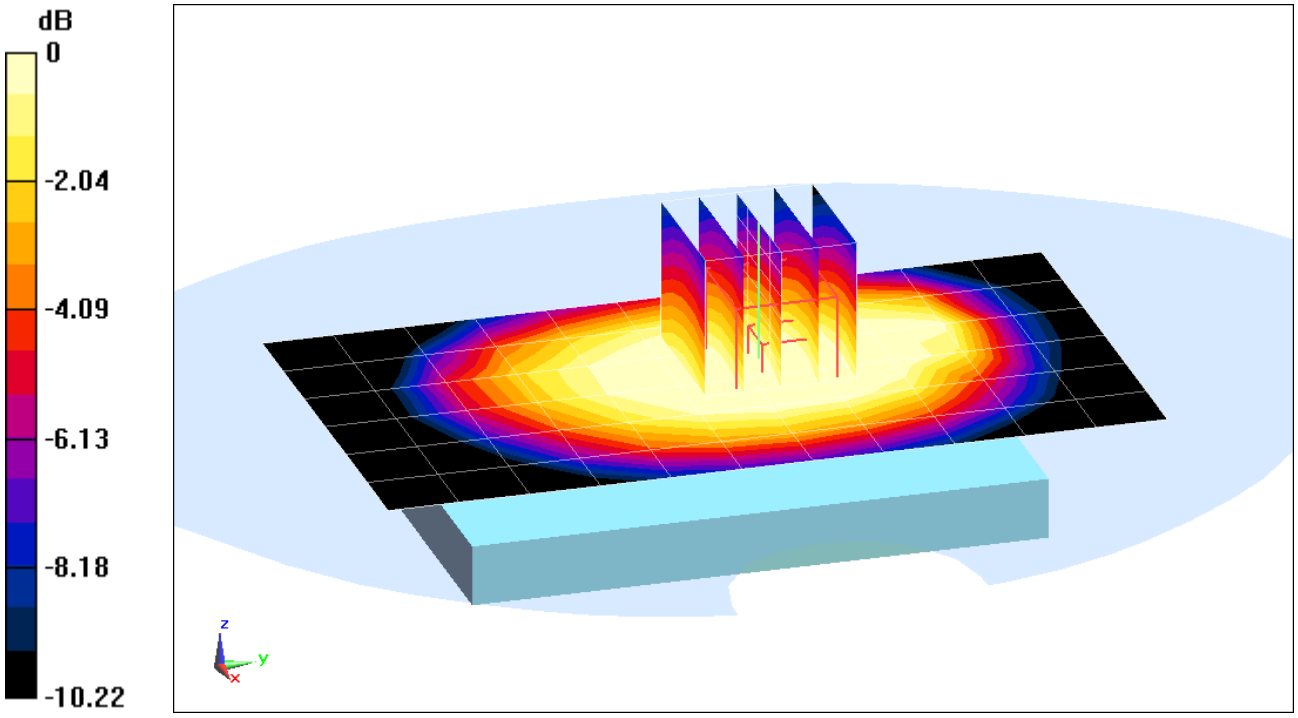
Communication System: CDMA; Frequency: 820.1 MHz; Duty Cycle: 1:1
Medium: 835 Body Medium parameters used (interpolated):
$f = 820.1$ MHz; $\sigma = 0.997$ mho/m; $\varepsilon_r = 53.719$; $\rho = 1000$ kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05-03-2012; Ambient Temp: 23.0°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN3561; ConvF(8.25, 8.25, 8.25); Calibrated: 7/27/2011
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 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: Cell. 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 = 18.212 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.4130
**SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.230 mW/g**




0 dB = 0.330mW/g = -9.63 dB mW/g

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 52**

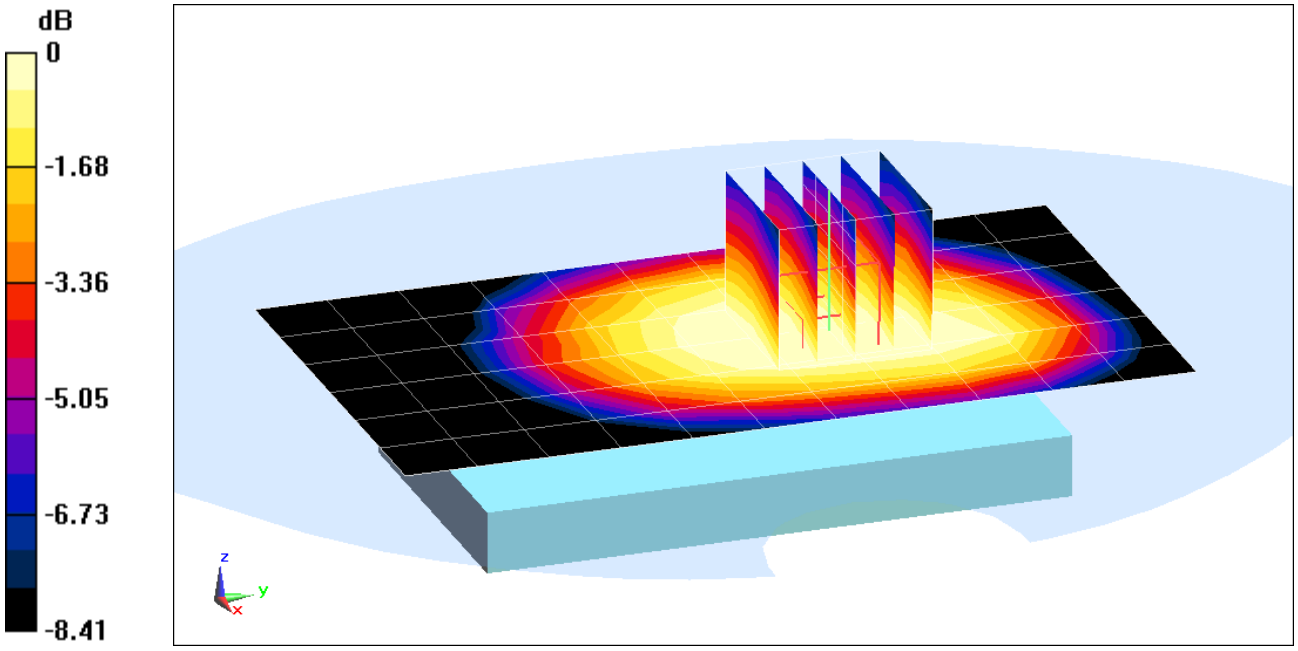
Communication System: CDMA; Frequency: 820.1 MHz;Duty Cycle: 1:1
Medium: 835 Body Medium parameters used (interpolated):
f = 820.1 MHz; $\sigma$ = 0.997 mho/m; $\varepsilon_r$ = 53.719; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05-03-2012; Ambient Temp: 23.0°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN3561; ConvF(8.25, 8.25, 8.25); Calibrated: 7/27/2011
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 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: Cell. EVDO, Rev.0 - 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 = 9.199 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.1020
**SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.061 mW/g**




0 dB = 0.080mW/g = -21.94 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 52**

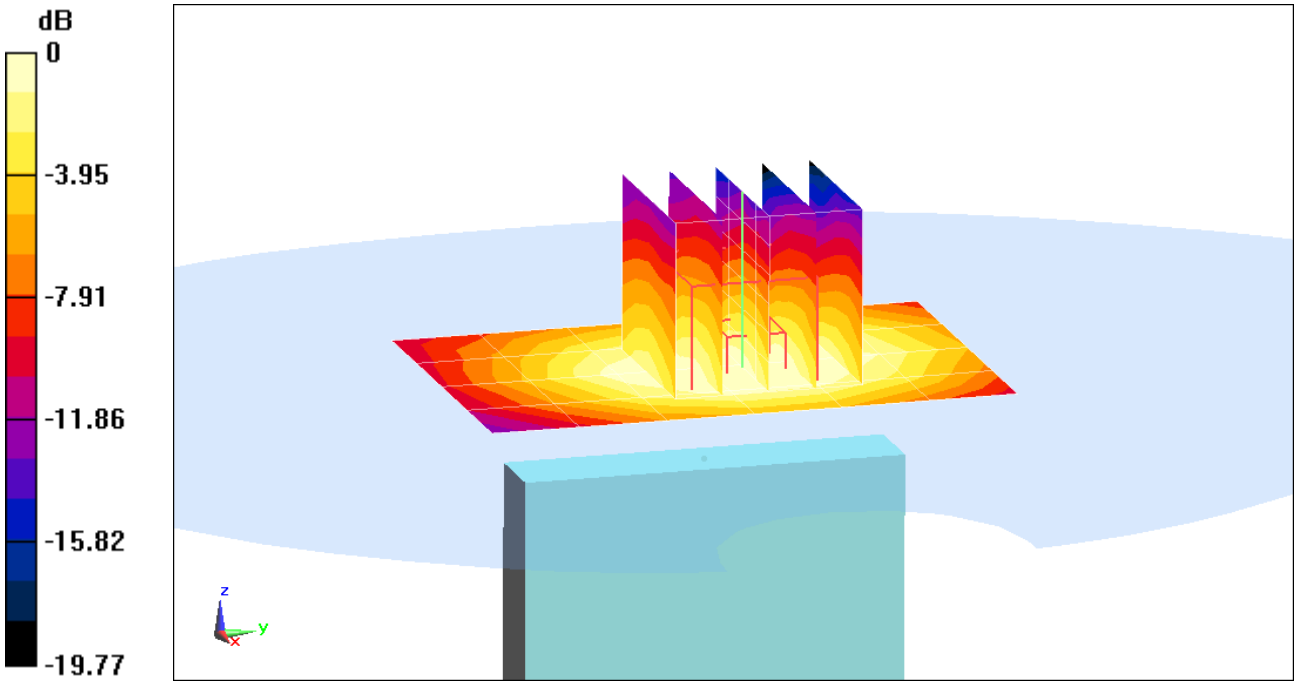
Communication System: CDMA; Frequency: 820.1 MHz; Duty Cycle: 1:1
Medium: 835 Body Medium parameters used (interpolated):
f = 820.1 MHz; $\sigma$ = 0.997 mho/m; $\varepsilon_r$ = 53.719; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05-03-2012; Ambient Temp: 23.0°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN3561; ConvF(8.25, 8.25, 8.25); Calibrated: 7/27/2011
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 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: Cell. EVDO, Rev.0 - FCC Rule part 90S, Body SAR, Top Edge, Mid.ch**

**Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.615 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.0960
**SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.032 mW/g**




0 dB = 0.060mW/g = -24.44 dB mW/g

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 52**

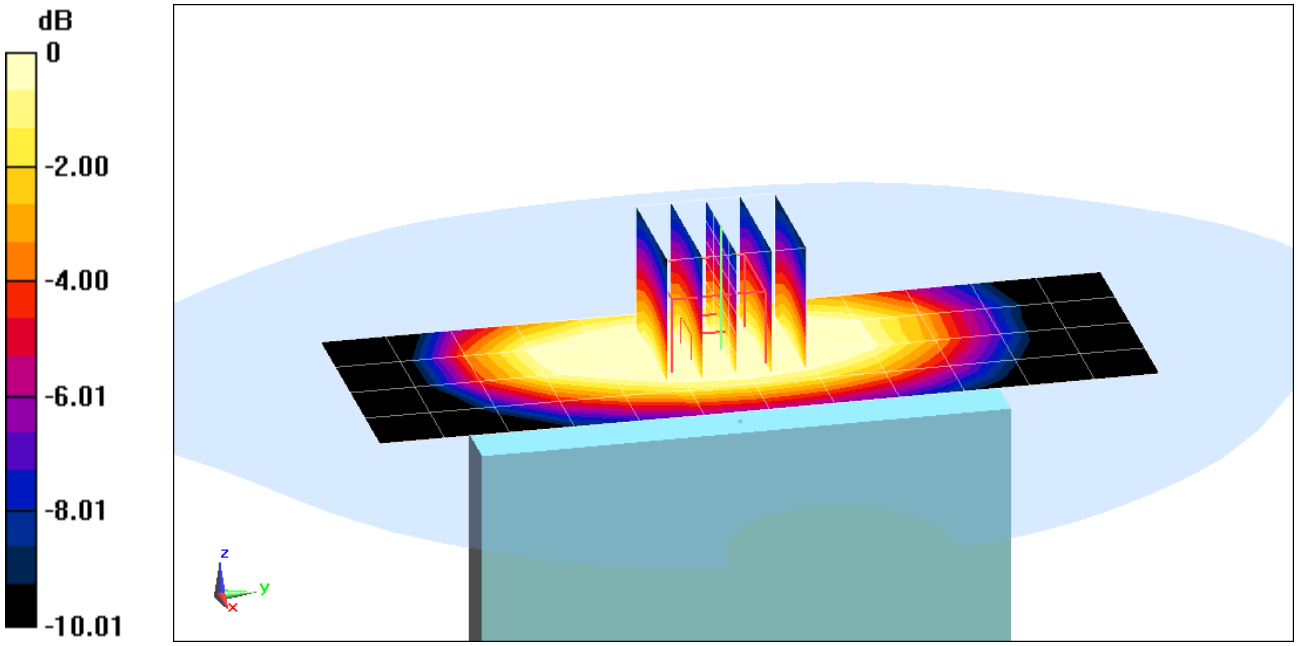
Communication System: CDMA; Frequency: 820.1 MHz; Duty Cycle: 1:1
Medium: 835 Body Medium parameters used (interpolated):
f = 820.1 MHz; $\sigma$ = 0.997 mho/m; $\varepsilon_r$ = 53.719; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05-03-2012; Ambient Temp: 23.0°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN3561; ConvF(8.25, 8.25, 8.25); Calibrated: 7/27/2011
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 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: Cell. EVDO, Rev.0 - FCC Rule part 90S, Body SAR, Right Edge, Mid.ch**

**Area Scan (5x13x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.205 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.1900
**SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.092 mW/g**




0 dB = 0.140mW/g = -17.08 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

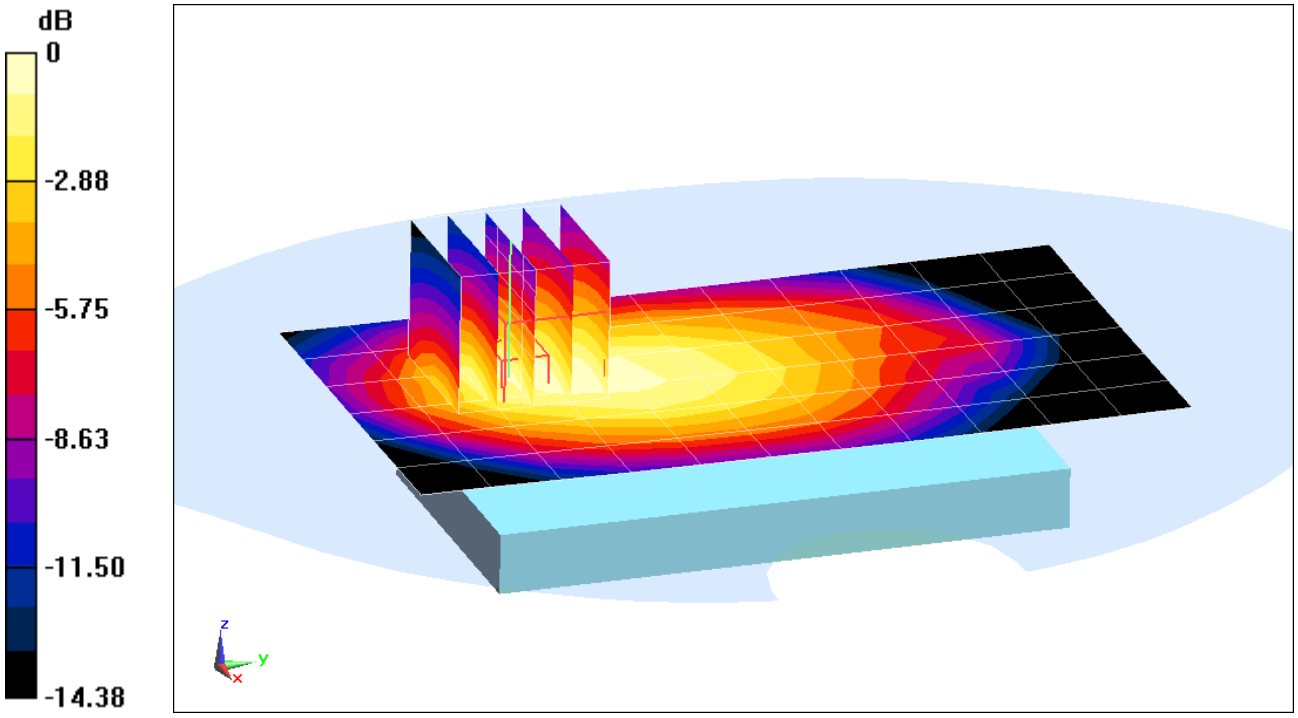
Communication System: Cellular CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: 835 Body Medium parameters used (interpolated):
$f = 836.52$ MHz; $\sigma = 0.988$ mho/m; $\varepsilon_r = 52.566$; $\rho = 1000$ kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04-25-2012; Ambient Temp: 23.7°C; Tissue Temp: 22.2°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 14.6.4 (4989)

**Mode: Cell. CDMA - 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 = 31.011 V/m; Power Drift = 0.0069 dB
Peak SAR (extrapolated) = 1.2490
**SAR(1 g) = 0.810 mW/g; SAR(10 g) = 0.537 mW/g**




0 dB = 0.880mW/g = -1.11 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

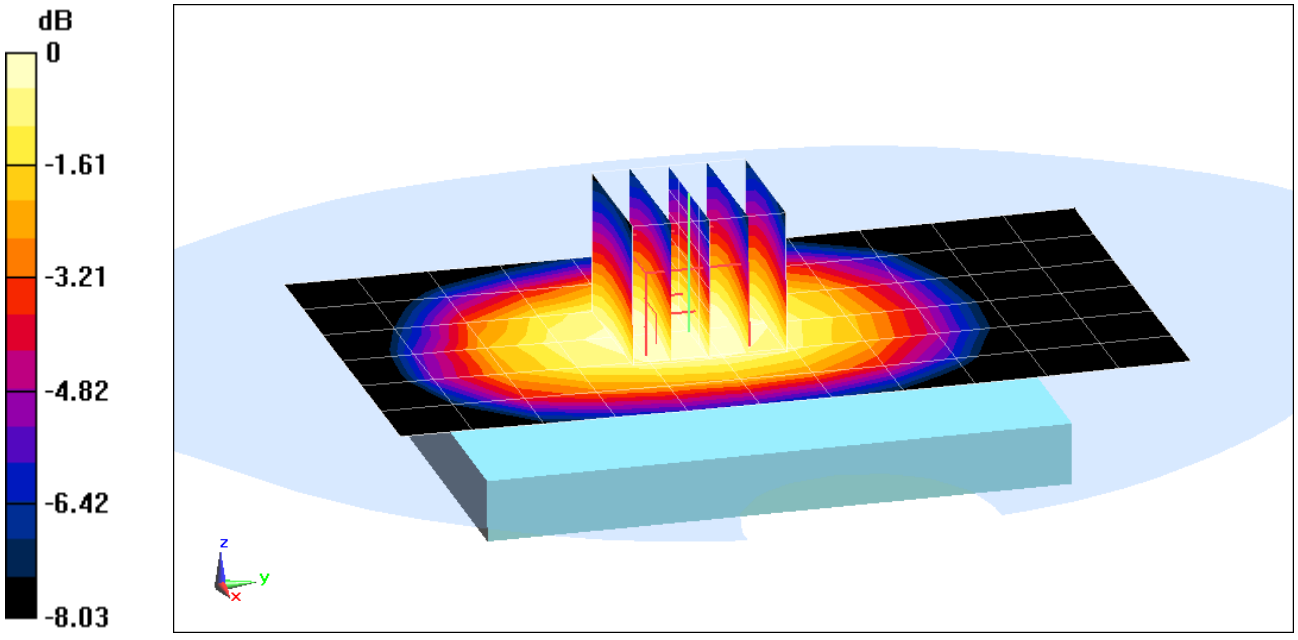
Communication System: Cellular CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: 835 Body Medium parameters used (interpolated):
f = 836.52 MHz; $\sigma$ = 0.988 mho/m; $\varepsilon_r$ = 52.566; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04-25-2012; Ambient Temp: 23.7°C; Tissue Temp: 22.2°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 14.6.4 (4989)

**Mode: Cell. CDMA - 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 = 30.518 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.9640
**SAR(1 g) = 0.790 mW/g; SAR(10 g) = 0.610 mW/g**




0 dB = 0.820mW/g = -1.72 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

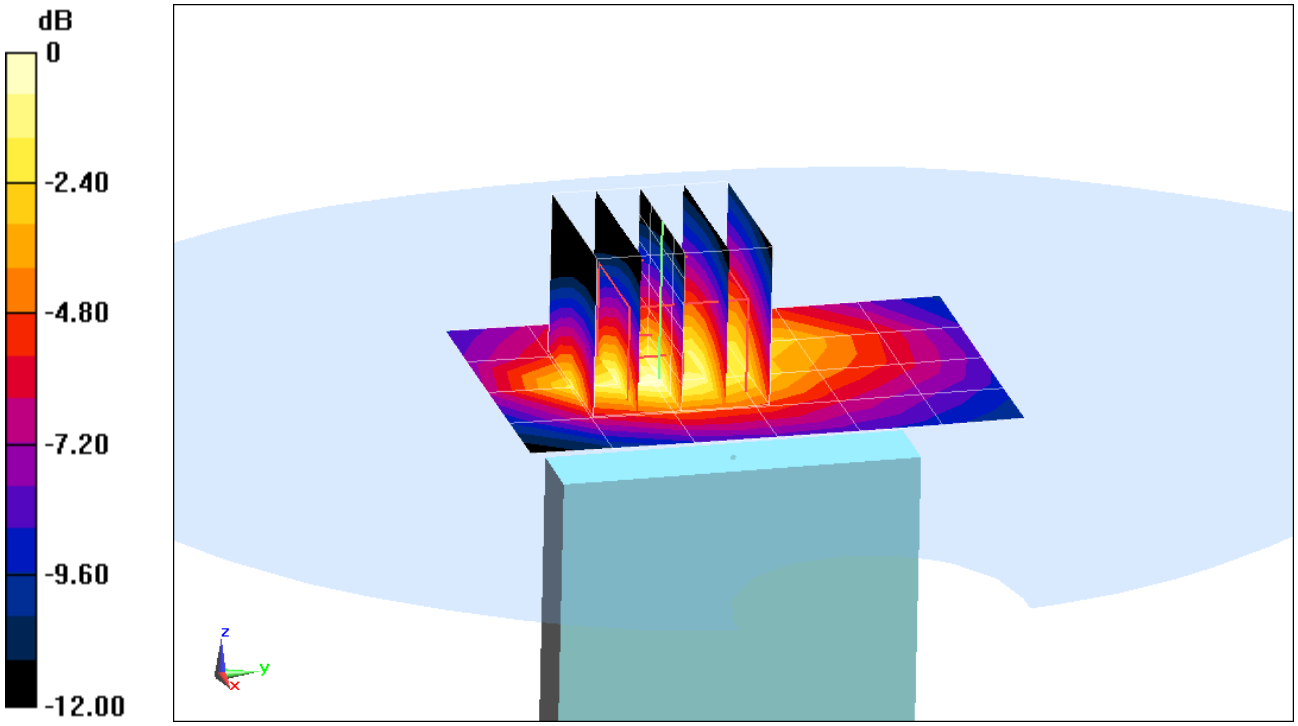
Communication System: Cellular CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: 835 Body Medium parameters used (interpolated):
f = 836.52 MHz; $\sigma$ = 0.988 mho/m; $\varepsilon_r$ = 52.566; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04-25-2012; Ambient Temp: 23.7°C; Tissue Temp: 22.2°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 14.6.4 (4989)

**Mode: Cell. CDMA - FCC Rule part 22H, Body SAR, Bottom Edge, Mid.ch**

**Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.084 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.4270
**SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.119 mW/g**




0 dB = 0.240mW/g = -12.40 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

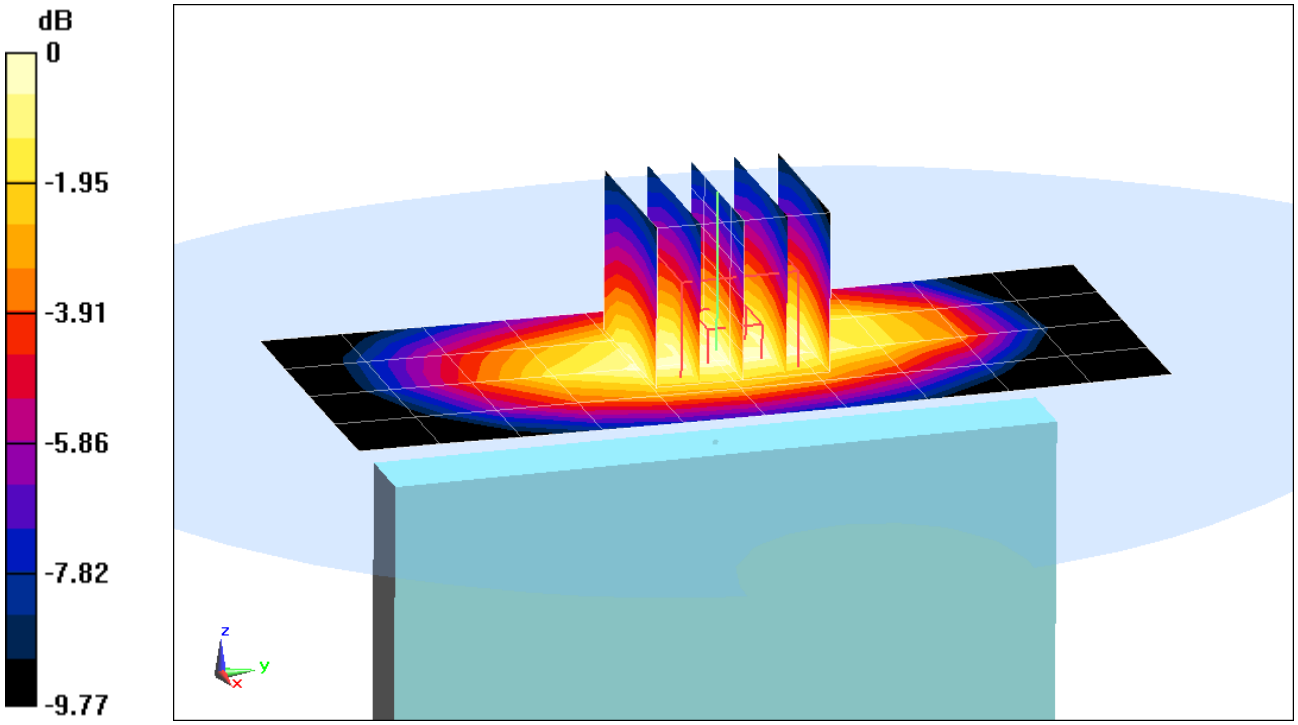
Communication System: Cellular CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: 835 Body Medium parameters used (interpolated):
f = 836.52 MHz; $\sigma$ = 0.988 mho/m; $\varepsilon_r$ = 52.566; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04-25-2012; Ambient Temp: 23.7°C; Tissue Temp: 22.2°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 14.6.4 (4989)

**Mode: Cell. CDMA - FCC Rule part 22H, Body SAR, Right Edge, Mid.ch**

**Area Scan (5x11x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.543 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.0740
**SAR(1 g) = 0.774 mW/g; SAR(10 g) = 0.534 mW/g**




0 dB = 0.830mW/g = -1.62 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 52**

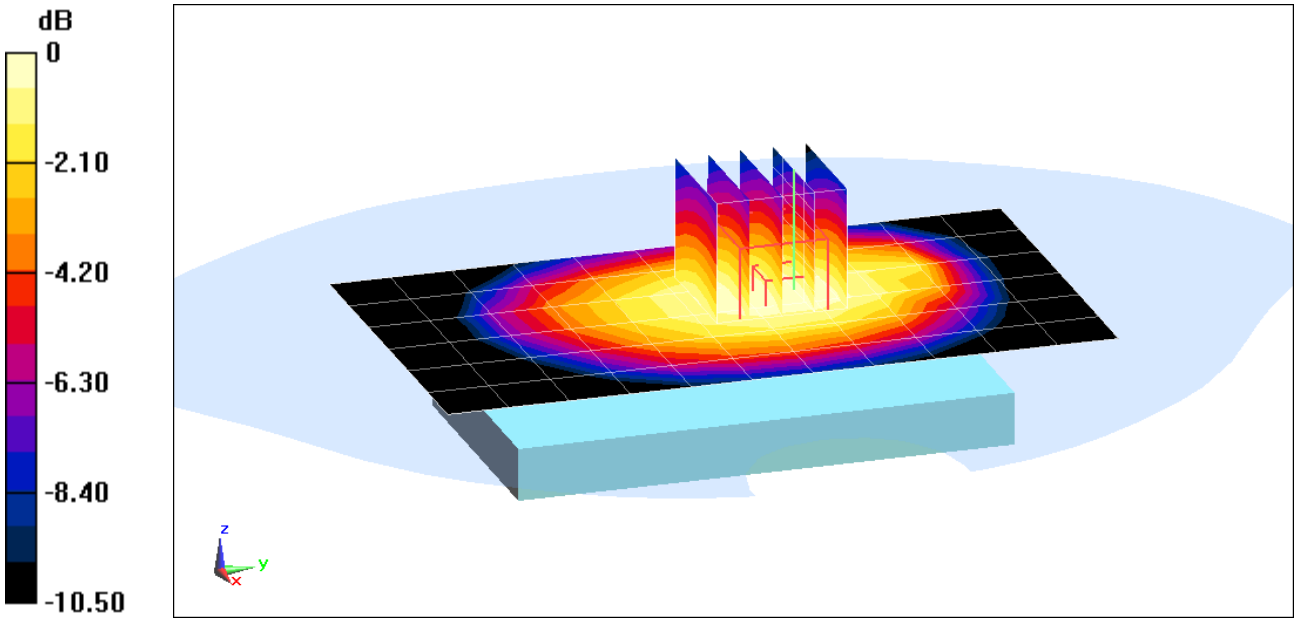
Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: 835 Body Medium parameters used (interpolated):
f = 836.52 MHz; $\sigma$ = 1.014 mho/m; $\varepsilon_r$ = 53.589; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05-03-2012; Ambient Temp: 23.0°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN3561; ConvF(8.25, 8.25, 8.25); Calibrated: 7/27/2011
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 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: Cell. 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 = 20.802 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.5790
**SAR(1 g) = 0.438 mW/g; SAR(10 g) = 0.322 mW/g**




0 dB = 0.460mW/g = -6.74 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 52**

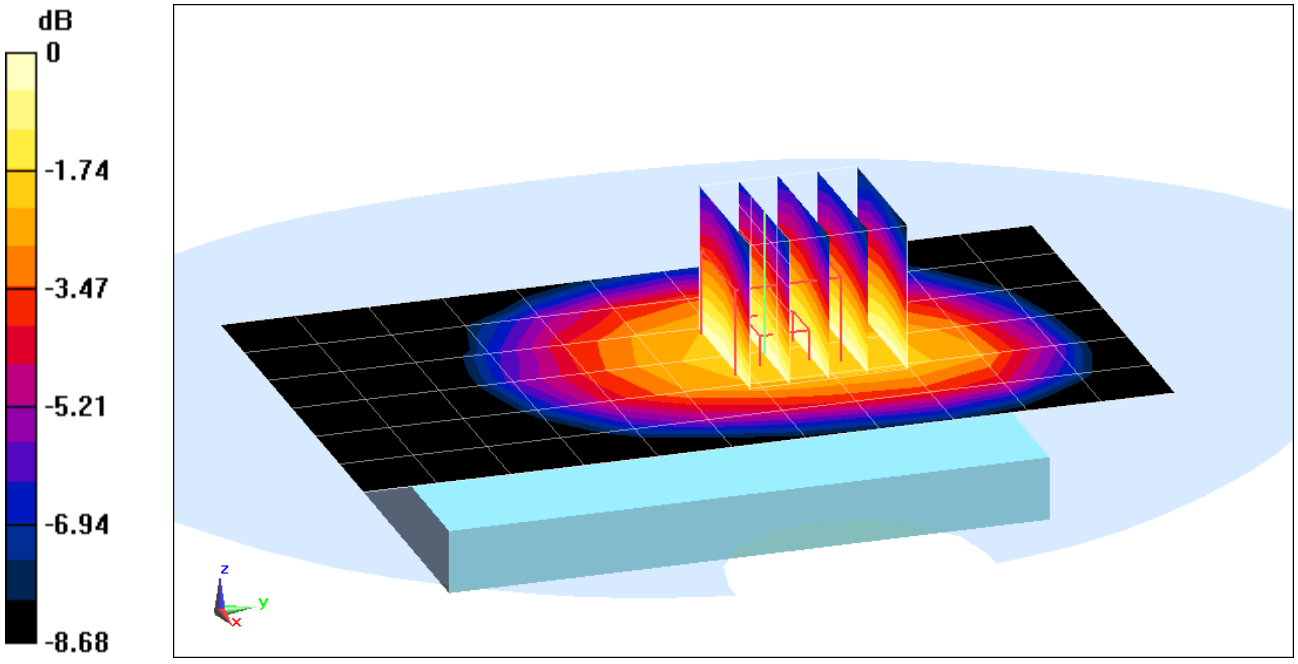
Communication System: CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: 835 Body Medium parameters used (interpolated):
f = 836.52 MHz; $\sigma$ = 1.014 mho/m; $\varepsilon_r$ = 53.589; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05-03-2012; Ambient Temp: 23.0°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN3561; ConvF(8.25, 8.25, 8.25); Calibrated: 7/27/2011
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 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: Cell. 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 = 11.564 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.1620
**SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.099 mW/g**




0 dB = 0.130mW/g = -17.72 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 52**

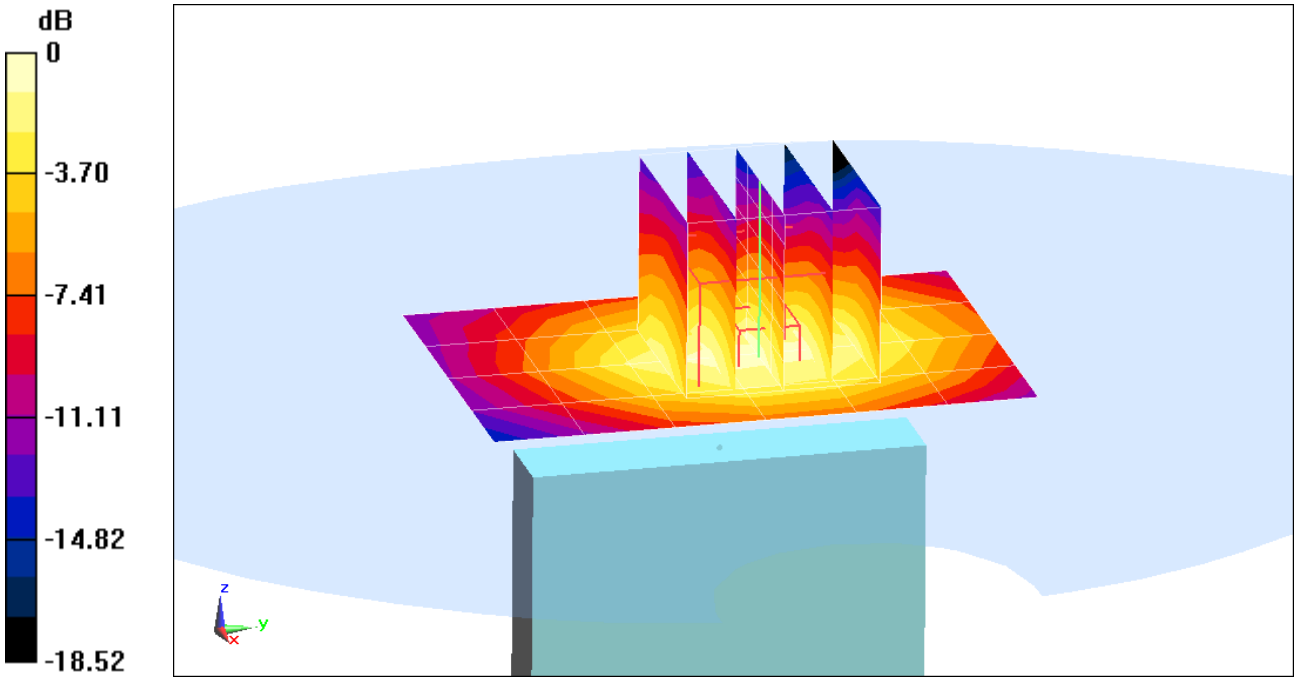
Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: 835 Body Medium parameters used (interpolated):
f = 836.52 MHz; $\sigma$ = 1.014 mho/m; $\varepsilon_r$ = 53.589; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05-03-2012; Ambient Temp: 23.0°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN3561; ConvF(8.25, 8.25, 8.25); Calibrated: 7/27/2011
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 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: Cell. EVDO, Rev.0 - FCC Rule part 22H, Body SAR, Top Edge, Mid.ch**

**Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.024 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.1420
**SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.048 mW/g**




0 dB = 0.090mW/g = -20.92 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 52**

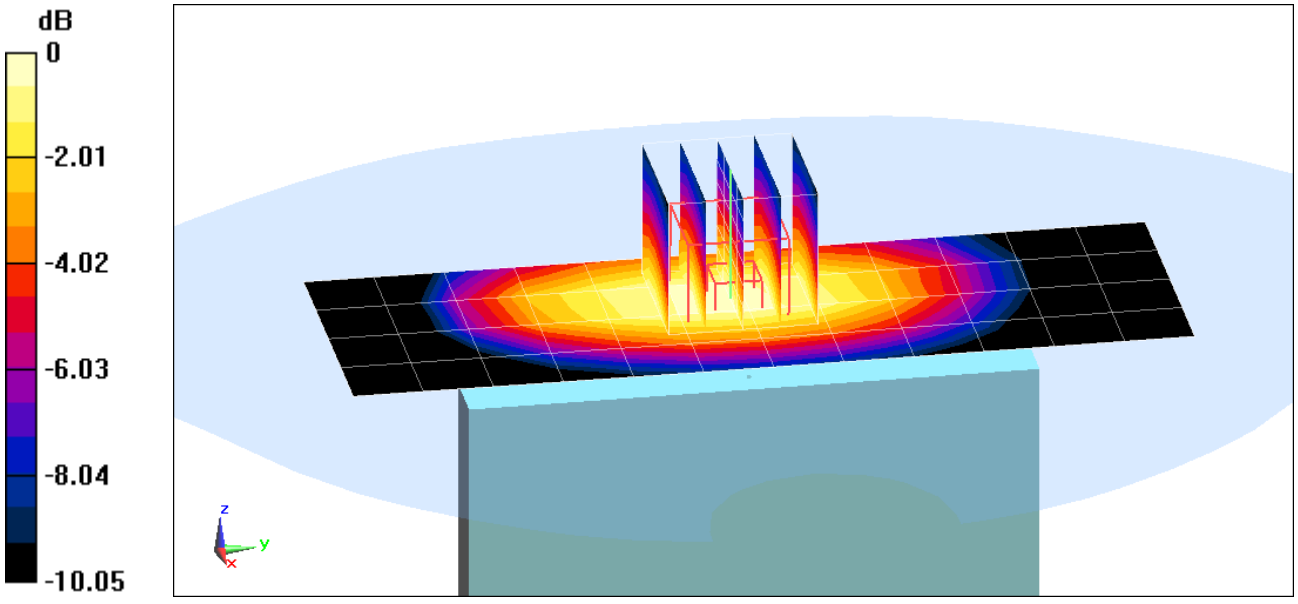
Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: 835 Body Medium parameters used (interpolated):
f = 836.52 MHz; $\sigma$ = 1.014 mho/m; $\varepsilon_r$ = 53.589; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05-03-2012; Ambient Temp: 23.0°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN3561; ConvF(8.25, 8.25, 8.25); Calibrated: 7/27/2011
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 (0);SEMCAD X Version 14.6.4 (4989)

## Mode: Cell. EVDO, Rev.0 - FCC Rule part 22H, Body SAR, Right Edge, Mid.ch

**Area Scan (5x13x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.595 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.3060
**SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.148 mW/g**




0 dB = 0.230mW/g = -12.77 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

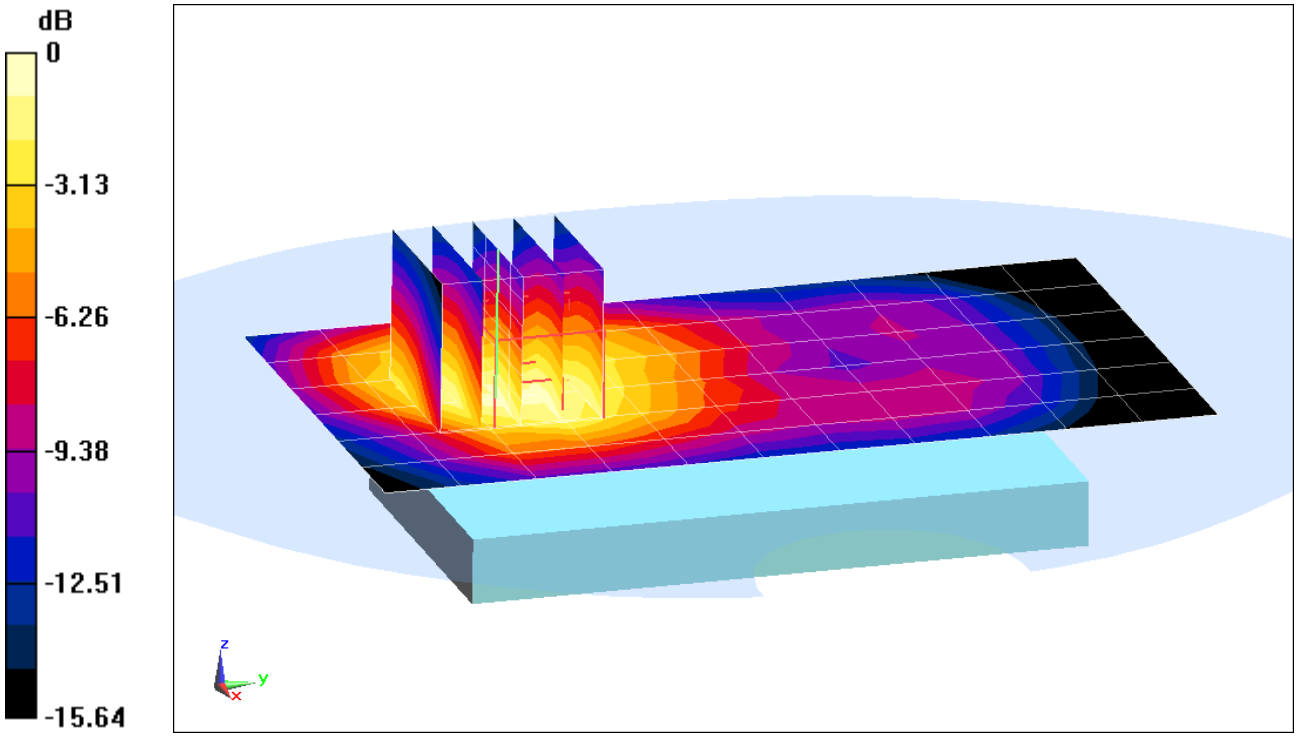
Communication System: CDMA; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used: (interpolated):
$f = 1851.25$ MHz; $\sigma = 1.476$ mho/m; $\varepsilon_r = 52.216$; $\rho = 1000$ kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04-23-2012; Ambient Temp: 21.8°C; Tissue Temp: 20.8°C

Probe: ES3DV3 - SN3288; ConvF(5.02, 5.02, 5.02); Calibrated: 2/7/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 11/9/2011
Phantom: SAM V5.0 Right; Type: QD000P40CD; Serial: 1647
Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: PCS CDMA, Body SAR, Back side, Low.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 = 27.886 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.5380
**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.633 mW/g**




0 dB = 1.100mW/g = 0.83 dB mW/g

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

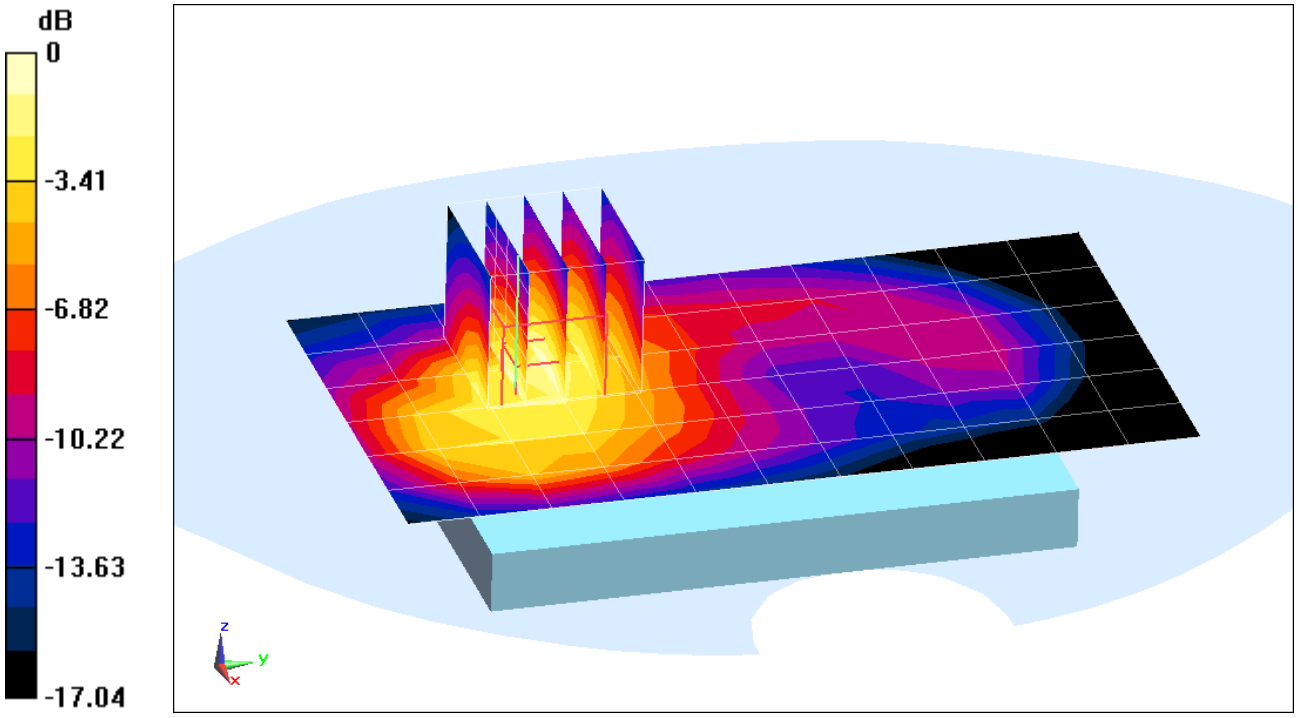
Communication System: CDMA; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used: (interpolated):
$f = 1851.25$ MHz; $\sigma = 1.476$ mho/m; $\varepsilon_r = 52.216$; $\rho = 1000$ kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04-23-2012; Ambient Temp: 21.8°C; Tissue Temp: 20.8°C

Probe: ES3DV3 - SN3288; ConvF(5.02, 5.02, 5.02); Calibrated: 2/7/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 11/9/2011
Phantom: SAM V5.0 Right; Type: QD000P40CD; Serial: 1647
Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: PCS CDMA, Body SAR, Front side, Low.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 = 27.485 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.6900
**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.581 mW/g**




0 dB = 1.080mW/g = 0.67 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

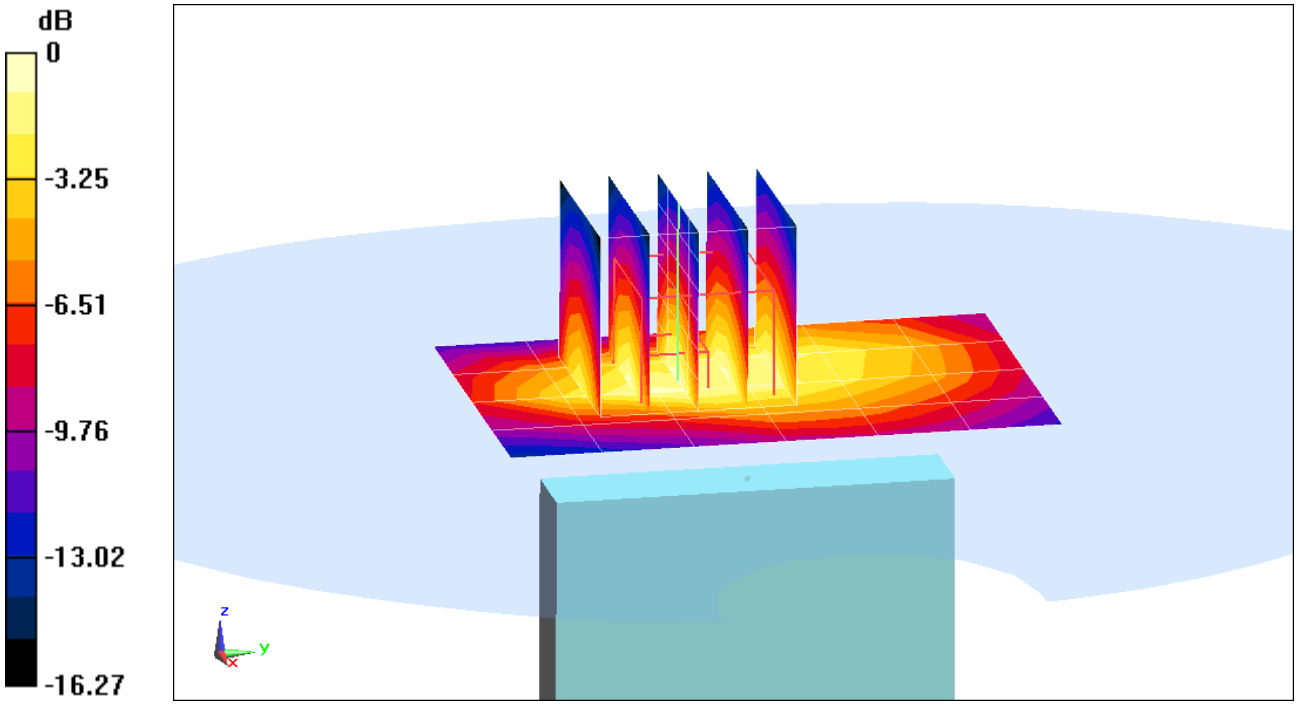
Communication System: CDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used:
f = 1880 MHz; $\sigma$ = 1.51 mho/m; $\varepsilon_r$ = 52.12; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04-23-2012; Ambient Temp: 21.8°C; Tissue Temp: 20.8°C

Probe: ES3DV3 - SN3288; ConvF(5.02, 5.02, 5.02); Calibrated: 2/7/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 11/9/2011
Phantom: SAM V5.0 Right; Type: QD000P40CD; Serial: 1647
Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: PCS CDMA, Body SAR, Bottom Edge, Mid.ch**

**Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.495 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.3410
**SAR(1 g) = 0.798 mW/g; SAR(10 g) = 0.445 mW/g**




0 dB = 0.890mW/g = -1.01 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 51**

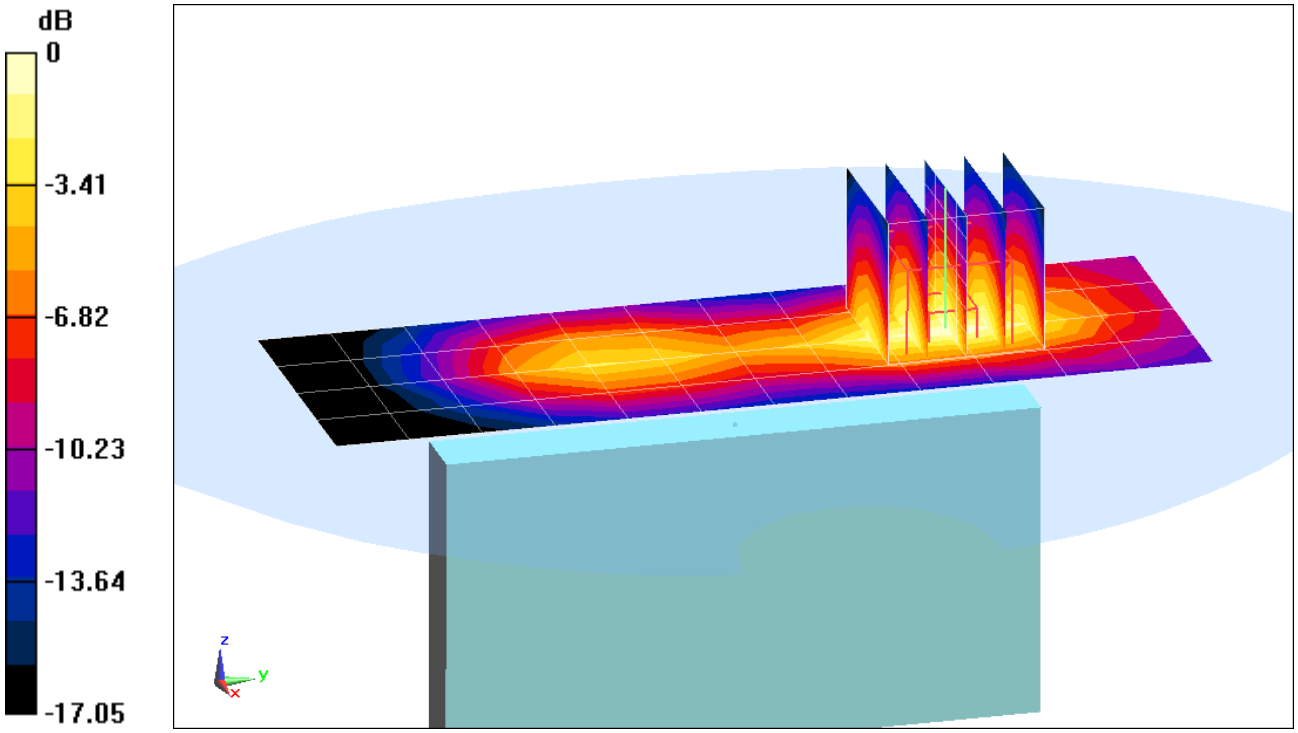
Communication System: CDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used:
f = 1880 MHz; $\sigma$ = 1.51 mho/m; $\varepsilon_r$ = 52.12; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04-23-2012; Ambient Temp: 21.8°C; Tissue Temp: 20.8°C

Probe: ES3DV3 - SN3288; ConvF(5.02, 5.02, 5.02); Calibrated: 2/7/2012
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Calibrated: 11/9/2011
Phantom: SAM V5.0 Right; Type: QD000P40CD; Serial: 1647
Measurement SW: DASY52, Version 52.8 (0);SEMCAD X Version 14.6.4 (4989)

**Mode: PCS CDMA, Body SAR, Right Edge, Mid.ch**

**Area Scan (5x13x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.558 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.6660
**SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.213 mW/g**




0 dB = 0.440mW/g = -7.13 dB mW/g

**DUT: A3LSPHL300; Type: Portable Handset; Serial:** 1206-13

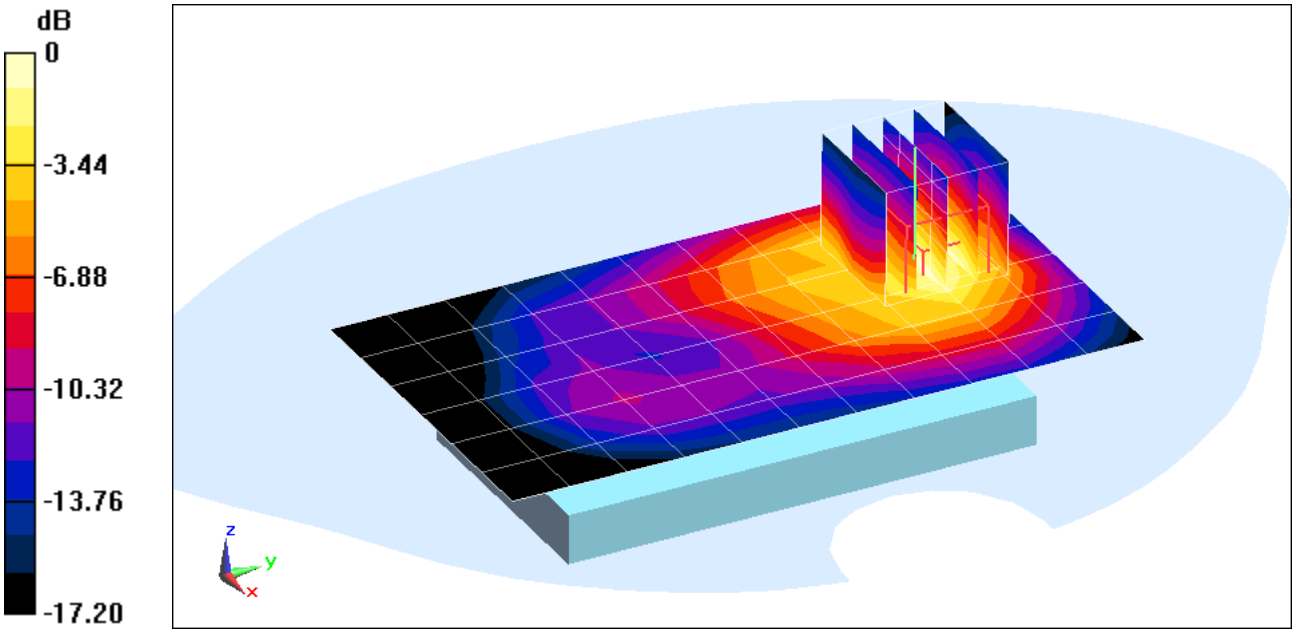
Communication System: CDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used:
f = 1880 MHz; $\sigma$ = 1.496 mho/m; $\varepsilon_r$ = 51.48; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 06-18-2012; Ambient Temp: 23.3°C; Tissue Temp: 22.8°C

Probe: ES3DV3 - SN3288; ConvF(5.02, 5.02, 5.02); 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 14.6.4 (4989)

**Mode: PCS EVDO, Rev.0, 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 = 25.983 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.6070
**SAR(1 g) = 0.910 mW/g; SAR(10 g) = 0.466 mW/g**




0 dB = 0.960mW/g = -0.35 dB mW/g

**DUT: A3LSPHL300; Type: Portable Handset; Serial:** 1206-13

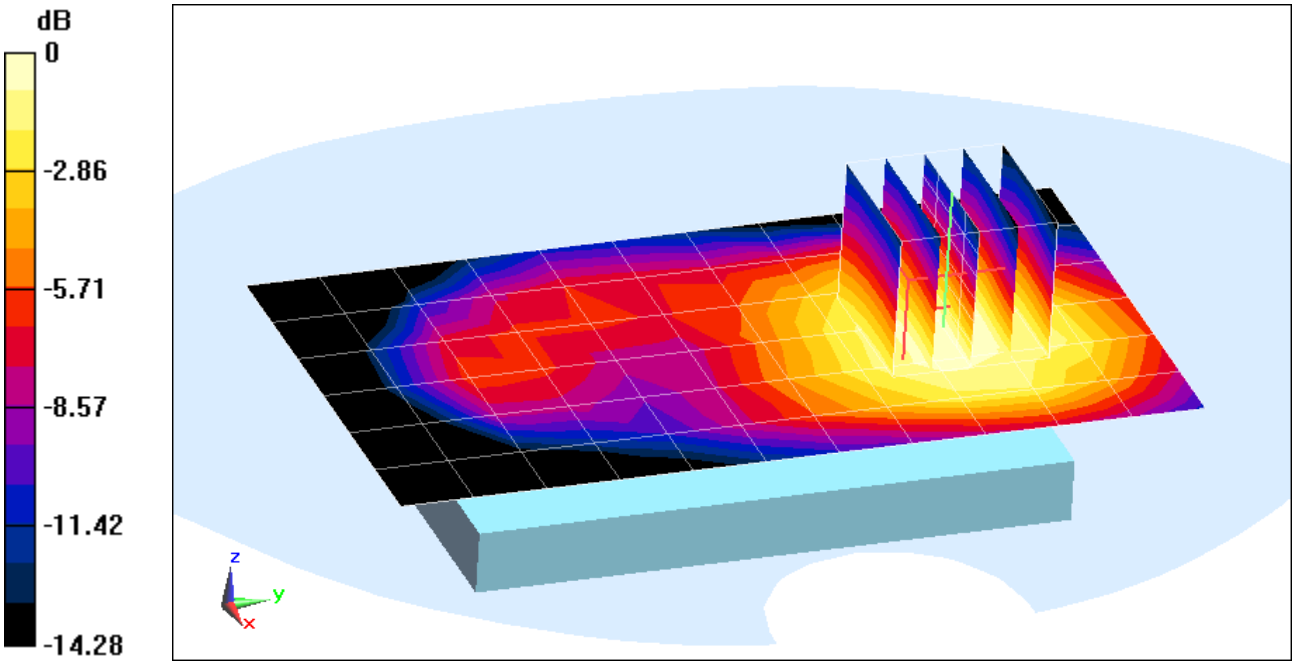
Communication System: CDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used:
f = 1880 MHz; $\sigma$ = 1.496 mho/m; $\varepsilon_r$ = 51.48; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 06-18-2012; Ambient Temp: 23.3°C; Tissue Temp: 22.8°C

Probe: ES3DV3 - SN3288; ConvF(5.02, 5.02, 5.02); 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 14.6.4 (4989)

**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 = 13.002 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.3760
**SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.152 mW/g**




0 dB = 0.260mW/g = -11.70 dB mW/g

**DUT: A3LSPHL300; Type: Portable Handset; Serial:** 1206-13

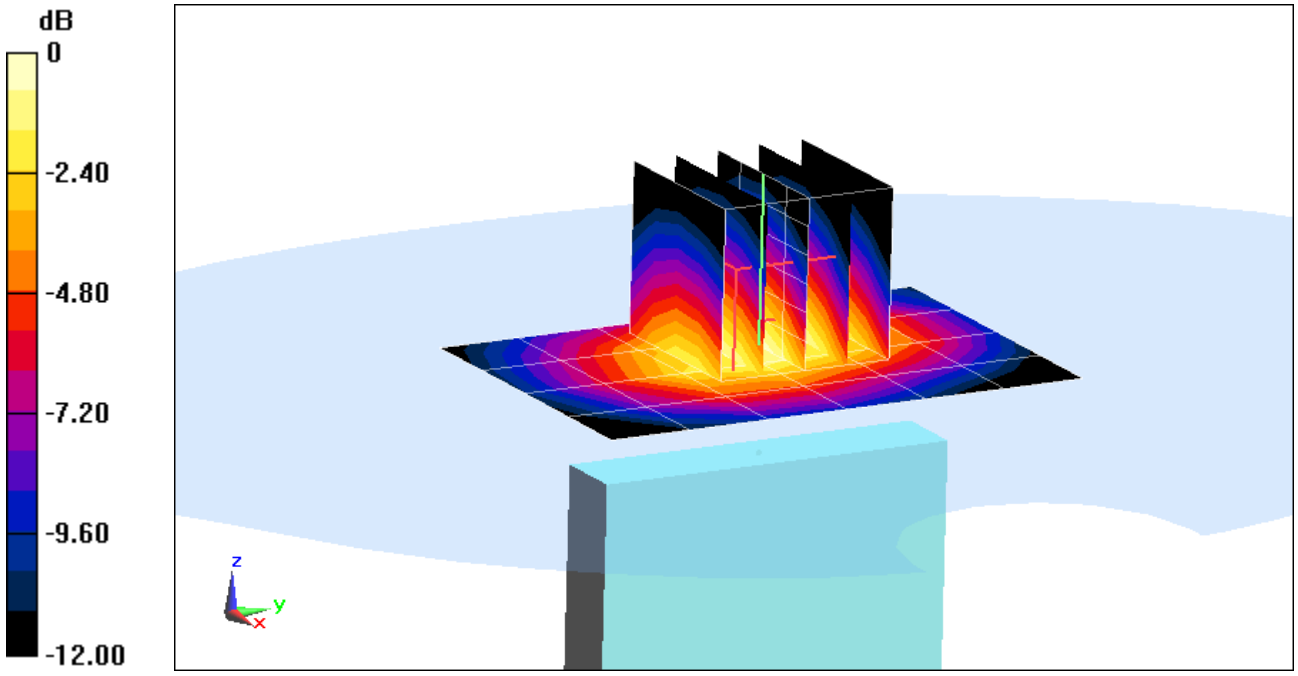
Communication System: CDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used:
f = 1880 MHz; $\sigma$ = 1.496 mho/m; $\varepsilon_r$ = 51.48; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section; Space: 1.0

Test Date: 06-18-2012; Ambient Temp: 23.3°C; Tissue Temp: 22.8°C

Probe: ES3DV3 - SN3288; ConvF(5.02, 5.02, 5.02); 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 14.6.4 (4989)

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

**Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.674 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.7220
**SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.268 mW/g**




0 dB = 0.510mW/g = -5.85 dB mW/g

**DUT: A3LSPHL300; Type: Portable Handset; Serial:** 1206-13

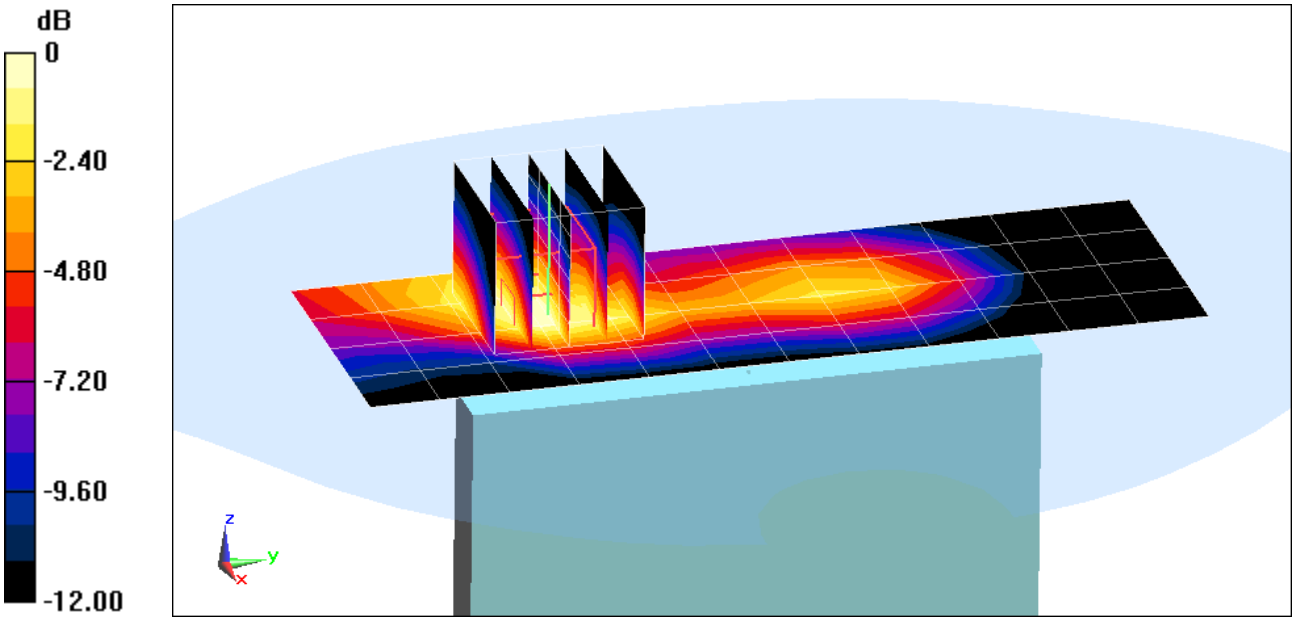
Communication System: CDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used:
f = 1880 MHz; $\sigma$ = 1.496 mho/m; $\varepsilon_r$ = 51.48; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 06-18-2012; Ambient Temp: 23.3°C; Tissue Temp: 22.8°C

Probe: ES3DV3 - SN3288; ConvF(5.02, 5.02, 5.02); 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 14.6.4 (4989)

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

**Area Scan (5x13x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.062 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.2480
**SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.086 mW/g**




0 dB = 0.160mW/g = -15.92 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial:** 1206-7

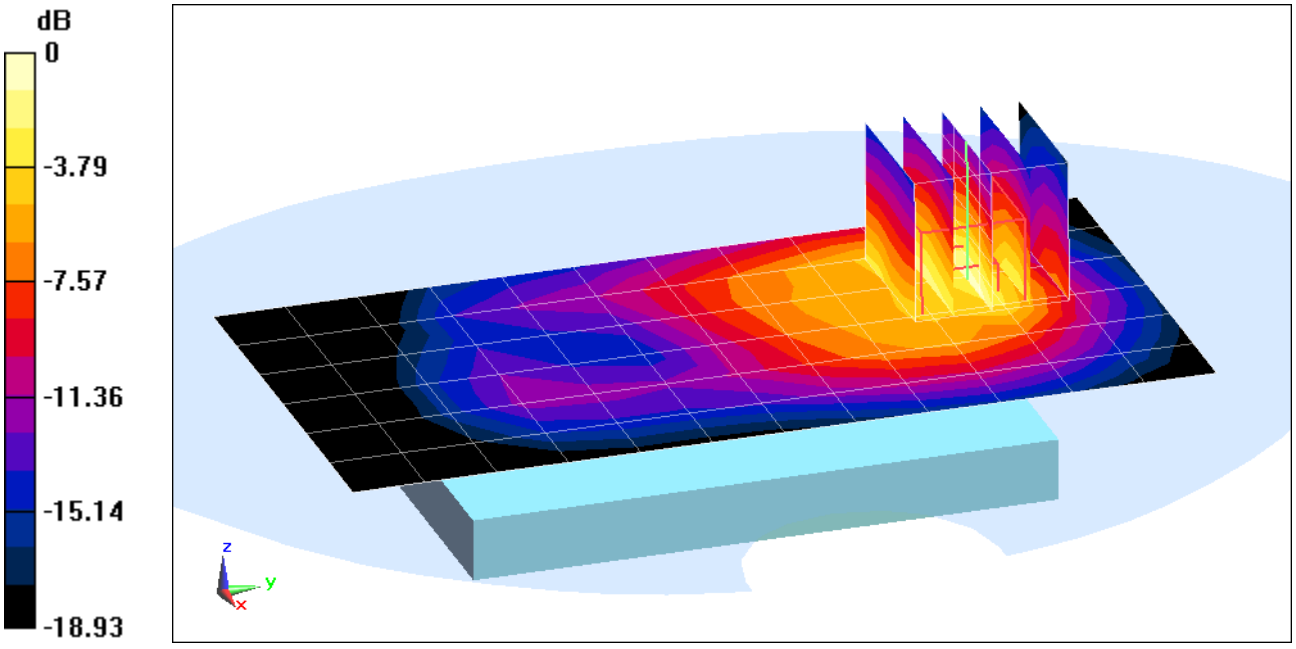
Communication System: LTE Band 25; Frequency: 1912.5 MHz;Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used (interpolated):
$f = 1912.5$ MHz; $\sigma = 1.533$ mho/m; $\varepsilon_r = 51.342$; $\rho = 1000$ kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 06-18-2012; Ambient Temp: 23.3°C; Tissue Temp: 22.8°C

Probe: ES3DV3 - SN3288; ConvF(5.02, 5.02, 5.02); 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 14.6.4 (4989)

**Mode: LTE Band 25, Body SAR, Back side, High.ch**
**QPSK, 5 MHz Bandwidth, 1 RB, RB Offset 0**

**Area Scan (7x13x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.670 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.6510
**SAR(1 g) = 0.968 mW/g; SAR(10 g) = 0.524 mW/g**




0 dB = 1.120mW/g = 0.98 dB mW/g

**DUT: A3LSPHL300; Type: Portable Handset; Serial:** 1206-7

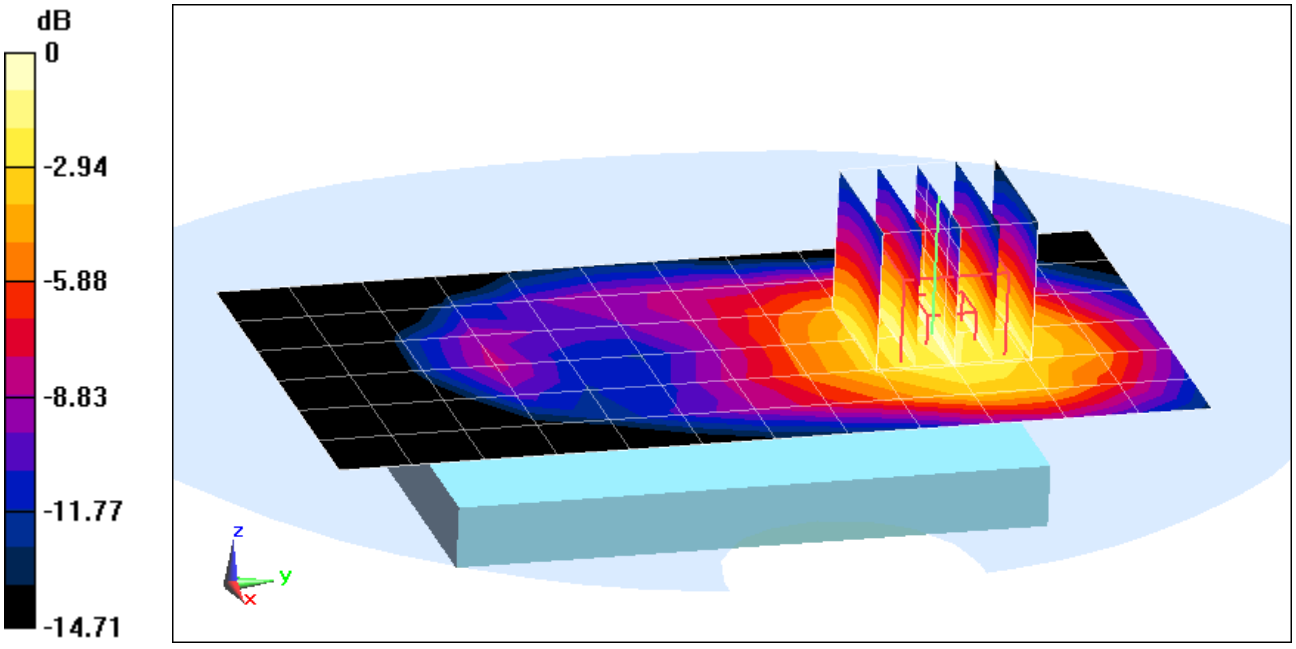
Communication System: LTE Band 25; Frequency: 1912.5 MHz;Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used (interpolated):
$f = 1912.5$ MHz; $\sigma = 1.533$ mho/m; $\varepsilon_r = 51.342$; $\rho = 1000$ kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 06-18-2012; Ambient Temp: 23.3°C; Tissue Temp: 22.8°C

Probe: ES3DV3 - SN3288; ConvF(5.02, 5.02, 5.02); 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 14.6.4 (4989)

**Mode: LTE Band 25, Body SAR, Front side, High.ch**
**QPSK, 5 MHz Bandwidth, 1 RB, RB Offset 0**

**Area Scan (7x13x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.380 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.4930
**SAR(1 g) = 0.321 mW/g; SAR(10 g) = 0.201 mW/g**




0 dB = 0.340mW/g = -9.37 dB mW/g

**DUT: A3LSPHL300; Type: Portable Handset; Serial:** 1206-7

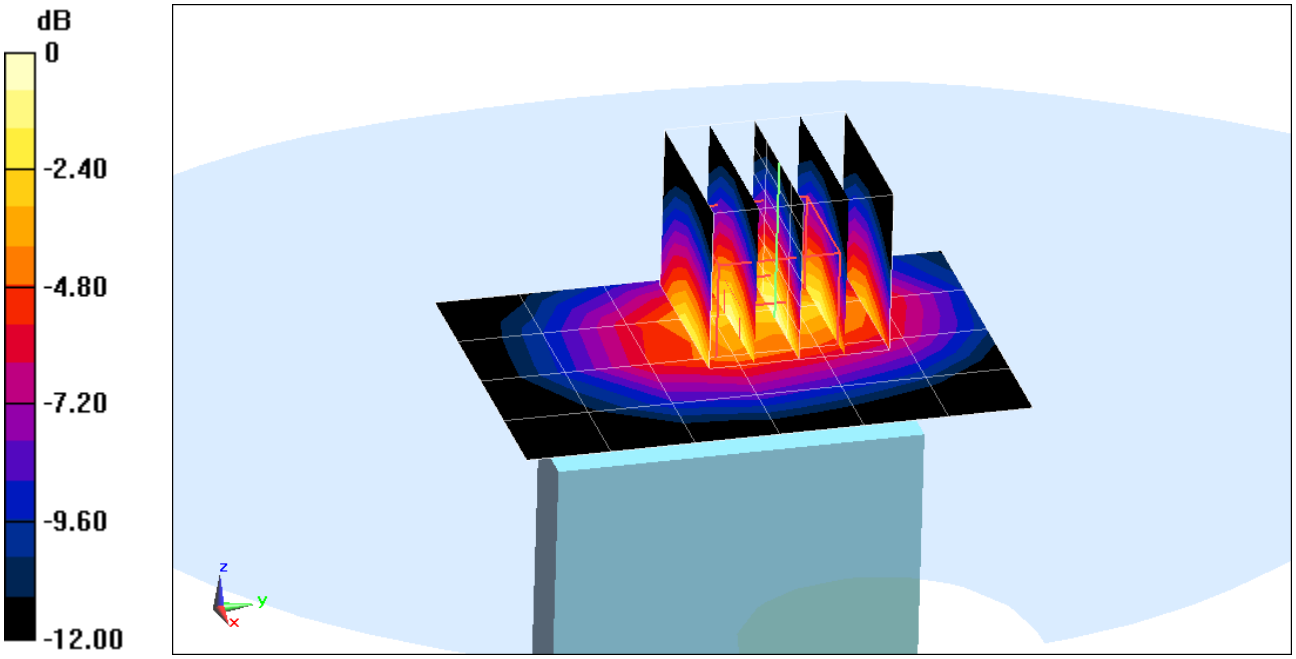
Communication System: LTE Band 25; Frequency: 1912.5 MHz;Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used (interpolated):
$f = 1912.5$ MHz; $\sigma = 1.533$ mho/m; $\varepsilon_r = 51.342$; $\rho = 1000$ kg/m$^3$
Phantom section: Flat Section; Space: 1.0

Test Date: 06-18-2012; Ambient Temp: 23.3°C; Tissue Temp: 22.8°C

Probe: ES3DV3 - SN3288; ConvF(5.02, 5.02, 5.02); 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 14.6.4 (4989)

**Mode: LTE Band 25, Body SAR, Top Edge, High.ch**
**QPSK, 5 MHz Bandwidth, 1 RB, RB Offset 0**

**Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.089 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.8630
**SAR(1 g) = 0.537 mW/g; SAR(10 g) = 0.309 mW/g**




0 dB = 0.600mW/g = -4.44 dB mW/g

**DUT: A3LSPHL300; Type: Portable Handset; Serial:** 1206-7

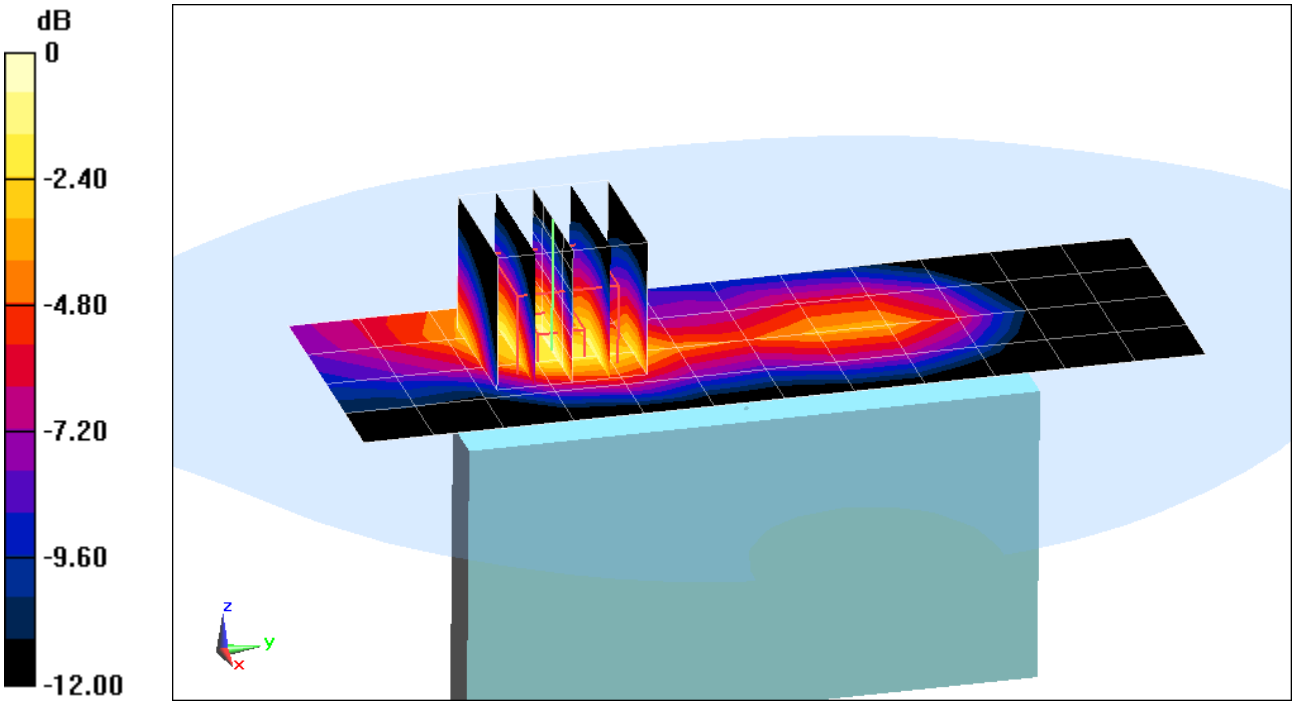
Communication System: LTE Band 25; Frequency: 1912.5 MHz;Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used (interpolated):
$f = 1912.5$ MHz; $\sigma = 1.533$ mho/m; $\varepsilon_r = 51.342$; $\rho = 1000$ kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 06-18-2012; Ambient Temp: 23.3°C; Tissue Temp: 22.8°C

Probe: ES3DV3 - SN3288; ConvF(5.02, 5.02, 5.02); 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 14.6.4 (4989)

**Mode: LTE Band 25, Body SAR, Right Edge, High.ch**
**QPSK, 5 MHz Bandwidth, 1 RB, RB Offset 0**

**Area Scan (5x13x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.518 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.2880
**SAR(1 g) = 0.174 mW/g; SAR(10 g) = 0.100 mW/g**




0 dB = 0.200mW/g = -13.98 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 66**

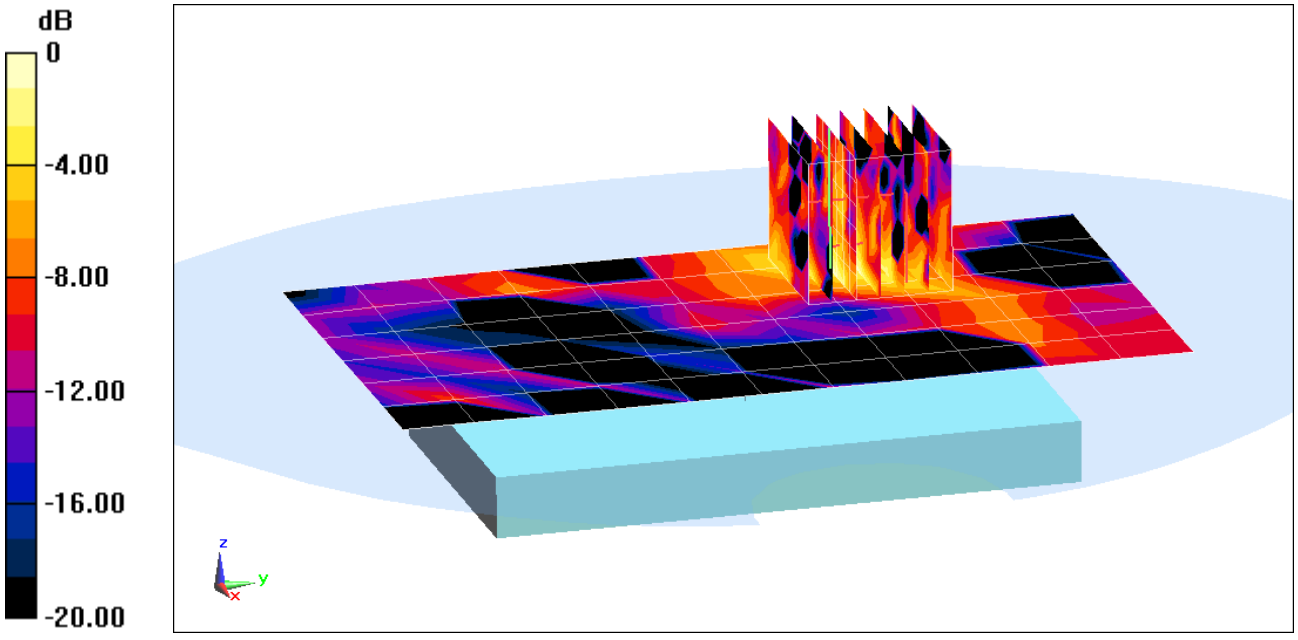
Communication System: IEEE 802.11b; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: 2450 Body Medium parameters used (interpolated):
$f = 2412$ MHz; $\sigma = 1.927$ mho/m; $\varepsilon_r = 50.855$; $\rho = 1000$ kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04-30-2012 ; Ambient Temp: 23.1°C; Tissue Temp: 21.3°C

Probe: ES3DV2 - SN3022; ConvF(4.01, 4.01, 4.01); Calibrated: 8/25/2011
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn859; Calibrated: 5/19/2011
Phantom: SAM with CRP; Type: SAM; Serial: TP1375
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.4 (4989)

**Mode: IEEE 802.11b, Body SAR, Ch 01, 1 Mbps, Back Side**

**Area Scan (7x12x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.334 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.008880
**SAR(1 g) = 0.00415 mW/g; SAR(10 g) = 0.00155 mW/g**




0 dB = 0.0059mW/g = -44.58 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 66**

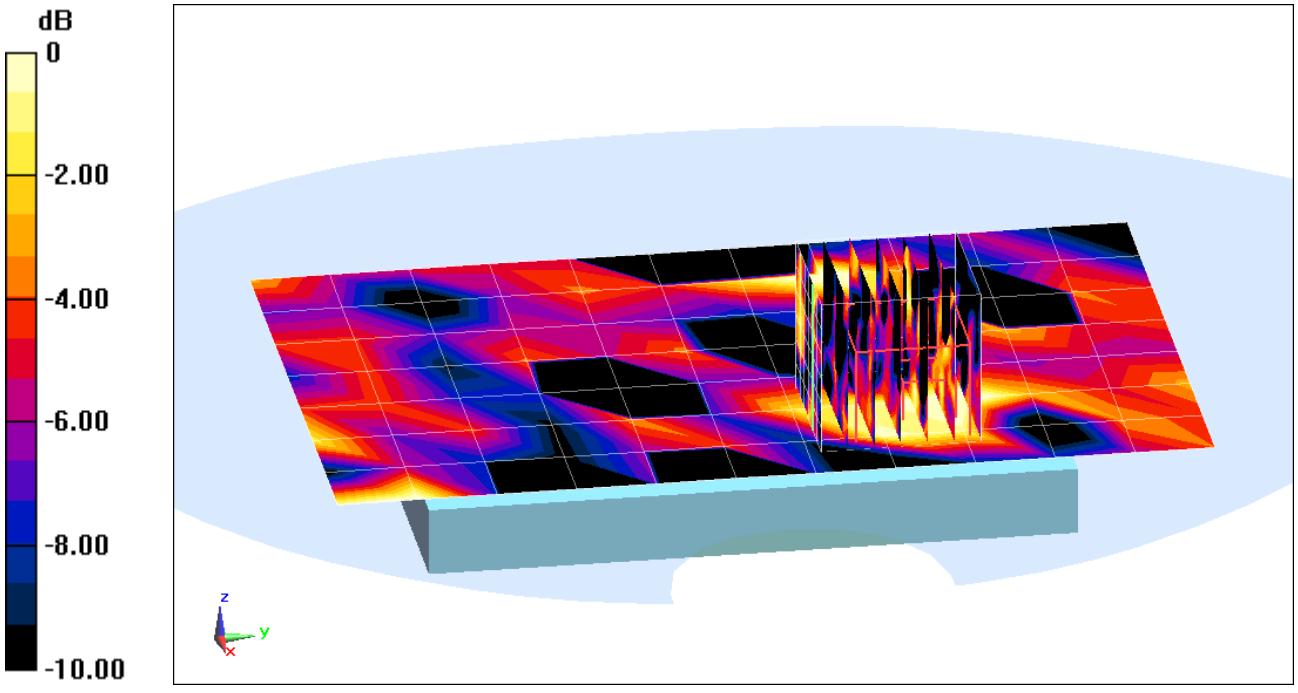
Communication System: IEEE 802.11b; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: 2450 Body Medium parameters used (interpolated):
$f = 2412$ MHz; $\sigma = 1.927$ mho/m; $\varepsilon_r = 50.855$; $\rho = 1000$ kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04-30-2012; Ambient Temp: 23.1°C; Tissue Temp: 21.3°C

Probe: ES3DV2 - SN3022; ConvF(4.01, 4.01, 4.01); Calibrated: 8/25/2011
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn859; Calibrated: 5/19/2011
Phantom: SAM with CRP; Type: SAM; Serial: TP1375
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.4 (4989)

**Mode: IEEE 802.11b, Body SAR, Ch 01, 1 Mbps, Front Side**

**Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.614 V/m; Power Drift = 0.024 dB
Peak SAR (extrapolated) = 0.002640
**SAR(1 g) = 0.00102 mW/g; SAR(10 g) = 0.000334 mW/g**




0 dB = 0.0023mW/g = -52.77 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 66**

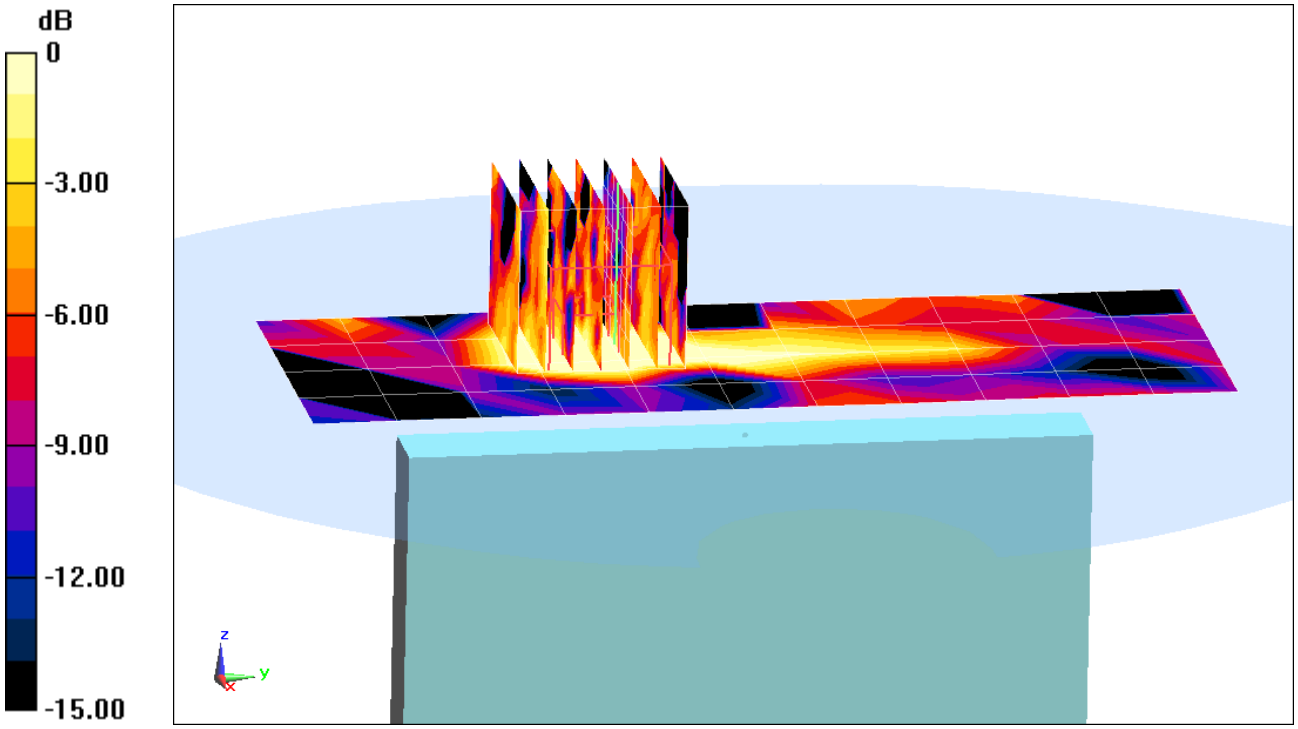
Communication System: IEEE 802.11b; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: 2450 Body Medium parameters used (interpolated):
f = 2412 MHz; $\sigma$ = 1.927 mho/m; $\varepsilon_r$ = 50.855; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04-30-2012; Ambient Temp: 23.1°C; Tissue Temp: 21.3°C

Probe: ES3DV2 - SN3022; ConvF(4.01, 4.01, 4.01); Calibrated: 8/25/2011
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE4 Sn859; Calibrated: 5/19/2011
Phantom: SAM with CRP; Type: SAM; Serial: TP1375
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.4 (4989)

**Mode: IEEE 802.11b, Body SAR, Ch 01, 1 Mbps, Right Edge**

**Area Scan (5x12x1):** Measurement grid: dx=15mm, dy=15mm
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.988 V/m; Power Drift = 0.142 dB
Peak SAR (extrapolated) = 0.008050
**SAR(1 g) = 0.00233 mW/g; SAR(10 g) = 0.000965 mW/g**




0 dB = 0.0038mW/g = -48.40 dB mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: A3LSPHL300; Type: Portable Handset; Serial: 68**

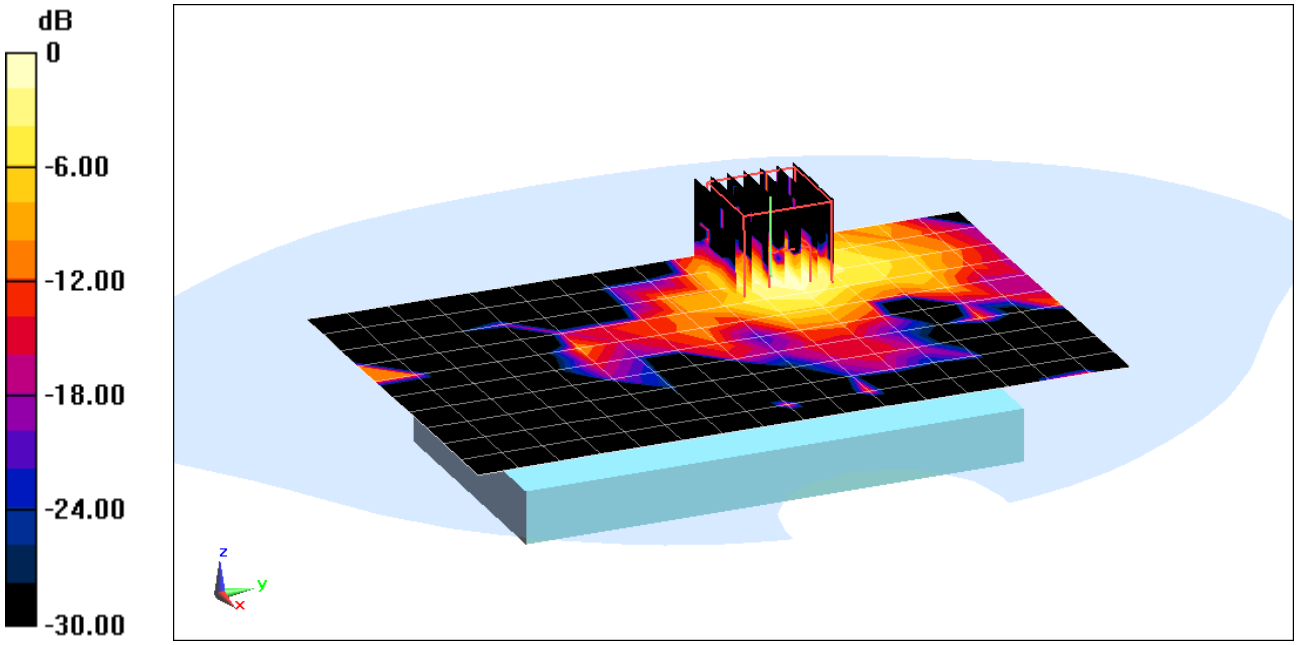
Communication System: IEEE 802.11a 5.2-5.8 GHz Band; Frequency: 5785 MHz;Duty Cycle: 1:1
Medium: 5 GHz Body Medium parameters used:
f = 5785 MHz; $\sigma$ = 6.165 mho/m; $\varepsilon_r$ = 45.85; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05-01-2012; Ambient Temp: 24.6°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN3589; ConvF(3.59, 3.59, 3.59); Calibrated: 1/27/2012
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1323; Calibrated: 2/15/2012
Phantom: SAM Sub; Type: SAM 4.0; Serial: TP-1357
Measurement SW: DASY4, Version 4.7 (80);SEMCAD X Version 14.6.4 (4989)

**Mode: IEEE 802.11a, 5.8 GHz, Body SAR, Ch 157, 6 Mbps, Back Side**

**Area Scan (11x17x1):** Measurement grid: dx=10mm, dy=10mm
**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 6.663 V/m; Power Drift = -0.026 dB
Peak SAR (extrapolated) = 0.8780
**SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.068 mW/g**




0 dB = 0.490mW/g = -6.20 dB mW/g