

Test Laboratory: Bay Area Compliance Laboratories Corp.(BACL)

System Performance Check for Body

EUT: Dipole Antenna 2450 MHz; Type: D-2450-S-1; Serial Number: BCL-141

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$ $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 – s/n: 1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; s/n: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

System Performance Check for Body, 1W /Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 65.7 mW/g

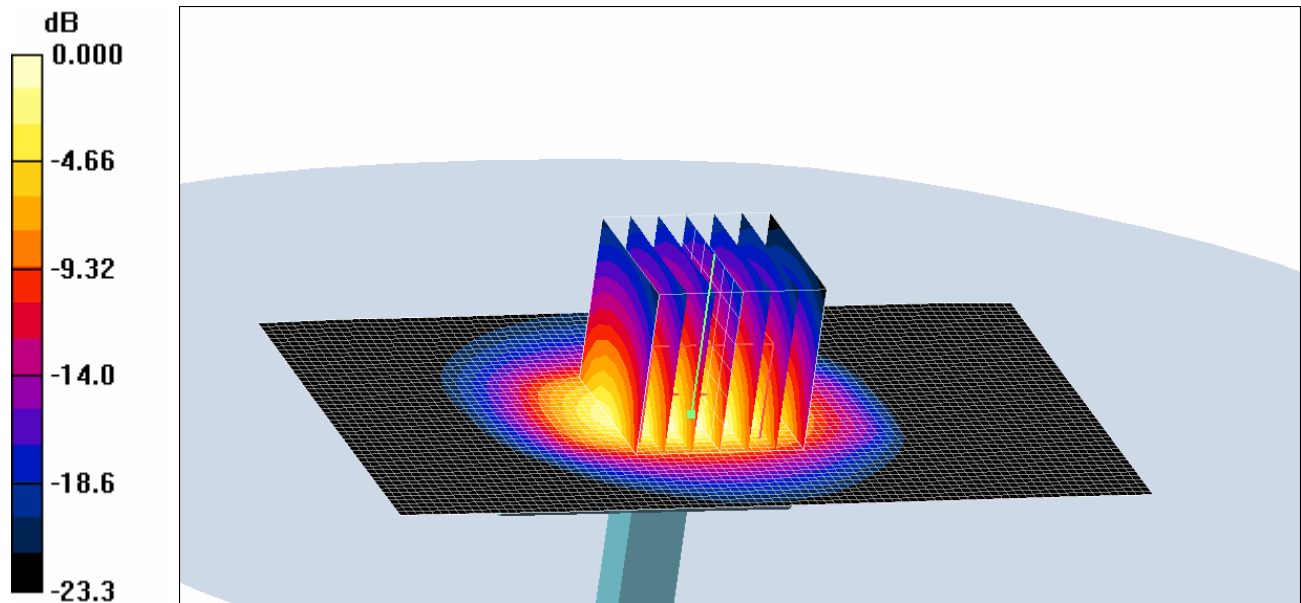
System Performance Check for Body, 1W /Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 198.2 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 132.4 W/kg

SAR(1 g) = 56.74 mW/g; SAR(10 g) = 25.1 mW/g

Maximum value of SAR (measured) = 62.3 mW/g



0 dB = 62.3 mW/g

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

System Performance Check for Head

EUT: Dipole 5GHZ; Type: D5GHZ; Serial: D5100V2-SN: 1001

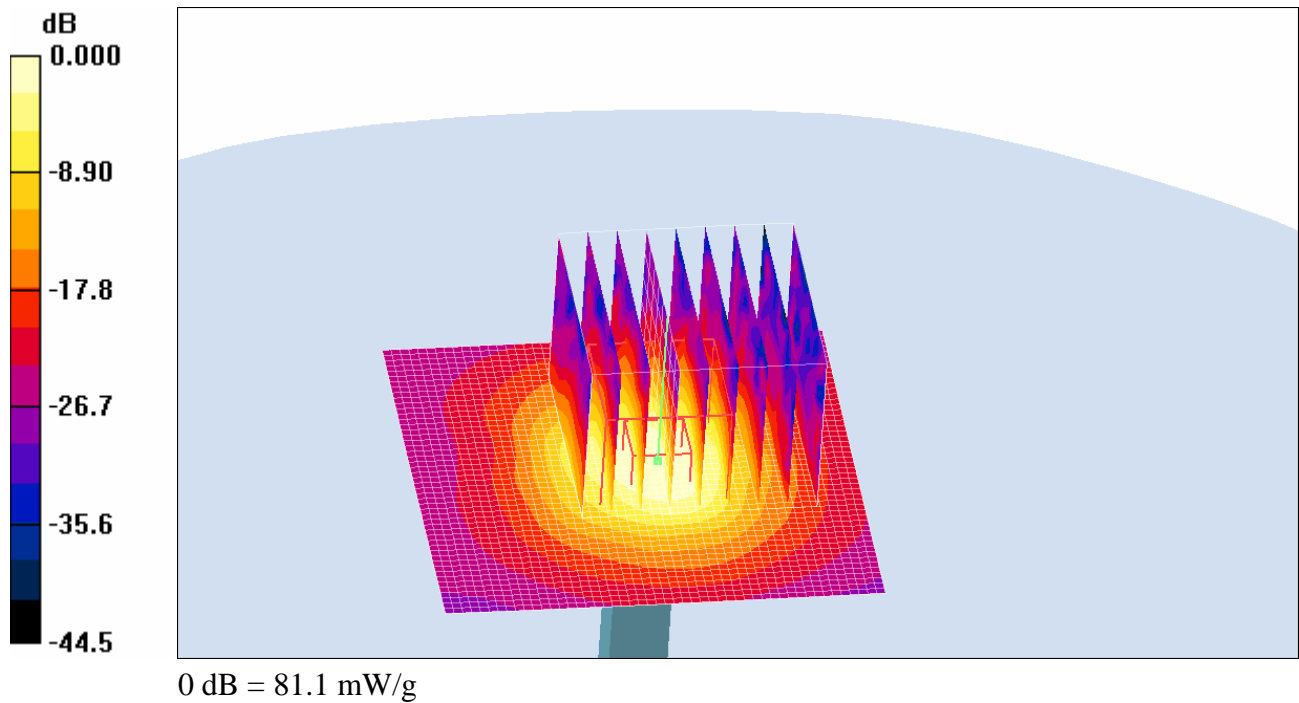
Communication System: CW-5GHz; Frequency: 5800 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5800$ MHz; $\sigma = 5.26$ mho/m; $\epsilon_r = 36.27$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV4 – SN3576; ConvF(3.89, 3.89, 3.89); Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.5 Build 19; Post processing SW: SEMCAD, V1.8 Build 161

d=10mm, Pin=1W, f=5800 MHz/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 82.8 mW/g

d=10mm, Pin=1W, f=5800 MHz/Zoom Scan (11x11x11)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm
 Reference Value = 170.7 V/m; Power Drift = 0.154 dB
 Peak SAR (extrapolated) = 307.6 W/kg
SAR(1 g) = 76.8 mW/g; SAR(10 g) = 31.6 mW/g
 Maximum value of SAR (measured) = 81.1 mW/g



Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

System Performance Check for Body

EUT: Dipole 5GHZ; Type: D5GHZ; Serial: D5100V2-SN: 1001

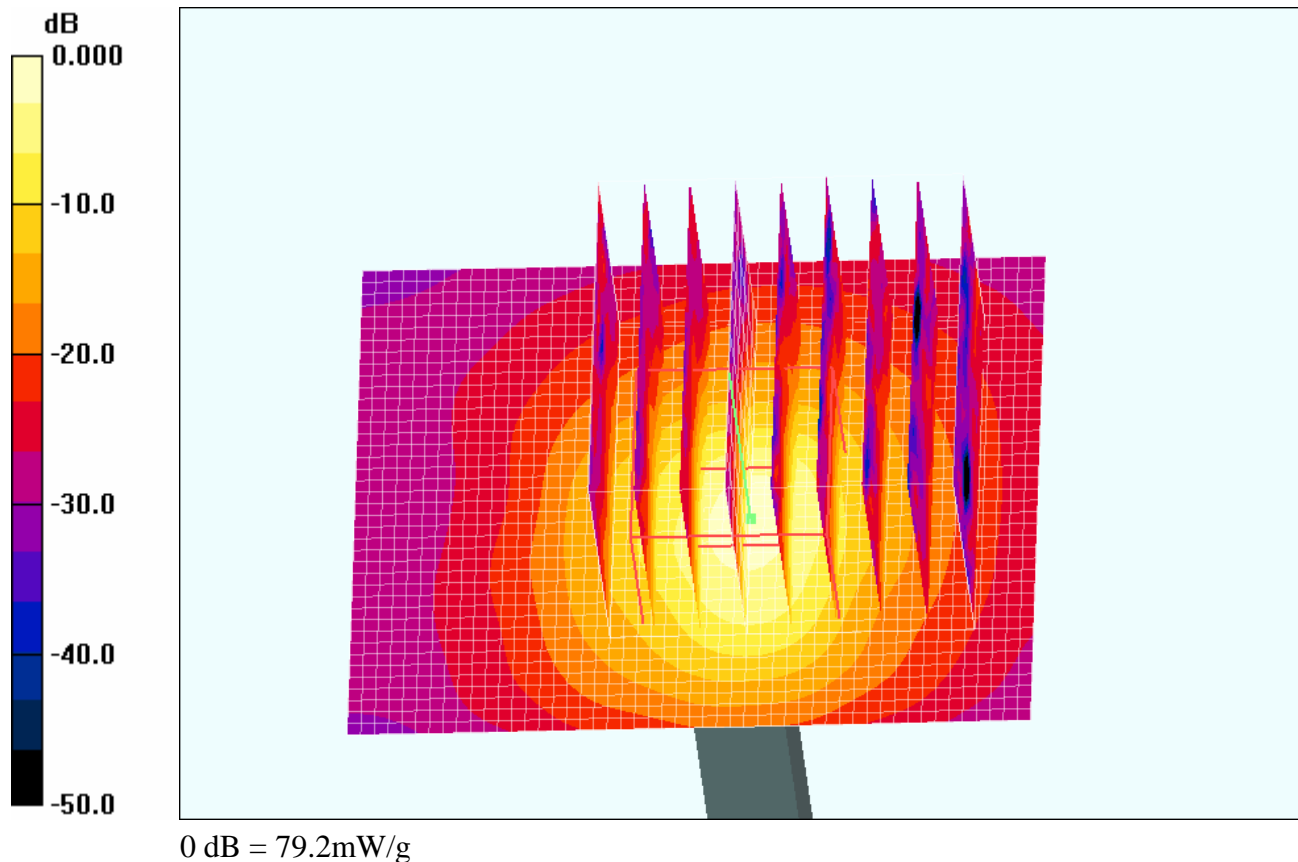
Communication System: CW-5GHz; Frequency: 5800 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5800$ MHz; $\sigma = 6.05$ mho/m; $\epsilon_r = 47.40$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV4 - SN3576; ConvF(3.85, 3.85, 3.85); Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.5 Build 19; Post processing SW: SEMCAD, V1.8 Build 161

d=10mm, Pin=1W, f=5800 MHz/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 80.3 mW/g

d=10mm, Pin=1W, f=5800 MHz/Zoom Scan (11x11x11)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm
 Reference Value = 97.1 V/m; Power Drift = -0.04 dB
 Peak SAR (extrapolated) = 317.7 W/kg
SAR(1 g) = 75.16 mW/g; SAR(10 g) = 22.4 mW/g
 Maximum value of SAR (measured) = 79.2 mW/g



APPENDIX E - EUT SCANS

Test Laboratory: Bay Area Compliance Laboratories Corp.(BACL)

EUT back touching to the flat phantom (Middle Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Acer TravelMate 800 series Laptop, Model Number: ZG1S

11 Mbps for 802.11b 20 MHz

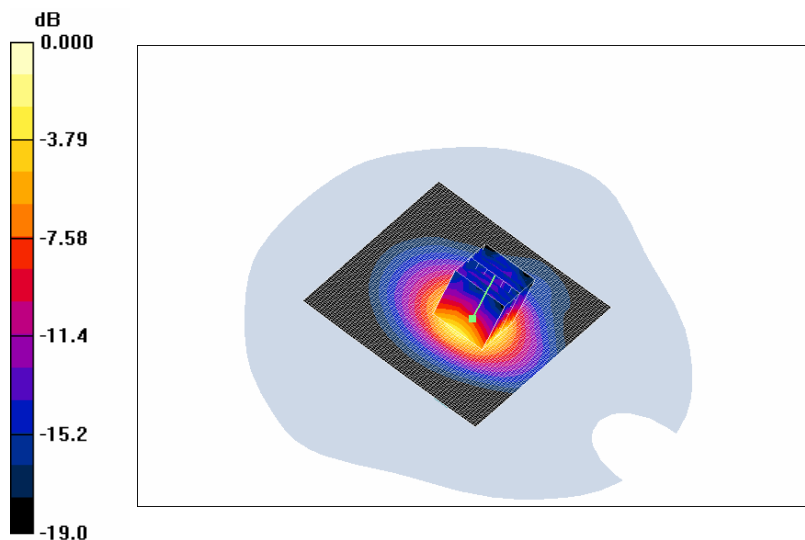
Communication System: CW; Frequency: 2437 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Acer TravelMate 800 series Laptop, 2437 MHz (Middle Channel) /Area Scan (71x91x1): Measurement grid:
 dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.863 mW/g

Acer TravelMate 800 series Laptop, 2437 MHz (Middle Channel) /Zoom Scan (5x5x7) /Cube 0: Measurement grid:
 dx=5mm, dy=5mm, dz=5mm
 Reference Value = 11.7 V/m; Power Drift = -0.02 dB
 Peak SAR (extrapolated) = 1.55 W/kg
SAR(1 g) = 0.851 mW/g; SAR(10 g) = 0.363 mW/g
 Maximum value of SAR (measured) = 0.882 mW/g



0 dB = 0.882mW/g

Plot #1

Test Laboratory: Bay Area Compliance Laboratories Corp.(BACL)

EUT back touching to the flat phantom (Low Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Acer TravelMate 800 series Laptop, Model Number: ZG1S

11 Mbps for 802.11b 20 MHz

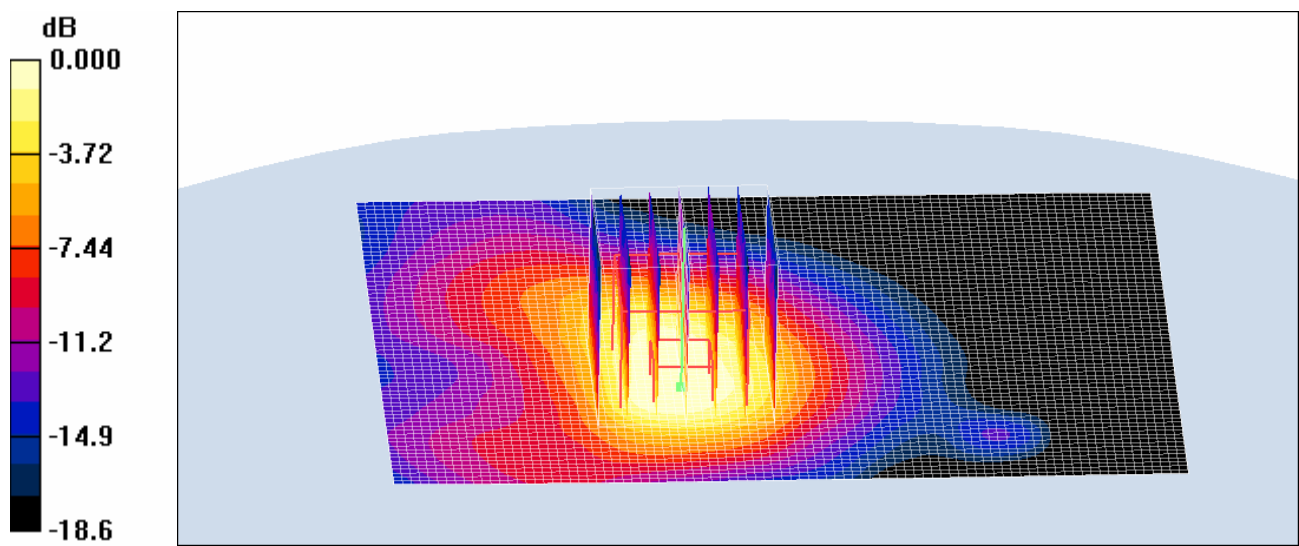
Communication System: CW; Frequency: 2412 MHz;Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Acer TravelMate 800 series Laptop, 2412 MHz (Low Channel) /Area Scan (71x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.804 mW/g

Acer TravelMate 800 series Laptop, 2412 MHz (Low Channel) /Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 11.3 V/m; Power Drift = -0.07 dB
 Peak SAR (extrapolated) = 0.846 W/kg
SAR(1 g) = 0.785 mW/g; SAR(10 g) = 0.331 mW/g
 Maximum value of SAR (measured) = 0.798 mW/g



Plot #2

Test Laboratory: Bay Area Compliance Laboratories Corp.(BACL)

EUT back touching to the flat phantom (High Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Acer TravelMate 800 series Laptop, Model Number: ZG1S

11 Mbps for 802.11b 20 MHz

Communication System: CW; Frequency: 2462 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Acer TravelMate 800 series Laptop, 2462 MHz (High Channel) /Area Scan (71x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.776 mW/g

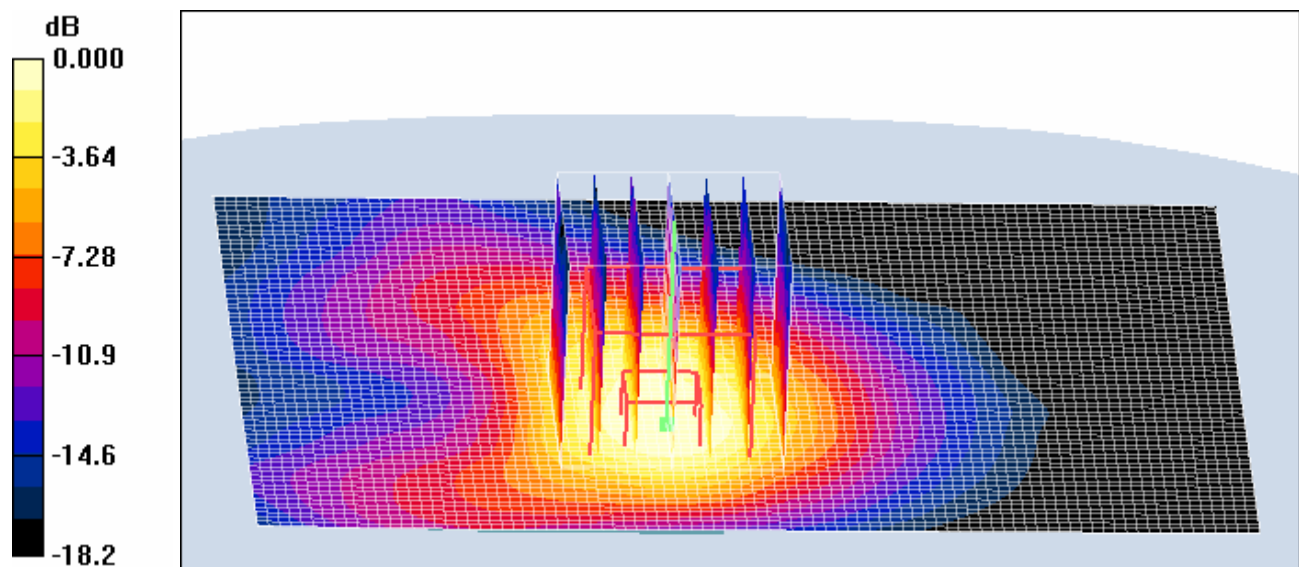
Acer TravelMate 800 series Laptop, 2462 MHz (High Channel) /Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.5 V/m; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 0.965 W/kg

SAR(1 g) = 0.749 mW/g; SAR(10 g) = 0.350 mW/g

Maximum value of SAR (measured) = 0.764 mW/g



0 dB = 0.764 mW/g

Plot #3

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (Middle Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; IBM ThinkPad Laptop, Model Number: 2645

11 Mbps for 802.11b 20 MHz

Communication System: CW; Frequency: 2437 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

IBM ThinkPad Laptop, 2437 MHz (Middle Channel) /Area Scan (71x91x1):

Maximum value of SAR (interpolated) = 0.838 mW/g

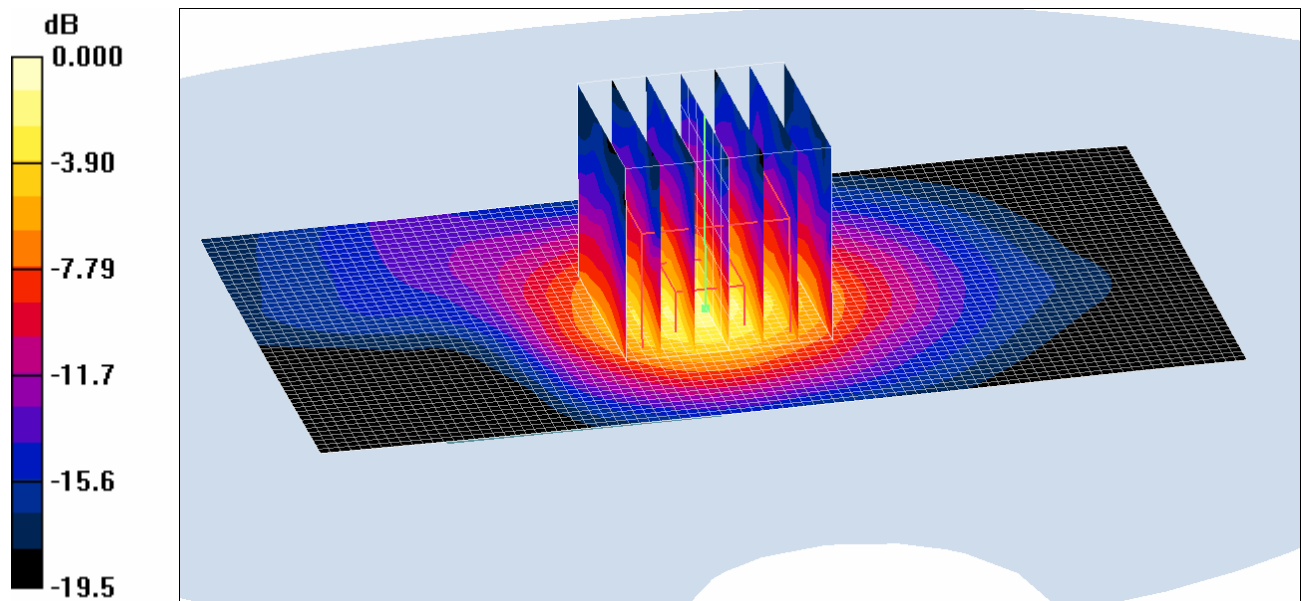
IBM ThinkPad Laptop, 2437 MHz (Middle Channel) /Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.1 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.887 W/kg

SAR(1 g) = 0.836 mW/g; SAR(10 g) = 0.331 mW/g

Maximum value of SAR (measured) = 0.845 mW/g



0 dB = 0.845 mW/g

Plot #4

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)**EUT back touching to the flat phantom (Low Channel)**

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; IBM ThinkPad Laptop, Model Number: 2645

11 Mbps for 802.11b 20 MHz

Communication System: CW; Frequency: 2412 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

IBM ThinkPad Laptop, 2412 MHz (Low Channel) /Area Scan (71x91x1):

Maximum value of SAR (interpolated) = 0.726 mW/g

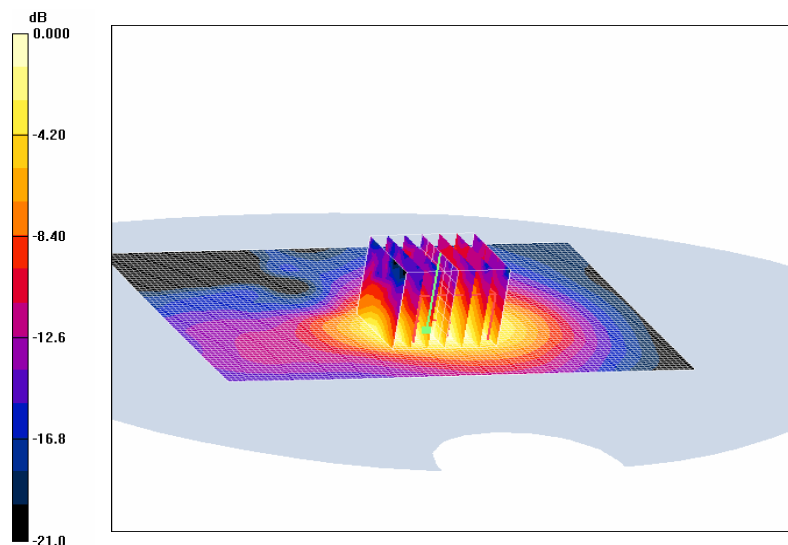
IBM ThinkPad Laptop, 2412 MHz (Low Channel) /Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.4 V/m; Power Drift = 0.027 dB

Peak SAR (extrapolated) = 0.692 W/kg

SAR(1 g) = 0.696 mW/g; SAR(10 g) = 0.361 mW/g

Maximum value of SAR (measured) = 0.714 mW/g



0 dB = 0.714 mW/g

Plot #5

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (High Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; IBM ThinkPad Laptop, Model Number: 2645

11 Mbps for 802.11b 20 MHz

Communication System: CW; Frequency: 2462 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

IBM ThinkPad Laptop, 2462Hz (High Channel) /Area Scan (71x91x1):

Maximum value of SAR (interpolated) = 0.684 mW/g

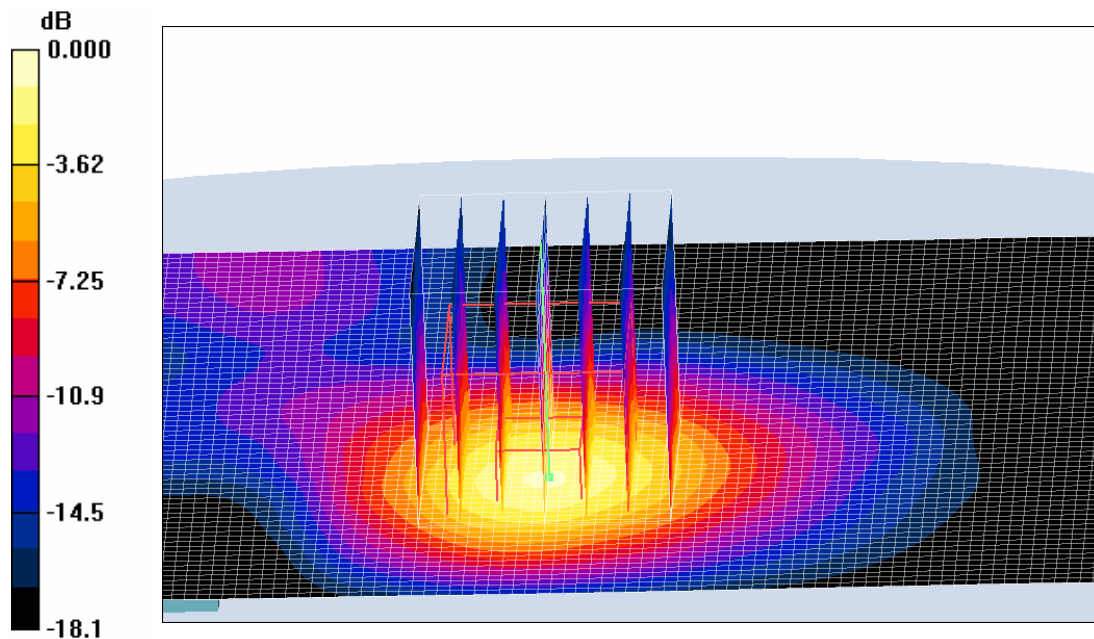
IBM ThinkPad Laptop, 2462Hz (High Channel) /Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.9 V/m; Power Drift = -0.054 dB

Peak SAR (extrapolated) = 0.846 W/kg

SAR(1 g) = 0.661 mW/g; SAR(10 g) = 0.296 mW/g

Maximum value of SAR (measured) = 0.672 mW/g



0 dB = 0.672 mW/g

Plot#6

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)**EUT back touching to the flat phantom (Middle Channel)**

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Sony Laptop, Model Number: PCG-8E2L

11 Mbps for 802.11b 20 MHz

Communication System: CW; Frequency: 2437 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Sony Laptop, 2437 MHz (Middle Channel) /Area Scan (71x91x1):

Maximum value of SAR (interpolated) = 0.832 mW/g

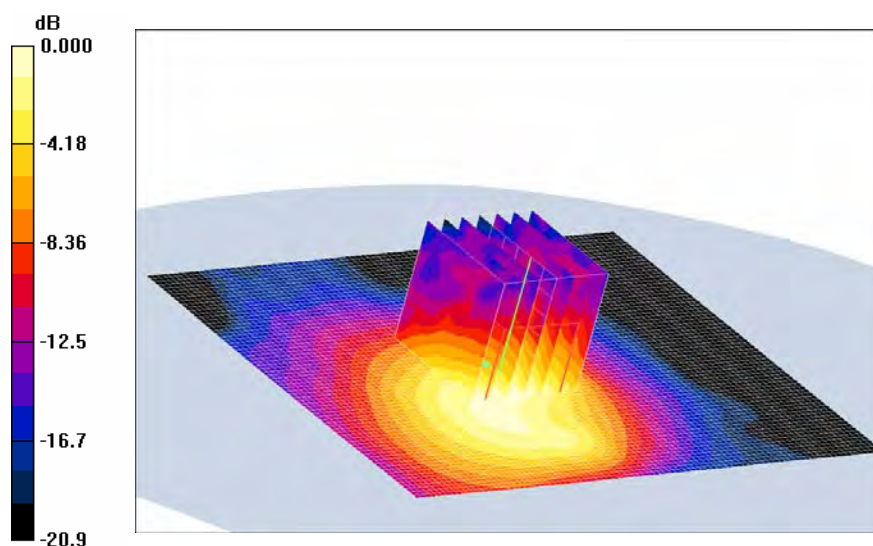
Sony Laptop, 2437 MHz (Middle Channel) /Zoom Scan (7x7x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.72 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.850 W/kg

SAR(1 g) = 0.816 mW/g; SAR(10 g) = 0.447 mW/g

Maximum value of SAR (measured) = 0.825 mW/g



0 dB = 0.825 mW/g

Plot#7

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (Low Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Sony Laptop, Model Number: PCG-8E2L

11 Mbps for 802.11b 20 MHz

Communication System: CW; Frequency: 2412 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

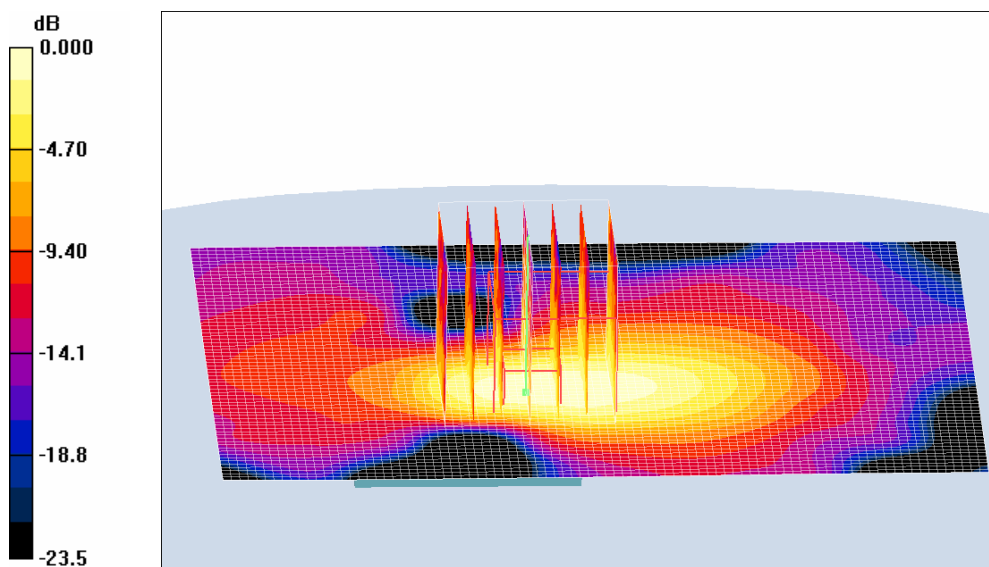
- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Sony Laptop, 2412 MHz (Low Channel) /Area Scan (71x91x1):

Maximum value of SAR (interpolated) = 0.754 mW/g

Sony Laptop, 2412 MHz (Low Channel) /Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.54 V/m; Power Drift = -0.07 dB
 Peak SAR (extrapolated) = 0.270 W/kg
SAR(1 g) = 0.733 mW/g; SAR(10 g) = 0.365 mW/g
 Maximum value of SAR (measured) = 0.756 mW/g



0 dB = 0.756 mW/g

Plot#8

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (High Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Sony Laptop, Model Number: PCG-8E2L

Communication System: CW; Frequency: 2462 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Sony Laptop, 2462 MHz (High Channel) /Area Scan (71x91x1):

Maximum value of SAR (interpolated) = 0.722 mW/g

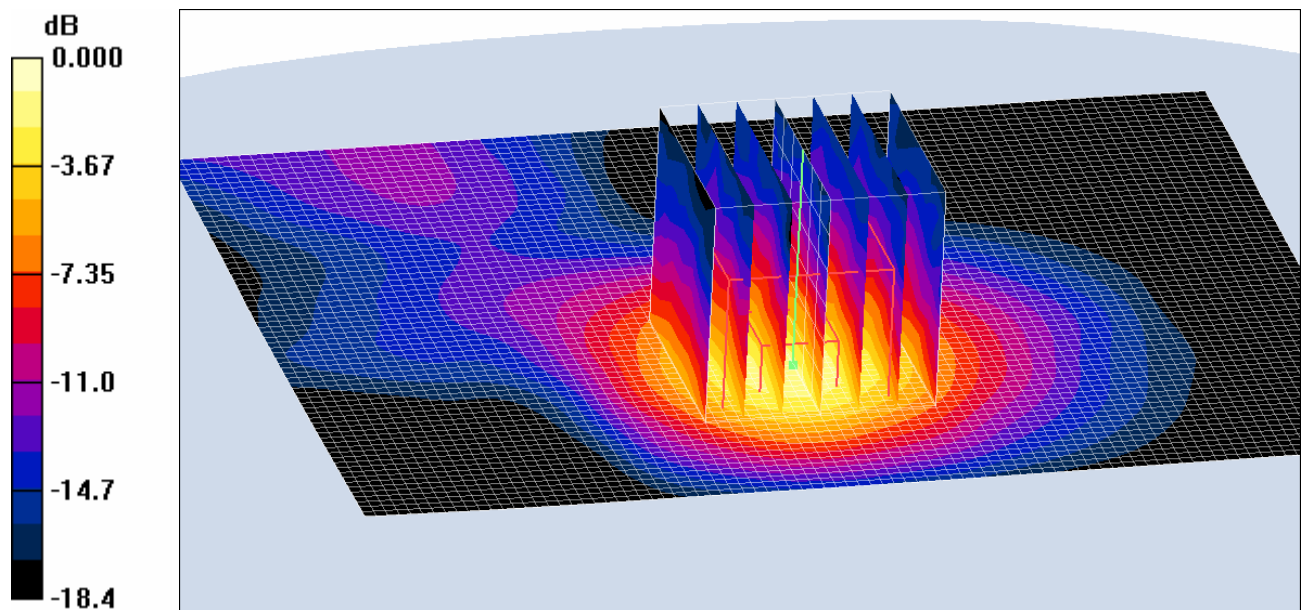
Sony Laptop, 2462 MHz (High Channel) /Zoom Scan (7x7x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.9 V/m; Power Drift = -0.054 dB

Peak SAR (extrapolated) = 0.846 W/kg

SAR(1 g) = 0.705 mW/g; SAR(10 g) = 0.326 mW/g

Maximum value of SAR (measured) = 0.713 mW/g



0 dB = 0.713 mW/g

Plot#9

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (High Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Acer TravelMate 800 series Laptop, Model Number: ZG1S

11 Mbps for 802.11b 40 MHz

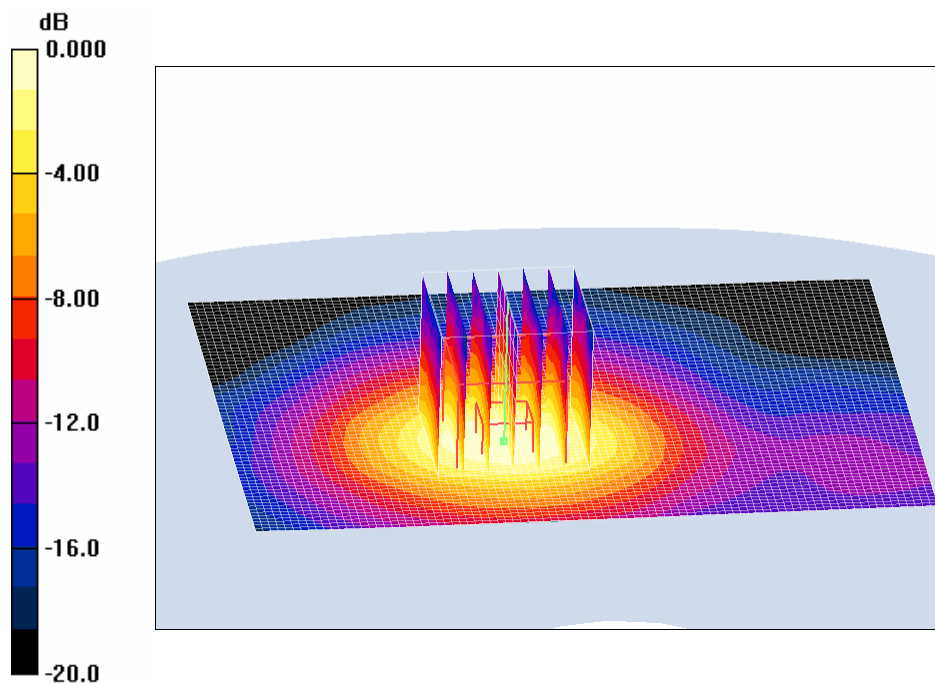
Communication System: CW; Frequency: 2452 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.96 \text{ mho/m}$; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Acer TravelMate 800 series Laptop, 2452 MHz (High Channel) /Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 0.614 mW/g

Acer TravelMate 800 series Laptop, 2452 MHz (High Channel) /Zoom Scan (5x5x7) /Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$ Reference Value = 16.1 V/m; Power Drift = -0.074 dB
 Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.545 mW/g; SAR(10 g) = 0.294 mW/g
 Maximum value of SAR (measured) = 0.589 mW/g



0 dB = 0.589 mW/g

Plot#10

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (High Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; IBM ThinkPad Laptop, Model Number: 2645

11 Mbps for 802.11b 40 MHz

Communication System: CW; Frequency: 2452 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

IBM ThinkPad Laptop, 2452 MHz (High Channel) /Area Scan (71x91x1):

Maximum value of SAR (interpolated) = 0.491 mW/g

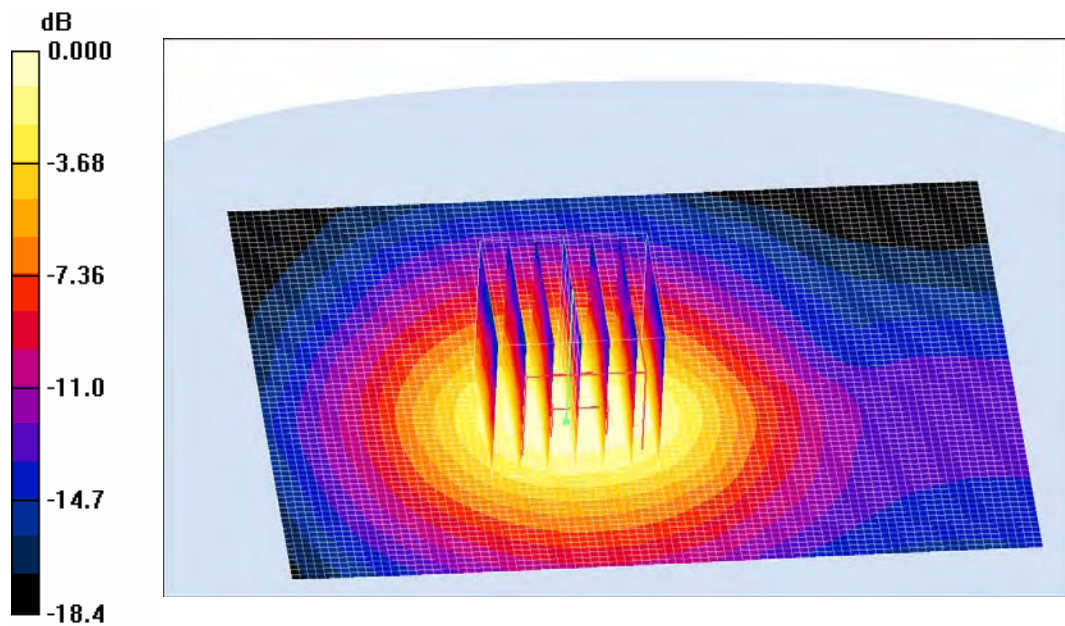
IBM ThinkPad Laptop, 2452 MHz (High Channel) /Zoom Scan (7x7x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.0 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 0.864 W/kg

SAR(1 g) = 0.444 mW/g; SAR(10 g) = 0.247 mW/g

Maximum value of SAR (measured) = 0.478 mW/g



0 dB = 0.478 mW/g

Plot#11

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (High Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Sony Laptop, Model Number: PCG-8E2L

11 Mbps for 802.11b 40 MHz

Communication System: CW; Frequency: 2452 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2450 \text{ MHz}$; $\sigma = 1.96 \text{ mho/m}$; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

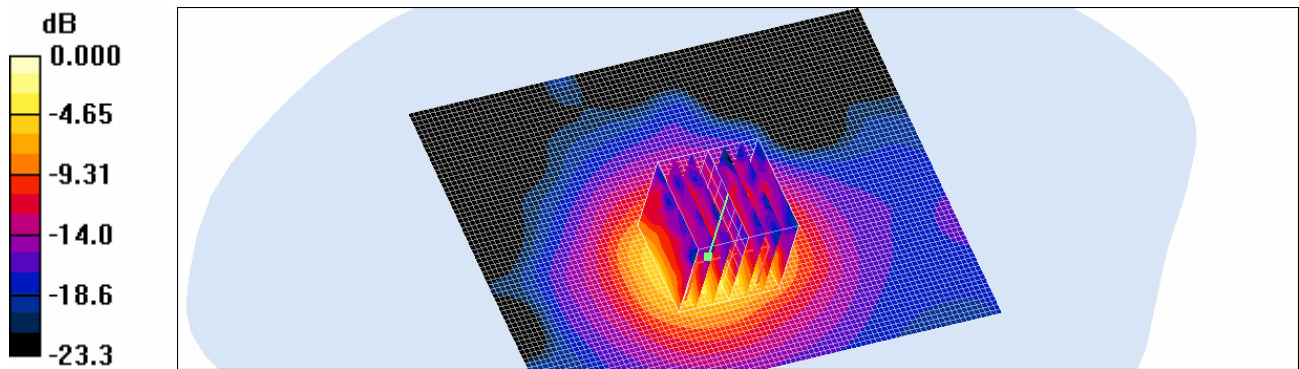
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Sony Laptop, 2452 MHz (High Channel)/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.511 mW/g

Sony Laptop, 2452 MHz (High Channel)/Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 16.4 V/m; Power Drift = -0.06 dB
 Peak SAR (extrapolated) = 0.907 W/kg
SAR(1 g) = 0.453 mW/g; SAR(10 g) = 0.230 mW/g

Maximum value of SAR (measured) = 0.500 mW/g



Plot#12

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (Middle Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Acer TravelMate 800 series Laptop, Model Number: ZG1S

54 Mbps for 802.11g 20 MHz

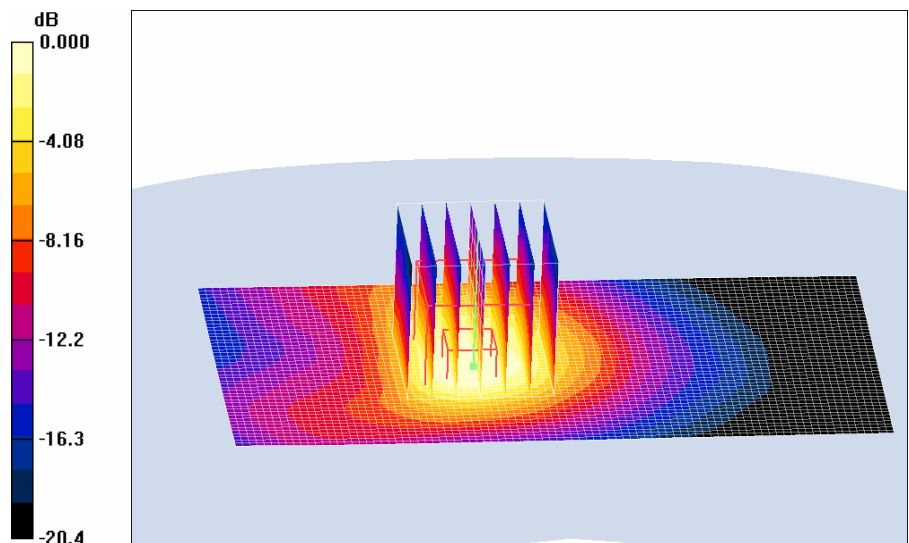
Communication System: CW; Frequency: 2437 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.96 \text{ mho/m}$; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Acer TravelMate 800 series Laptop, 2437 MHz (Middle Channel) /Area Scan (71x91x1): Measurement grid:
 $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 1.03 mW/g

Acer TravelMate 800 series Laptop, 2437 MHz (Middle Channel) /Zoom Scan (5x5x7) /Cube 0: Measurement grid:
 $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 16.9 V/m; Power Drift = -0.178 dB
 Peak SAR (extrapolated) = 1.69 W/kg
SAR(1 g) = 0.829 mW/g; SAR(10 g) = 0.432 mW/g
 Maximum value of SAR (measured) = 0.901 mW/g



0 dB = 0.901 mW/g

Plot#13

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (Low Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Acer TravelMate 800 series Laptop, Model Number: ZG1S

54 Mbps for 802.11g 20 MHz

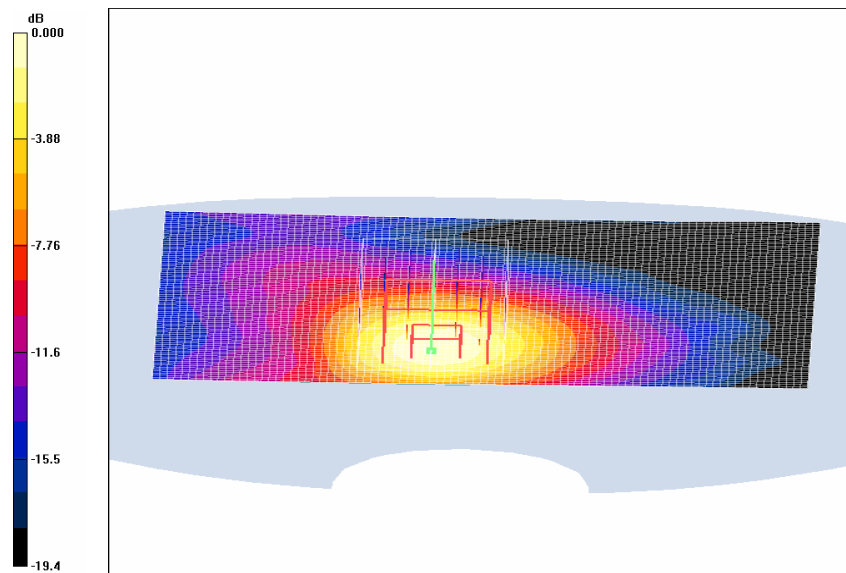
Communication System: CW; Frequency: 2412 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.96 \text{ mho/m}$; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Acer TravelMate 800 series Laptop, 2412 MHz (Low Channel) /Area Scan (81x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.485 mW/g

Acer TravelMate 800 series Laptop, 2412 MHz (Low Channel) /Zoom Scan (5x5x7) /Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 13.6 V/m; Power Drift = -0.156 dB
 Peak SAR (extrapolated) = 0.917 W/kg
SAR(1 g) = 0.461 mW/g; SAR(10 g) = 0.249 mW/g
 Maximum value of SAR (measured) = 0.499 mW/g



0 dB = 0.499 mW/g

Plot#14

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (High Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Acer TravelMate 800 series Laptop, Model Number: ZG1S

54 Mbps for 802.11g 20 MHz

Communication System: CW; Frequency: 2462 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

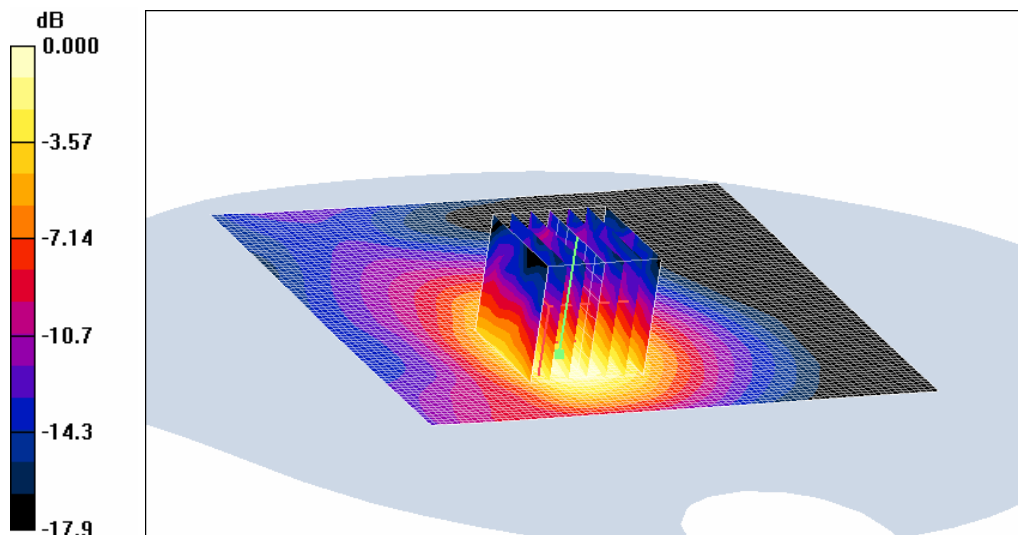
DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Acer TravelMate 800 series Laptop, 2462 MHz (High Channel) /Area Scan (71x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.415 mW/g

Acer TravelMate 800 series Laptop, 2412 MHz (Low Channel) /Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.6 V/m; Power Drift = -0.115 dB
 Peak SAR (extrapolated) = 0.960 W/kg
SAR(1 g) = 0.402 mW/g; SAR(10 g) = 0.155 mW/g
 Maximum value of SAR (measured) = 0.424 mW/g



0 dB = 0.424 mW/g

Plot#15

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (Middle Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; IBM ThinkPad Laptop, Model Number: 2645

54 Mbps for 802.11g 20 MHz

Communication System: CW; Frequency: 2437 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

IBM ThinkPad Laptop, 2437 MHz (Middle Channel)/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.929 mW/g

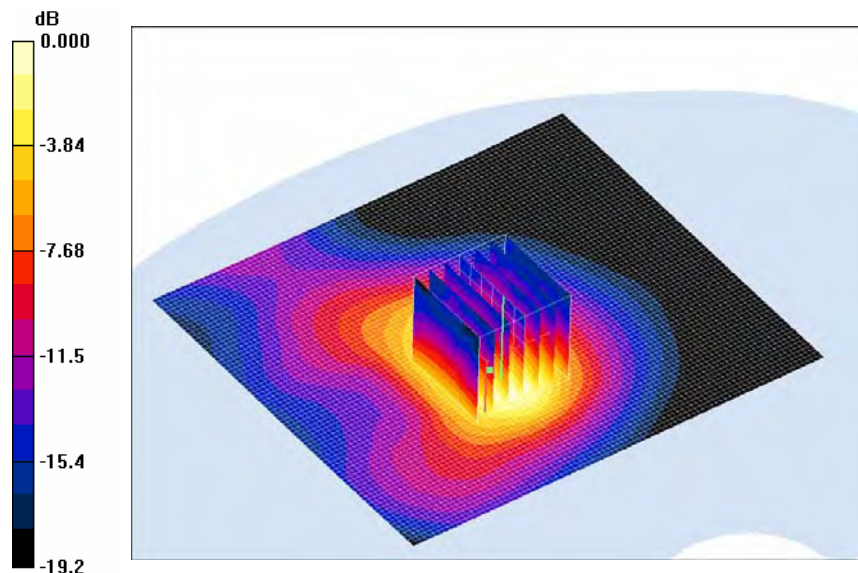
IBM ThinkPad Laptop, 2437 MHz (Middle Channel)/Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.8 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 0.853 mW/g; SAR(10 g) = 0.447 mW/g

Maximum value of SAR (measured) = 0.928 mW/g



0 dB = 0.928 mW/g

Plot#16

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (Low Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; IBM ThinkPad Laptop, Model Number: 2645

54 Mbps for 802.11g 20 MHz

Communication System: CW; Frequency: 2412 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

IBM ThinkPad Laptop, 2412 MHz (Low Channel)/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.612 mW/g

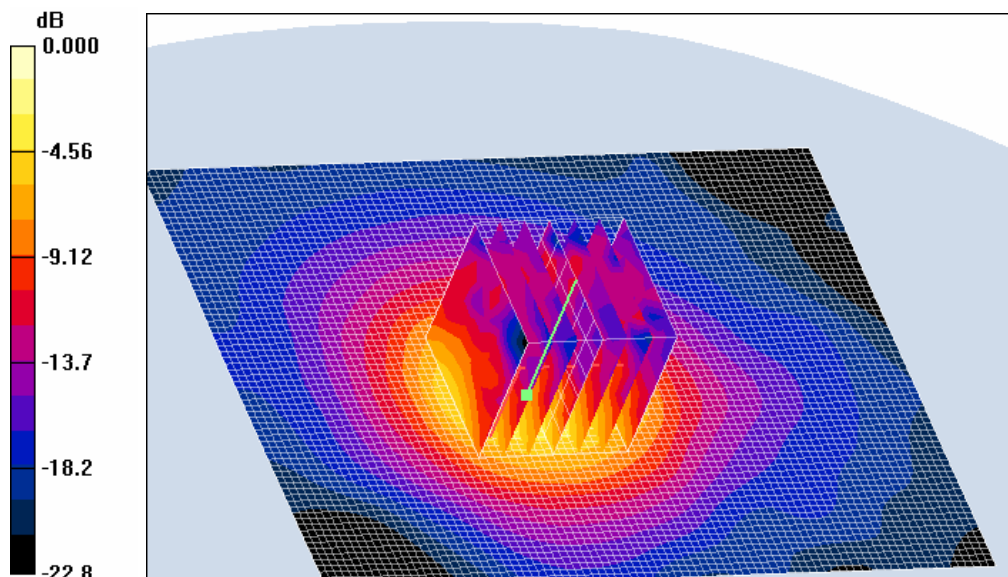
IBM ThinkPad Laptop, 2412 MHz (Low Channel)/Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.1 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.576 mW/g; SAR(10 g) = 0.306 mW/g

Maximum value of SAR (measured) = 0.619 mW/g



0 dB = 0.619 mW/g

Plot#17

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (High Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; IBM ThinkPad Laptop, Model Number: 2645

54 Mbps for 802.11g 20 MHz

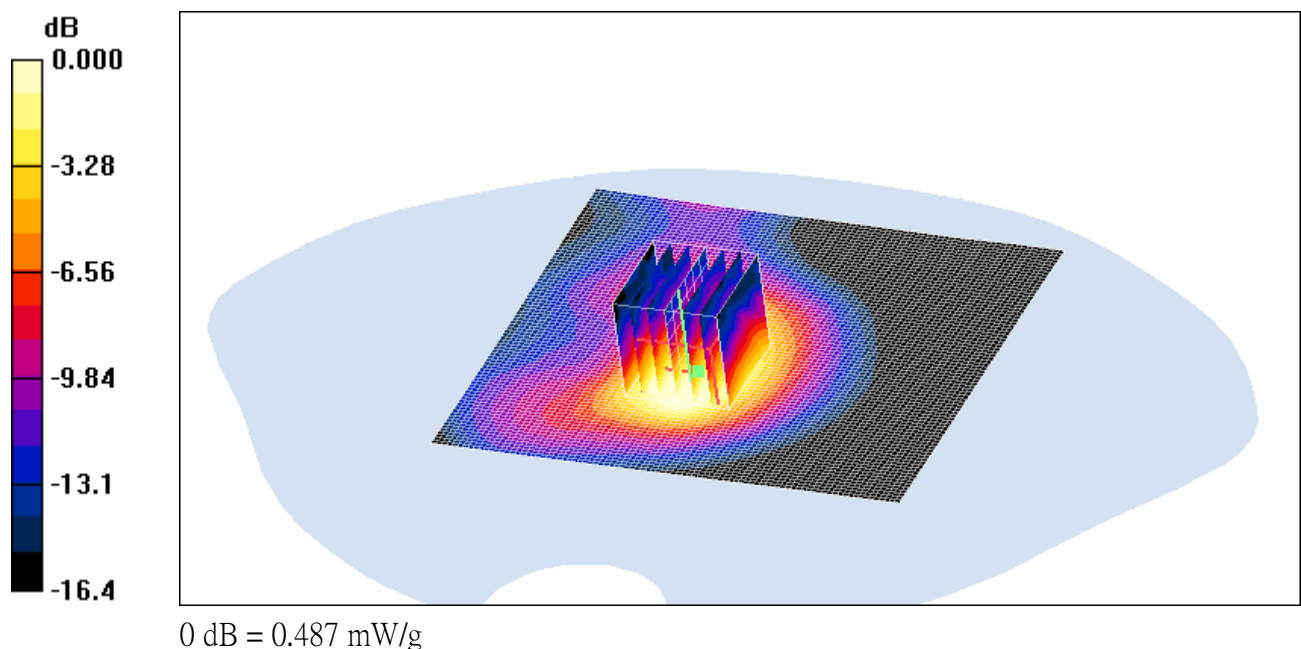
Communication System: CW; Frequency: 2462 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

IBM ThinkPad Laptop, 2462 MHz (Middle Channel)/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.517 mW/g

IBM ThinkPad Laptop, 2462 MHz (High Channel)/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 11.9 V/m; Power Drift = 0.017 dB
 Peak SAR (extrapolated) = 0.913 W/kg
SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.248 mW/g
 Maximum value of SAR (measured) = 0.487 mW/g



Plot#18

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (Middle Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Sony Laptop, Model Number: PCG-8E2L

54 Mbps for 802.11g 20 MHz

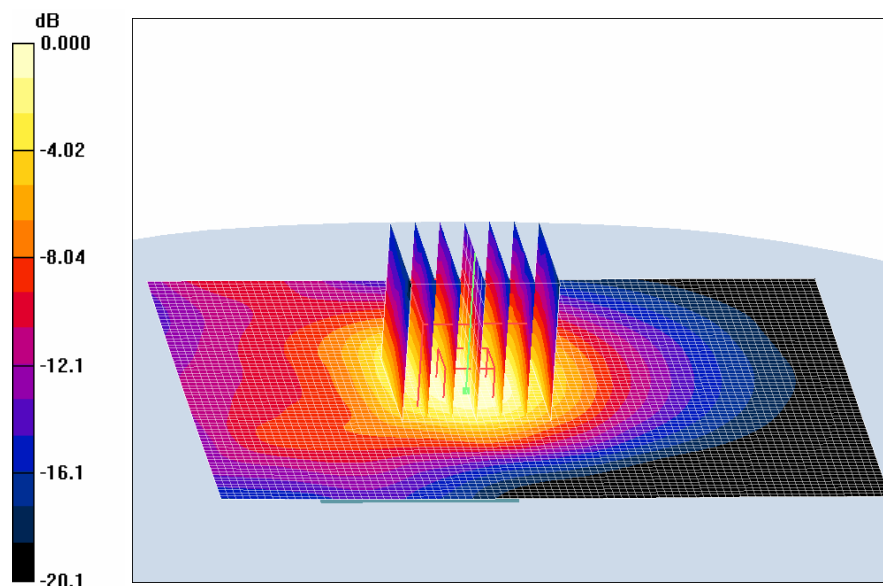
Communication System: CW; Frequency: 2437 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Sony Laptop, 2437 MHz (Middle Channel)/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.885 mW/g

Sony Laptop, 2437 MHz (Middle Channel)/Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 15.9 V/m; Power Drift = -0.083 dB
 Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.848 mW/g; SAR(10 g) = 0.463 mW/g
 Maximum value of SAR (measured) = 0.894 mW/g



0 dB = 0.894 mW/g

Plot#19

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (Low Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Sony Laptop, Model Number: PCG-8E2L

54 Mbps for 802.11g 20 MHz

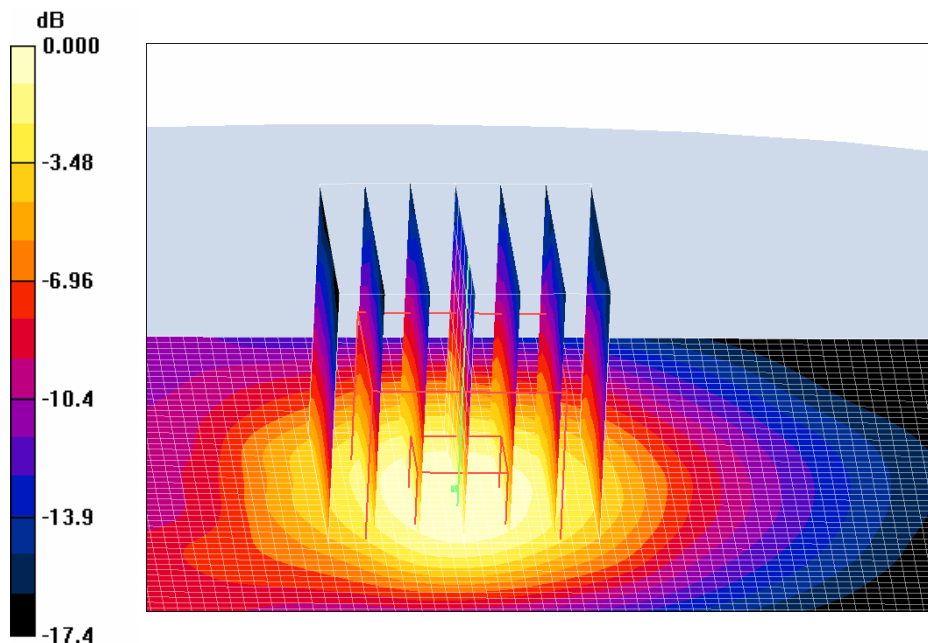
Communication System: CW; Frequency: 2412 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Sony Laptop, 2412 MHz (Low Channel)/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.565 mW/g

Sony Laptop, 2412 MHz (Low Channel)/Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 19.9 V/m; Power Drift = -0.08 dB
 Peak SAR (extrapolated) = 0.708 W/kg
SAR(1 g) = 0.528 mW/g; SAR(10 g) = 0.208 mW/g
 Maximum value of SAR (measured) = 0.533 mW/g



0 dB = 0.533 mW/g

Plot#20

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (High Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Sony Laptop, Model Number: PCG-8E2L

54 Mbps for 802.11g 20 MHz

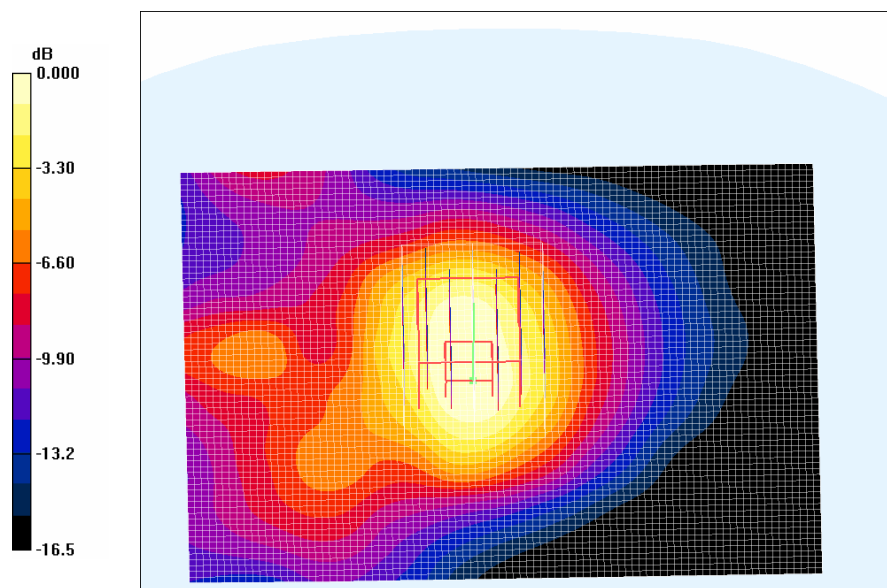
Communication System: CW; Frequency: 2462 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Sony Laptop, 2462 MHz (High Channel)/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.458 mW/g

Sony Laptop, 2462 MHz (High Channel)/Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 12.8 V/m; Power Drift = -0.06 dB
 Peak SAR (extrapolated) = 0.738 W/kg
SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.224 mW/g
 Maximum value of SAR (measured) = 0.430 mW/g



0 dB = 0.430 mW/g

Plot#21

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (Middle Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Acer TravelMate 800 series Laptop, Model Number: ZG1S

54 Mbps for 802.11g 40 MHz

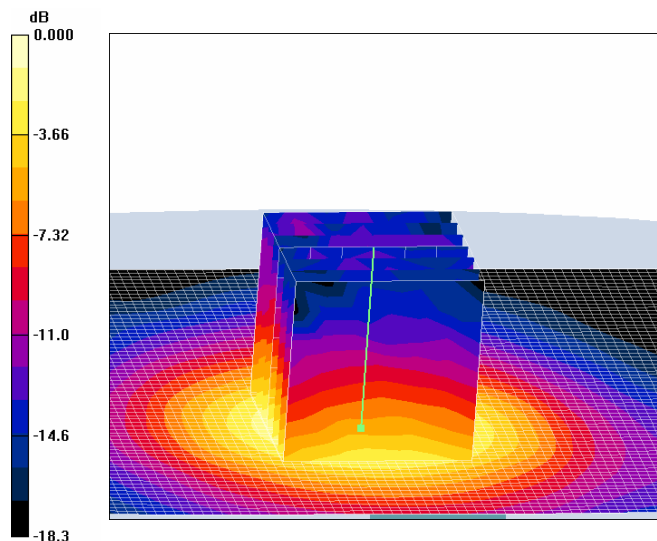
Communication System: CW; Frequency: 2437 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Acer TravelMate 800 series Laptop, 2437 MHz (Middle Channel) /Area Scan (71x91x1): Measurement grid:
 dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.572 mW/g

Acer TravelMate 800 series Laptop, 2437 MHz (Middle Channel) /Zoom Scan (5x5x7) /Cube 0: Measurement grid:
 dx=5mm, dy=5mm, dz=5mm
 Reference Value = 15.0 V/m; Power Drift = -0.039 dB
 Peak SAR (extrapolated) = 0.765 W/kg
SAR(1 g) = 0.542 mW/g; SAR(10 g) = 0.279 mW/g
 Maximum value of SAR (measured) = 0.555 mW/g



0 dB = 0.555 mW/g

Plot#22

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (Middle Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; IBM ThinkPad Laptop, Model Number: 2645

54 Mbps for 802.11g 40 MHz

Communication System: CW; Frequency: 2437 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.96 \text{ mho/m}$; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

IBM ThinkPad Laptop, 2437 MHz (Middle Channel)/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.552 mW/g

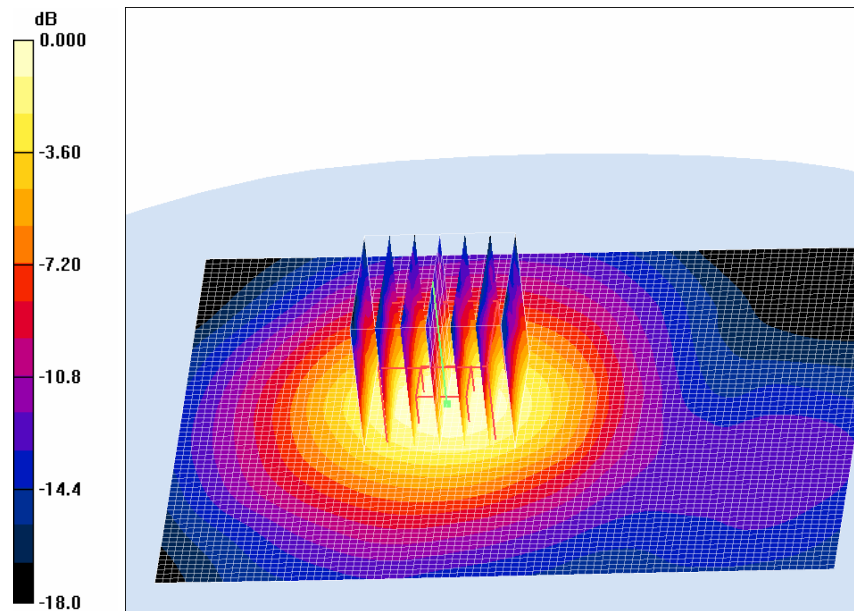
IBM ThinkPad Laptop, 2437 MHz (Middle Channel)/Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.811 W/kg

SAR(1 g) = 0.513 mW/g; SAR(10 g) = 0.280 mW/g

Maximum value of SAR (measured) = 0.553 mW/g



0 dB = 0.553 mW/g

Plot#23

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)**EUT back touching to the flat phantom (Middle Channel)**

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Sony Laptop, Model Number: PCG-8E2L

54 Mbps for 802.11g 40 MHz

Communication System: CW; Frequency: 2437 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Sony Laptop, 2437 MHz (Middle Channel)/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.521 mW/g

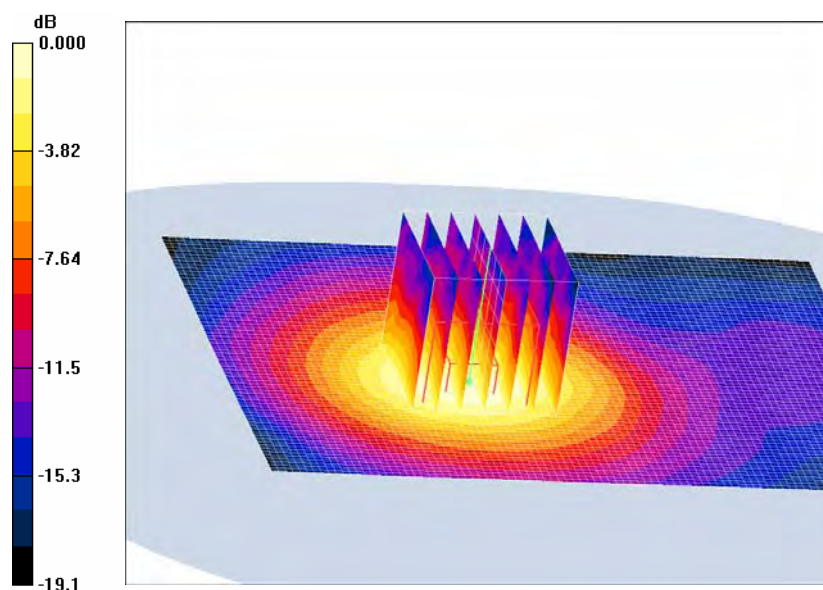
Sony Laptop, 2437 MHz (Middle Channel)/Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.8 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 0.702 W/kg

SAR(1 g) = 0.475 mW/g; SAR(10 g) = 0.260 mW/g

Maximum value of SAR (measured) = 0.506 mW/g



0 dB = 0.506 mW/g

Plot#24

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (Middle Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Acer TravelMate 800 series Laptop, Model Number: ZG1S

MCS11 for 802.11n HT20

Communication System: CW; Frequency: 2437 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Acer TravelMate 800 series Laptop, 2437 MHz (Middle Channel) /Area Scan (71x91x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.718 mW/g

Acer TravelMate 800 series Laptop, 2437 MHz (Middle Channel) /Zoom Scan (5x5x7) /Cube 0: Measurement grid:

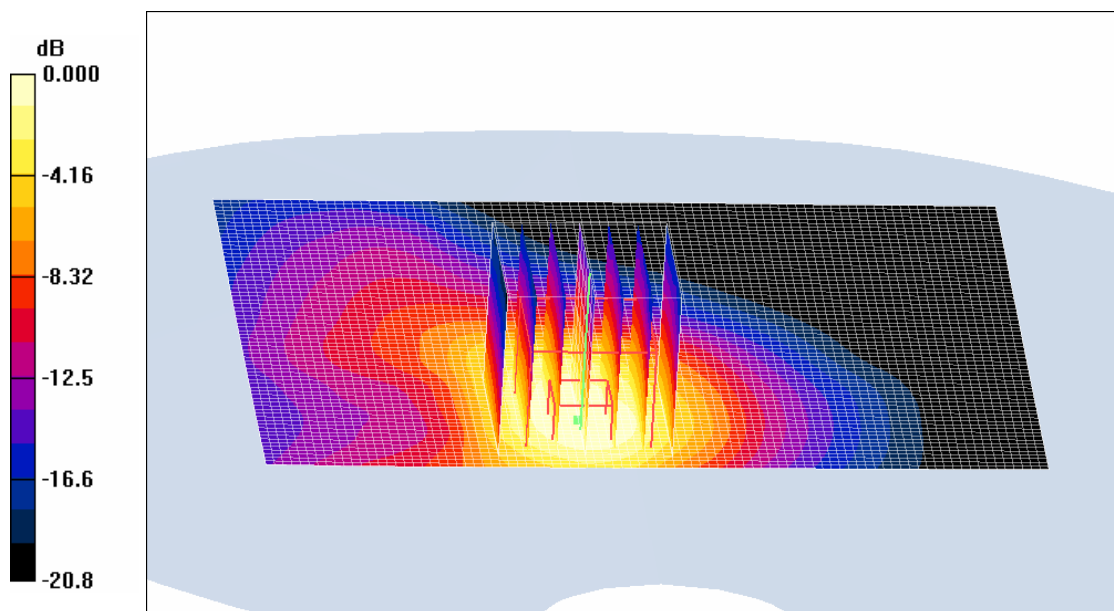
$dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 17.0 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.702 mW/g; SAR(10 g) = 0.331 mW/g

Maximum value of SAR (measured) = 0.711 mW/g



0 dB = 0.711 mW/g

Plot#25

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (Middle Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; IBM ThinkPad Laptop, Model Number: 2645

MCS11 802.11n HT20

Communication System: CW; Frequency: 2437 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

IBM ThinkPad Laptop, 2437 MHz (Middle Channel)/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.735 mW/g

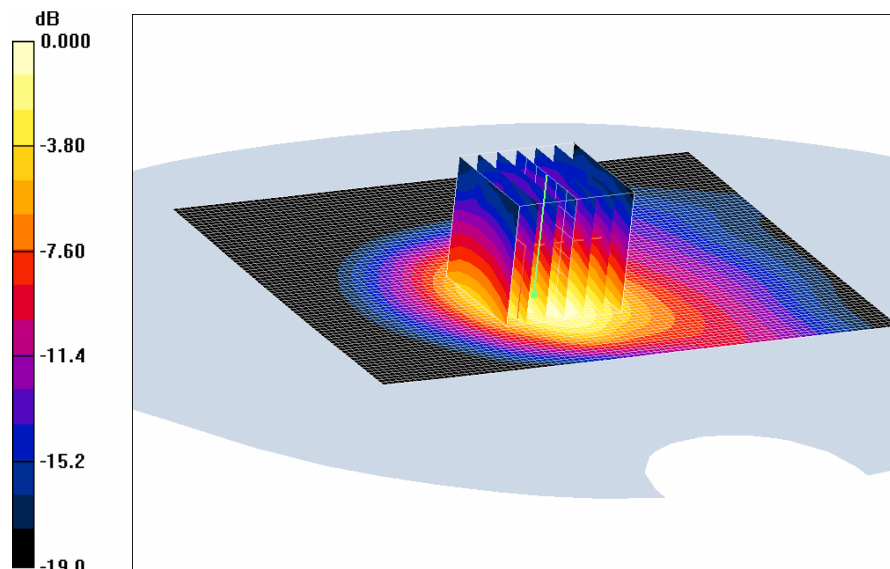
IBM ThinkPad Laptop, 2437 MHz (Middle Channel)/Zoom Scan (7x7x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.6 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.717 mW/g; SAR(10 g) = 0.324 mW/g

Maximum value of SAR (measured) = 0.726 mW/g



0 dB = 0.726 mW/g

Plot#26

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)**EUT back touching to the flat phantom (Middle Channel)****BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Sony Laptop, Model Number: PCG-8E2L**

MCS11 for 802.11n HT20

Communication System: CW; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Sony Laptop, 2437 MHz (Middle Channel)/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.707 mW/g

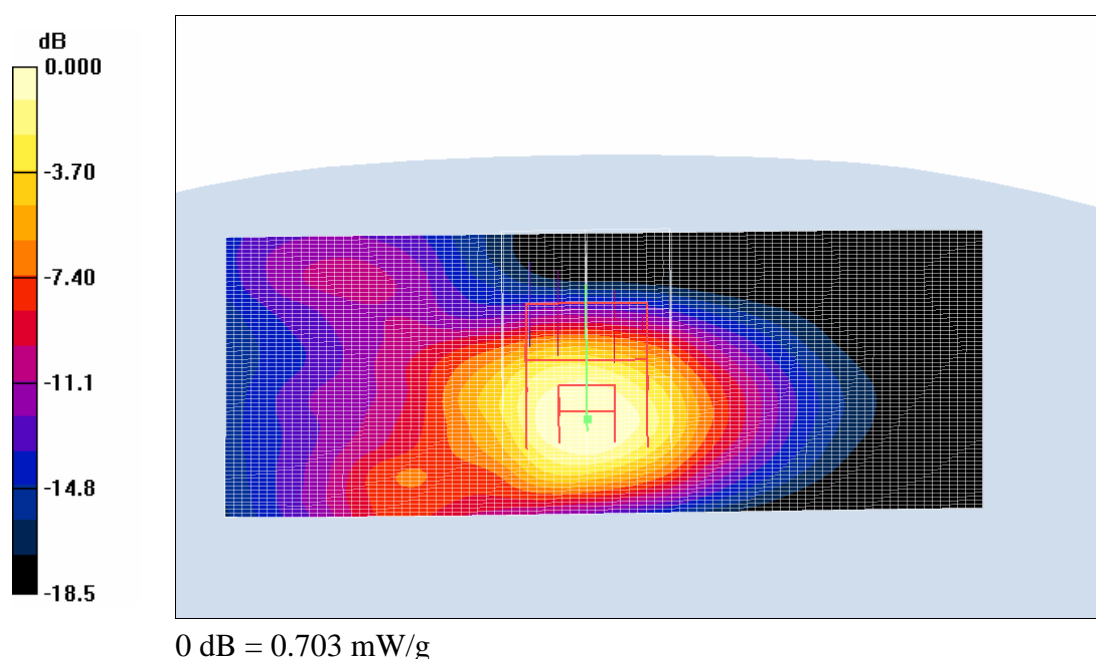
Sony Laptop, 2437 MHz (Middle Channel)/Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.2 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.919 W/kg

SAR(1 g) = 0.694 mW/g; SAR(10 g) = 0.302 mW/g

Maximum value of SAR (measured) = 0.703 mW/g



Plot#27

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (Middle Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Acer TravelMate 800 series Laptop, Model Number: ZG1S

MCS15 802.11n HT40

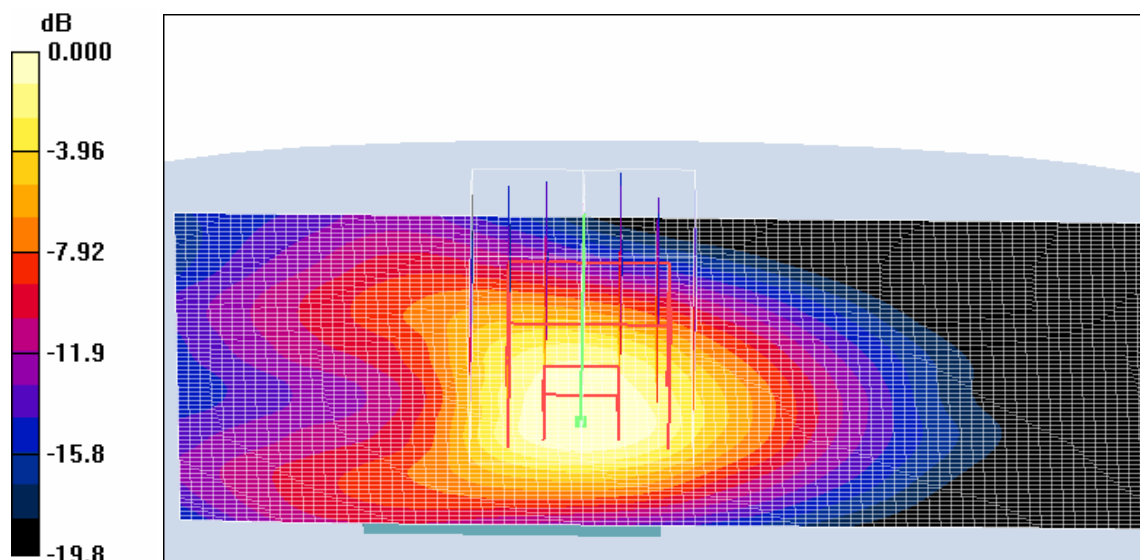
Communication System: CW; Frequency: 2437 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Acer TravelMate 800 series Laptop, 2437 MHz (Middle Channel) /Area Scan (71x91x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm
 Maximum value of SAR (interpolated) = 0.816 mW/g

Acer TravelMate 800 series Laptop, 2437 MHz (Middle Channel) /Zoom Scan (5x5x7) /Cube 0: Measurement grid:
 $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 19.9 V/m; Power Drift = -0.02 dB
 Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.786 mW/g; SAR(10 g) = 0.323 mW/g
 Maximum value of SAR (measured) = 0.806 mW/g



Plot#28

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (Middle Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; IBM ThinkPad Laptop, Model Number: 2645

MCS11 802.11n HT40

Communication System: CW; Frequency: 2437 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

IBM ThinkPad Laptop, 2437 MHz (Middle Channel)/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.760 mW/g

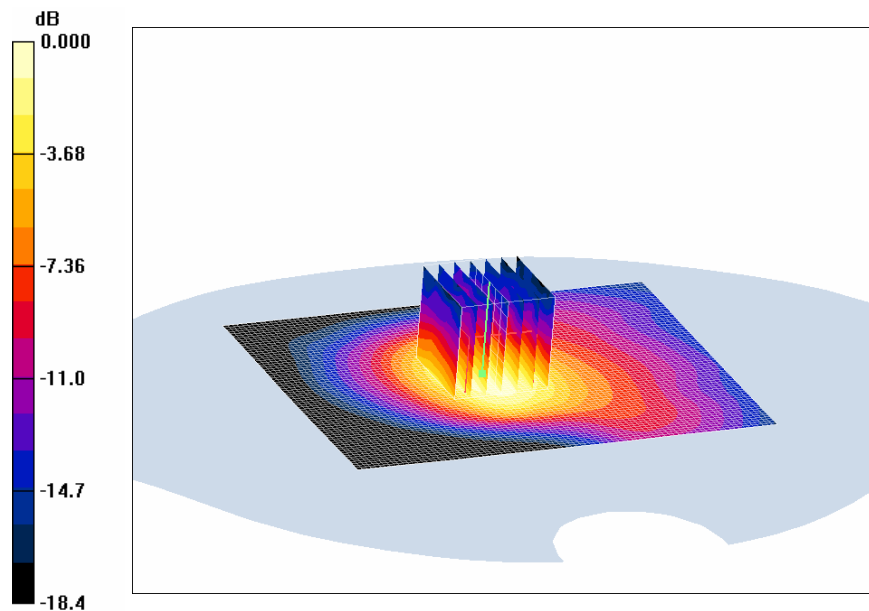
IBM ThinkPad Laptop, 2437 MHz (Middle Channel)/Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.1 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.838 W/kg

SAR(1 g) = 0.685 mW/g; SAR(10 g) = 0.374 mW/g

Maximum value of SAR (measured) = 0.704 mW/g



0 dB = 0.704 mW/g

Plot#29

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (Middle Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Sony Laptop, Model Number: PCG-8E2L

MCS11 for 802.11n HT20

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1604; ConvF(4.27, 4.27, 4.27); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Sony Laptop, 2437 MHz (Middle Channel)/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.804 mW/g

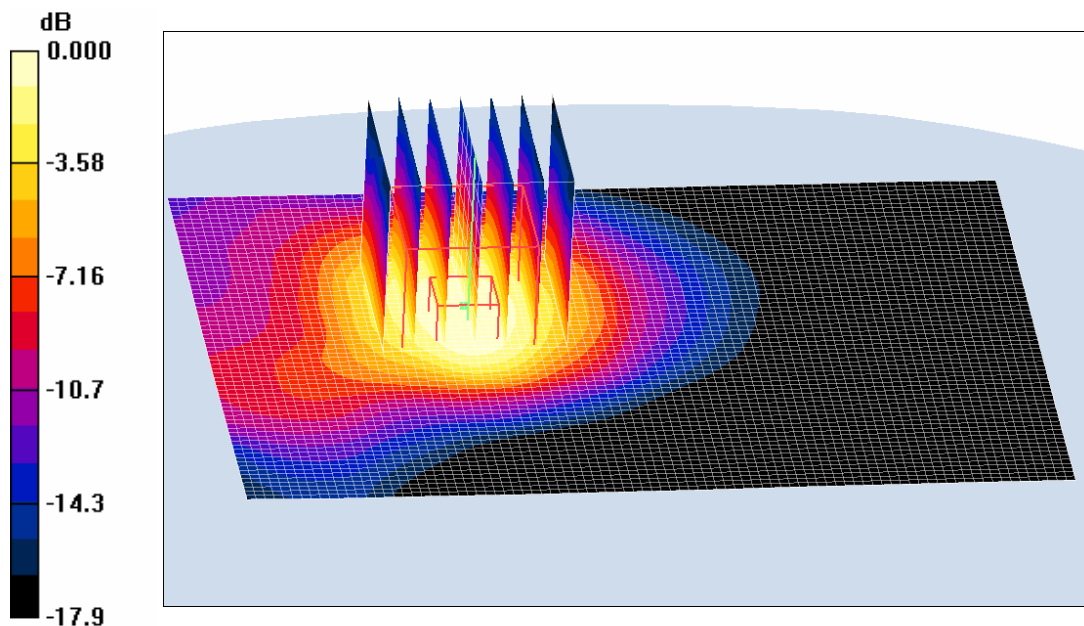
Sony Laptop, 2437 MHz (Middle Channel)/Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.37 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.788 mW/g; SAR(10 g) = 0.376 mW/g

Maximum value of SAR (measured) = 0.792 mW/g



0 dB = 0.792 mW/g

Plot#30

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (Middle Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Acer TravelMate 800 series Laptop, Model Number: ZG1S

W52 9 Mbps for 802.11a 20 MHz (5180-5240 MHz)

Communication System: CW; Frequency: 5220 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Acer TravelMate 800 series Laptop, 5220 MHz (Middle Channel)/Area Scan (71x91x1): Measurement grid:

$dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.235 mW/g

Acer TravelMate 800 series Laptop, 5220 MHz (Middle Channel)/Zoom Scan (11x11x11)/Cube 0: Measurement grid:

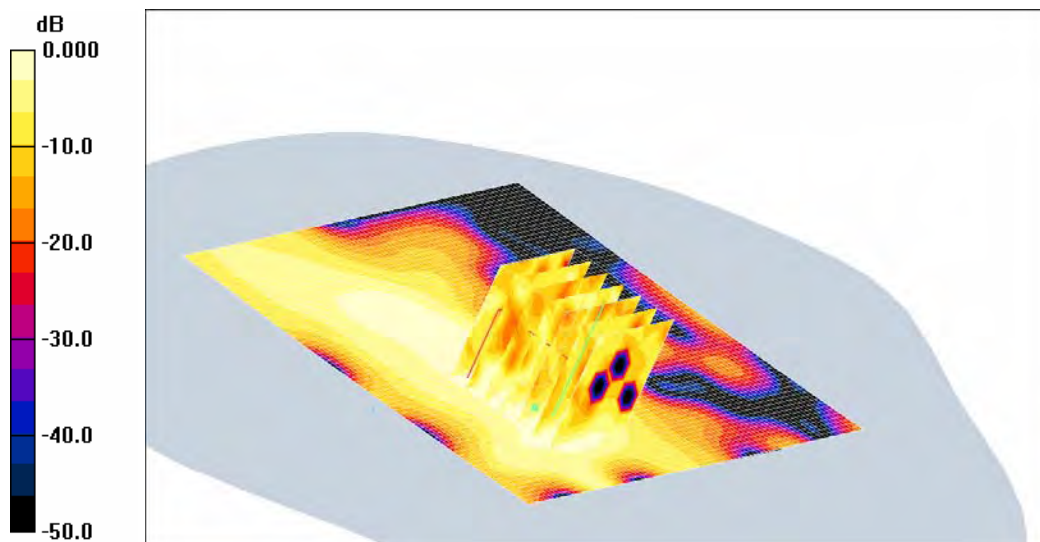
$dx=3$ mm, $dy=3$ mm, $dz=2.5$ mm

Reference Value = 4.41 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.531 W/kg

SAR(1 g) = 0.260 mW/g; SAR(10 g) = 0.075 mW/g

Maximum value of SAR (measured) = 0.240 mW/g



0 dB = 0.240 mW/g

Plot#31

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (Middle Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; IBM ThinkPad Laptop, Model Number: 2645

W52 9 Mbps for 802.11a 20 MHz (5180-5240 MHz)

Communication System: CW; Frequency: 5220 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

IBM ThinkPad Laptop, 5220 MHz (Middle Channel)/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.412 mW/g

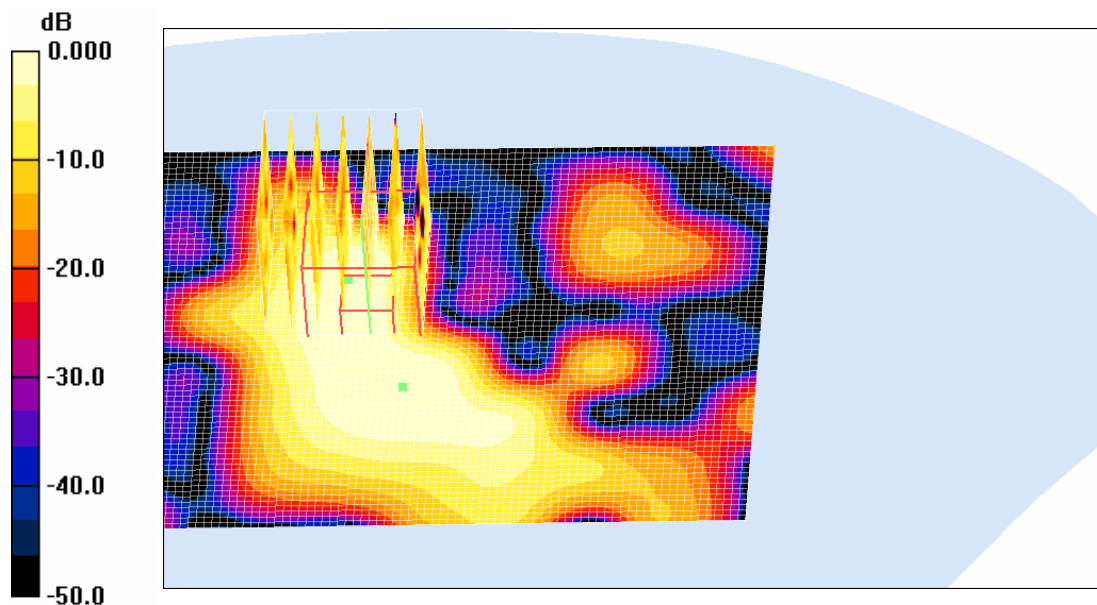
IBM ThinkPad Laptop, 5220 MHz (Middle Channel)/Zoom Scan (11x11x11) /Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm

Reference Value = 9.01 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.584 W/kg

SAR(1 g) = 0.395 mW/g; SAR(10 g) = 0.155 mW/g

Maximum value of SAR (measured) = 0.409 mW/g



Plot#32

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (Middle Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Sony Laptop, Model Number: PCG-8E2L

W52 9 Mbps for 802.11a 20 MHz (5180-5240 MHz)

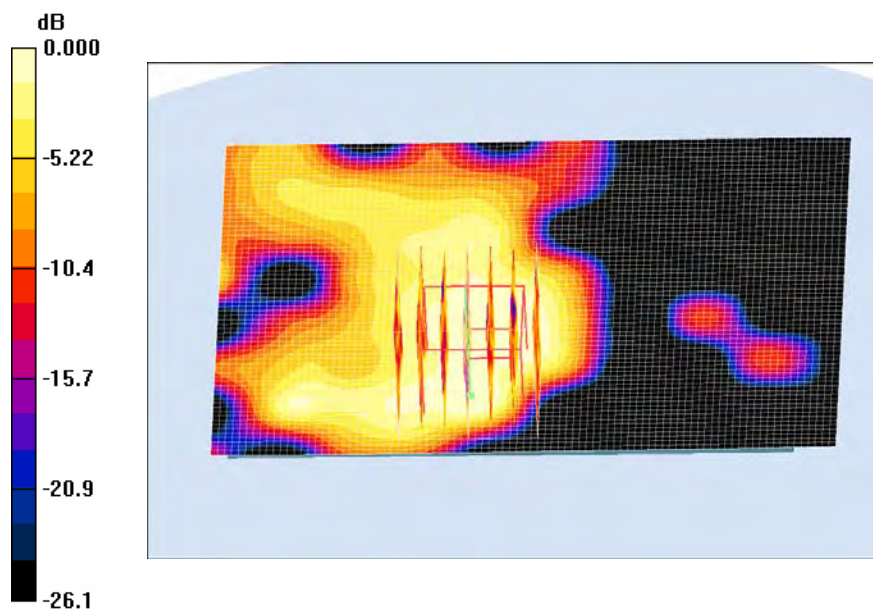
Communication System: CW; Frequency: 5220 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Sony Laptop, 5220 MHz (Middle Channel)/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.431 mW/g

Sony Laptop, 5220 MHz (Middle Channel)/Zoom Scan (11x11x11) /Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm
 Reference Value = 6.71 V/m; Power Drift = -0.008 dB
 Peak SAR (extrapolated) = 0.551 W/kg
SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.029 mW/g
 Maximum value of SAR (measured) = 0.280 mW/g



0 dB = 0.280 mW/g

Plot#33

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (5230 MHz)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Acer TravelMate 800 series Laptop, Model Number: ZG1S

W52 9 Mbps for 802.11a 40 MHz (5190/5230 MHz)

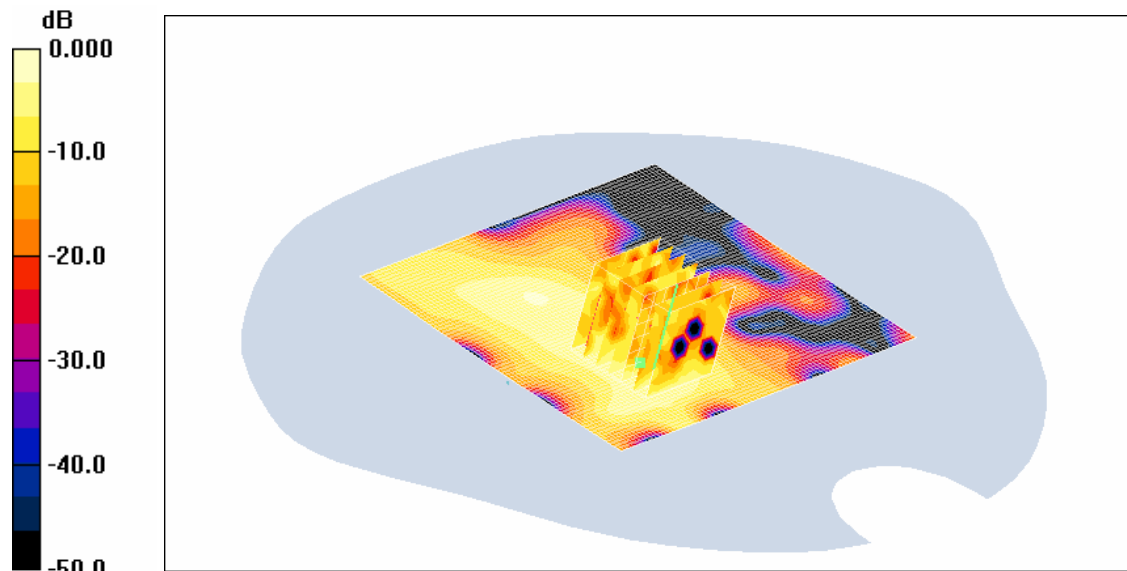
Communication System: CW; Frequency: 5230 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Acer TravelMate 800 series Laptop, 5230 MHz/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.417 mW/g

Acer TravelMate 800 series Laptop, 5230 MHz/Zoom Scan (11x11x11) /Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm
 Reference Value = 6.32 V/m; Power Drift = -0.010 dB
 Peak SAR (extrapolated) = 0.537 W/kg
SAR(1 g) = 0.259 mW/g; SAR(10 g) = 0.058 mW/g
 Maximum value of SAR (measured) = 0.384 mW/g



0 dB = 0.384mW/g

Plot#34

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (5230 MHz)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; IBM ThinkPad Laptop, Model Number: 2645

W52.9 Mbps for 802.11a 40 MHz (5190/5230 MHz)

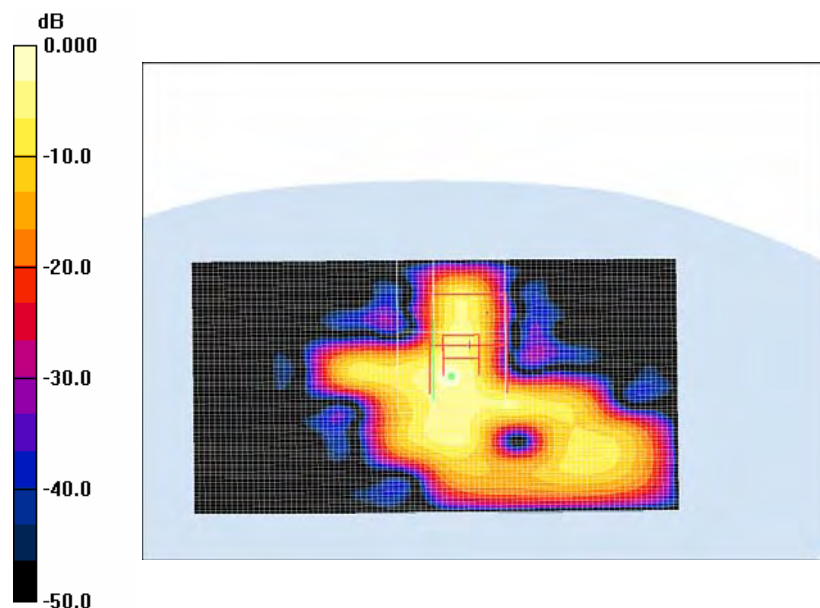
Communication System: CW; Frequency: 5230 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

IBM ThinkPad Laptop, 5230 MHz/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.260 mW/g

IBM ThinkPad Laptop, 5230 MHz/Zoom (11x11x11) /Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm
 Reference Value = 4.31 V/m; Power Drift = 0.068 dB
 Peak SAR (extrapolated) = 0.309 W/kg
SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.031 mW/g
 Maximum value of SAR (measured) = 0.350 mW/g



0 dB = 0.350 mW/g

Plot#35

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)**EUT back touching to the flat phantom (5230 MHz)****BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Sony Laptop, Model Number: PCG-8E2L**

W52 9 Mbps for 802.11a 40 MHz (5190/5230 MHz)

Communication System: CW; Frequency: 5230 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Sony Laptop, 5230 MHz/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.372 mW/g

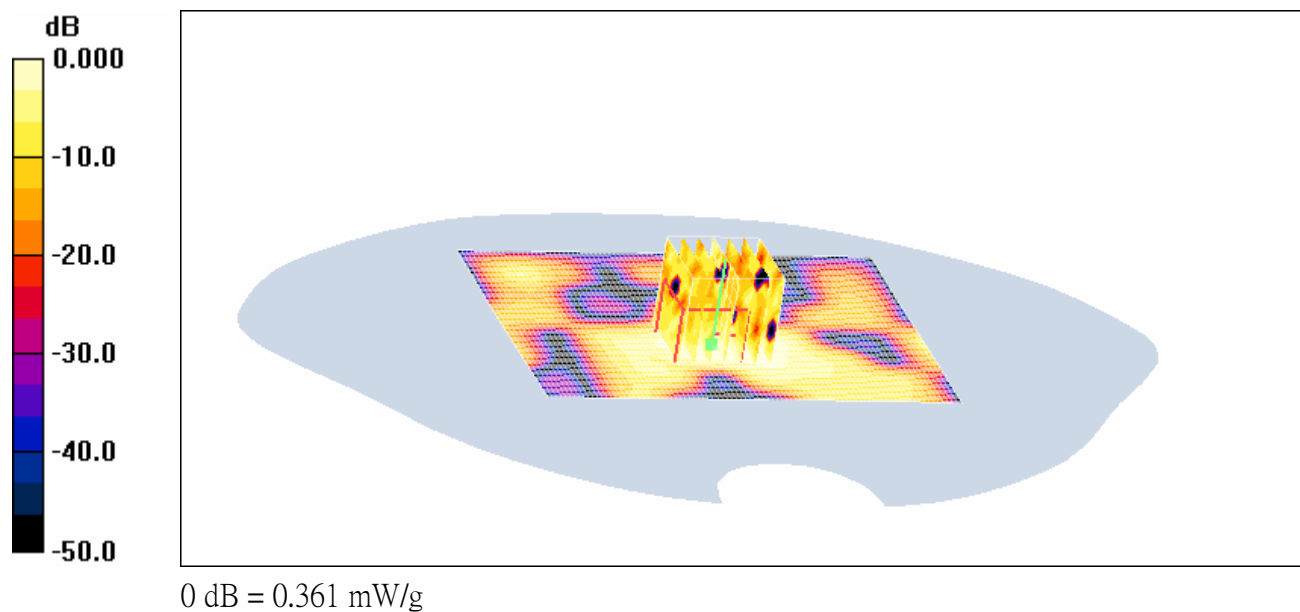
Sony Laptop, 5230 MHz/Zoom Scan (11x11x11) /Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm

Reference Value = 11.5 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 0.324 W/kg

SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.023 mW/g

Maximum value of SAR (measured) = 0.361 mW/g

**Plot#36**

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (Low Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Acer TravelMate 800 series Laptop, Model Number: ZG1S

W52 MCS0 for 802.11n HT20 (5180-5240 MHz)

Communication System: CW; Frequency: 5180 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Acer TravelMate 800 series Laptop, 5180 MHz (Low Channel)/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.390 mW/g

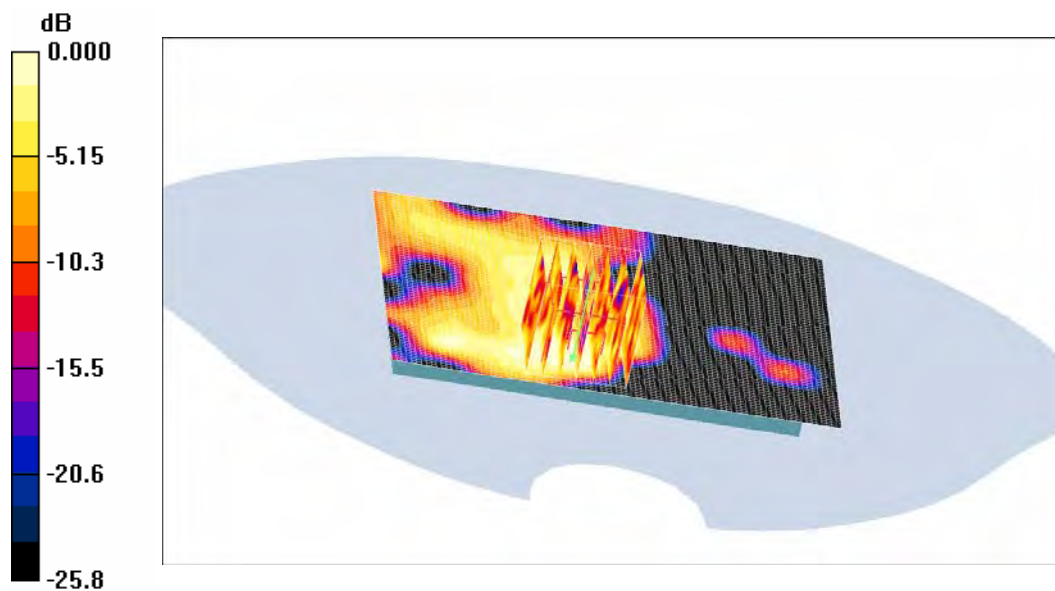
Acer TravelMate 800 series Laptop, 5180 MHz (Low Channel)/Zoom Scan (11x11x11) /Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm

Reference Value = 5.59 V/m; Power Drift = -0.349 dB

Peak SAR (extrapolated) = 0.454 W/kg

SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.085 mW/g

Maximum value of SAR (measured) = 0.257 mW/g



0 dB = 0.257 mW/g

Plot#37

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (Low Channel)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; IBM ThinkPad Laptop, Model Number: 2645

W52 MCS0 for 802.11n HT20 (5180-5240 MHz)

Communication System: CW; Frequency: 5180 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

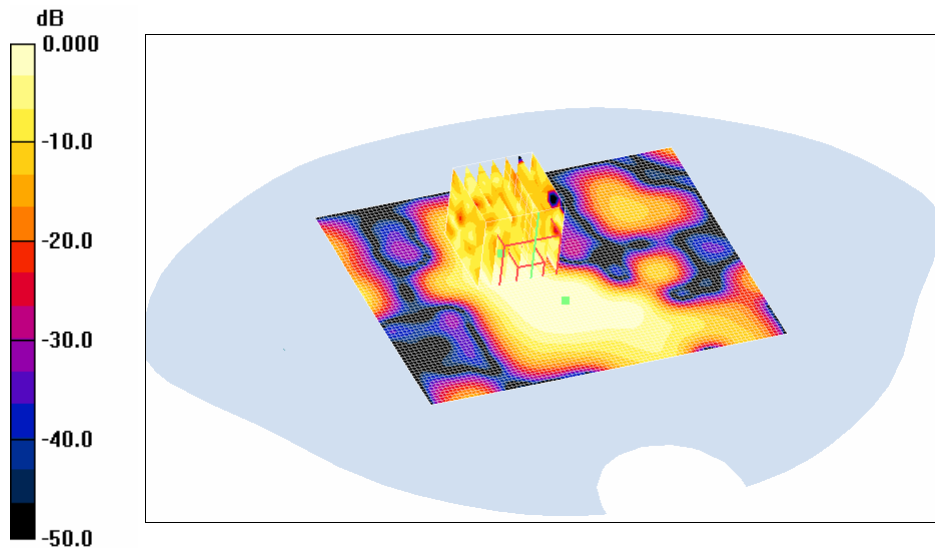
DASY4 Configuration:

- Probe: EX3DV4 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

IBM ThinkPad Laptop, 5180 MHz (Low Channel)/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.312 mW/g

IBM ThinkPad Laptop, 5180 MHz (Low Channel)/Zoom Scan (11x11x11) /Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm
 Reference Value = 4.41 V/m; Power Drift = 0.295 dB
 Peak SAR (extrapolated) = 0.537 W/kg
SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.083 mW/g

Maximum value of SAR (measured) = 0.269 mW/g



0 dB = 0.269 mW/g

Plot#38

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)**EUT back touching to the flat phantom (Low Channel)****BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Sony Laptop, Model Number: PCG-8E2L**

W52 MCS0 for 802.11n HT20 (5180-5240 MHz)

Communication System: CW; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Sony Laptop, 5180 MHz (Low Channel)/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.325 mW/g

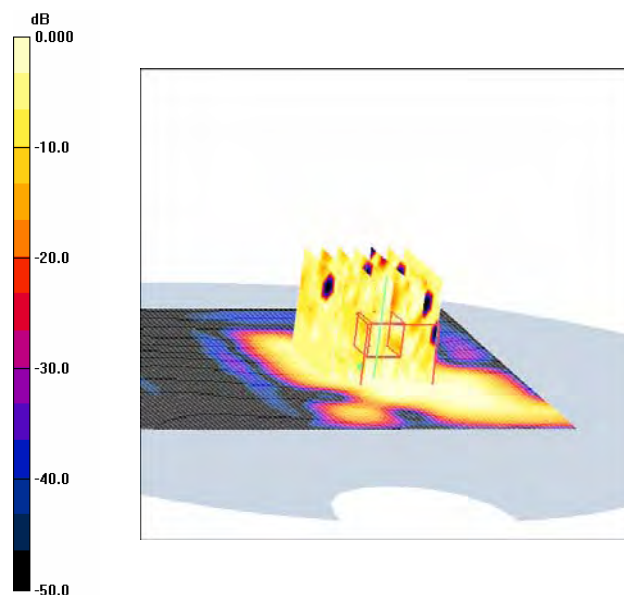
Sony Laptop, 5180 MHz (Low Channel)/Zoom Scan (11x11x11) /Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm

Reference Value = 7.08 V/m; Power Drift = -0.370 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.297 mW/g; SAR(10 g) = 0.083 mW/g

Maximum value of SAR (measured) = 0.286 mW/g



0 dB = 0.286 mW/g

Plot#39

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (5230 MHz)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Acer TravelMate 800 series Laptop, Model Number: ZG1S

W52 MCS0 for 802.11n HT40 (5190/5230 MHz)

Communication System: CW; Frequency: 5230 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

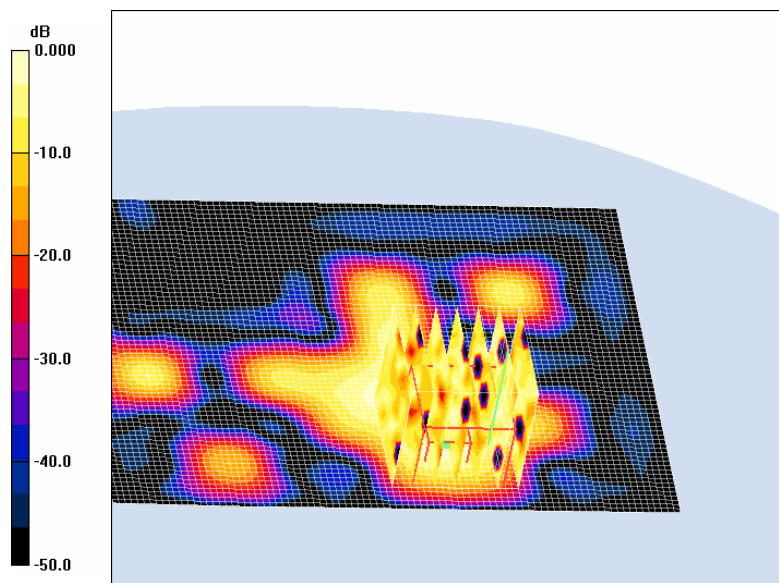
DASY4 Configuration:

- Probe: EX3DV4 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Acer TravelMate 800 series Laptop, 5230 MHz/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.314 mW/g

Acer TravelMate 800 series Laptop, 5230 MHz (Middle Channel)/ Zoom Scan (11x11x11) /Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm

Reference Value = 5.20 V/m; Power Drift = 0.676 dB
 Peak SAR (extrapolated) = 0.529 W/kg
SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.076 mW/g
 Maximum value of SAR (measured) = 0.305 mW/g



0 dB = 0.305 mW/g

Plot#40

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)

EUT back touching to the flat phantom (5230 MHz)

BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; IBM ThinkPad Laptop, Model Number: 2645

W52 MCS0 for 802.11n HT40 (5190/5230 MHz)

Communication System: CW; Frequency: 5230 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

IBM ThinkPad Laptop, 5230 MHz/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.458 mW/g

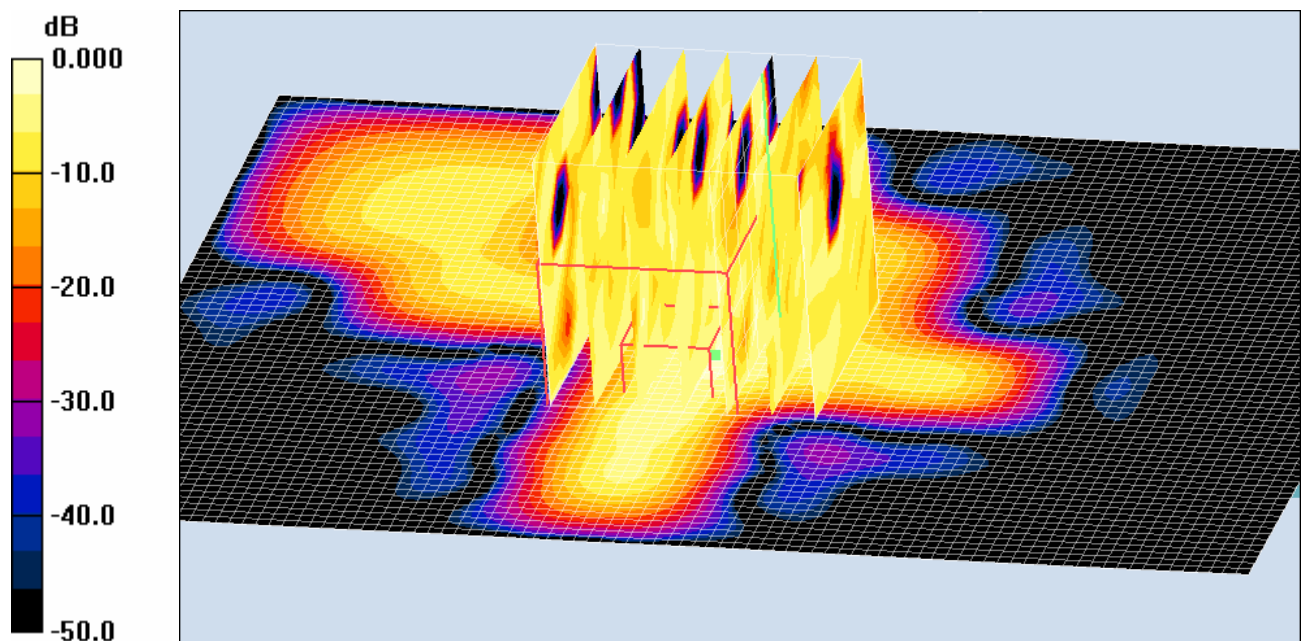
IBM ThinkPad Laptop, 5230 MHz/ Zoom Scan (11x11x11) /Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm

Reference Value = 5.80 V/m; Power Drift = -0.349 dB

Peak SAR (extrapolated) = 0.549 W/kg

SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.077 mW/g

Maximum value of SAR (measured) = 0.408 mW/g



0 dB = 0.408mW/g

Plot#41

Test Laboratory: Bay Area Compliance Laboratories Corp. (BACL)**EUT back touching to the flat phantom (5230 MHz)****BUFFALO INC.; EUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Sony Laptop, Model Number: PCG-8E2L**

W52 MCS0 for 802.11n HT40 (5190/5230 MHz)

Communication System: CW; Frequency: 5230 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Sony Laptop, 5230 MHz/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.270 mW/g

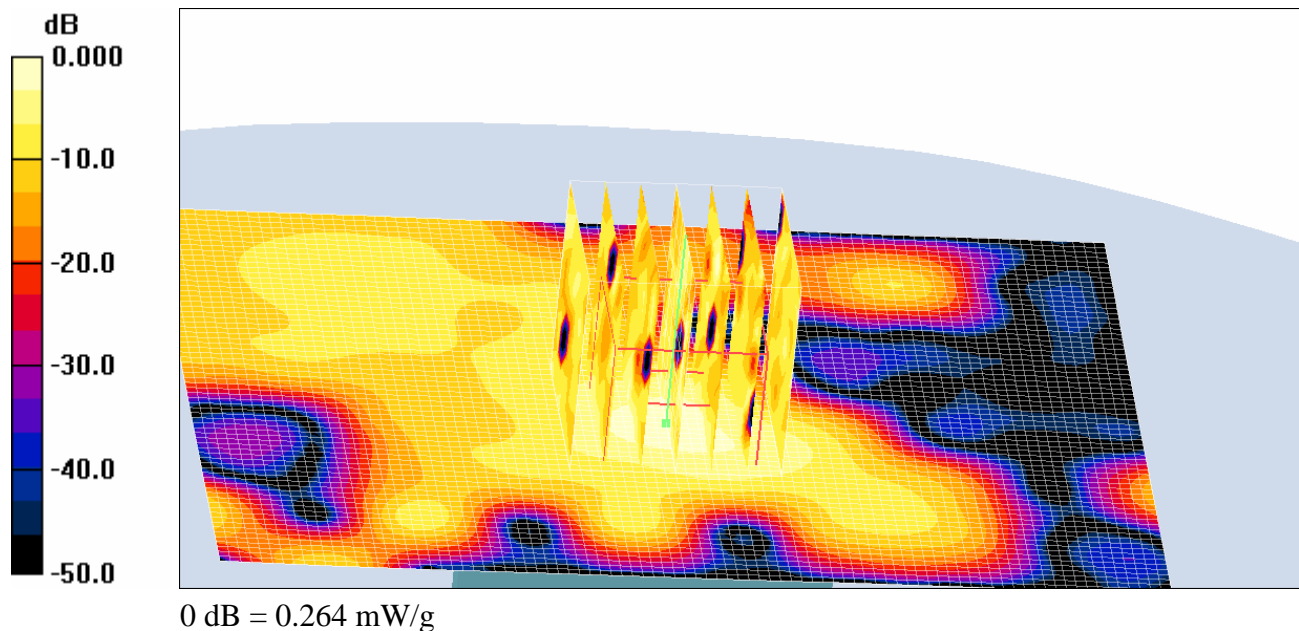
Sony Laptop, 5230 MHz/Zoom Scan(11x11x11) /Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm

Reference Value = 7.46 V/m; Power Drift = -0.250 dB

Peak SAR (extrapolated) = 0.528 W/kg

SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.156 mW/g

Maximum value of SAR (measured) = 0.264 mW/g

**Plot#42**

Test Laboratory: Bay Area Compliance Lab Corp. (BACL)

DUT back touching to the flat phantom (Low Channel)

BUFFALO INC.; DUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Acer TravelMate 800 series Laptop, Model Number: ZG1S

W53 9 Mbps for 802.11a 20 MHz (5260-5320 MHz)

Communication System: CW; Frequency: 5260 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3576; ConvF (3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

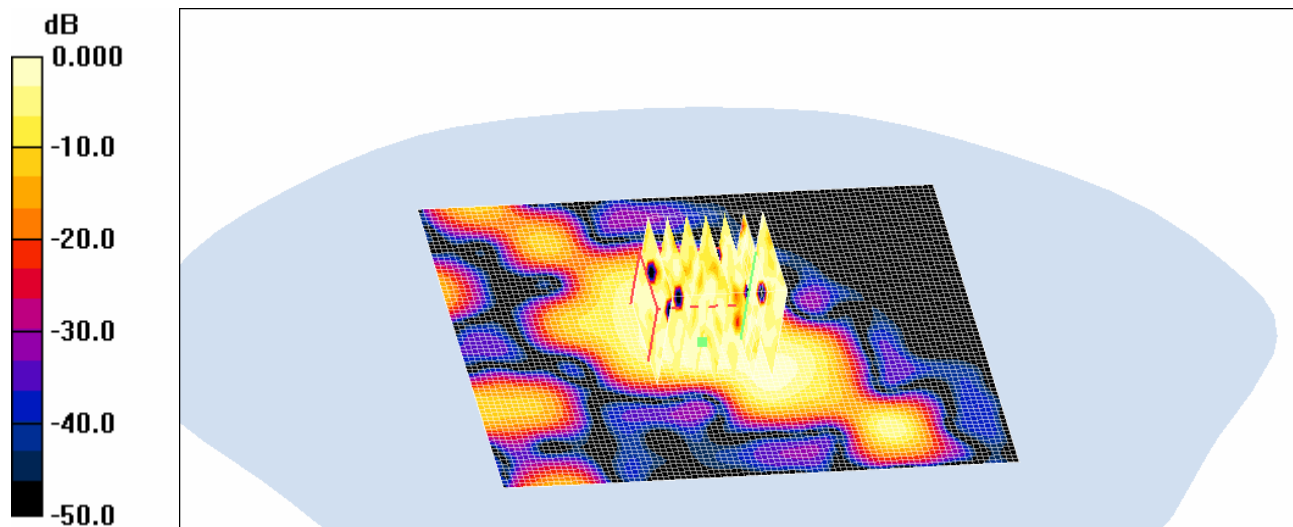
Acer TravelMate 800 series Laptop, 5260 MHz (Low Channel)/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.315 mW/g

Acer TravelMate 800 series Laptop, 5260 MHz (Low Channel)/Zoom Scan (11x11x11) /Cube 0: Measurement grid:

dx=3mm, dy=3mm, dz=2.5mm
 Reference Value = 4.54 V/m; Power Drift = -0.04 dB
 Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.102 mW/g

Maximum value of SAR (measured) = 0.312 mW/g



0 dB = 0.312 mW/g

Plot# 43

DUT back touching to the flat phantom (Low Channel)

BUFFALO INC.; DUT Type: WLI-CB-AG300N; Serial Number: NK-3764; IBM ThinkPad Laptop, Model Number: 2645

W53 9 Mbps for 802.11a 20 MHz (5260-5320 MHz)

Communication System: CW; Frequency: 5260 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

IBM ThinkPad Laptop, 5260 MHz (Low Channel)/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.382 mW/g

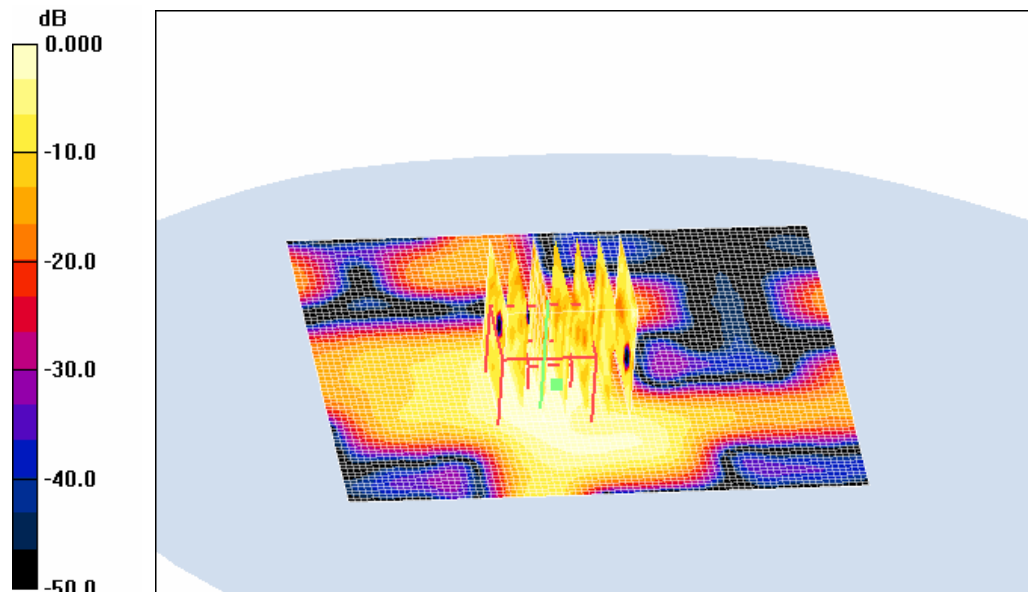
IBM ThinkPad Laptop, 5260 MHz (Low Channel)/Zoom Scan (11x11x11) /Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm

Reference Value = 4.89 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.351 mW/g; SAR(10 g) = 0.118 mW/g

Maximum value of SAR (measured) = 0.376 mW/g



0 dB = 0.376 mW/g

Plot#44

Test Laboratory: Bay Area Compliance Lab Corp. (BACL)

DUT back touching to the flat phantom (Low Channel)

BUFFALO INC.; DUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Sony Laptop, Model Number: PCG-8E2L

W53 9 Mbps for 802.11a 20 MHz (5260-5320 MHz)

Communication System: CW; Frequency: 5260 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

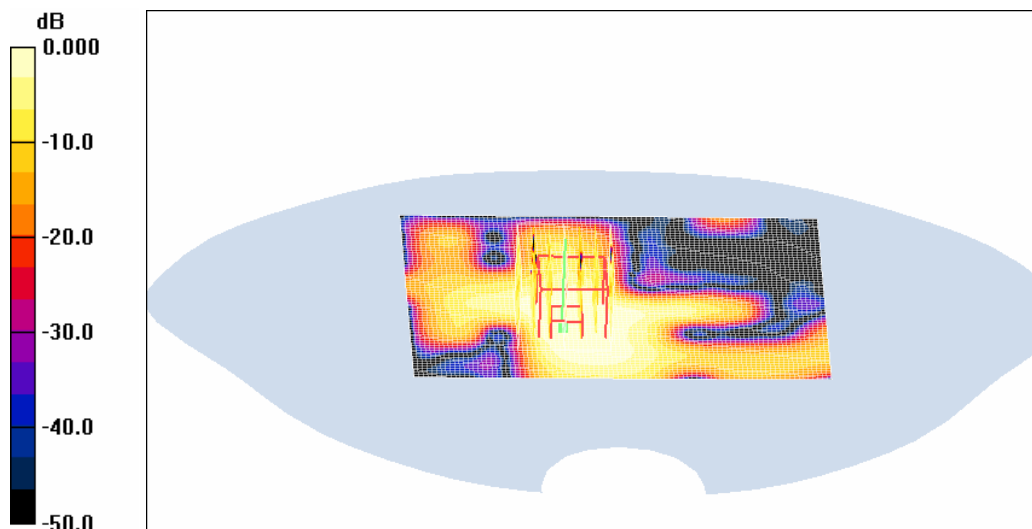
- Probe: ES3DV2 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Sony Laptop, 5260 MHz (Low Channel)/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.291 mW/g

Sony Laptop, 5260 MHz (Low Channel)/Zoom Scan (11x11x11) /Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm

Reference Value = 3.76 V/m; Power Drift = -0.09 dB
 Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.069 mW/g

Maximum value of SAR (measured) = 0.285 mW/g



0 dB = 0.285 mW/g

Plot#45

Test Laboratory: Bay Area Compliance Lab Corp. (BACL)

DUT back touching to the flat phantom (5270 MHz)

BUFFALO INC.; DUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Acer TravelMate 800 series Laptop, Model Number: ZG1S

W53 9 Mbps for 802.11a 40 MHz (5270/5310 MHz)

Communication System: CW; Frequency: 5230 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

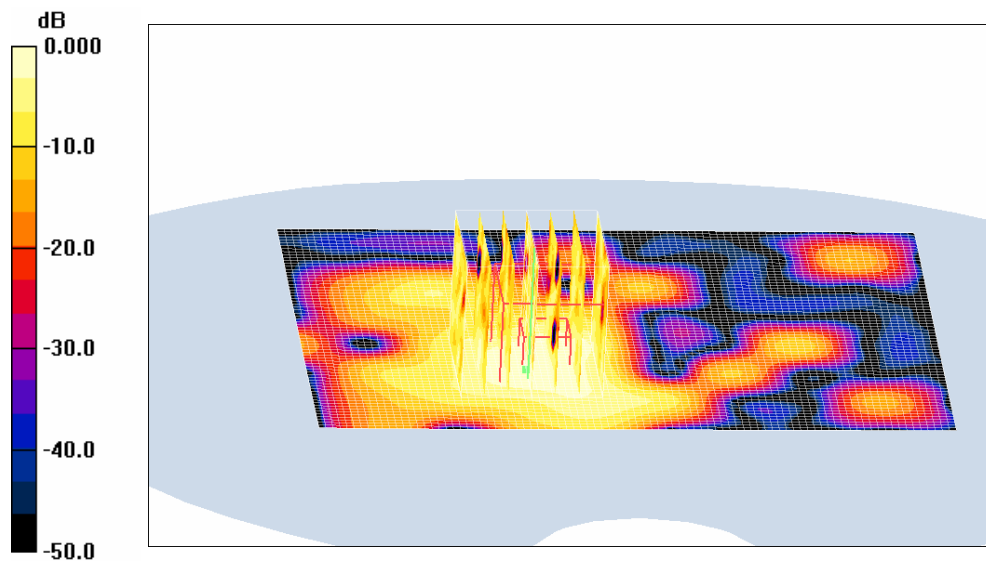
DASY4 Configuration:

- Probe: ES3DV2 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Acer TravelMate 800 series Laptop, 5270 MHz/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.302mW/g

Acer TravelMate 800 series Laptop, 5270 MHz/Zoom Scan (11x11x11) /Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm
 Reference Value = 4.12 V/m; Power Drift = -0.06 dB
 Peak SAR (extrapolated) = 1.09W/kg
SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.102 mW/g

Maximum value of SAR (measured) = 0.304 mW/g



0 dB = 0.304 mW/g

Plot#46

Test Laboratory: Bay Area Compliance Lab Corp. (BACL)

DUT back touching to the flat phantom (5270 MHz)

BUFFALO INC.; DUT Type: WLI-CB-AG300N; Serial Number: NK-3764; IBM ThinkPad Laptop, Model Number: 2645

W53 9 Mbps for 802.11a 40 MHz (5270/5310 MHz)

Communication System: CW; Frequency: 5230 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

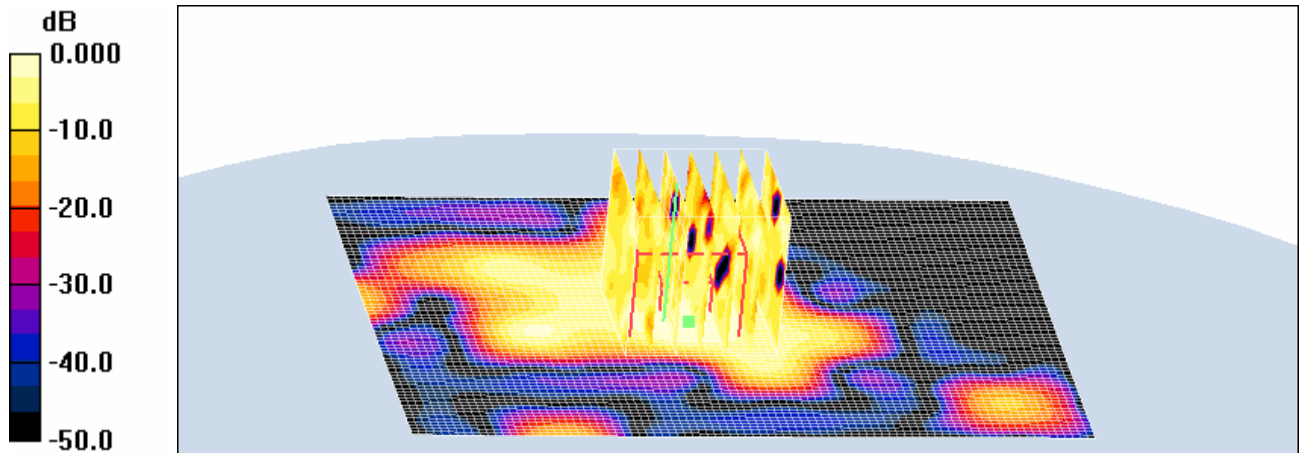
DASY4 Configuration:

- Probe: ES3DV2 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

IBM ThinkPad Laptop, 5270 MHz/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.289 mW/g

IBM ThinkPad Laptop, 5270 MHz/Zoom Scan (11x11x11) /Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm
 Reference Value = 3.86 V/m; Power Drift = 0.08 dB
 Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.91 mW/g

Maximum value of SAR (measured) = 0.283 mW/g



Plot#47

Test Laboratory: Bay Area Compliance Lab Corp. (BACL)

DUT back touching to the flat phantom (5270 MHz)

BUFFALO INC.; DUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Sony Laptop, Model Number: PCG-8E2L

53W 9 Mbps for 802.11a 40 MHz (5270/5310 MHz)

Communication System: CW; Frequency: 5230 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Sony Laptop, 5270 MHz/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.313 mW/g

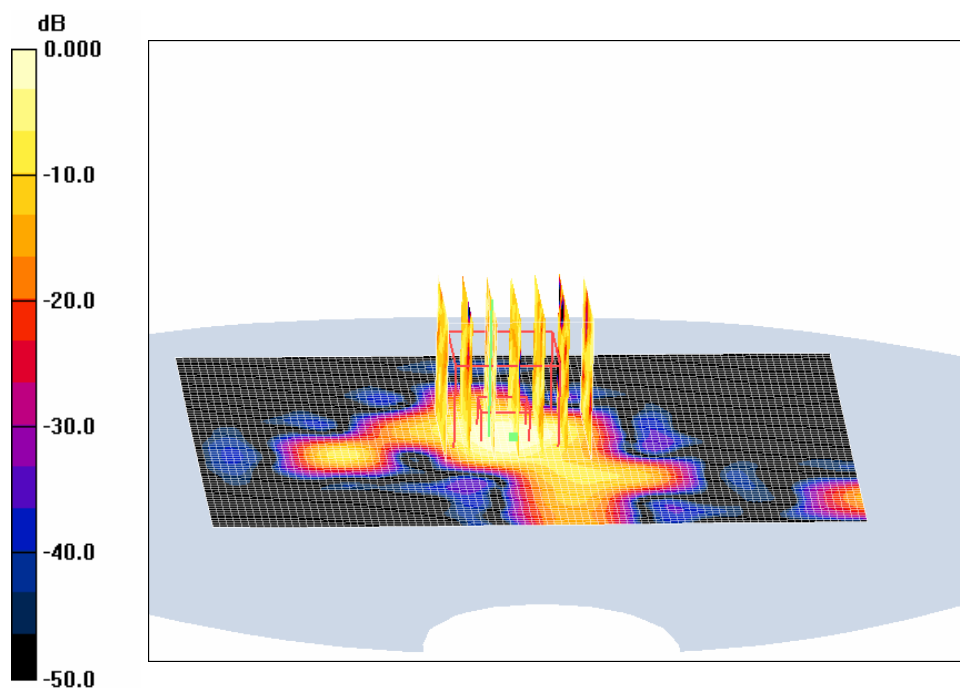
Sony Laptop, 5270 MHz/Zoom Scan (11x11x11)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm

Reference Value = 4.05 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.103 mW/g

Maximum value of SAR (measured) = 0.302 mW/g



0 dB = 0.302 mW/g

Plot#48

Test Laboratory: Bay Area Compliance Lab Corp. (BACL)

DUT back touching to the flat phantom (Low Channel)

BUFFALO INC.; DUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Acer TravelMate 800 series Laptop, Model Number: ZG1S

W53 MCS0 for 802.11n HT20 (5260-5320 MHz)

Communication System: CW; Frequency: 5260 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Acer TravelMate 800 series Laptop, 5260 MHz (Low Channel)/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.325 mW/g

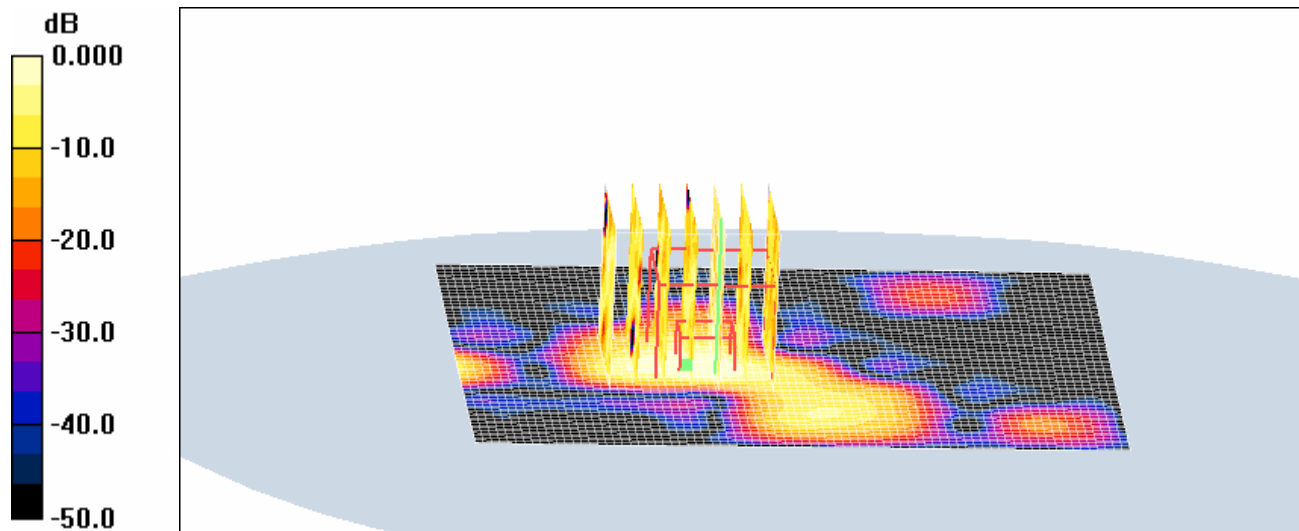
Acer TravelMate 800 series Laptop, 5260 MHz (Low Channel)/Zoom Scan (11x11x11)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm

Reference Value = 5.68 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.315 mW/g; SAR(10 g) = 0.121 mW/g

Maximum value of SAR (measured) = 0.316 mW/g



0 dB = 0.316 mW/g

Plot#49

Test Laboratory: Bay Area Compliance Lab Corp. (BACL)

DUT back touching to the flat phantom (Low Channel)

BUFFALO INC.; DUT Type: WLI-CB-AG300N; Serial Number: NK-3764; IBM ThinkPad Laptop, Model Number: 2645

W53 MCS0 for 802.11n HT20 (5260-5320 MHz)

Communication System: CW; Frequency: 5260 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

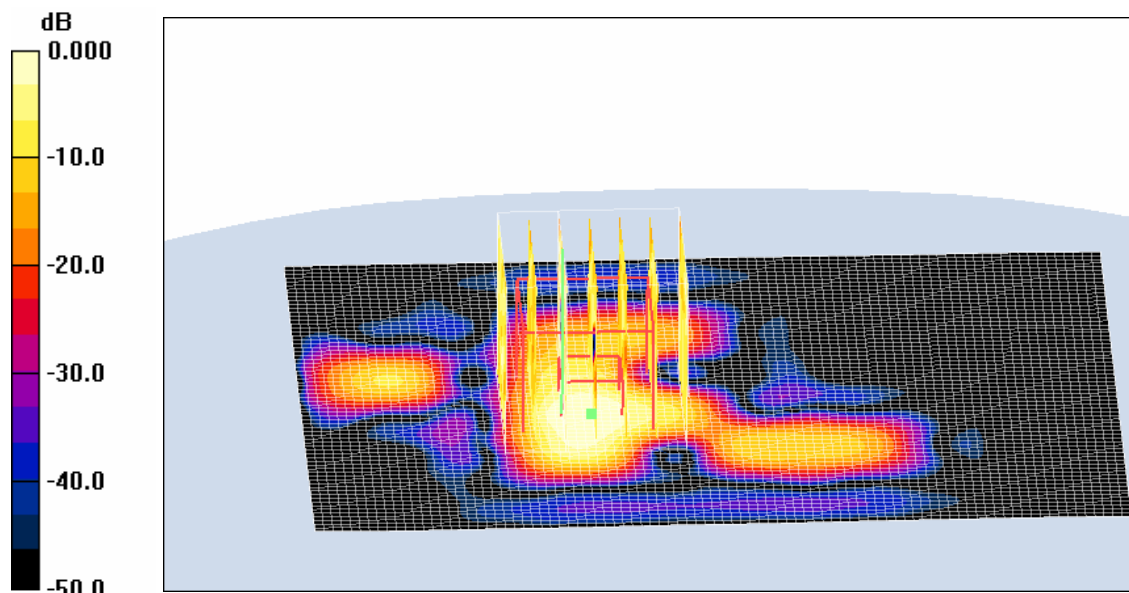
DASY4 Configuration:

- Probe: ES3DV2 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

IBM ThinkPad Laptop, 5260 MHz (Low Channel)/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.313 mW/g

IBM ThinkPad Laptop, 5260 MHz (Low Channel)/Zoom Scan (11x11x11) /Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm
 Reference Value = 5.06 V/m; Power Drift = 0.025 dB
 Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.282 mW/g; SAR(10 g) = 0.113 mW/g

Maximum value of SAR (measured) = 0.308 mW/g



0 dB = 0.308 mW/g

Plot#50

Test Laboratory: Bay Area Compliance Lab Corp. (BACL)

DUT back touching to the flat phantom (Low Channel)

BUFFALO INC.; DUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Sony Laptop, Model Number: PCG-8E2L

53W MCS0 for 802.11n HT20 (5260-5320 MHz)

Communication System: CW; Frequency: 5260 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

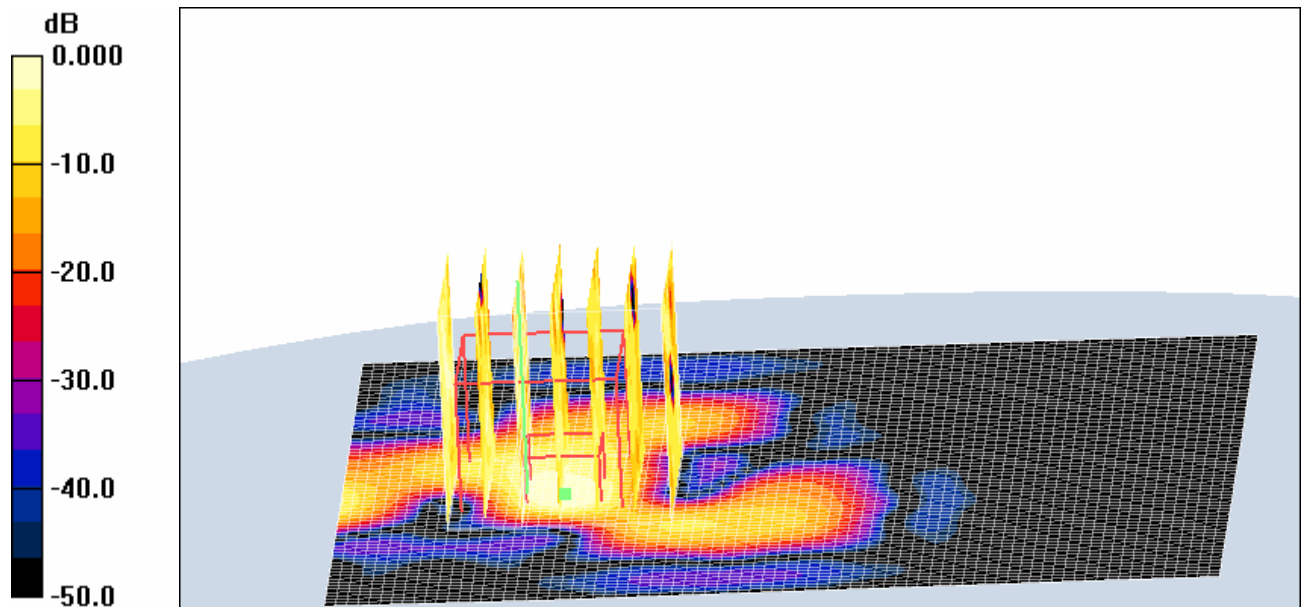
- Probe: ES3DV2 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Sony Laptop, 5260 MHz (Low Channel)/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.319 mW/g

Sony Laptop, 5260 MHz (Low Channel)/Zoom Scan (11x11x11)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm

Reference Value = 5.53 V/m; Power Drift = -0.073 dB
 Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.293 mW/g; SAR(10 g) = 0.116 mW/g

Maximum value of SAR (measured) = 0.314 mW/g



0 dB = 0.314 mW/g

Plot#51

Test Laboratory: Bay Area Compliance Lab Corp. (BACL)

DUT back touching to the flat phantom (5270 MHz)

BUFFALO INC.; DUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Acer TravelMate 800 series Laptop, Model Number: ZG1S

W53 MCS0 for 802.11n HT40 (5270/5310 MHz)

Communication System: CW; Frequency: 5270 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

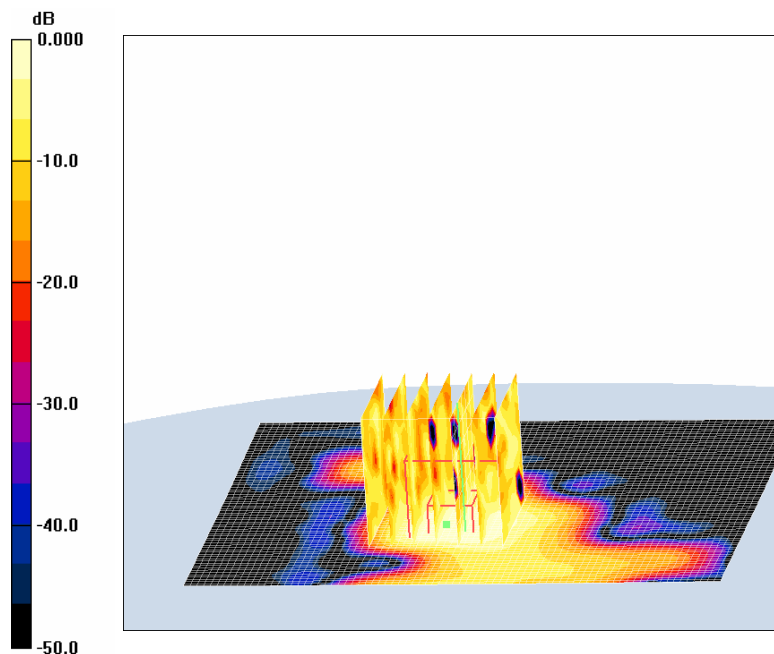
DASY4 Configuration:

- Probe: ES3DV2 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Acer TravelMate 800 series Laptop, 5270 MHz/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.284 mW/g

Acer TravelMate 800 series Laptop, 5270 MHz/Zoom Scan (11x11x11)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm
 Reference Value = 4.11 V/m; Power Drift = 0.056 dB
 Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.086 mW/g

Maximum value of SAR (measured) = 0.279 mW/g



0 dB = 0.279 mW/g

Plot#52

Test Laboratory: Bay Area Compliance Lab Corp. (BACL)

DUT back touching to the flat phantom (5270 MHz)

BUFFALO INC.; DUT Type: WLI-CB-AG300N; Serial Number: NK-3764; IBM ThinkPad Laptop, Model Number: 2645

W53 MCS0 for 802.11n HT40 (5270/5310 MHz)

Communication System: CW; Frequency: 5270 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

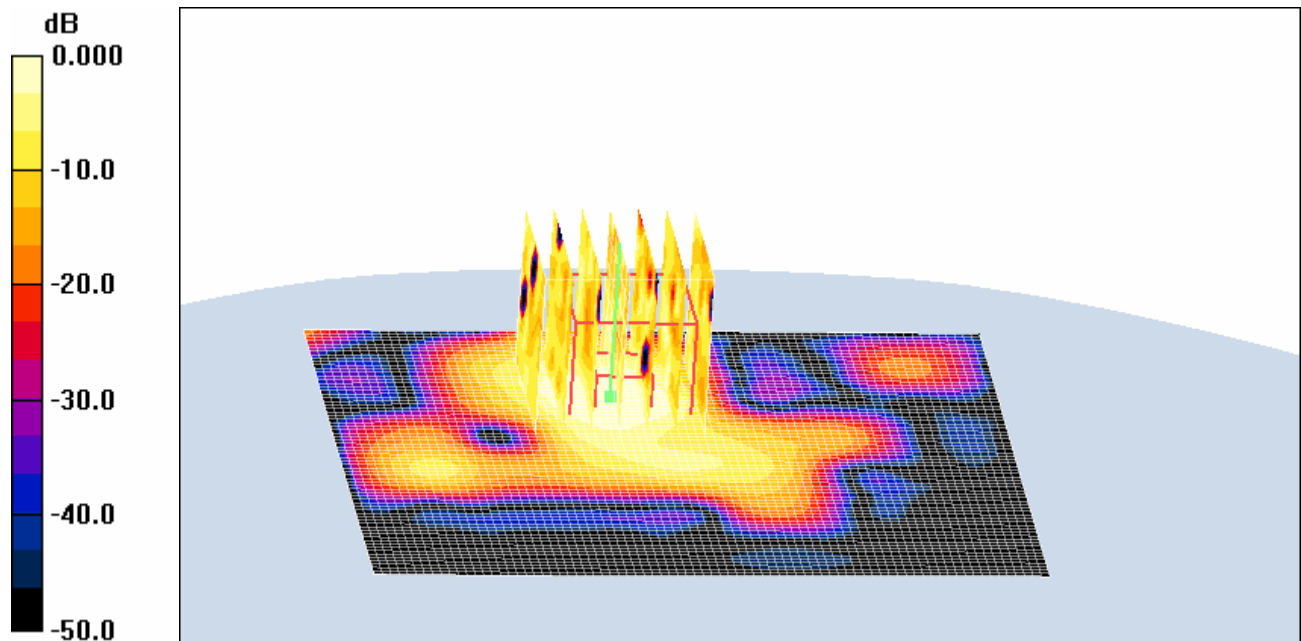
DASY4 Configuration:

- Probe: ES3DV2 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

IBM ThinkPad Laptop, 5270 MHz/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.407 mW/g

IBM ThinkPad Laptop, 5270 MHz/Zoom Scan (11x11x11) /Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm
 Reference Value = 5.06 V/m; Power Drift = -0.042 dB
 Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.363 mW/g; SAR(10 g) = 0.126 mW/g

Maximum value of SAR (measured) = 0.403 mW/g



0 dB = 0.403 mW/g

Plot#53

Test Laboratory: Bay Area Compliance Lab Corp. (BACL)

DUT back touching to the flat phantom (5270 MHz)

BUFFALO INC.; DUT Type: WLI-CB-AG300N; Serial Number: NK-3764; Sony Laptop, Model Number: PCG-8E2L

W53 MCS0 for 802.11n HT40 (5270/5310 MHz)

Communication System: CW; Frequency: 5270 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200 \text{ MHz}$; $\sigma = 5.22 \text{ mho/m}$; $\epsilon_r = 48.4$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY4 Configuration:

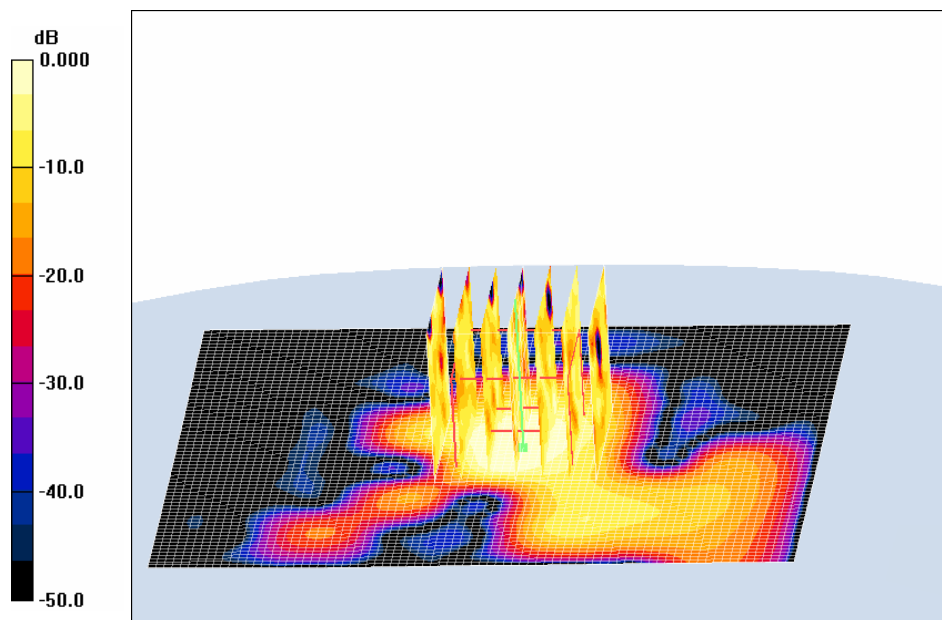
- Probe: ES3DV2 - SN3576; ConvF(3.65, 3.65, 3.65) Calibrated: 2006-04-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn456; Calibrated: 2005-10-18
- Phantom: SAM with CRP; Type: Twin SAM; Serial: TP-1032
- Measurement SW: DASY4, V4.6 Build 23; Post processing SW: SEMCAD, V1.8 Build 161

Sony Laptop, 5270 MHz/Area Scan (71x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.276 mW/g

Sony Laptop, 5270 MHz/Zoom Scan (11x11x11)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=2.5mm

Reference Value = 4.06 V/m; Power Drift = -0.03 dB
 Peak SAR (extrapolated) = 1.24W/kg
SAR(1 g) = 0.236 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.270 mW/g



0 dB = 0.270 mW/g

Plot#54

APPENDIX F – CONDUCTED OUTPUT POWER MEASUREMENT

Provision Applicable

The measured peak output power should be greater and within 5% than EMI measurement.

Test Procedure

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

Test equipment

Agilent E4446A Spectrum Analyzer, Calibration Due Date: 2006-03-06

Test Results

2.4 GHz

Frequency Band	Low Channel Output Power (dBm)	Middle Channel Output Power (dBm)	High Channel Output Power (dBm)
11Mbps for 802.11b 20MHz (2412-2462 MHz)	21.62	21.86	21.66

Frequency Band	Low Channel Output Power (dBm)	Middle Channel Output Power (dBm)	High Channel Output Power (dBm)
11Mbps for 802.11b 40MHz (2422-2452 MHz)	20.64	20.66	20.80

Frequency Band	Low Channel Output Power (dBm)	Middle Channel Output Power (dBm)	High Channel Output Power (dBm)
54 Mbps for 802.11g 20MHz (2412-2462 MHz)	20.54	21.86	18.94

Frequency Band	Low Channel Output Power (dBm)	Middle Channel Output Power (dBm)	High Channel Output Power (dBm)
54 Mbps for 802.11g 40MHz (2422-2452 MHz)	15.40	19.59	15.54

Frequency Band	Low Channel Output Power (dBm)	Middle Channel Output Power (dBm)	High Channel Output Power (dBm)
MCS 11 for 802.11n HT20 (2412-2462 MHz)	18.54	21.67	18.55

Frequency Band	Low Channel Output Power (dBm)	Middle Channel Output Power (dBm)	High Channel Output Power (dBm)
MCS 15 for 802.11n HT40 (2422-2452 MHz)	15.61	21.68	15.30

5 GHz

Frequency Band	Low Channel Output Power (dBm)	Middle Channel Output Power (dBm)	High Channel Output Power (dBm)
W52 9 Mbps for 802.11a 20MHz (5180-5240 MHz)	16.91	16.94	16.89

Frequency Band	Low Channel Output Power (dBm)	High Channel Output Power (dBm)
W52 9 Mbps for 802.11a 40MHz (5190/5230 MHz)	16.35	16.84

Frequency Band	Low Channel Output Power (dBm)	Middle Channel Output Power (dBm)	High Channel Output Power (dBm)
W 52 MCS0 for 802.11n HT20 (5180-5240 MHz)	16.88	16.70	16.56

Frequency Band	Low Channel Output Power (dBm)	High Channel Output Power (dBm)
W52 MCS0 for 802.11n HT40 (5190/5230 MHz)	16.71	16.94

Frequency Band	Low Channel Output Power (dBm)	Middle Channel Output Power (dBm)	High Channel Output Power (dBm)
W53 9 Mbps for 802.11a 20MHz (5260-5320 MHz)	21.50	20.48	20.46

Frequency Band	Low Channel Output Power (dBm)	High Channel Output Power (dBm)
W53 9 Mbps for 802.11a 40MHz (5270/5310 MHz)	20.43	17.49

Frequency Band	Low Channel Output Power (dBm)	Middle Channel Output Power (dBm)	High Channel Output Power (dBm)
W 53 MCS0 for 802.11n HT20 (5260-5320 MHz)	21.46	21.43	20.41

Frequency Band	Low Channel Output Power (dBm)	High Channel Output Power (dBm)
W53 MCS0 for 802.11n HT40 (5270/5310 MHz)	21.35	17.43

APPENDIX G – EUT TEST POSITION PHOTOS

EUT with Acer laptop back touching to the flat phantom Front View



EUT with IBM laptop back touching to the flat phantom Front View



EUT with Sony laptop back touching to the flat phantom Front View

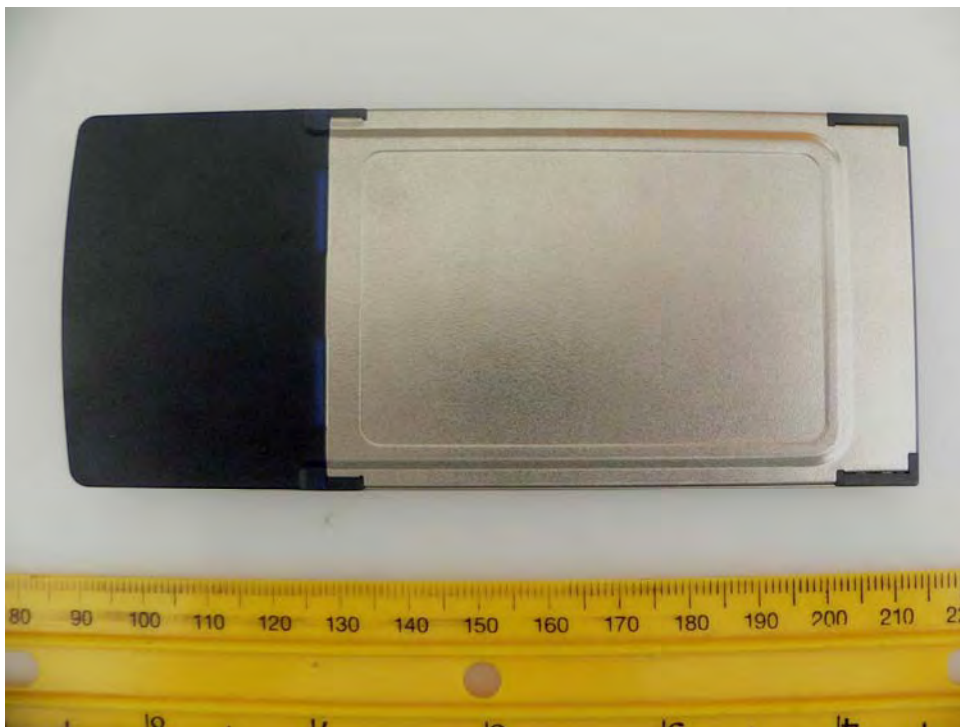


APPENDIX H- EUT PHOTO

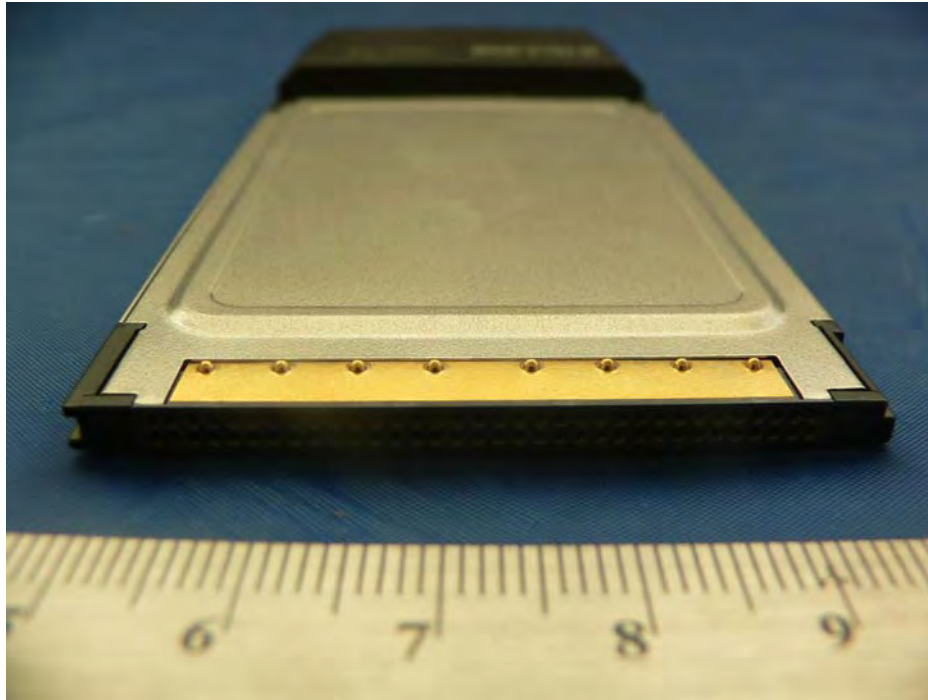
EUT – Front View



EUT – Rear View



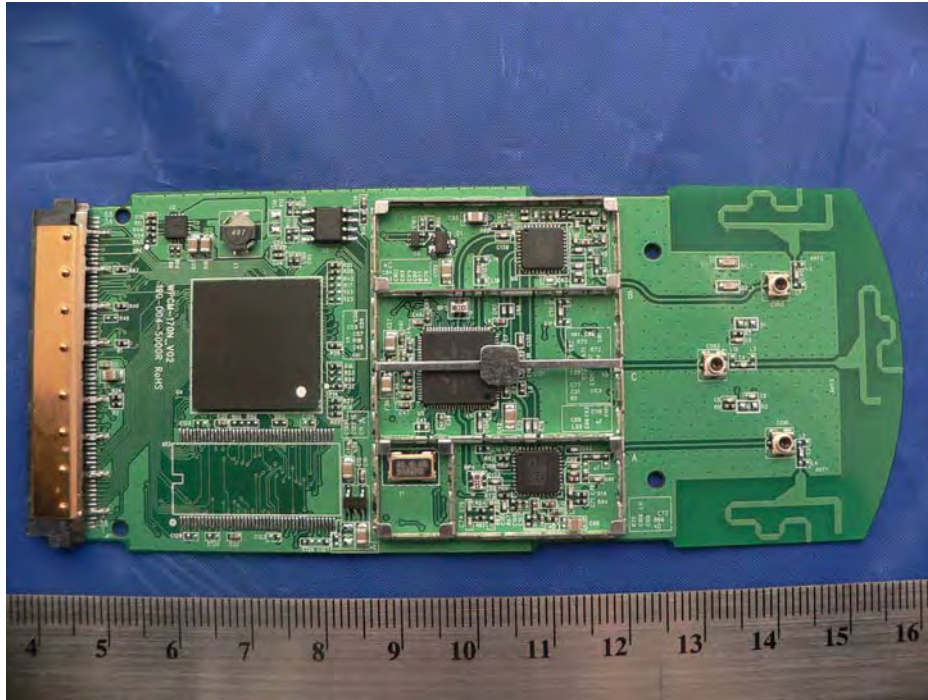
EUT – Port View



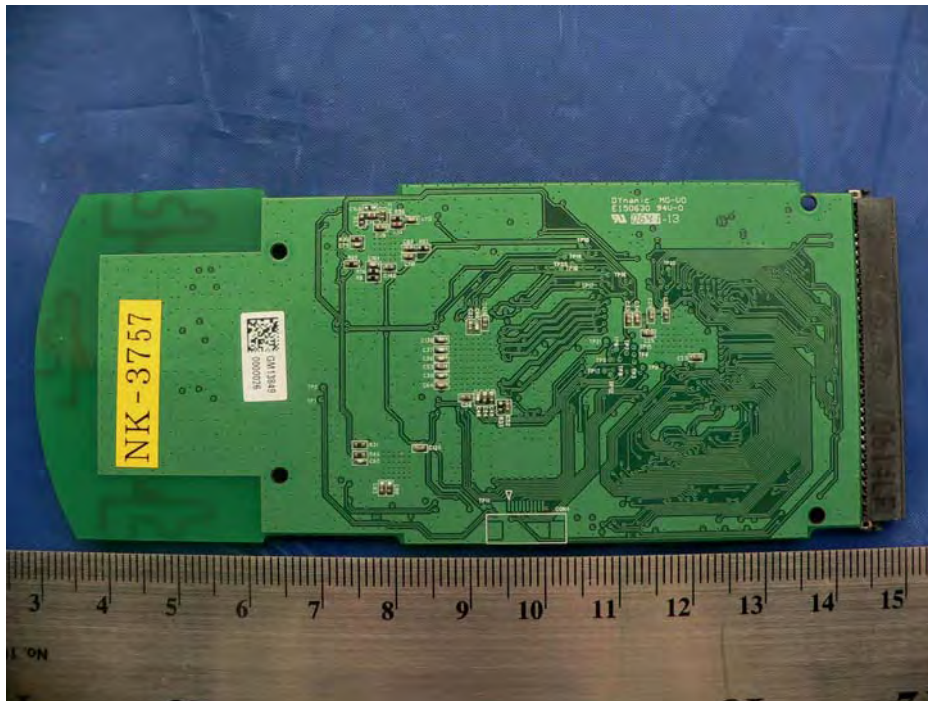
EUT – Component View 1



EUT – Component View 2



EUT – Component View 3



APPENDIX I - INFORMATIVE REFERENCES

- [1] Federal Communications Commission, \Report and order: Guidelines for evaluating the environmental effects of radiofrequency radiation", Tech. Rep. FCC 96-326, FCC, Washington, D.C. 20554, 1996.
- [2] David L. Means Kwok Chan, Robert F. Cleveland, \Evaluating compliance with FCC guidelines for human exposure to radiofrequency electromagnetic fields", Tech. Rep., Federal Communication Commission, Office of Engineering & Technology, Washington, DC, 1997.
- [3] Thomas Schmid, Oliver Egger, and Niels Kuster, \Automated E-field scanning system for dosimetric assessments", IEEE Transactions on Microwave Theory and Techniques, vol. 44, pp. 105{113, Jan. 1996.
- [4] Niels Kuster, Ralph Kastle, and Thomas Schmid, \Dosimetric evaluation of mobile communications equipment with known precision", IEICE Transactions on Communications, vol. E80-B, no. 5, pp. 645{652, May 1997.
- [5] CENELEC, \Considerations for evaluating of human exposure to electromagnetic fields (EMFs) from mobile telecommunication equipment (MTE) in the frequency range 30MHz - 6GHz", Tech. Rep., CENELEC, European Committee for Electrotechnical Standardization, Brussels, 1997.
- [6] ANSI, ANSI/IEEE C95.1-1992: IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz, The Institute of Electrical and Electronics Engineers, Inc., New York, NY 10017, 1992.
- [7] Katja Pokovic, Thomas Schmid, and Niels Kuster, \Robust setup for precise calibration of E-field probes in tissue simulating liquids at mobile communications frequencies", in ICECOM '97, Dubrovnik, October 15{17, 1997, pp. 120-24.
- [8] Katja Pokovic, Thomas Schmid, and Niels Kuster, \E-field probe with improved isotropy in brain simulating liquids", in Proceedings of the ELMAR, Zadar, Croatia, 23{25 June, 1996, pp. 172-175.
- [9] Volker Hombach, Klaus Meier, Michael Burkhardt, Eberhard Kuhn, and Niels Kuster, \The dependence of EM energy absorption upon human head modeling at 900 MHz", IEEE Transactions on Microwave Theory and Techniques, vol. 44, no. 10, pp. 1865-1873, Oct. 1996.
- [10] Klaus Meier, Ralf Kastle, Volker Hombach, Roger Tay, and Niels Kuster, \The dependence of EM energy absorption upon human head modeling at 1800 MHz", IEEE Transactions on Microwave Theory and Techniques, Oct. 1997, in press.
- [11] W. Gander, Computermathematik, Birkhaeuser, Basel, 1992.
- [12] W. H. Press, S. A. Teukolsky, W. T. Vetterling, and B. P. Flannery, Numerical Recipes in C, The Art of Scientific Computing, Second Edition, Cambridge University Press, 1992. Dosimetric Evaluation of Sample device, month 1998 9
- [13] NIS81 NAMAS, \The treatment of uncertainty in EMC measurement", Tech. Rep., NAMAS Executive, National Physical Laboratory, Teddington, Middlesex, England, 1994.
- [14] Barry N. Taylor and Christ E. Kuyatt, \Guidelines for evaluating and expressing the uncertainty of NIST measurement results", Tech. Rep., National Institute of Standards and Technology, 1994. Dosimetric Evaluation of Sample device, month 1998 10.
- [15] SAR measurement procedures for 802.11a/b/g transmitters, Laboratory Division Office of Engineering and Technology FCC, October 2006
- [16] SAR measurement procedures for 3-6GHz device, Laboratory Division Office of Engineering and Technology FCC, October 2006

Appendix J- SPEAG Equipment Evaluation Report

Schmid & Partner Engineering AG	s p e a g
Zeughausstrasse 43, 8004 Zurich, Switzerland Phone +41 1 245 9700, Fax +41 1 245 9779 info@speag.com, http://www.speag.com	

EVALUATION REPORT

DAE 4 SN:	456
CUSTOMER:	BACL USA
CONTACT PERSON:	hans.mellberg@baclcorp.com
DELIVERY DATE OF DAE 662:	17.09.2001
DATE OF LAST CALIBRATION:	Oct. 2005
DATE OF INITIAL COMPLAINT:	Nov.15.2006
DATE OF RECEIVING AT SPEAG	16.11.2006

DESCRIPTION OF NONCONFORMANCE, DEFECT OR UNDESIRABLE CONDITION:

Support e-mail 7727

The calibration on this DAE expired on Oct. 18.2006. The customer has used this DAE SN 456 for compliance measurements beyond the validity of the calibration. The customer therefore requested a verification measurement to be performed upon receiving the unit. This verification measurement shall show if the measurements taken during the above mentioned time period are valid or not.

FIRST RESPONSE BY SPEAG:

SPEAG submitted a quotation for these additional measurements.

EVALUATION OF NONCONFORMANCE BY Schmid & Partner Engineering AG:

Observation / Troubleshooting

A calibration measurement with the DAE SN: 456 was performed using the gain factors from the previous Oct.2005 calibration. The results are shown below

Gain Factors:

Calibration Factors	X	Y	Z
High Range	404.472 ± 0.1% (k=2)	403.935 ± 0.1% (k=2)	404.012 ± 0.1% (k=2)
Low Range	3.93535 ± 0.7% (k=2)	3.94181 ± 0.7% (k=2)	3.91679 ± 0.7% (k=2)

1. DC Voltage Linearity

High Range	Input (µV)	Reading (µV)	Error (%)
Channel X + Input	20000	19993.7	0.00
Channel X - Input	20000	20007.16	0.04
Channel X + Input	20000	-20003.70	0.02
Channel Y + Input	20000	19998.5	-0.01
Channel Y + Input	20000	20004.13	0.02
Channel Y - Input	20000	-20005.64	0.03
Channel Z + Input	20000	19995.4	0.00
Channel Z + Input	20000	20003.74	0.02
Channel Z - Input	20000	-20005.05	0.03

**TOLERANCE
<0.05%**

Low Range	Input (μW)	Reading (μW)	Error (%)
Channel X + Input	2000	2000.0	0.00
Channel X + Input	200	199.66	-0.17
Channel X - Input	200	-200.42	0.21
Channel Y + Input	2000	1999.9	0.00
Channel Y + Input	200	199.39	-0.31
Channel Y - Input	200	-200.76	0.38
Channel Z + Input	2000	2000.3	0.02
Channel Z + Input	200	198.96	-0.52
Channel Z - Input	200	-201.29	0.64

TOLERANCE
<1.5%

CONCLUSION OF Schmid & Partner Engineering AG:

The accuracy verification measurement performed on DAE SN: 456 passed. The DAE is still in tolerance.

EVALUATION CONDUCTED BY:

EVALUATION APPROVED BY:

DATE: 21.11.2006

DATE: 21.11.2006