Appendix I: Additional SAR test reult

Test Configuration--1

802.11b (DSSS): Duty Cycle =100 %, Crest Factor: 1,Rate=11M						**Depth of liquid: 15.0 cm**		
Sep. [mm]	Antenna	Channel	Frequency [MHz]	*Conducted Power_dBm Before	*Conducted Power_dBm After	Liquid Temp [°C]	**SAR** (W/kg)	Limit (W/kg)
10.5	A	1	2412	22.79	22.76	23.0	0.059	1.6
10.5	A	11	2462	22.15	22.12	23.0	0.035	
802.11g (OFDM): Duty Cycle =100 %, Crest Factor: 1,Rate=6M						**Depth of liquid: 15.0 cm**		
Sep. [mm]	Antenna	Channel	Frequency [MHz]	*Conducted Power_dBm Before	*Conducted Power_dBm After	Liquid Temp [°C]	**SAR** (W/kg)	Limit (W/kg)
10.5	A	1	2412	22.35	22.31	23.0	0.065	1.6
10.5	A	11	2462	21.17	21.14	23.0	0.031	

Notes:

1. Testing host: **Acer**
2. *: Peak power.
3. Bottom face in parallel with flat phantom.
4. See attachment for the result presentation in plot format.

Test Configuration--1

802.11b (DSSS): Duty Cycle =100 %, Crest Factor: 1,Rate=11M						**Depth of liquid: 15.0 cm**		
Sep. [mm]	Antenna	Channel	Frequency [MHz]	*Conducted Power_dBm Before	After	Liquid Temp [°C]	**SAR** (W/kg)	Limit (W/kg)
12.7	A	6	2437	24.48	24.45	23.0	0.093	1.6
802.11g (OFDM): Duty Cycle =100 %, Crest Factor: 1,Rate=6M						**Depth of liquid: 15.0 cm**		
Sep. [mm]	Antenna	Channel	Frequency [MHz]	*Conducted Power_dBm Before	After	Liquid Temp [°C]	**SAR** (W/kg)	Limit (W/kg)
12.7	A	6	2437	23.73	23.69	23.0	0.096	1.6
802.11g (OFDM)TURBO: Duty Cycle =100 %, Crest Factor: 1,Rate=12M						**Depth of liquid: 15.0 cm**		
Sep. [mm]	Antenna	Channel	Frequency [MHz]	*Conducted Power_dBm Before	After	Liquid Temp [°C]	**SAR** (W/kg)	Limit (W/kg)
12.7	A	6	2437	24.12	24.09	23.0	0.07	1.6

Notes:

1. Testing host: **Dell**
2. *: Peak power.
3. Bottom face in parallel with flat phantom.
4. See attachment for the result presentation in plot format.

Test Configuration--1

802.11b (DSSS): Duty Cycle =100 %, Crest Factor: 1,Rate=11M						**Depth of liquid: 15.0 cm**		
Sep. [mm]	Antenna	Channel	Frequency [MHz]	*Conducted Power_dBm Before	*Conducted Power_dBm After	Liquid Temp [°C]	**SAR** (W/kg)	Limit (W/kg)
10.5	A	6	2437	24.49	24.46	23.0	0.124	1.6
802.11g (OFDM): Duty Cycle =100 %, Crest Factor: 1,Rate=6M						**Depth of liquid: 15.0 cm**		
Sep. [mm]	Antenna	Channel	Frequency [MHz]	*Conducted Power_dBm Before	*Conducted Power_dBm After	Liquid Temp [°C]	**SAR** (W/kg)	Limit (W/kg)
10.5	A	6	2437	23.72	23.70	23.0	0.121	1.6
802.11g (OFDM)TURBO: Duty Cycle =100 %, Crest Factor: 1,Rate=12M						**Depth of liquid: 15.0 cm**		
Sep. [mm]	Antenna	Channel	Frequency [MHz]	*Conducted Power_dBm Before	*Conducted Power_dBm After	Liquid Temp [°C]	**SAR** (W/kg)	Limit (W/kg)
10.5	A	6	2437	24.11	24.09	23.0	0.077	1.6

Notes:

1. Testing host: **IBM**
2. *: Peak power.
3. Bottom face in parallel with flat phantom.
4. See attachment for the result presentation in plot format.

Date/Time: 03/24/05 11:10:04

Test Laboratory: Compliance Certification Services Inc.

802.11b Touch Parallel Mode Acer II

DUT: 802.11g WLAN Cardbus Adapter; Type: DWL-G680; Serial: N/A

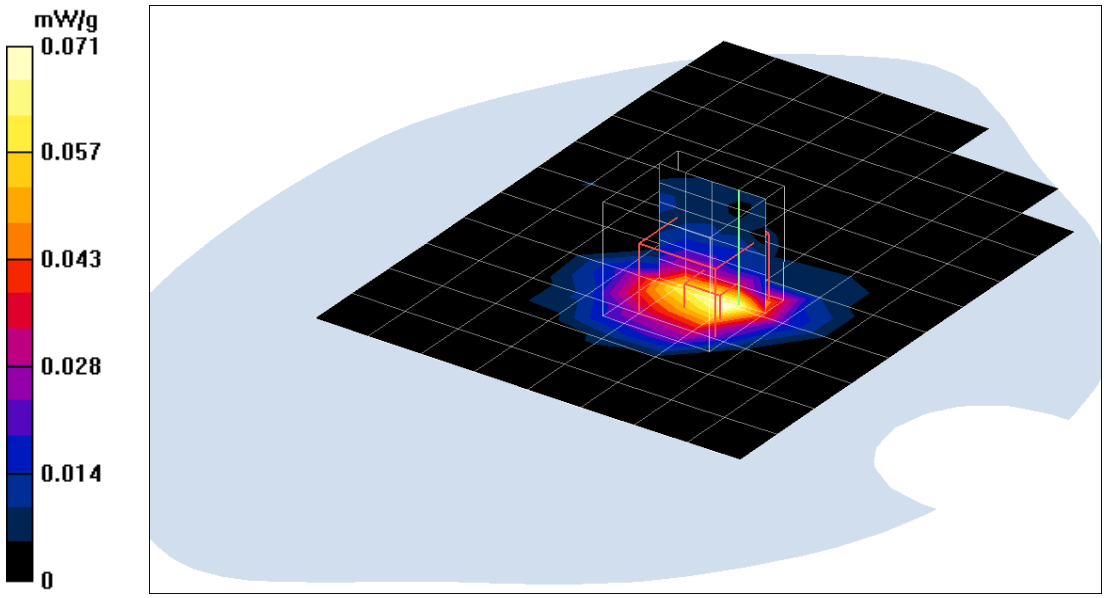
Communication System: IEEE 802.11b WLAN; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 2.01 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3
Air Temperature:23.9 deg C;Liquid Temperature:23.0 deg C
Area scan setting: Find secondary maxima within 2 dB, and with a peak SAR value greater than 0.0012 mW/g
Zoom scan setting: Maximum number of cubes to measure is 2
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.14, 6.14, 6.14); Calibrated: 11/19/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Ant-A Low CH Rate=11M bit/Area Scan (9x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.071 mW/g

Ant-A Low CH Rate=11M bit/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 2.77 V/m; Power Drift = 0.1 dB
Peak SAR (extrapolated) = 0.146 W/kg
SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.029 mW/g
Maximum value of SAR (measured) = 0.066 mW/g



Date/Time: 03/24/05 11:10:04

Test Laboratory: Compliance Certification Services Inc.

802.11b Touch Parallel Mode Acer II

DUT: 802.11g WLAN Cardbus Adapter; Type: DWL-G680; Serial: N/A

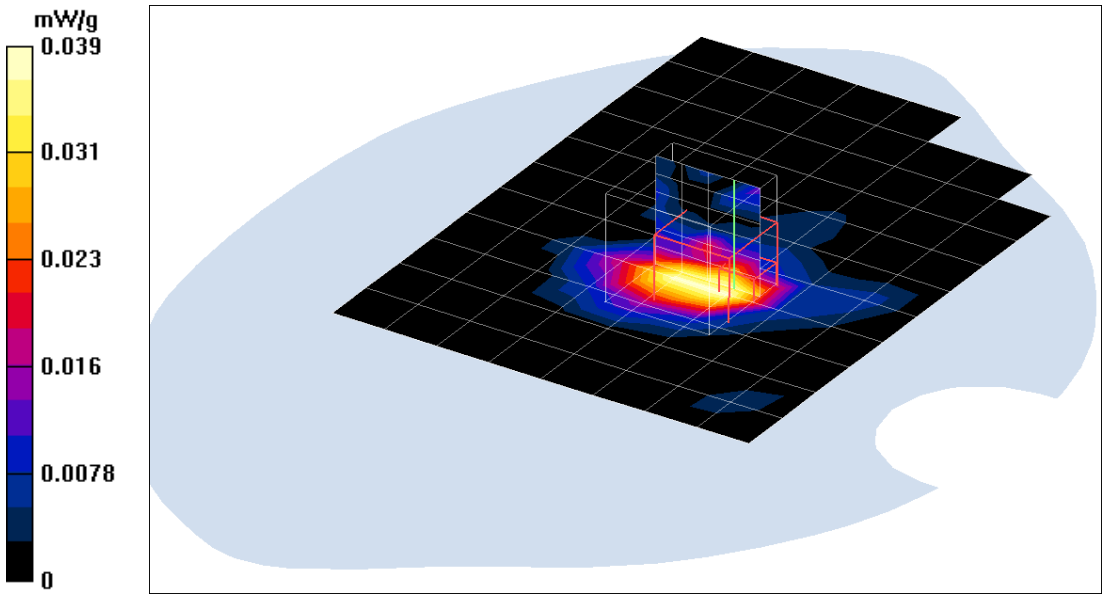
Communication System: IEEE 802.11b WLAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 2.01 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3
Air Temperature:23.9 deg C;Liquid Temperature:23.0 deg C
Area scan setting: Find secondary maxima within 2 dB, and with a peak SAR value greater than 0.0012 mW/g
Zoom scan setting: Maximum number of cubes to measure is 2
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.14, 6.14, 6.14); Calibrated: 11/19/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Ant-A High CH Rate=11M bit/Area Scan (9x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.039 mW/g

Ant-A High CH Rate=11M bit/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 1.77 V/m; Power Drift = 0.2 dB
Peak SAR (extrapolated) = 11.7 W/kg
SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.015 mW/g
Maximum value of SAR (measured) = 0.037 mW/g



Date/Time: 03/24/05 11:10:17

Test Laboratory: Compliance Certification Services Inc.

802.11g Touch Parallel Mode Acer II

DUT: 802.11g WLAN Cardbus Adapter; Type: DWL-G680; Serial: N/A

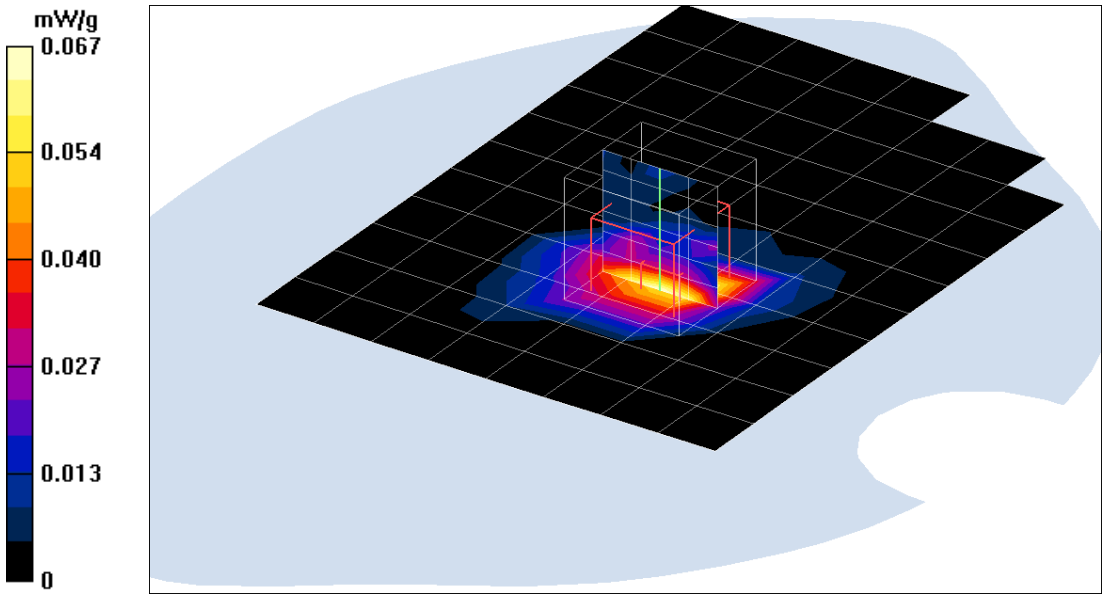
Communication System: IEEE 802.11g WLAN; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 2.01 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3
Air Temperature:23.9 deg C;Liquid Temperature:23.0 deg C
Area scan setting: Find secondary maxima within 2 dB, and with a peak SAR value greater than 0.0012 mW/g
Zoom scan setting: Maximum number of cubes to measure is 2
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.14, 6.14, 6.14); Calibrated: 11/19/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Ant-A Low CH Rate=6M bit/Area Scan (9x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.067 mW/g

Ant-A Low CH Rate=6M bit/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 3 V/m; Power Drift = 0.2 dB
Peak SAR (extrapolated) = 0.143 W/kg
SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.031 mW/g
Maximum value of SAR (measured) = 0.068 mW/g



Date/Time: 03/24/05 11:10:17

Test Laboratory: Compliance Certification Services Inc.

802.11g Touch Parallel Mode Acer II

DUT: 802.11g WLAN Cardbus Adapter; Type: DWL-G680; Serial: N/A

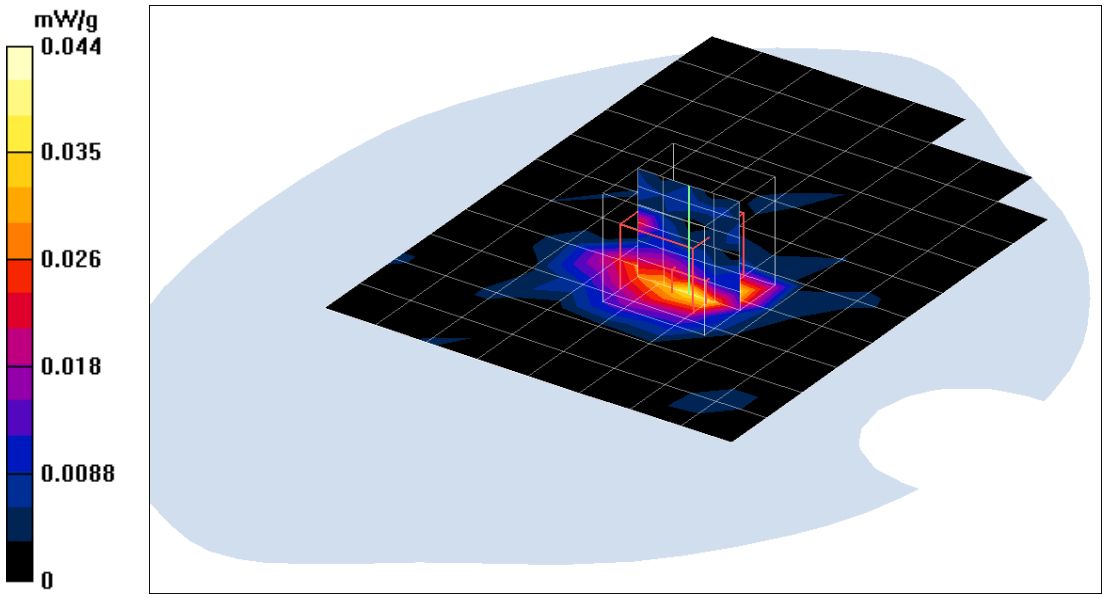
Communication System: IEEE 802.11g WLAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 2.01 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3
Air Temperature:23.9 deg C;Liquid Temperature:23.0 deg C
Area scan setting: Find secondary maxima within 2 dB, and with a peak SAR value greater than 0.0012 mW/g
Zoom scan setting: Maximum number of cubes to measure is 2
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.14, 6.14, 6.14); Calibrated: 11/19/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Ant-A High CH Rate=6M bit/Area Scan (9x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.044 mW/g

Ant-A High CH Rate=6M bit/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 2.1 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.266 W/kg
SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.014 mW/g
Maximum value of SAR (measured) = 0.039 mW/g



Date/Time: 03/24/05 13:18:09

Test Laboratory: Compliance Certification Services Inc.

802.11b Touch Parallel Mode Dell II

DUT: 802.11g WLAN Cardbus Adapter; Type: DWL-G680; Serial: N/A

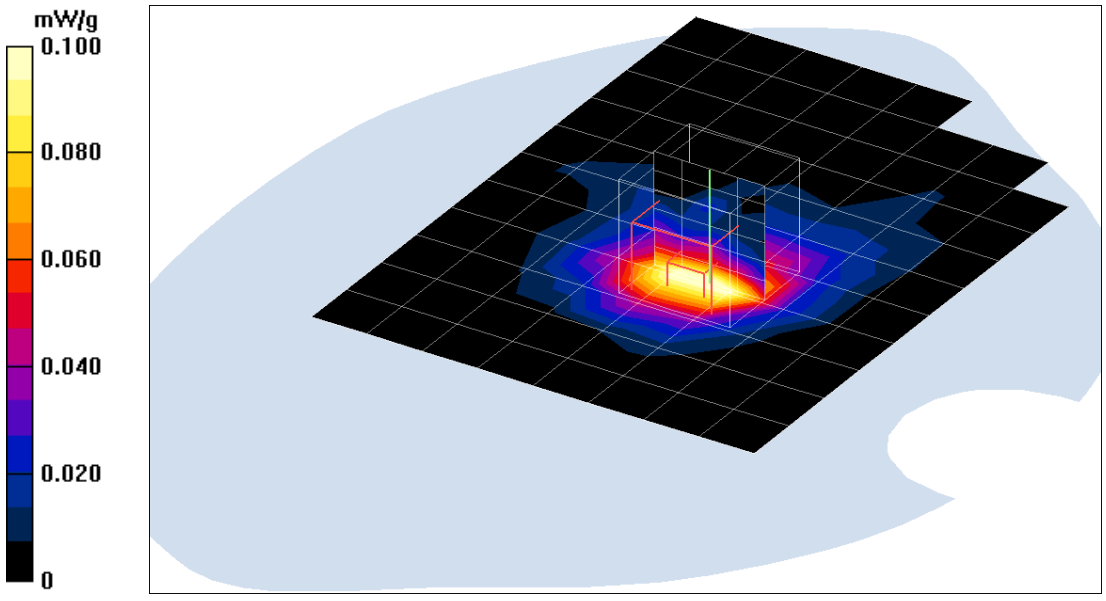
Communication System: IEEE 802.11b WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 2.01 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3
Air Temperature:23.9 deg C;Liquid Temperature:23.0 deg C
Area scan setting: Find secondary maxima within 2 dB, and with a peak SAR value greater than 0.0012 mW/g
Zoom scan setting: Maximum number of cubes to measure is 2
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.14, 6.14, 6.14); Calibrated: 11/19/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Ant-A Middle CH Rate=11M bit/Area Scan (9x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.100 mW/g

Ant-A Middle CH Rate=11M bit/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 3.69 V/m; Power Drift = 0.2 dB
Peak SAR (extrapolated) = 15.2 W/kg
SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.049 mW/g
Maximum value of SAR (measured) = 0.109 mW/g



Date/Time: 03/24/05 13:18:32

Test Laboratory: Compliance Certification Services Inc.

802.11g Touch Parallel Mode Dell II

DUT: 802.11g WLAN Cardbus Adapter; Type: DWL-G680; Serial: N/A

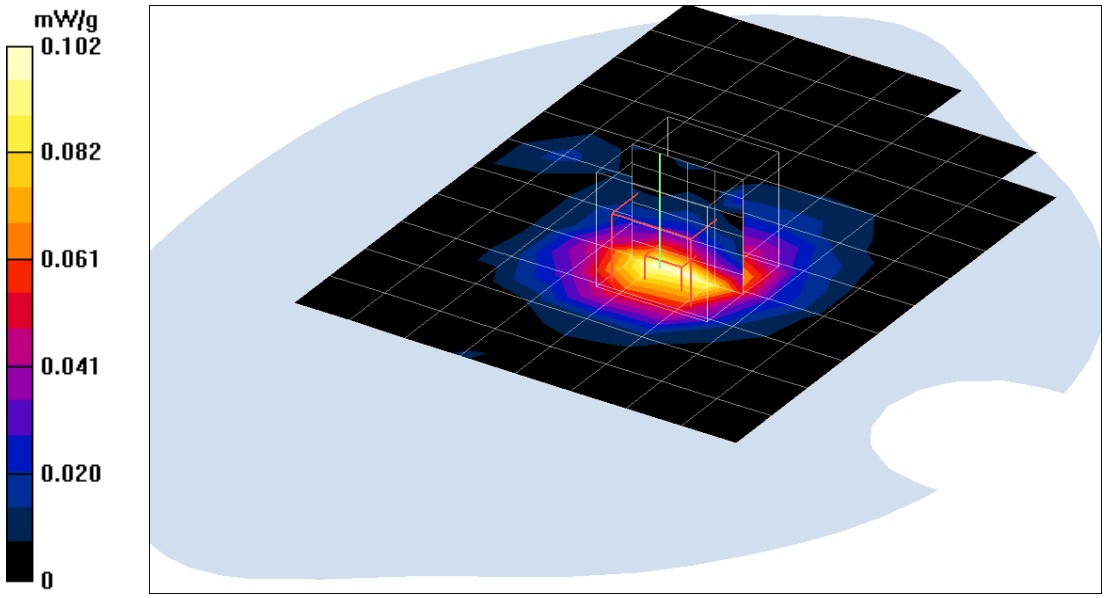
Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 2.01 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3
Air Temperature:23.9 deg C;Liquid Temperature:23.0 deg C
Area scan setting: Find secondary maxima within 2 dB, and with a peak SAR value greater than 0.0012 mW/g
Zoom scan setting: Maximum number of cubes to measure is 2
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.14, 6.14, 6.14); Calibrated: 11/19/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Ant-A Middle CH Rate=6M bit/Area Scan (9x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.102 mW/g

Ant-A Middle CH Rate=6M bit/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.28 V/m; Power Drift = 0.2 dB
Peak SAR (extrapolated) = 0.169 W/kg
SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.050 mW/g
Maximum value of SAR (measured) = 0.109 mW/g



Date/Time: 03/24/05 13:18:55

Test Laboratory: Compliance Certification Services Inc.

802.11g TURBO Touch Parallel Mode Dell II

DUT: 802.11g WLAN Cardbus Adapter; Type: DWL-G680; Serial: N/A

Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 2.01 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3
Air Temperature:23.9 deg C;Liquid Temperature:23.0 deg C
Area scan setting: Find secondary maxima within 2 dB, and with a peak SAR value greater than 0.0012 mW/g
Zoom scan setting: Maximum number of cubes to measure is 2
Phantom section: Flat Section

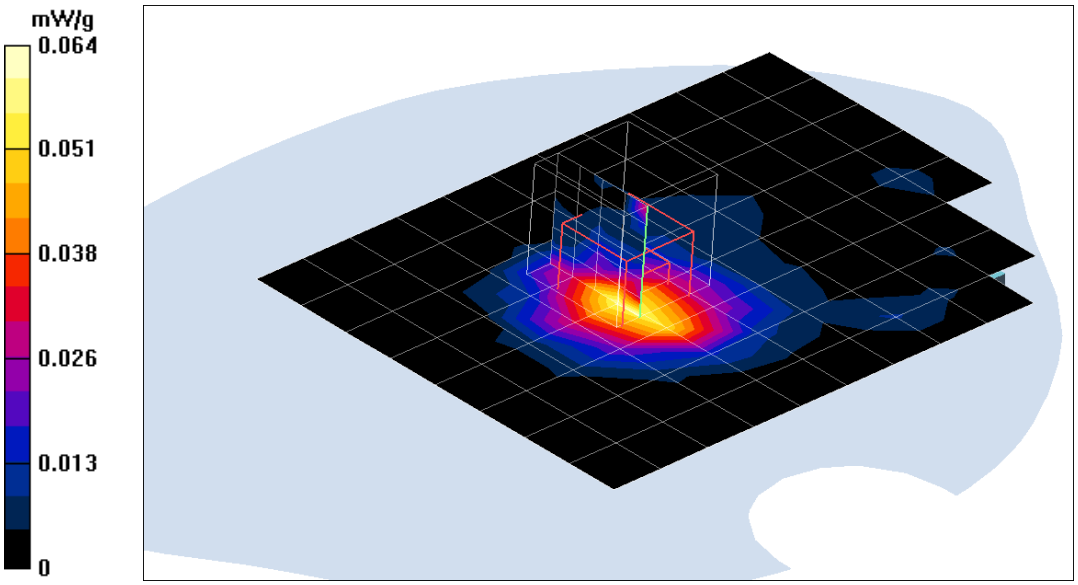
DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.14, 6.14, 6.14); Calibrated: 11/19/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Ant-A Middle CH Rate=12M bit/Area Scan (9x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.059 mW/g

Ant-A Middle CH Rate=12M bit/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 2.86 V/m; Power Drift = 0.2 dB
Peak SAR (extrapolated) = 1.7 W/kg
SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.026 mW/g
Maximum value of SAR (measured) = 0.064 mW/g



Date/Time: 03/24/05 16:14:05

Test Laboratory: Compliance Certification Services Inc.

802.11b Touch parallel Mode IBM II

DUT: 802.11g WLAN Cardbus Adapter; Type: DWL-G680; Serial: N/A

Communication System: IEEE 802.11b WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 2.01 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3
Air Temperature:23.9 deg C;Liquid Temperature:23.0 deg C
Area scan setting: Find secondary maxima within 2 dB, and with a peak SAR value greater than 0.0012mW/g
Zoom scan setting: Maximum number of cubes to measure is 2

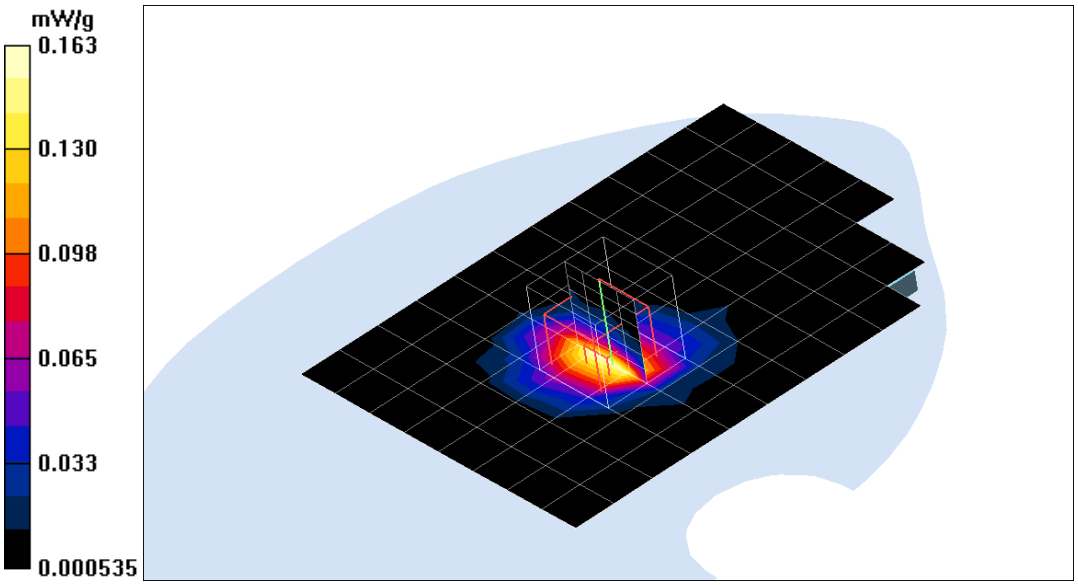
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.14, 6.14, 6.14); Calibrated: 11/19/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Ant-A Middle CH Rate=11M bit/Area Scan (9x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.155 mW/g

Ant-A Middle CH Rate=11M bit/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.04 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.259 W/kg
SAR(1 g) = 0.124 mW/g; SAR(10 g) = 0.072 mW/g
Maximum value of SAR (measured) = 0.163 mW/g



Date/Time: 03/24/05 16:14:38

Test Laboratory: Compliance Certification Services Inc.

802.11g Touch parallel Mode IBM II

DUT: 802.11g WLAN Cardbus Adapter; Type: DWL-G680; Serial: N/A

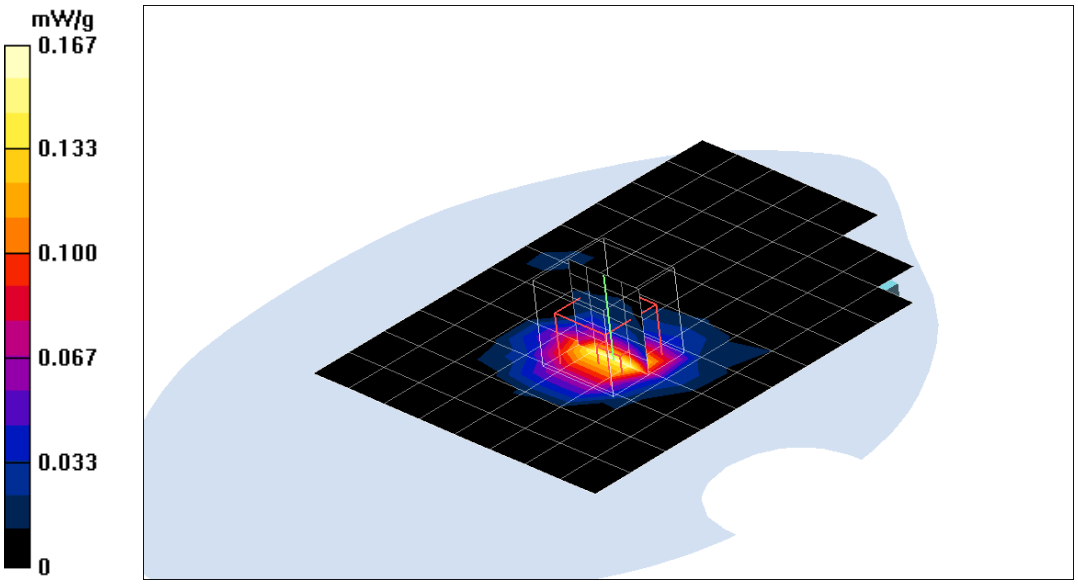
Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 2.01 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3
Air Temperature:23.9 deg C;Liquid Temperature:23.0 deg C
Area scan setting: Find secondary maxima within 2 dB, and with a peak SAR value greater than 0.0012mW/g
Zoom scan setting: Maximum number of cubes to measure is 2
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.14, 6.14, 6.14); Calibrated: 11/19/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Ant-A Middle CH Rate=6M bit/Area Scan (9x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.152 mW/g

Ant-A Middle CH Rate=6M bit/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.63 V/m; Power Drift = -0.2 dB
Peak SAR (extrapolated) = 2.3 W/kg
SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.070 mW/g
Maximum value of SAR (measured) = 0.167 mW/g



Test Laboratory: Compliance Certification Services Inc.

802.11g TURBO Touch parallel Mode IBM II

DUT: 802.11g WLAN Cardbus Adapter; Type: DWL-G680; Serial: N/A

Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 2.01 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3
Air Temperature:23.9 deg C;Liquid Temperature:23.0 deg C
Area scan setting: Find secondary maxima within 2 dB, and with a peak SAR value greater than 0.0012mW/g
Zoom scan setting: Maximum number of cubes to measure is 2

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.14, 6.14, 6.14); Calibrated: 11/19/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

Ant-A Middle CH Rate=12M bit/Area Scan (9x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.087 mW/g

Ant-A Middle CH Rate=12M bit/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 3.88 V/m; Power Drift = 0.2 dB
Peak SAR (extrapolated) = 0.509 W/kg
SAR(1 g) = 0.077 mW/g; SAR(10 g) = 0.040 mW/g

Maximum value of SAR (measured) = 0.106 mW/g