Date/Time: 2010/06/21 11:04:35 AM

Test Laboratory: Compliance Certification Services Inc.

DUT: X220P; Type: X220P; Serial: N/A

Communication System: IEEE 802.11b WLAN; Frequency: 2462 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2462 MHz; σ = 1.95 mho/m; ε_r = 51.9; ρ = 1000 kg/m3
Phantom section: Flat Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(5.8, 5.8, 5.8);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn558; Calibrated: 2009/7/17
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

80211b High CH 11/Area Scan 1 (9x21x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.049 mW/g

80211b High CH 11/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

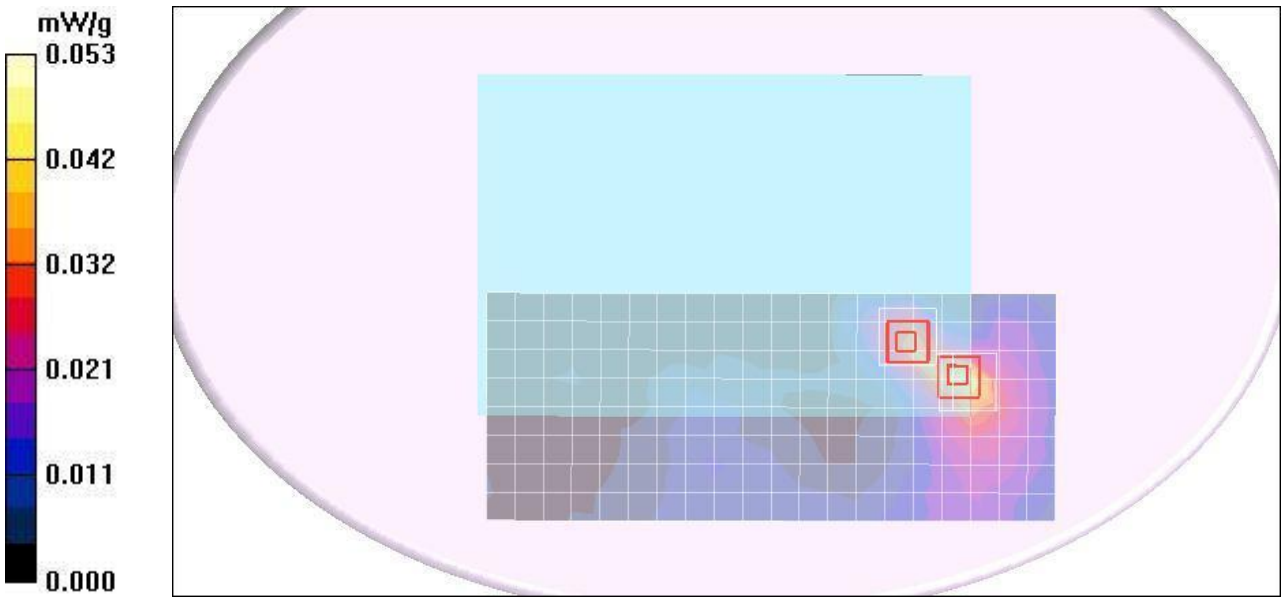
Reference Value = 0.000 V/m; Power Drift = -0.072 dB
Peak SAR (extrapolated) = 0.084 W/kg
SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.018 mW/g
Maximum value of SAR (measured) = 0.053 mW/g

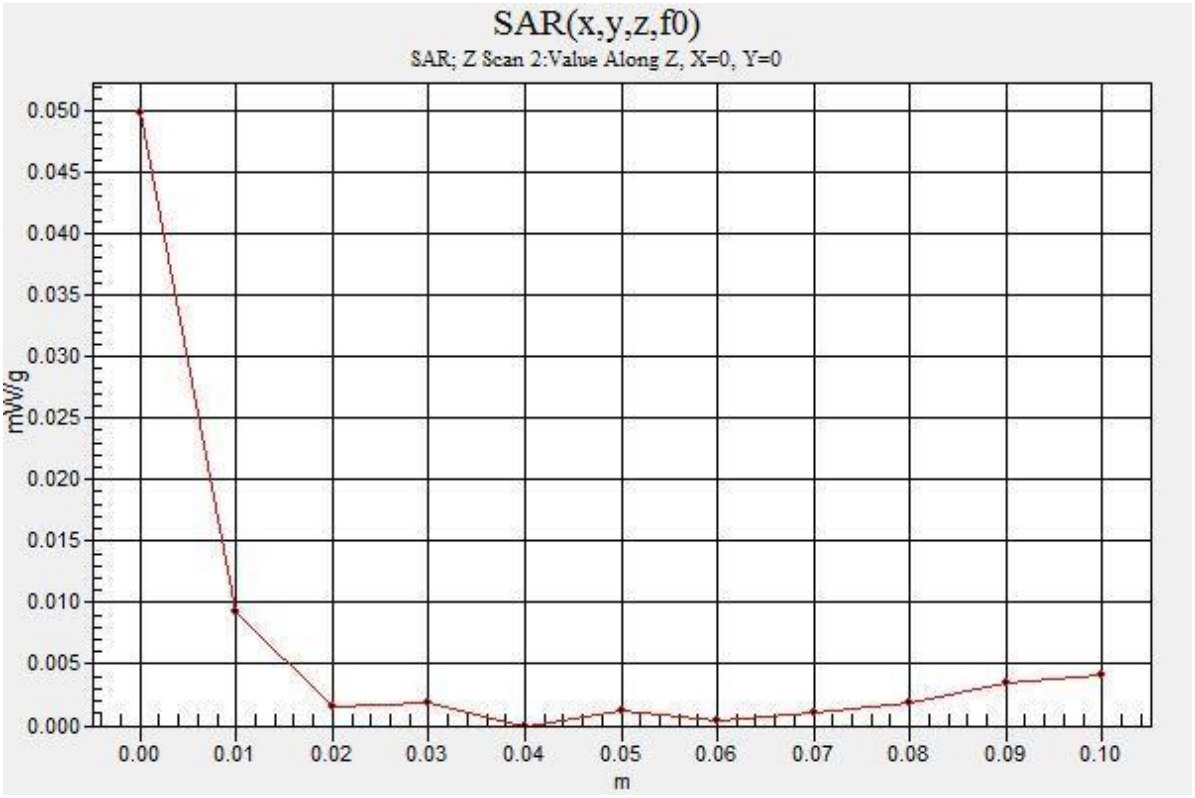
80211b High CH 11/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 0.000 V/m; Power Drift = -0.072 dB
Peak SAR (extrapolated) = 0.061 W/kg
SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.016 mW/g
Maximum value of SAR (measured) = 0.041 mW/g

80211b High CH 11/Z Scan (1x1x11): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.050 mW/g


mW/g
0.053
0.042
0.032
0.021
0.011
0.000


SAR(x,y,z,f0)
SAR; Z Scan 2:Value Along Z, X=0, Y=0
mW/g
0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
m

Date/Time: 2010/06/21 01:12:15 PM

Test Laboratory: Compliance Certification Services Inc.

DUT: X220P; Type: X220P; Serial: N/A

Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2437 MHz; σ = 1.95 mho/m; ε_r = 51.9; ρ = 1000 kg/m3

Phantom section: Flat Section

Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(5.8, 5.8, 5.8);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2009/7/17
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

80211g Middle CH 6/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.008 mW/g

80211g Middle CH 6/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 0.000 V/m; Power Drift = -0.064 dB

Peak SAR (extrapolated) = 0.011 W/kg

SAR(1 g) = 0.00707 mW/g; SAR(10 g) = 0.00254 mW/g

Maximum value of SAR (measured) = 0.009 mW/g

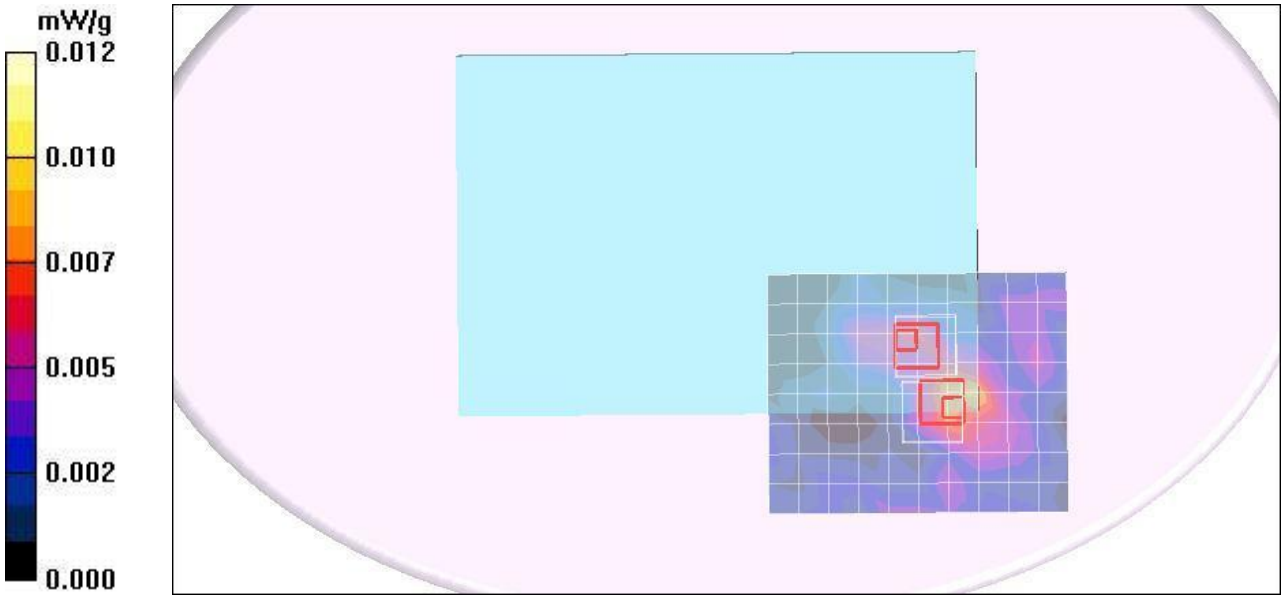
80211g Middle CH 6/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 0.000 V/m; Power Drift = -0.064 dB

Peak SAR (extrapolated) = 0.015 W/kg

SAR(1 g) = 0.00593 mW/g; SAR(10 g) = 0.00211 mW/g

Maximum value of SAR (measured) = 0.009 mW/g


mW/g
0.012
0.010
0.007
0.005
0.002
0.000

Date/Time: 2010/06/21 02:01:00 PM

Test Laboratory: Compliance Certification Services Inc.

DUT: X220P; Type: X220P; Serial: N/A

Communication System: IEEE 802.11g HT20 WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2437 MHz; σ = 1.95 mho/m; ε_r = 51.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(5.8, 5.8, 5.8);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2009/7/17
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

80211g HT20 Middle CH 6/Area Scan (9x11x1): Measurement grid:

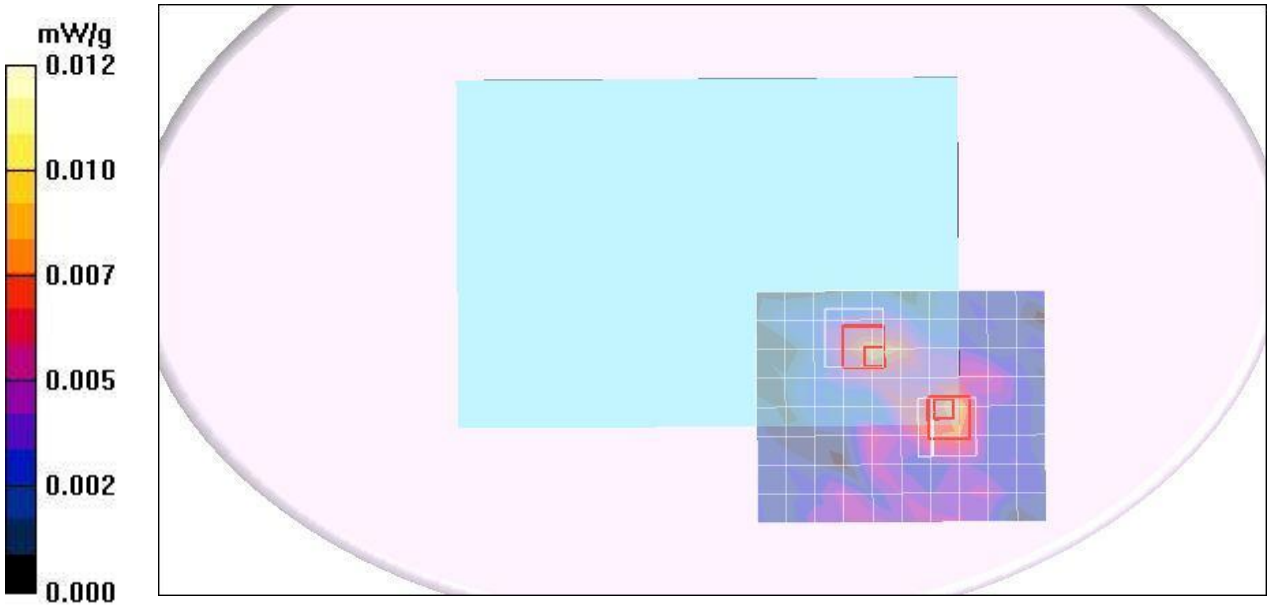
dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.009 mW/g

80211g HT20 Middle CH 6/Zoom Scan (7x7x9)/Cube 0: Measurement

grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 0.272 V/m; Power Drift = -0.122 dB
Peak SAR (extrapolated) = 0.019 W/kg
SAR(1 g) = 0.00588 mW/g; SAR(10 g) = 0.00228 mW/g
Maximum value of SAR (measured) = 0.010 mW/g

80211g HT20 Middle CH 6/Zoom Scan (7x7x9)/Cube 1: Measurement

grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 0.272 V/m; Power Drift = -0.122 dB
Peak SAR (extrapolated) = 0.014 W/kg
SAR(1 g) = 0.00757 mW/g; SAR(10 g) = 0.00322 mW/g
Maximum value of SAR (measured) = 0.010 mW/g


mW/g
0.012
0.010
0.007
0.005
0.002
0.000

Date/Time: 2010/06/21 02:51:39 PM

Test Laboratory: Compliance Certification Services Inc.

DUT: X220P; Type: X220P; Serial: N/A

Communication System: IEEE 802.11g WLAN HT40; Frequency: 2422 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2422 MHz; σ = 1.94 mho/m; ε_r = 51.9; ρ = 1000 kg/m3

Phantom section: Flat Section

Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(5.8, 5.8, 5.8);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2009/7/17
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

80211g HT40 Low CH 1/Area Scan (9x11x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.009 mW/g

80211g HT40 Low CH 1/Zoom Scan (7x7x9)/Cube 0: Measurement

grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 0.000 V/m; Power Drift = -0.109 dB

Peak SAR (extrapolated) = 0.012 W/kg

SAR(1 g) = 0.00616 mW/g; SAR(10 g) = 0.00322 mW/g

Maximum value of SAR (measured) = 0.010 mW/g

80211g HT40 Low CH 1/Zoom Scan (7x7x9)/Cube 1: Measurement

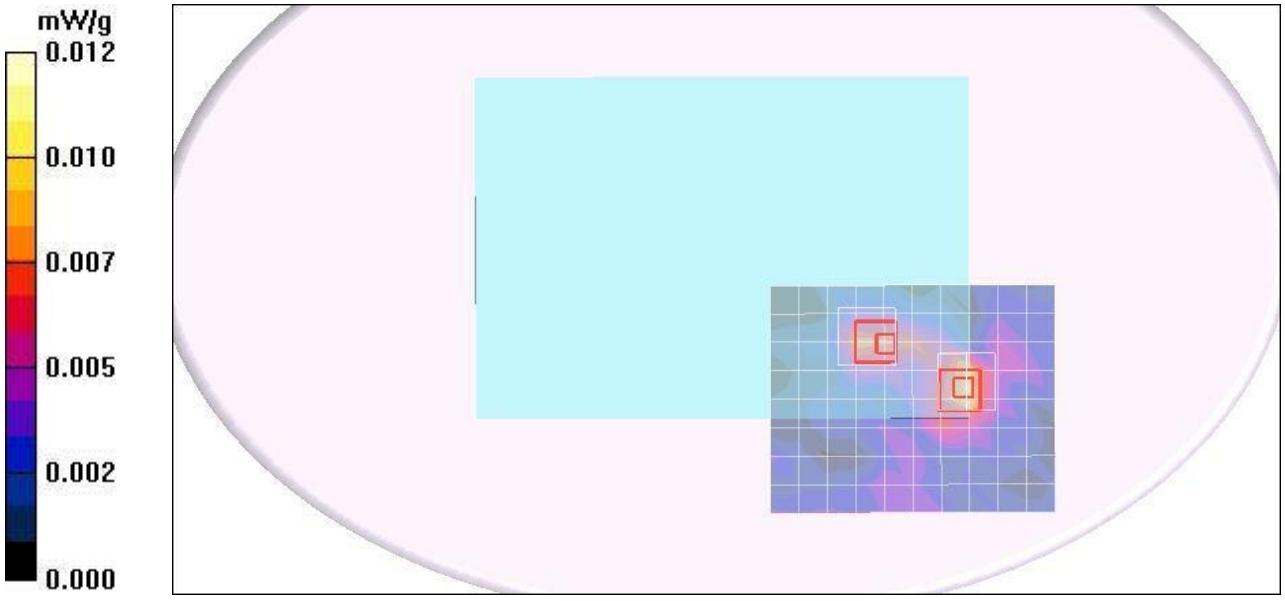
grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 0.000 V/m; Power Drift = -0.109 dB

Peak SAR (extrapolated) = 0.016 W/kg

SAR(1 g) = 0.00527 mW/g; SAR(10 g) = 0.00199 mW/g

Maximum value of SAR (measured) = 0.010 mW/g


mW/g
0.012
0.010
0.007
0.005
0.002
0.000

Date/Time: 2010/06/21 03:15:35 PM

Test Laboratory: Compliance Certification Services Inc.

DUT: X220P; Type: X220P; Serial: N/A

Communication System: IEEE 802.11b WLAN; Frequency: 2462 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2462 MHz; σ = 1.95 mho/m; ε_r = 51.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(5.8, 5.8, 5.8);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn558; Calibrated: 2009/7/17
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

80211b High CH 11/Area Scan 1 (9x21x1): Measurement grid: dx=18mm, dy=18mm

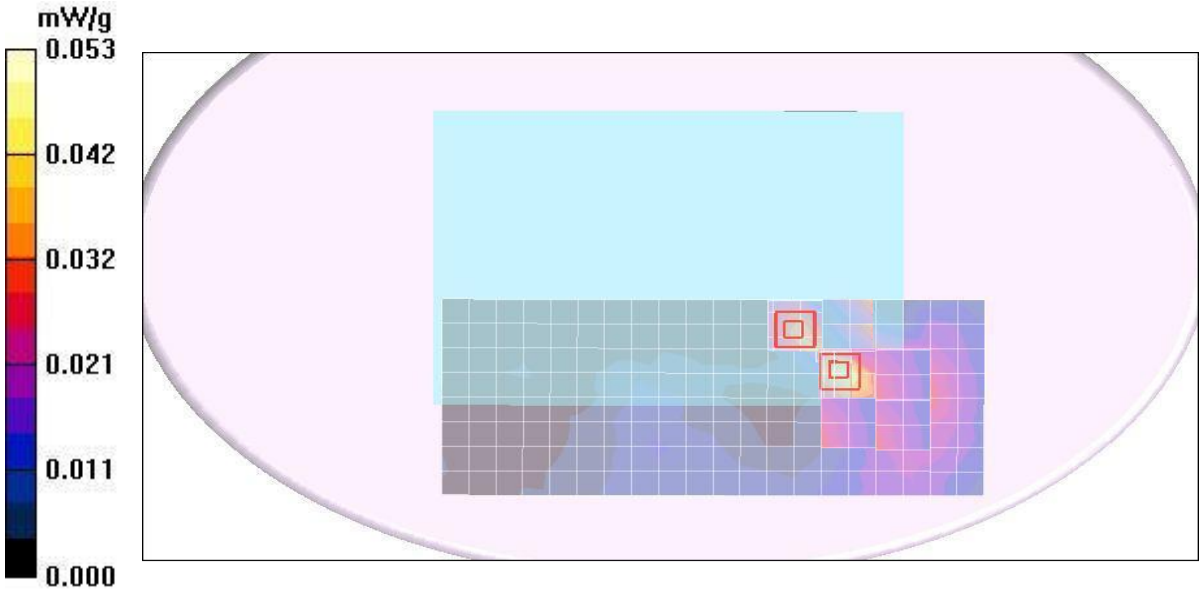
Maximum value of SAR (measured) = 0.011 mW/g

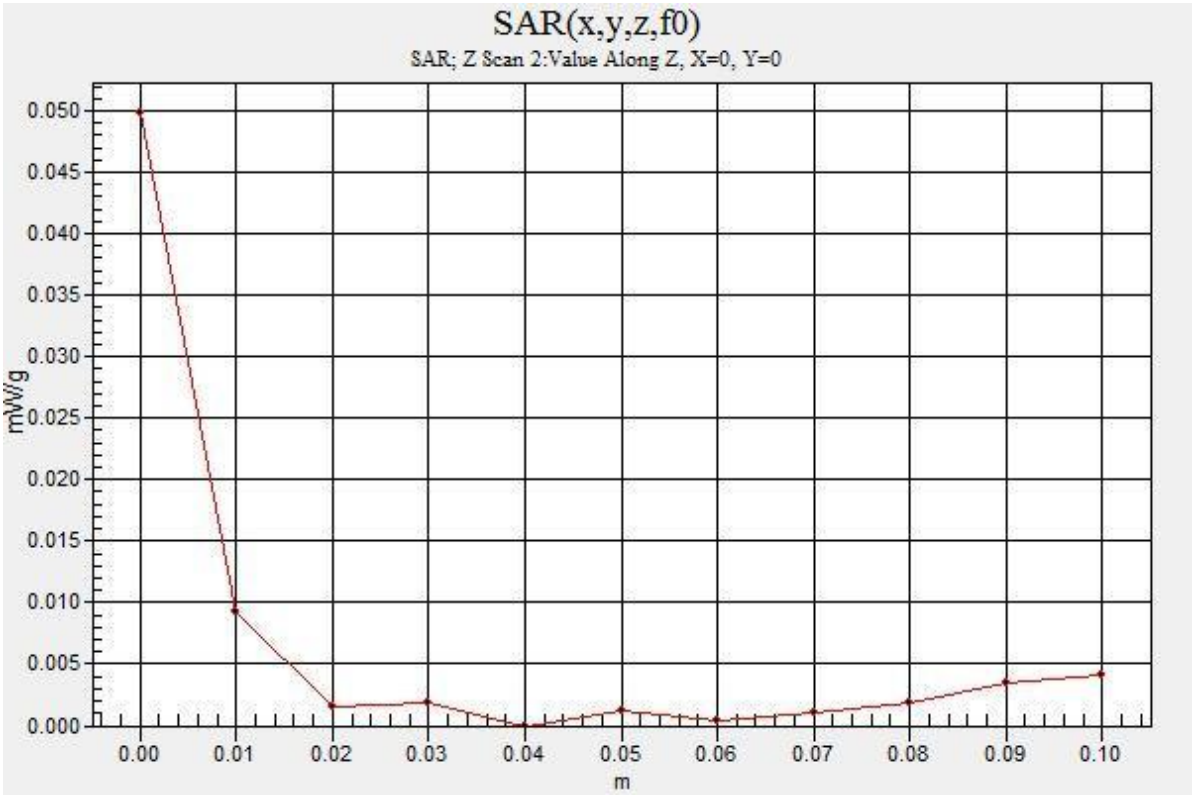
80211b High CH 11/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.913 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.033 W/kg
SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00744 mW/g
Maximum value of SAR (measured) = 0.053 mW/g

80211b High CH 11/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.913 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.022 W/kg
SAR(1 g) = 0.00988 mW/g; SAR(10 g) = 0.00677 mW/g
Maximum value of SAR (measured) = 0.010 mW/g


mW/g
0.053
0.042
0.032
0.021
0.011
0.000


SAR(x,y,z,f0)
SAR; Z Scan 2:Value Along Z, X=0, Y=0
mW/g
0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
m

Date/Time: 2010/06/21 03:50:15 PM

Test Laboratory: Compliance Certification Services Inc.

DUT: X220P; Type: X220P; Serial: N/A

Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2437 MHz; σ = 1.95 mho/m; ε_r = 51.9; ρ = 1000 kg/m3

Phantom section: Flat Section

Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(5.8, 5.8, 5.8);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2009/7/17
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

80211g Middle CH 6/Area Scan (9x11x1): Measurement grid: dx=18mm, dy=18mm

Maximum value of SAR (measured) = 0.011 mW/g

80211g Middle CH 6/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.913 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.033 W/kg

SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00742 mW/g

Maximum value of SAR (measured) = 0.012 mW/g

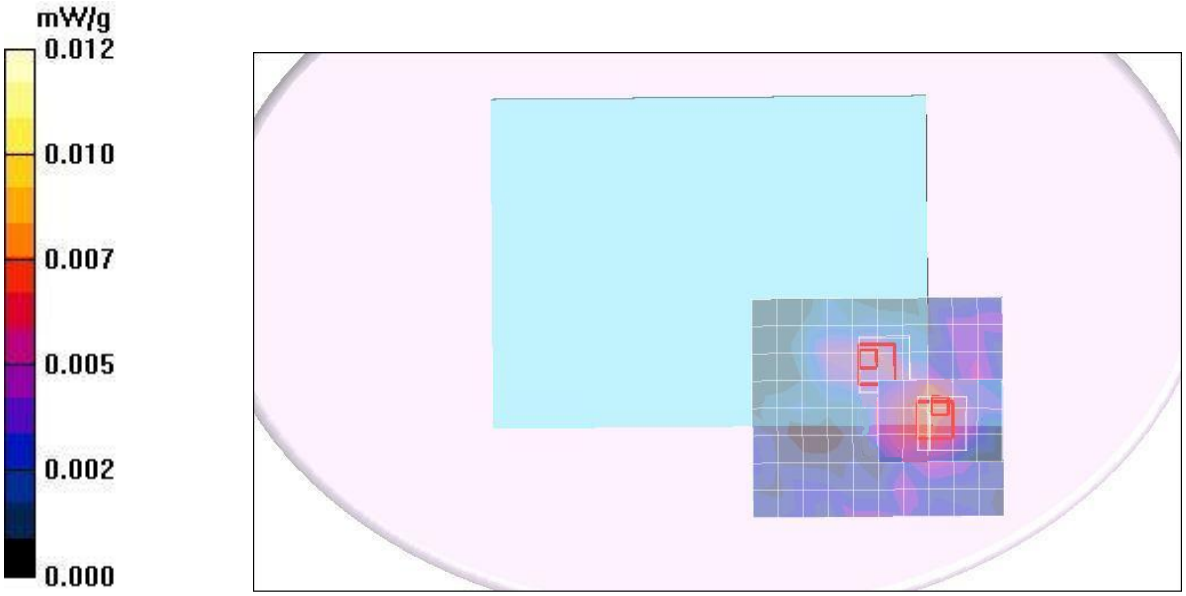
80211g Middle CH 6/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.913V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.023W/kg

SAR(1 g) = 0.00987mW/g; SAR(10 g) = 0.00675 mW/g

Maximum value of SAR (measured) = 0.009 mW/g


mW/g
0.012
0.010
0.007
0.005
0.002
0.000

Date/Time: 2010/06/21 04:20:00 PM

Test Laboratory: Compliance Certification Services Inc.

DUT: X220P; Type: X220P; Serial: N/A

Communication System: IEEE 802.11g HT20 WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2437 MHz; σ = 1.95 mho/m; ε_r = 51.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(5.8, 5.8, 5.8);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2009/7/17
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

80211g HT20 Middle CH 6/Area Scan (9x11x1): Measurement grid:

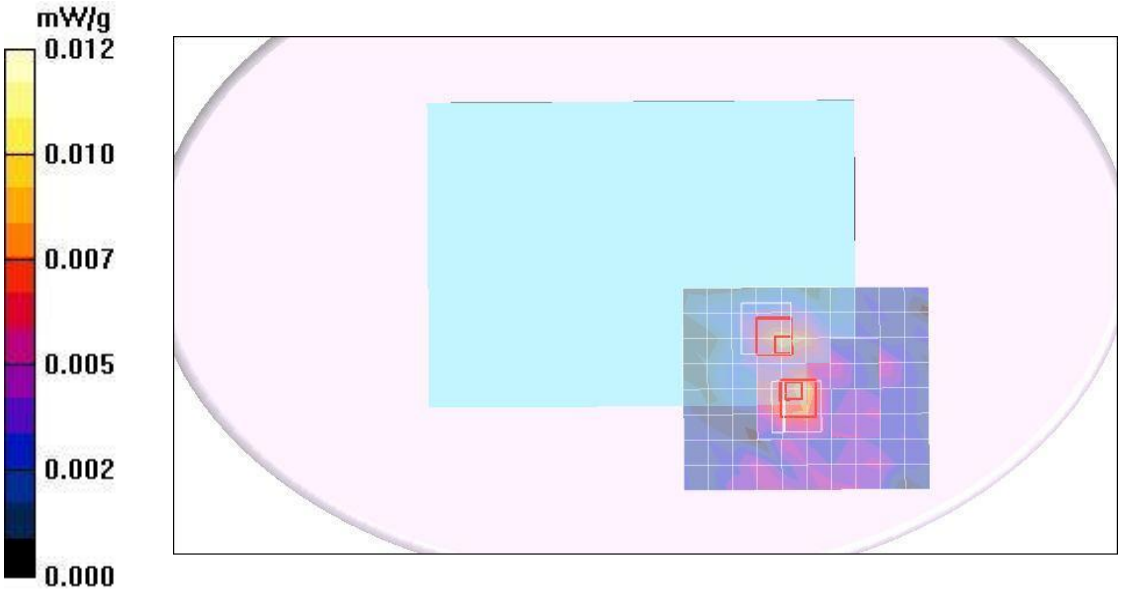
dx=18mm, dy=18mm
Maximum value of SAR (measured) = 0.011 mW/g

80211g HT20 Middle CH 6/Zoom Scan (7x7x9)/Cube 0: Measurement

grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.913 V/m; Power Drift = 0.012dB
Peak SAR (extrapolated) = 0.035 W/kg
SAR(1 g) = 0.0987 mW/g; SAR(10 g) = 0.00725mW/g
Maximum value of SAR (measured) = 0.010 mW/g

80211g HT20 Middle CH 6/Zoom Scan (7x7x9)/Cube 1: Measurement

grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.913 V/m; Power Drift = -0.122 dB
Peak SAR (extrapolated) = 0.014 W/kg
SAR(1 g) = 0.00948 mW/g; SAR(10 g) = 0.00657 mW/g
Maximum value of SAR (measured) = 0.010 mW/g


mW/g
0.012
0.010
0.007
0.005
0.002
0.000

Date/Time: 2010/06/21 05:00:39 PM

Test Laboratory: Compliance Certification Services Inc.

DUT: X220P; Type: X220P; Serial: N/A

Communication System: IEEE 802.11g WLAN HT40; Frequency: 2422 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2422 MHz; σ = 1.94 mho/m; ε_r = 51.9; ρ = 1000 kg/m3

Phantom section: Flat Section

Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(5.8, 5.8, 5.8);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2009/7/17
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

80211g HT40 Low CH 1/Area Scan (9x11x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.011 mW/g

80211g HT40 Low CH 1/Zoom Scan (7x7x9)/Cube 0: Measurement

grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.913 V/m; Power Drift = 0.011dB

Peak SAR (extrapolated) = 0.030 W/kg

SAR(1 g) = 0.00914 mW/g; SAR(10 g) = 0.00645 mW/g

Maximum value of SAR (measured) = 0.010 mW/g

80211g HT40 Low CH 1/Zoom Scan (7x7x9)/Cube 1: Measurement

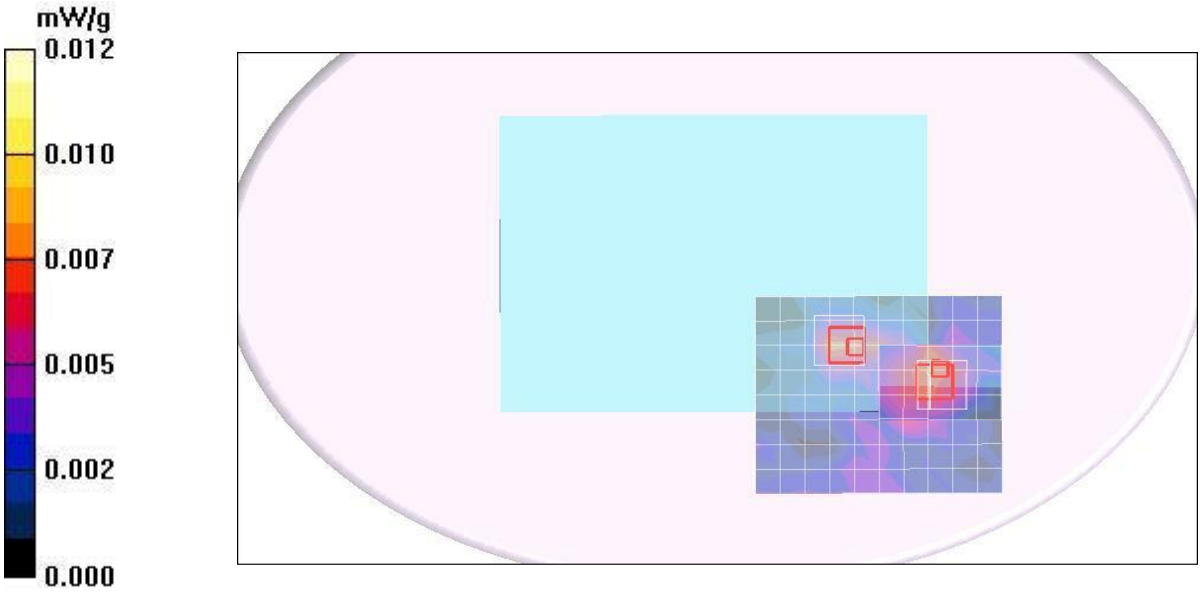
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.913 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 0.016 W/kg

SAR(1 g) = 0.00749 mW/g; SAR(10 g) = 0.00587 mW/g

Maximum value of SAR (measured) = 0.010 mW/g


mW/g
0.012
0.010
0.007
0.005
0.002
0.000