

Test Laboratory: Compliance Certification Services Inc.

## **D2450V2 SN-728 Body**

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:728**

Communication System: CW2450; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Pin=250mW,d=10mm/Area Scan (6x6x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 14.3 mW/g

**Pin=250mW,d=10mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 97.6 V/m; Power Drift = -0.025 dB

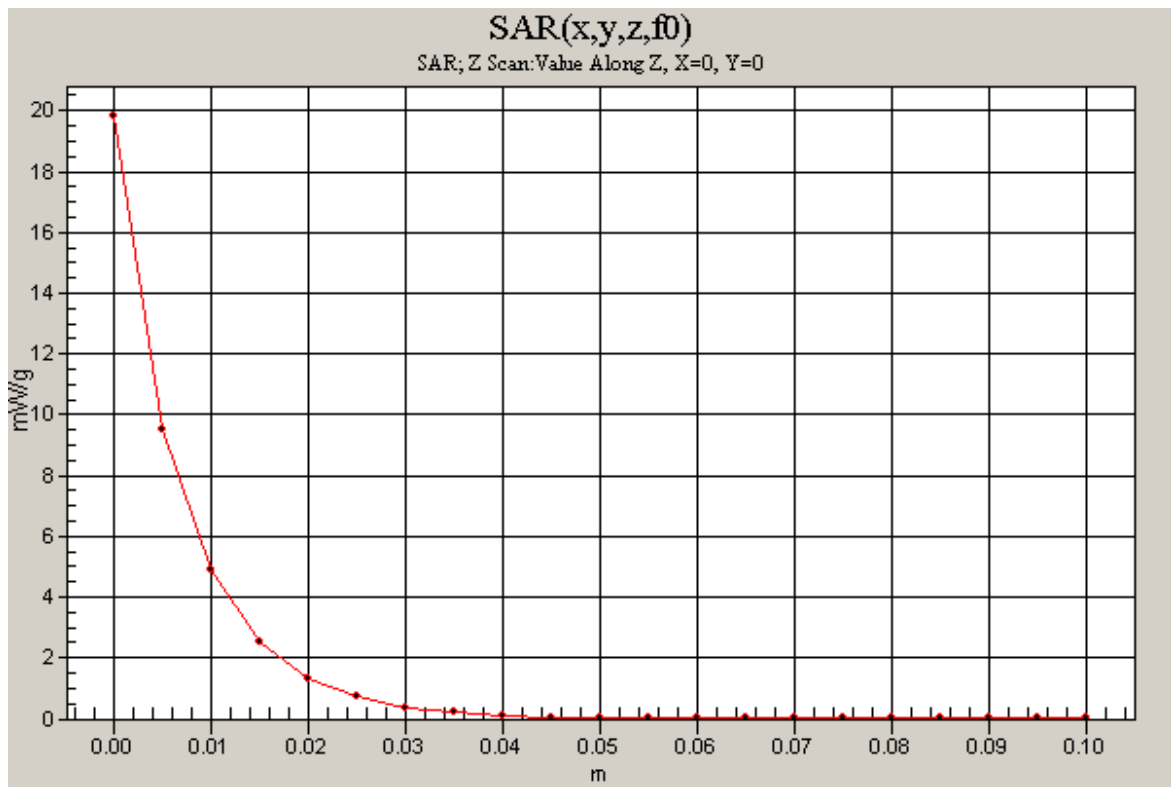
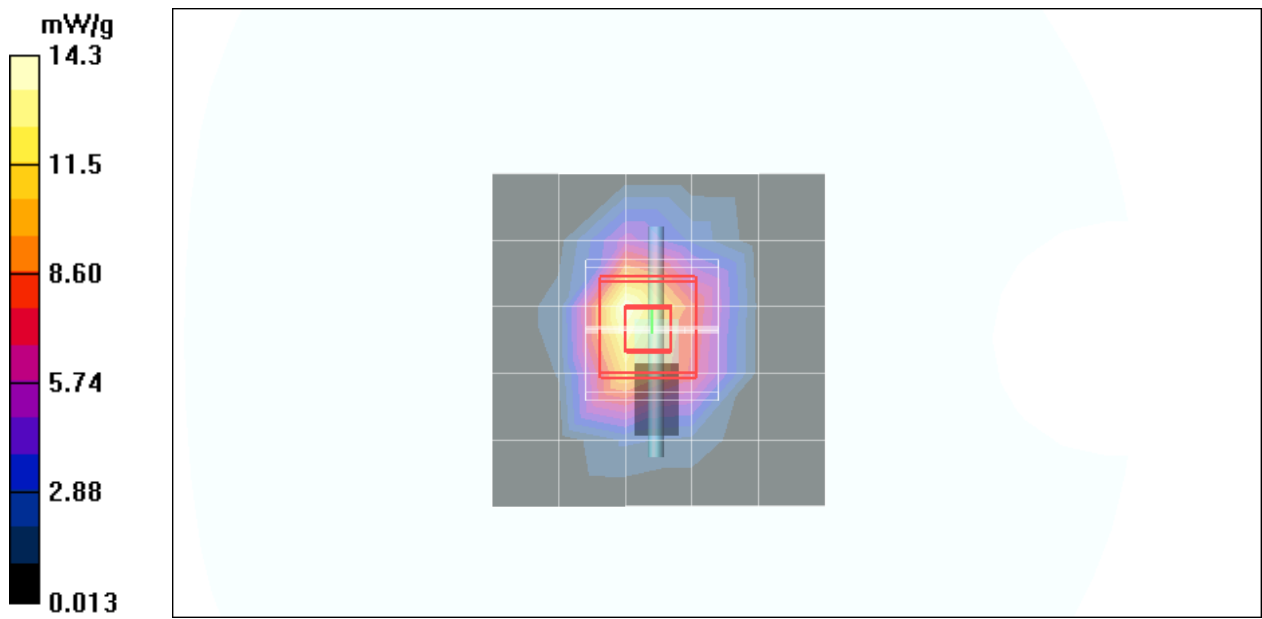
Peak SAR (extrapolated) = 28.5 W/kg

**SAR(1 g) = 13.6 mW/g; SAR(10 g) = 6.225 mW/g**

Maximum value of SAR (measured) = 19.4 mW/g

**Pin=250mW,d=10mm/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 19.8 mW/g



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## 80211b Horizontal Up 5mm mode WUB1900R

**DUT: WUB1900R; Type: 802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Middle CH Rate 1M/Area Scan (5x9x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.817 mW/g

**Middle CH Rate 1M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

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

Reference Value = 9.95 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.519 mW/g; SAR(10 g) = 0.221 mW/g**

Maximum value of SAR (measured) = 0.766 mW/g

**Middle CH Rate 1M/Zoom Scan (7x7x9)/Cube 1:** Measurement grid:

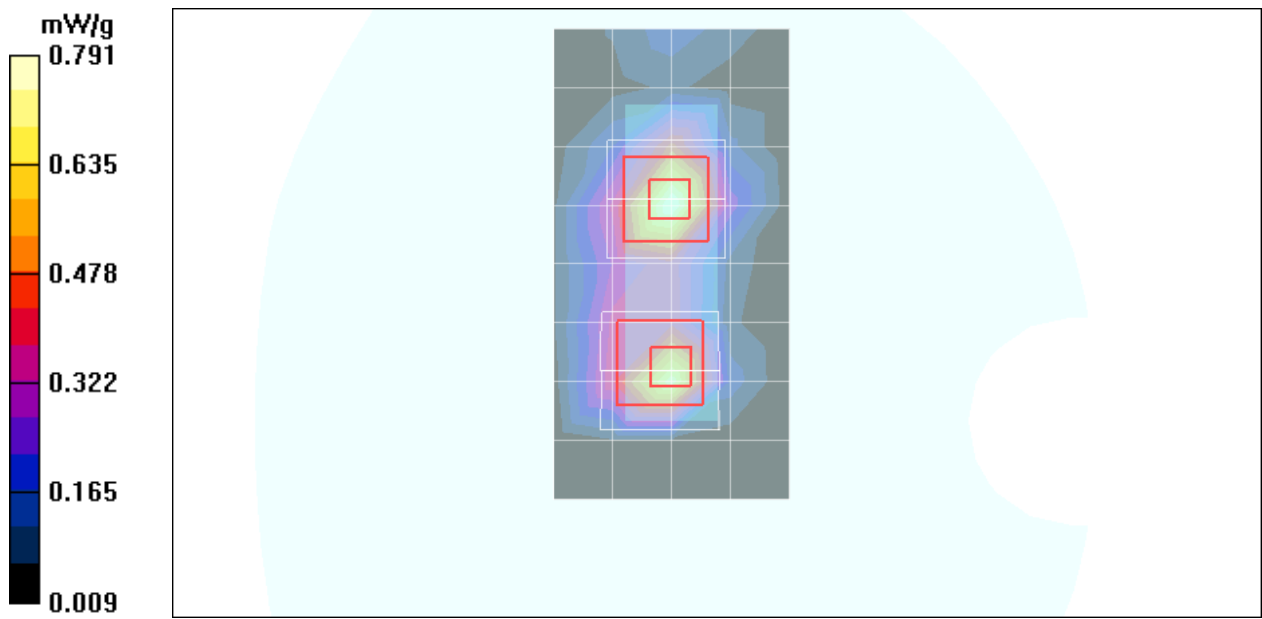
dx=5mm, dy=5mm, dz=3mm

Reference Value = 9.95 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 1.13 W/kg

**SAR(1 g) = 0.567 mW/g; SAR(10 g) = 0.272 mW/g**

Maximum value of SAR (measured) = 0.791 mW/g



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## **80211b Horizontal Up 10mm mode WUB1900R enhanced energy coupling**

**DUT: WUB1900R; Type: 802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**10mm Middle CH Rate 1M/Area Scan (5x9x1):** Measurement grid:

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

Maximum value of SAR (measured) = 0.402 mW/g

**10mm Middle CH Rate 1M/Zoom Scan 2 (7x7x9)/Cube 0:**

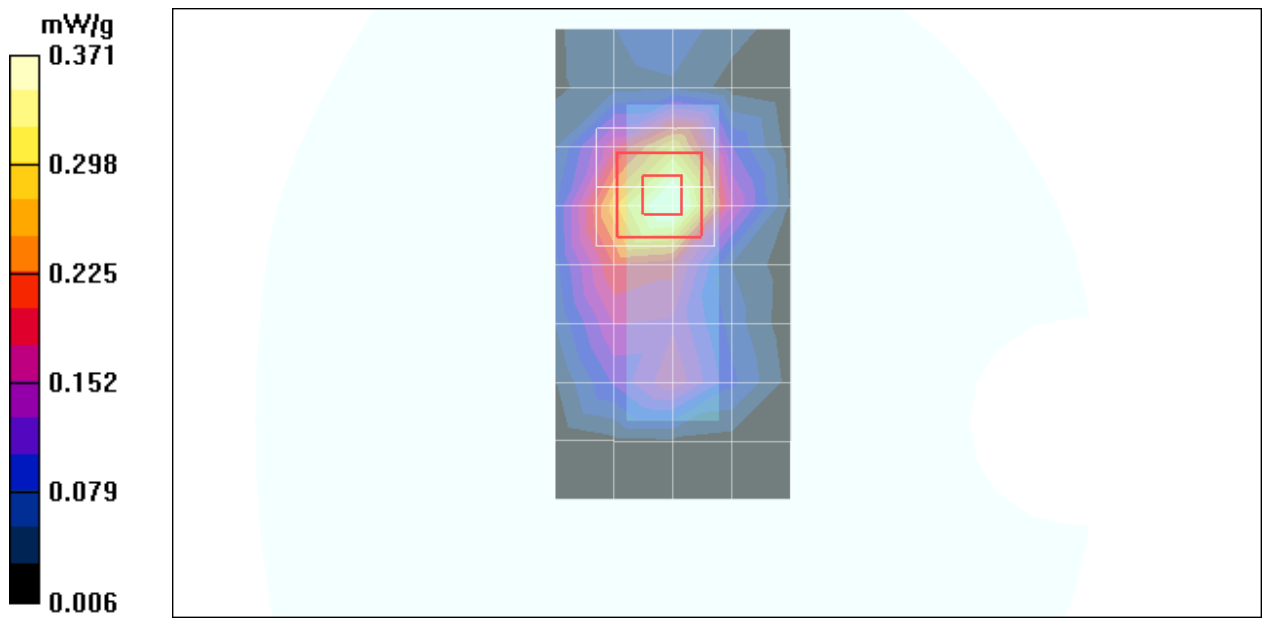
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 5.74 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 0.529 W/kg

**SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.142 mW/g**

Maximum value of SAR (measured) = 0.371 mW/g



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## 80211g Horizontal Up 5mm mode WUB1900R

**DUT: WUB1900R; Type: 802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Middle CH Rate 6M/Area Scan (5x9x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.523 mW/g

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

Reference Value = 5.68 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 0.786 W/kg

**SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.197 mW/g**

Maximum value of SAR (measured) = 0.551 mW/g

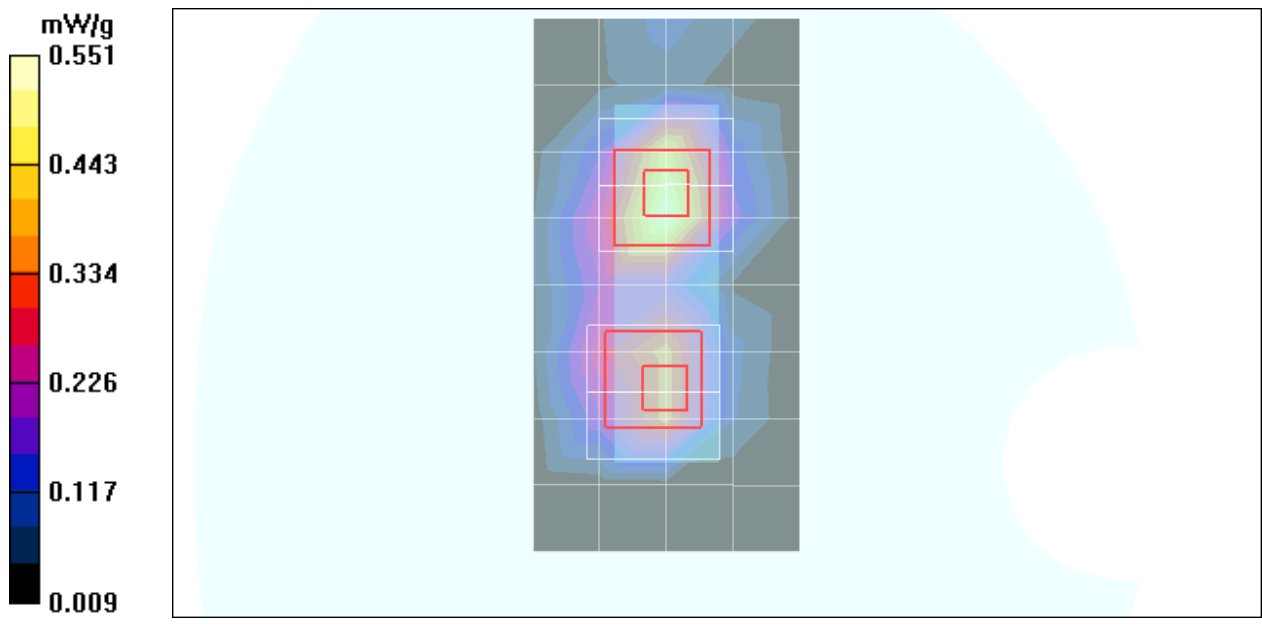
**Middle CH Rate 6M/Zoom Scan (7x7x9)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 5.68 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 0.864 W/kg

**SAR(1 g) = 0.362 mW/g; SAR(10 g) = 0.156 mW/g**

Maximum value of SAR (measured) = 0.532 mW/g





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## 80211g Horizontal Up 5mm mode WUB1900R HT20

**DUT: WUB1900R; Type: 802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Middle CH Rate 6.5M/Area Scan (5x9x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.467 mW/g

**Middle CH Rate 6.5M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

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

Reference Value = 5.55 V/m; Power Drift = -0.118 dB

Peak SAR (extrapolated) = 0.707 W/kg

**SAR(1 g) = 0.360 mW/g; SAR(10 g) = 0.176 mW/g**

Maximum value of SAR (measured) = 0.486 mW/g

**Middle CH Rate 6.5M/Zoom Scan (7x7x9)/Cube 1:** Measurement grid:

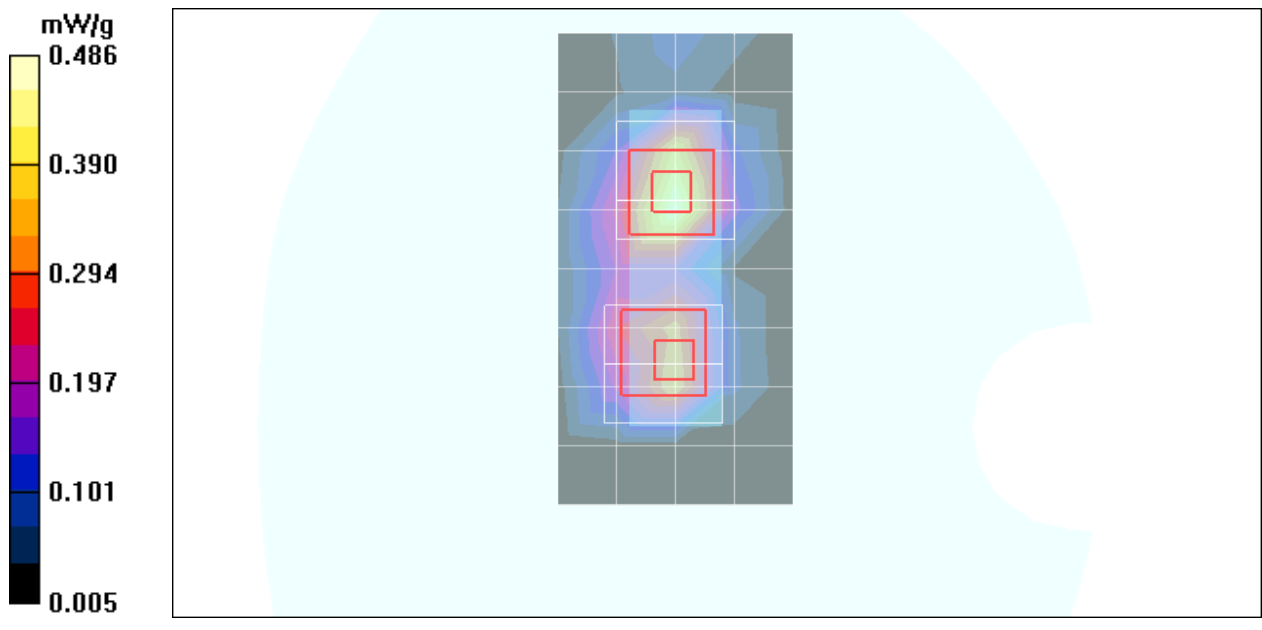
dx=5mm, dy=5mm, dz=3mm

Reference Value = 5.55 V/m; Power Drift = -0.118 dB

Peak SAR (extrapolated) = 0.760 W/kg

**SAR(1 g) = 0.321 mW/g; SAR(10 g) = 0.138 mW/g**

Maximum value of SAR (measured) = 0.466 mW/g



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## 80211g Horizontal Up 5mm mode WUB1900R HT40

**DUT: WUB1900R; Type: 802.11 b/g/n USB Dongle; Serial: N/A**

Communication System: IEEE 802.11g HT40 WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Middle CH Rate 13.5M/Area Scan (5x9x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.299 mW/g

**Middle CH Rate 13.5M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

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

Reference Value = 4.16 V/m; Power Drift = -0.049 dB

Peak SAR (extrapolated) = 0.474 W/kg

**SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.118 mW/g**

Maximum value of SAR (measured) = 0.330 mW/g

**Middle CH Rate 13.5M/Zoom Scan (7x7x9)/Cube 1:** Measurement grid:

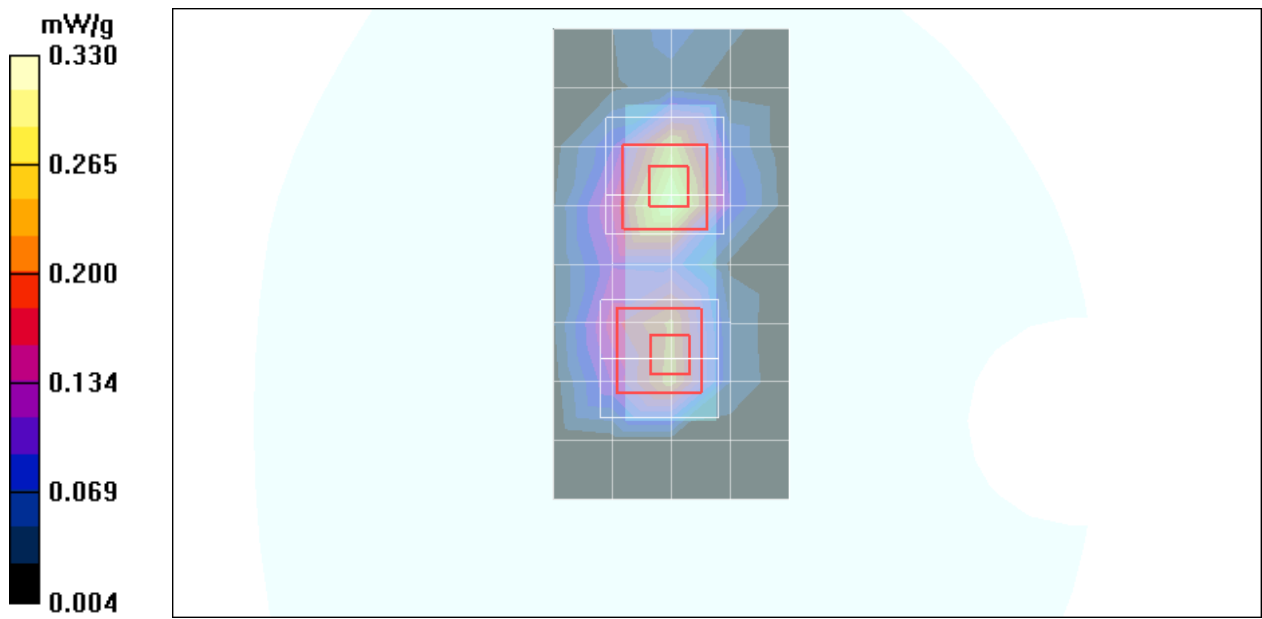
dx=5mm, dy=5mm, dz=3mm

Reference Value = 4.16 V/m; Power Drift = -0.049 dB

Peak SAR (extrapolated) = 0.515 W/kg

**SAR(1 g) = 0.220 mW/g; SAR(10 g) = 0.095 mW/g**

Maximum value of SAR (measured) = 0.320 mW/g



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## **80211b Horizontal Down 5mm mode WUB1900R**

**DUT: WUB1900R; Type: 802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Middle CH Rate 1M/Area Scan (5x9x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.900 mW/g

**Middle CH Rate 1M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

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

Reference Value = 8.39 V/m; Power Drift = -0.037 dB

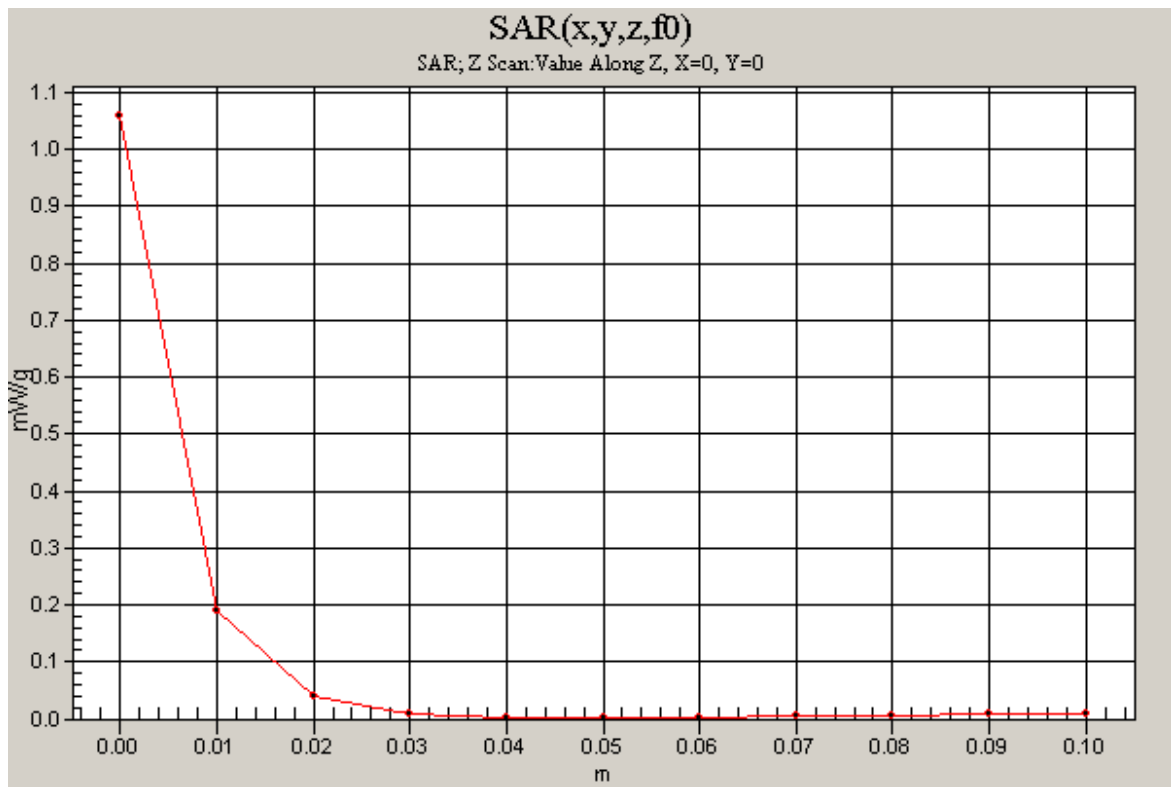
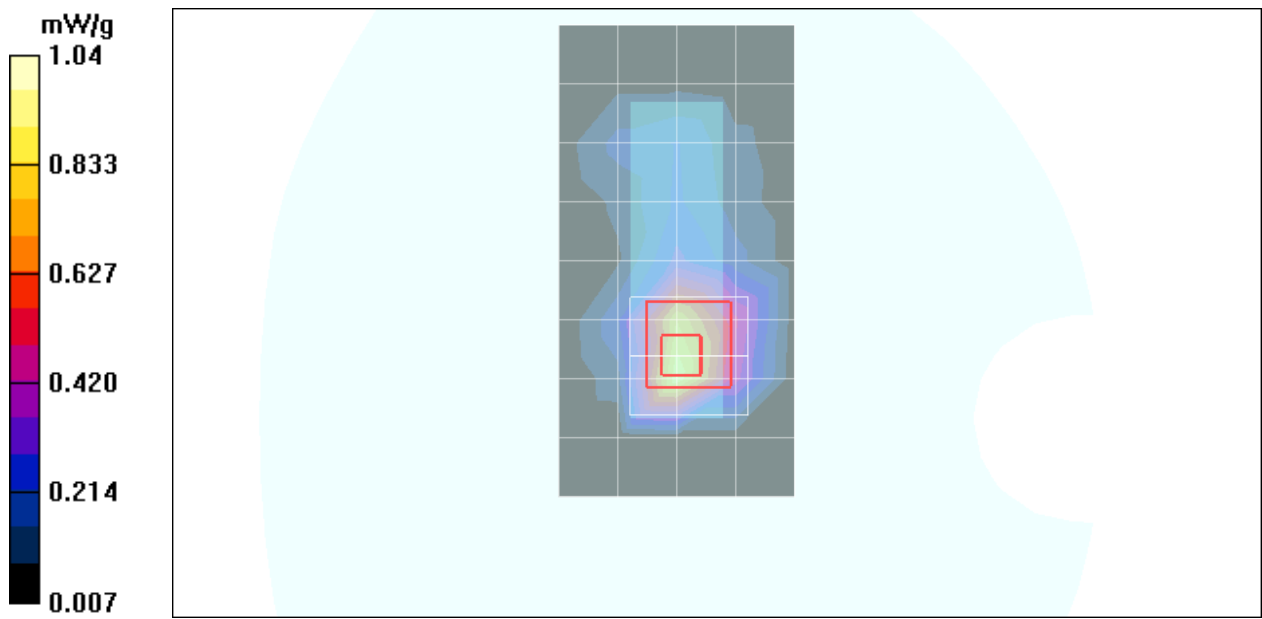
Peak SAR (extrapolated) = 1.75 W/kg

**SAR(1 g) = 0.732 mW/g; SAR(10 g) = 0.338 mW/g**

Maximum value of SAR (measured) = 1.04 mW/g

**Middle CH Rate 1M/Z Scan (1x1x11):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 1.06 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **80211b Horizontal Down 10mm mode WUB1900R enhanced energy coupling**

**DUT: WUB1900R; Type: 802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**10mm Middle CH Rate 1M/Area Scan (5x9x1):** Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.352 mW/g

**10mm Middle CH Rate 1M/Zoom Scan (7x7x9)/Cube 0:** Measurement

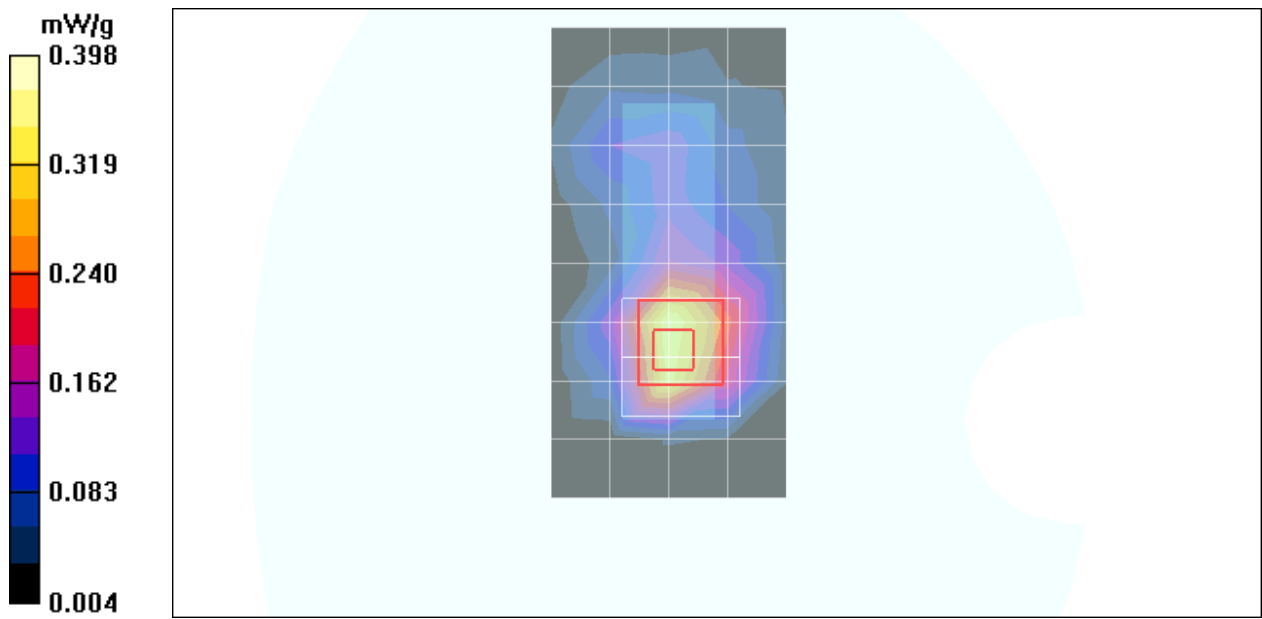
grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.04 V/m; Power Drift = -0.104 dB

Peak SAR (extrapolated) = 0.613 W/kg

**SAR(1 g) = 0.290 mW/g; SAR(10 g) = 0.144 mW/g**

Maximum value of SAR (measured) = 0.398 mW/g





Test Laboratory: Compliance Certification Services Inc.

## **80211g Horizontal Down 5mm mode WUB1900R**

**DUT: WUB1900R; Type: 802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Middle CH Rate 6M/Area Scan (5x9x1):** Measurement grid: dx=15mm, dy=15mm

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

**Middle CH Rate 6M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

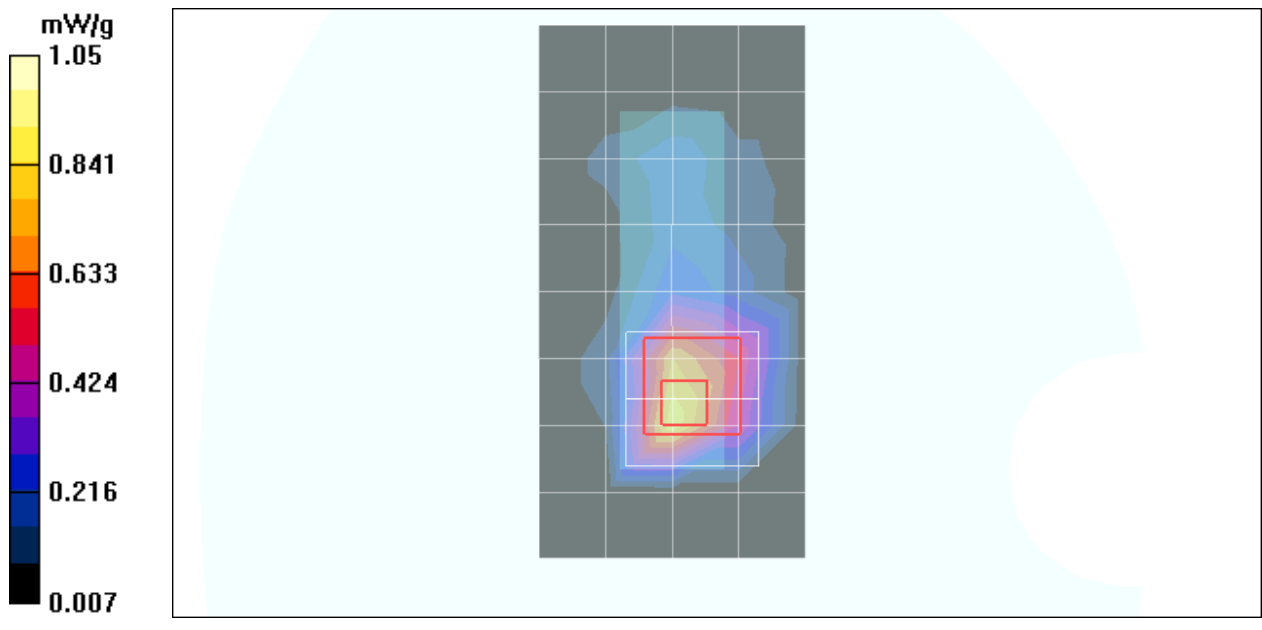
dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.76 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 1.81 W/kg

**SAR(1 g) = 0.716 mW/g; SAR(10 g) = 0.325 mW/g**

Maximum value of SAR (measured) = 1.05 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 80211g Horizontal Down 5mm mode WUB1900R HT20

**DUT: WUB1900R; Type: 802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Middle CH Rate 6.5M/Area Scan (5x9x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.820 mW/g

**Middle CH Rate 6.5M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

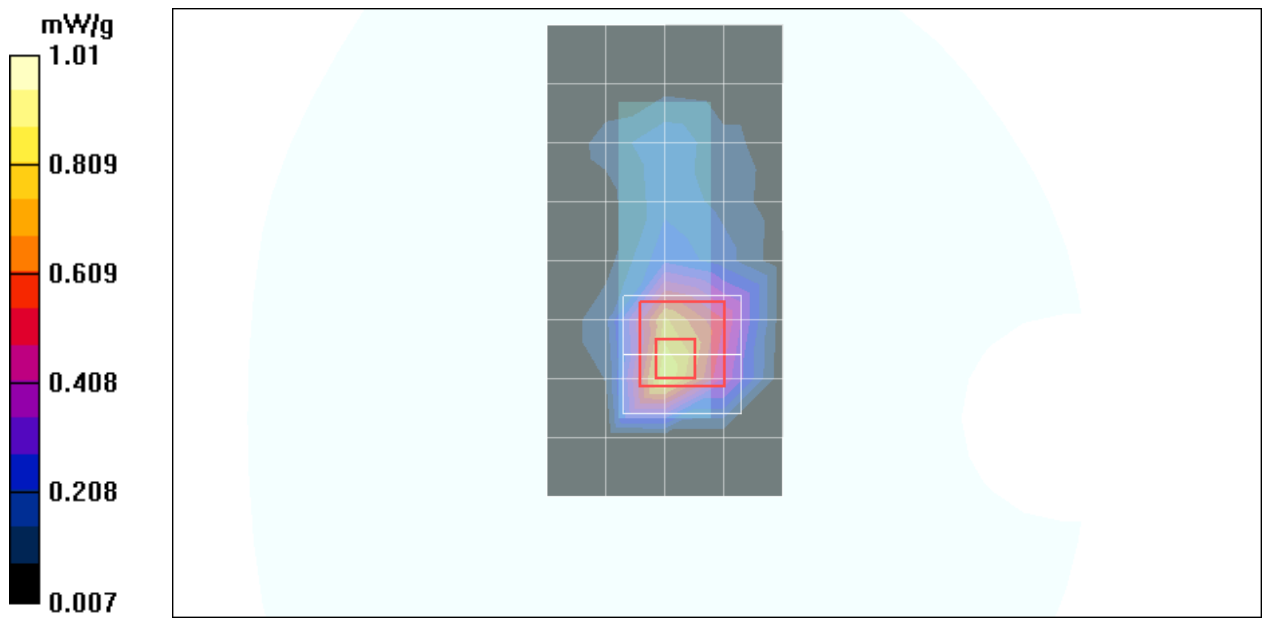
dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.47 V/m; Power Drift = -0.106 dB

Peak SAR (extrapolated) = 1.76 W/kg

**SAR(1 g) = 0.698 mW/g; SAR(10 g) = 0.317 mW/g**

Maximum value of SAR (measured) = 1.01 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **80211g Horizontal Down 5mm mode WUB1900R HT40**

**DUT: WUB1900R; Type: 802.11 b/g/n USB Dongle; Serial: N/A**

Communication System: IEEE 802.11g HT40 WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Middle CH Rate 13.5M/Area Scan (5x9x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.599 mW/g

**Middle CH Rate 13.5M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

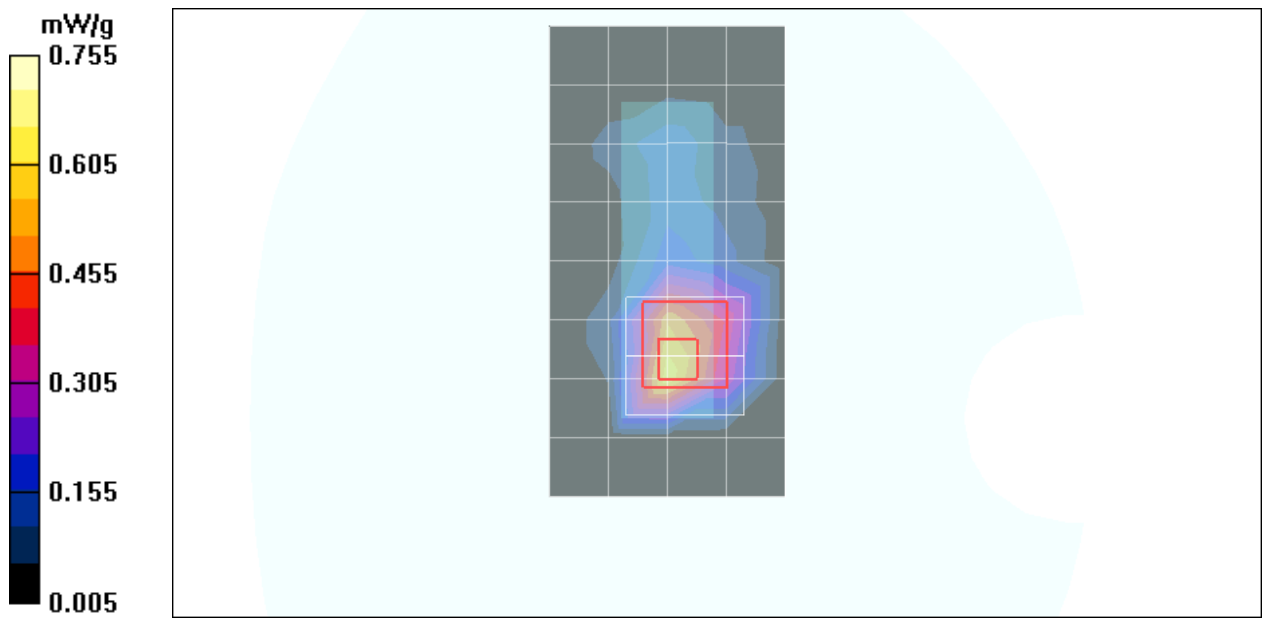
dx=5mm, dy=5mm, dz=3mm

Reference Value = 6.33 V/m; Power Drift = -0.048 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.517 mW/g; SAR(10 g) = 0.235 mW/g**

Maximum value of SAR (measured) = 0.755 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 80211b Vertical Left 5mm mode WUB1900R

**DUT: WUB1900R; Type: 802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Middle CH Rate 1M/Area Scan (4x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.541 mW/g

**Middle CH Rate 1M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

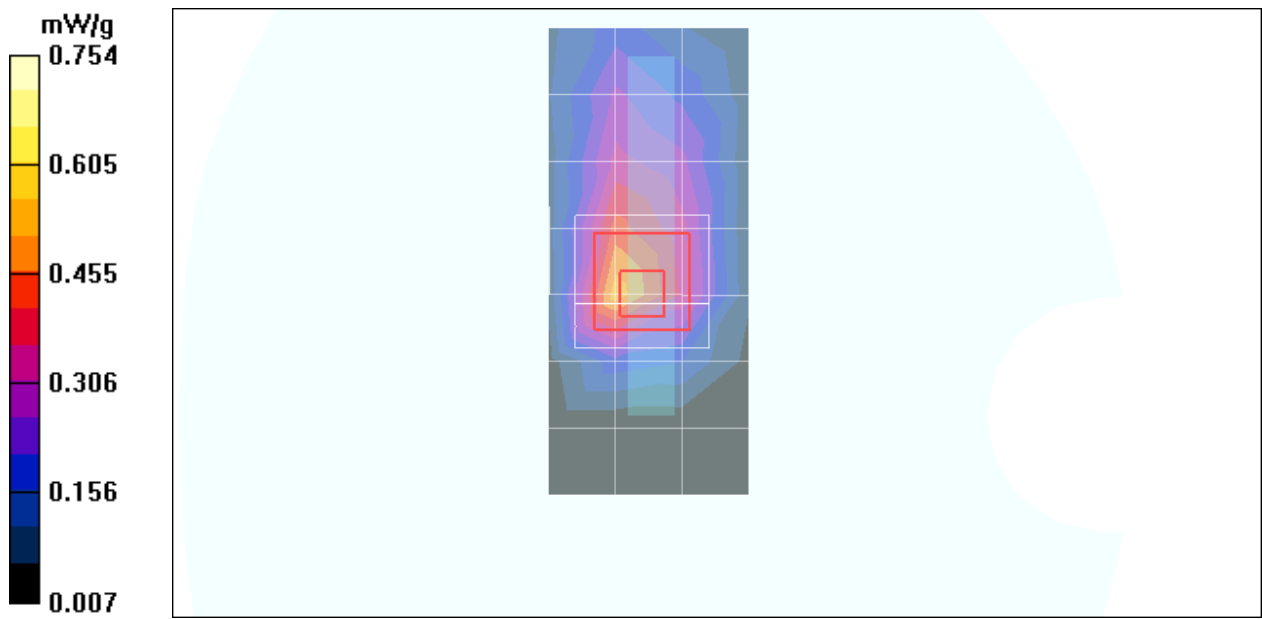
dx=5mm, dy=5mm, dz=3mm

Reference Value = 3.29 V/m; Power Drift = -0.074 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.529 mW/g; SAR(10 g) = 0.240 mW/g**

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





Test Laboratory: Compliance Certification Services Inc.

## **80211b Vertical Left 10mm mode WUB1900R enhanced energy coupling**

**DUT: WUB1900R; Type: 802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**10mm Middle CH Rate 1M/Area Scan (4x8x1):** Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.280 mW/g

**10mm Middle CH Rate 1M/Zoom Scan (7x7x9)/Cube 0:** Measurement

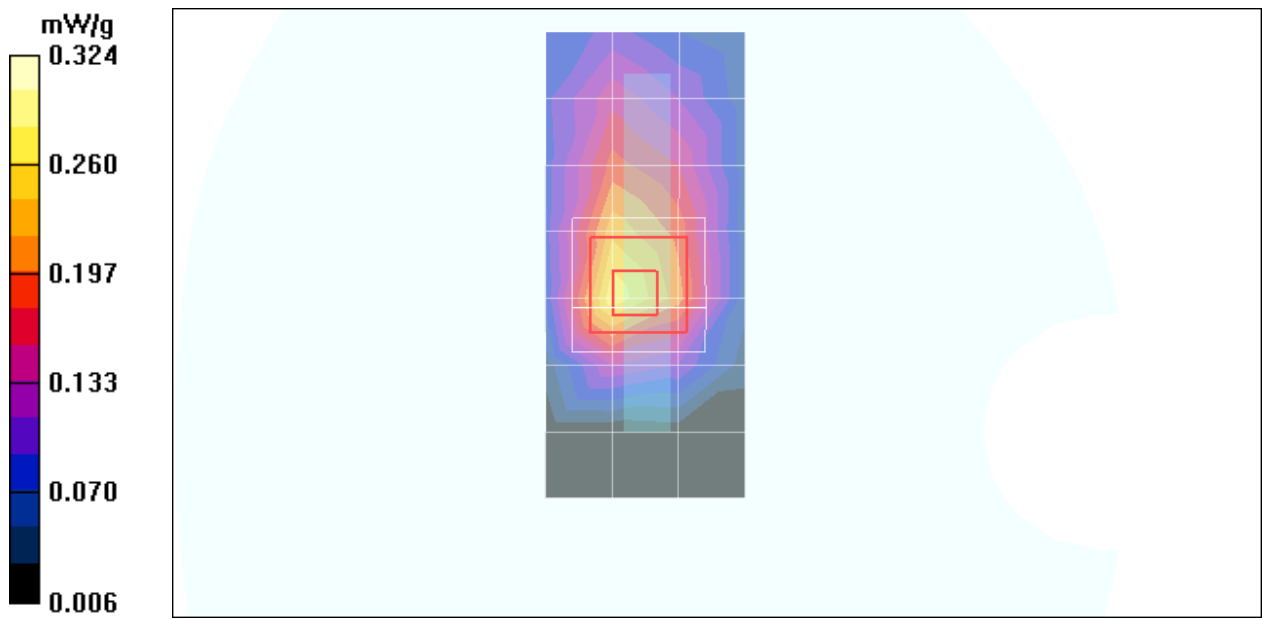
grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 2.65 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 0.468 W/kg

**SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.121 mW/g**

Maximum value of SAR (measured) = 0.324 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 80211g Vertical Left 5mm mode WUB1900R

**DUT: WUB1900R; Type: 802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Middle CH Rate 6M/Area Scan (4x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.395 mW/g

**Middle CH Rate 6M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

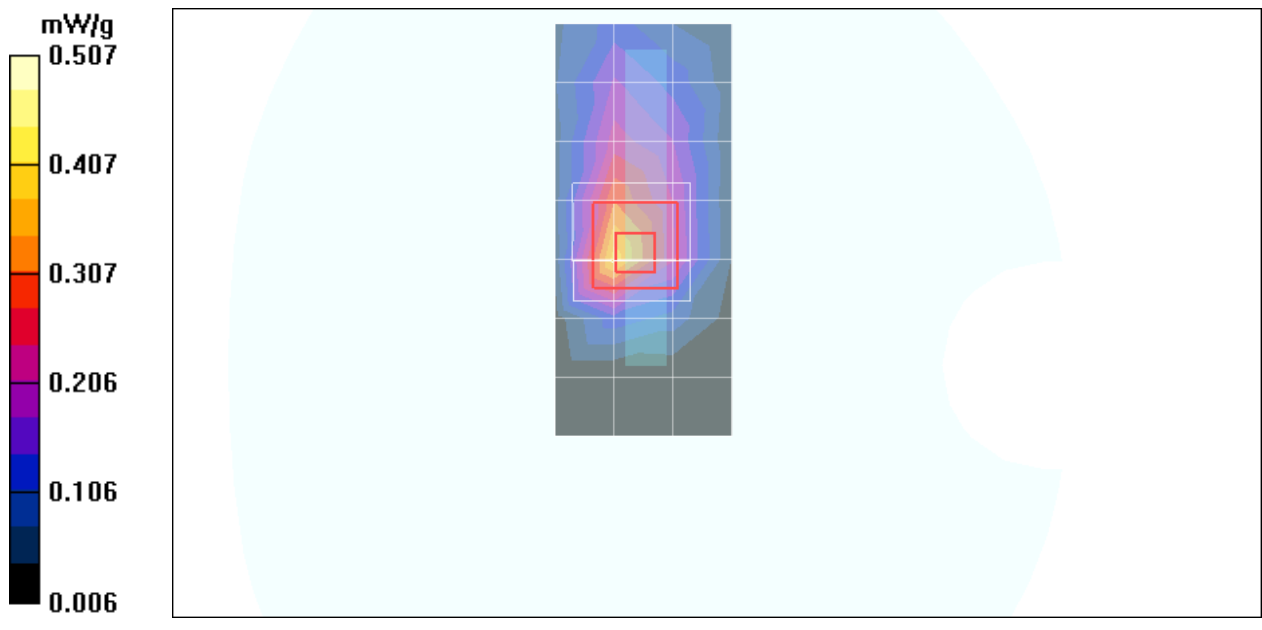
dx=5mm, dy=5mm, dz=3mm

Reference Value = 2.54 V/m; Power Drift = -0.084 dB

Peak SAR (extrapolated) = 0.738 W/kg

**SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.160 mW/g**

Maximum value of SAR (measured) = 0.507 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 80211g Vertical Left 5mm mode WUB1900R HT20

**DUT: WUB1900R; Type: 802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Middle CH Rate 6.5M/Area Scan (4x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.381 mW/g

**Middle CH Rate 6.5M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

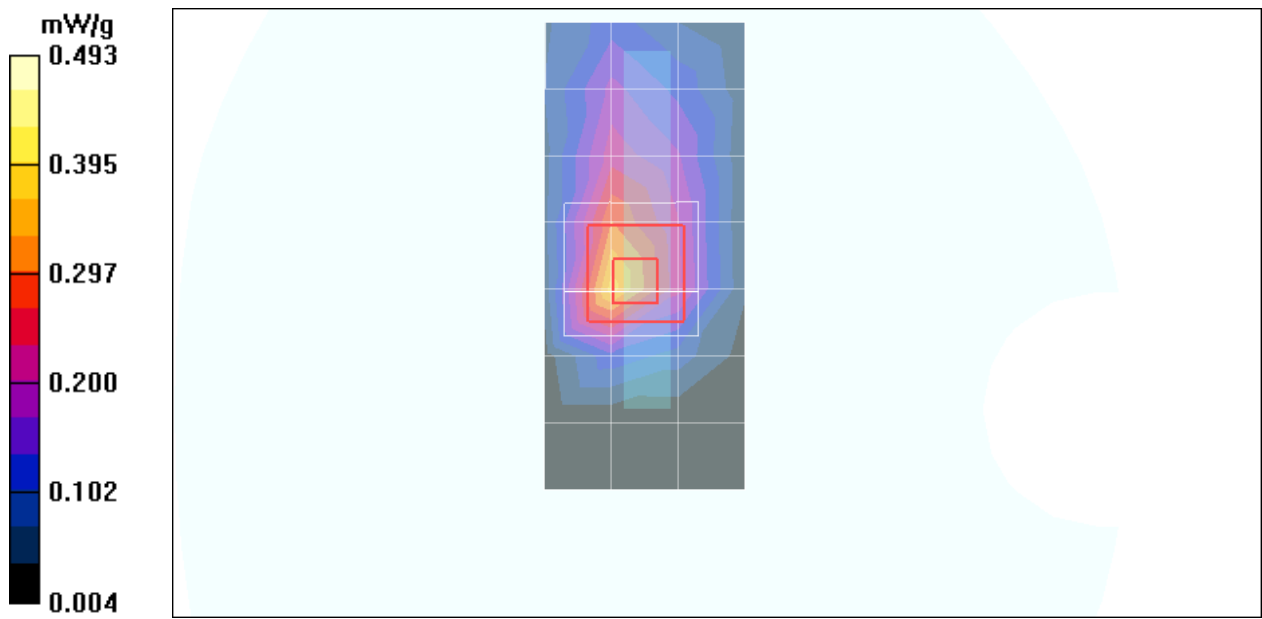
dx=5mm, dy=5mm, dz=3mm

Reference Value = 2.52 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 0.732 W/kg

**SAR(1 g) = 0.344 mW/g; SAR(10 g) = 0.155 mW/g**

Maximum value of SAR (measured) = 0.493 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **80211g Vertical Left 5mm mode WUB1900R HT40**

**DUT: WUB1900R; Type: 802.11 b/g/n USB Dongle; Serial: N/A**

Communication System: IEEE 802.11g HT40 WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Middle CH Rate 13.5M/Area Scan (4x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.369 mW/g

**Middle CH Rate 13.5M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

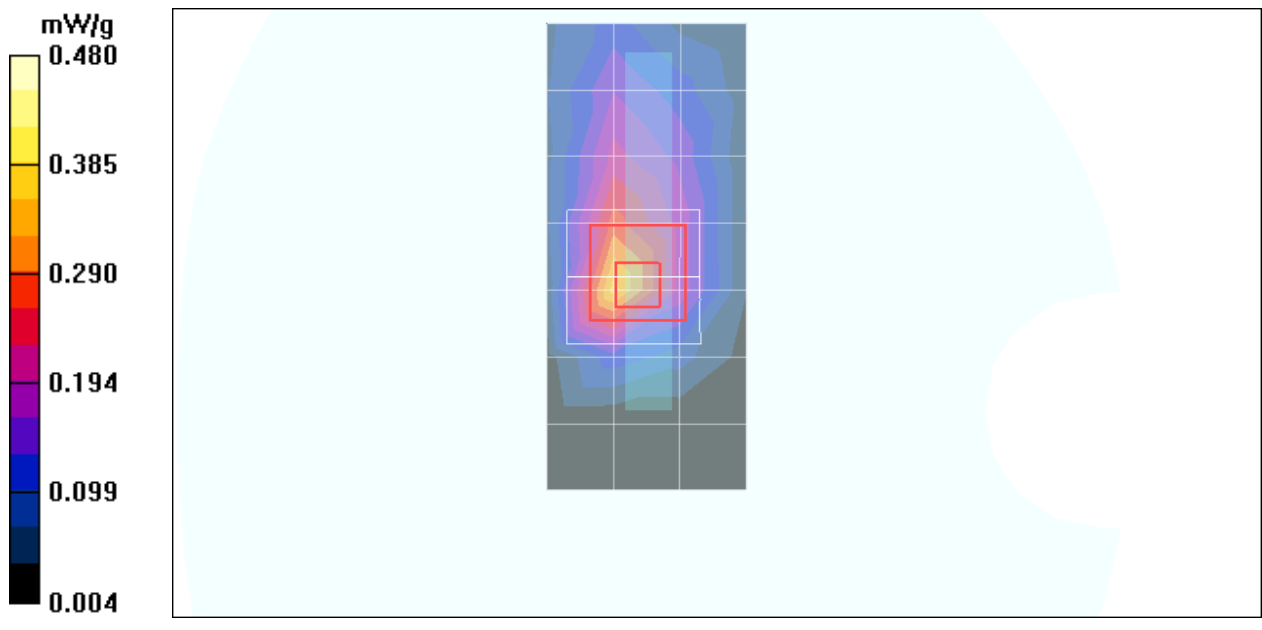
dx=5mm, dy=5mm, dz=3mm

Reference Value = 2.47 V/m; Power Drift = -0.143 dB

Peak SAR (extrapolated) = 0.718 W/kg

**SAR(1 g) = 0.335 mW/g; SAR(10 g) = 0.151 mW/g**

Maximum value of SAR (measured) = 0.480 mW/g





Test Laboratory: Compliance Certification Services Inc.

## **80211b Vertical Right 5mm mode WUB1900R**

**DUT: WUB1900R; Type: 802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Middle CH Rate 1M/Area Scan (4x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.182 mW/g

**Middle CH Rate 1M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

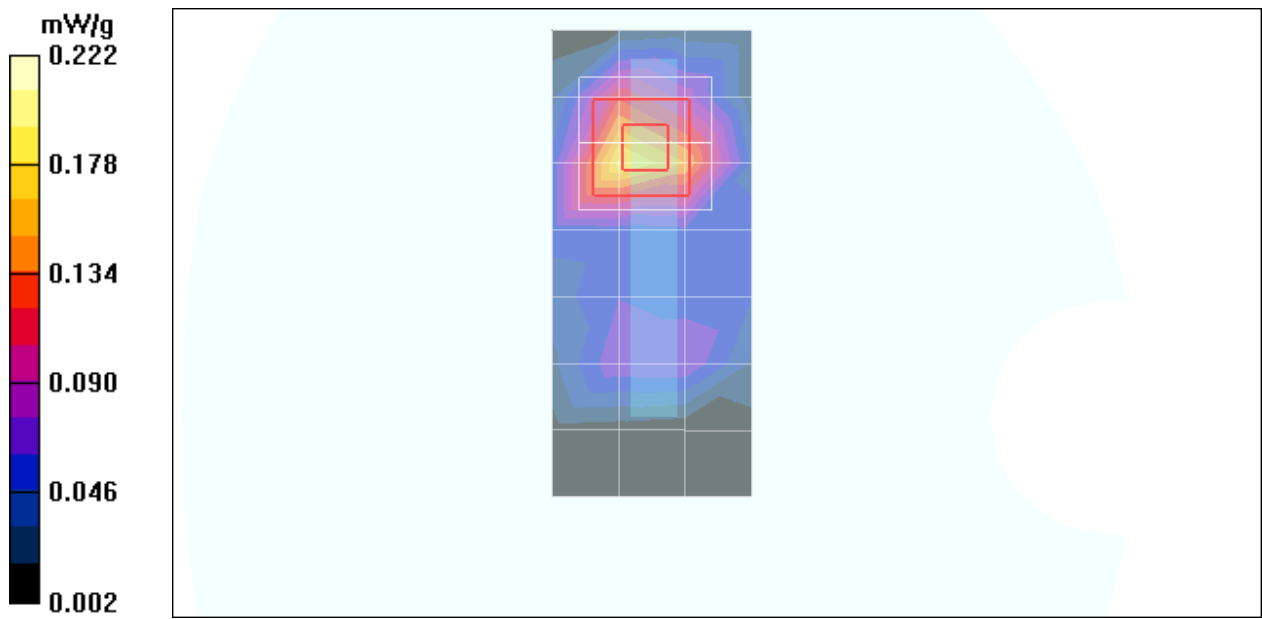
dx=5mm, dy=5mm, dz=3mm

Reference Value = 2.83 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.329 W/kg

**SAR(1 g) = 0.159 mW/g; SAR(10 g) = 0.074 mW/g**

Maximum value of SAR (measured) = 0.222 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **80211b Vertical Right 10mm mode WUB1900R enhanced energy coupling**

**DUT: WUB1900R; Type: 802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**10mm Middle CH Rate 1M/Area Scan (4x8x1):** Measurement grid:

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

Maximum value of SAR (measured) = 0.088 mW/g

**10mm Middle CH Rate 1M/Zoom Scan (7x7x9)/Cube 0:** Measurement

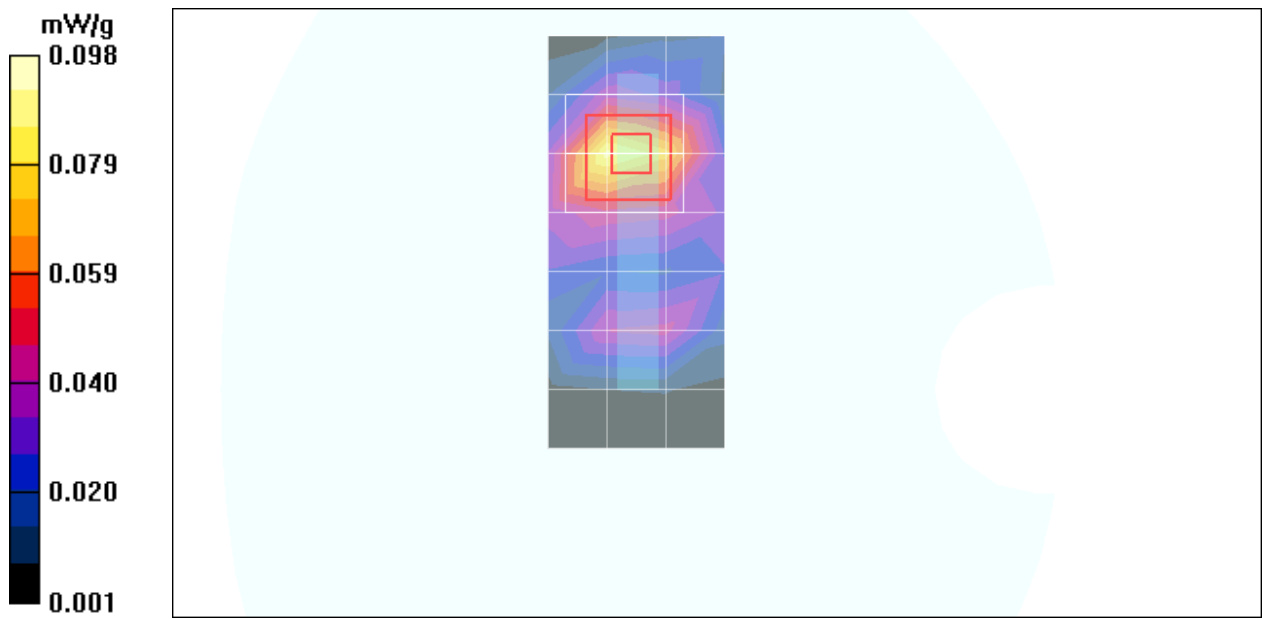
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 2.50 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.147 W/kg

**SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.035 mW/g**

Maximum value of SAR (measured) = 0.098 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 80211g Vertical Right 5mm mode WUB1900R

**DUT: WUB1900R; Type: 802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Middle CH Rate 6M/Area Scan (4x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.101 mW/g

**Middle CH Rate 6M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

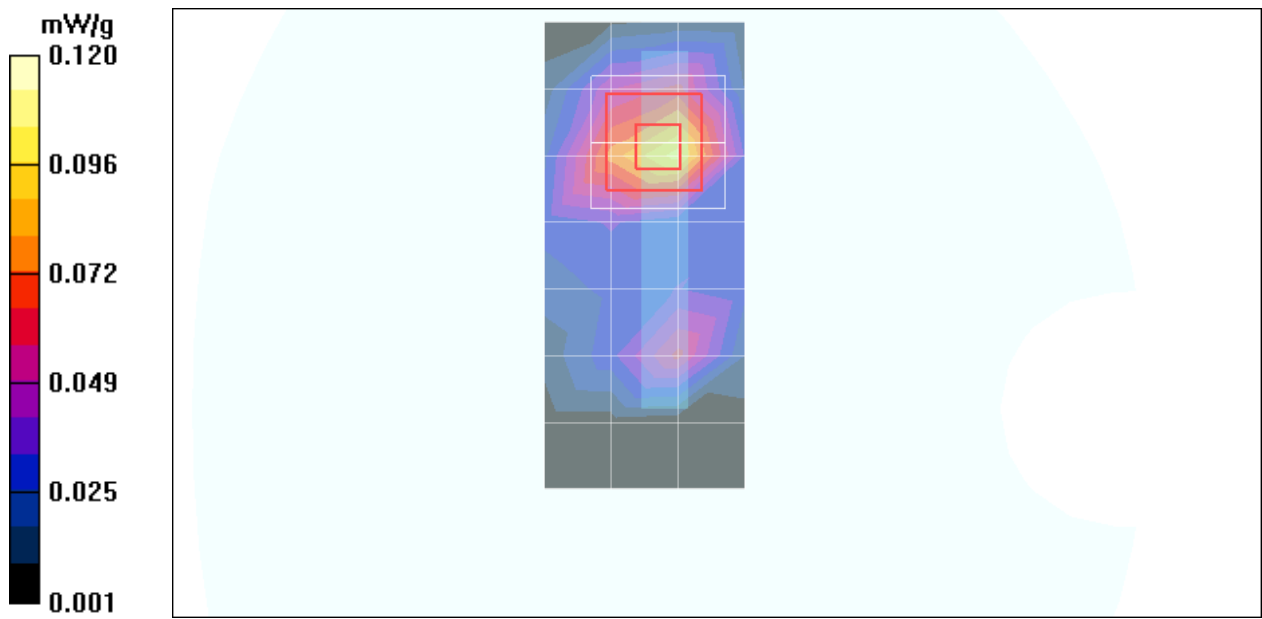
dx=5mm, dy=5mm, dz=3mm

Reference Value = 2.21 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 0.174 W/kg

**SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.040 mW/g**

Maximum value of SAR (measured) = 0.120 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 80211g Vertical Right 5mm mode WUB1900R HT20

**DUT: WUB1900R; Type: 802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Middle CH Rate 6.5M/Area Scan (4x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.091 mW/g

**Middle CH Rate 6.5M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

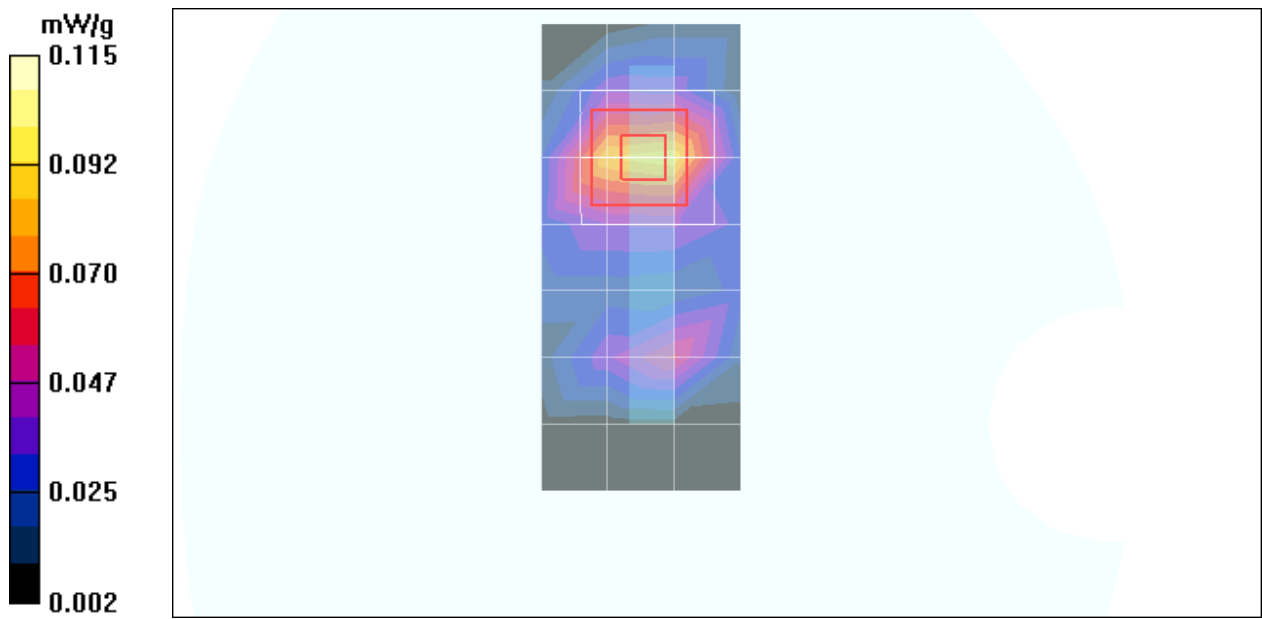
dx=5mm, dy=5mm, dz=3mm

Reference Value = 2.20 V/m; Power Drift = -0.105 dB

Peak SAR (extrapolated) = 0.169 W/kg

**SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.039 mW/g**

Maximum value of SAR (measured) = 0.115 mW/g





Test Laboratory: Compliance Certification Services Inc.

## **80211g Vertical Right 5mm mode WUB1900R HT40**

**DUT: WUB1900R; Type: 802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Middle CH Rate 13.5M/Area Scan (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.073 mW/g

**Middle CH Rate 13.5M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

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

Reference Value = 1.71 V/m; Power Drift = -0.108 dB

Peak SAR (extrapolated) = 0.114 W/kg

**SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.024 mW/g**

Maximum value of SAR (measured) = 0.073 mW/g

