

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;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

### **DASY4 Configuration:**

- Probe: EX3DV3 - SN3531; ConvF(7.88, 7.88, 7.88);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- 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) = 14.2 mW/g

**Pin=250mW,d=10mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 95.3 V/m; Power Drift = -0.055 dB

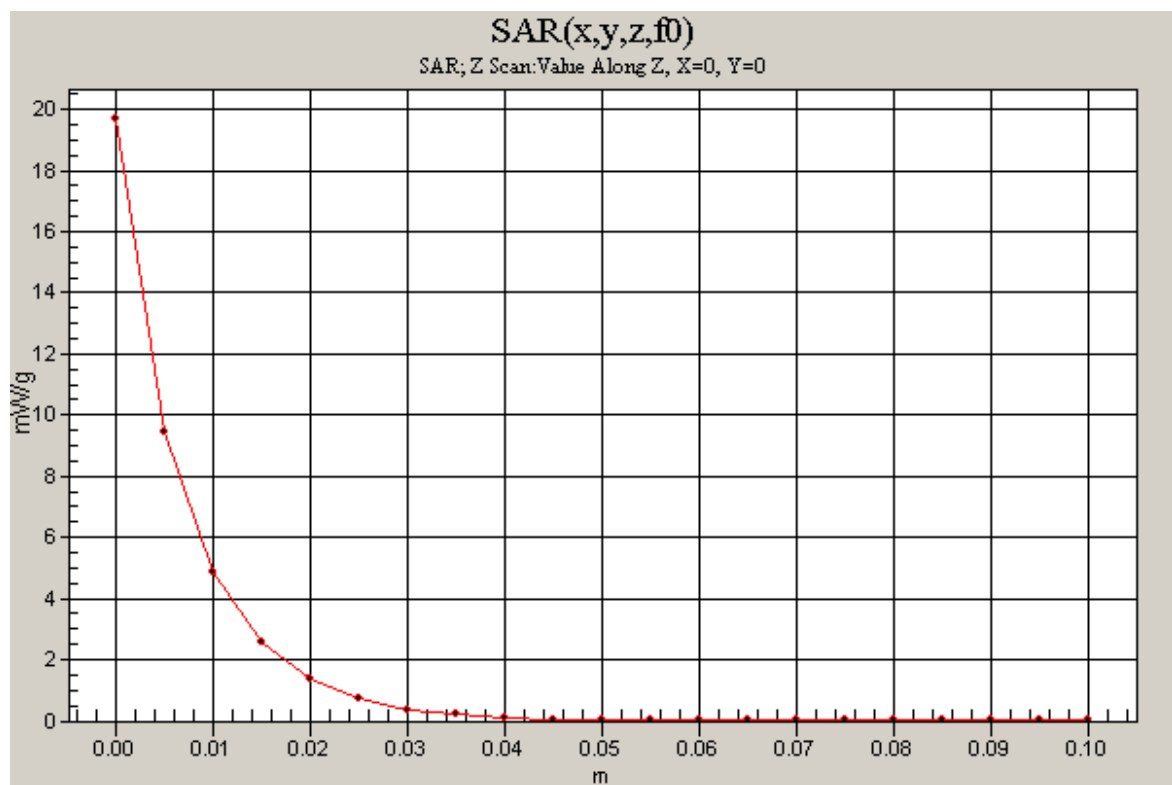
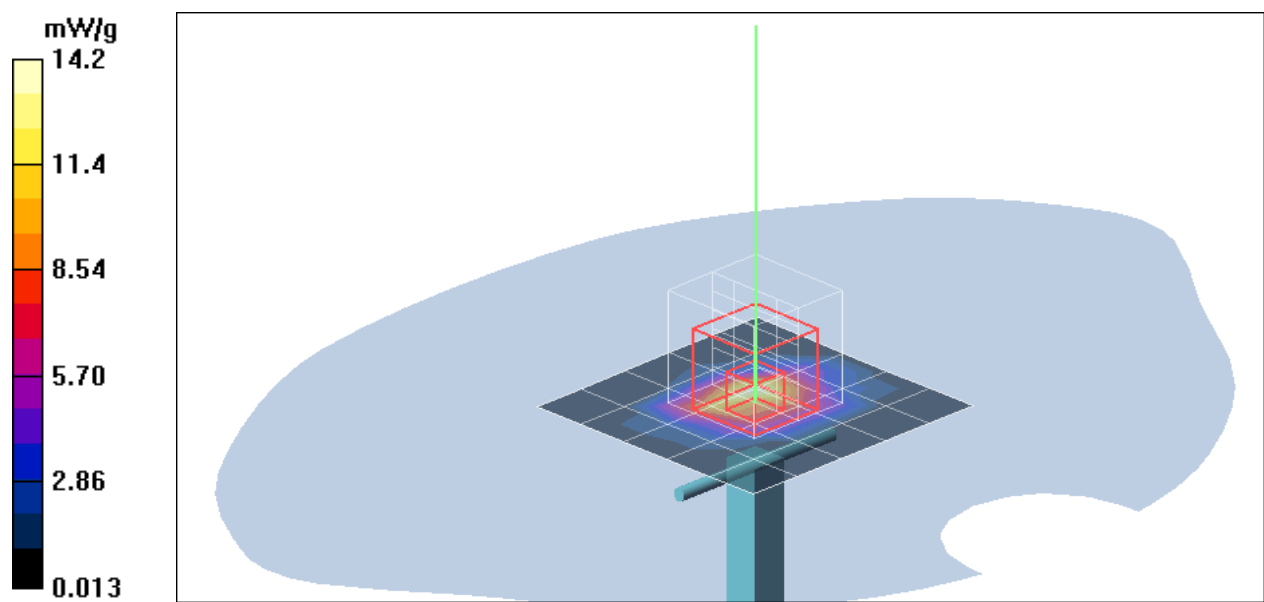
Peak SAR (extrapolated) = 28.4 W/kg

**SAR(1 g) = 13.6 mW/g; SAR(10 g) = 6.21 mW/g**

Maximum value of SAR (measured) = 19.3 mW/g

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

Maximum value of SAR (measured) = 19.7 mW/g



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## **802.11b Horizontal Bottom Flat Touched mode WUB1900**

**DUT: WUB1900; Type: IEEE802.11 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;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

### **DASY4 Configuration:**

- Probe: EX3DV3 - SN3531; ConvF(7.88, 7.88, 7.88);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- 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 (5x8x1):** Measurement grid: dx=15mm, dy=15mm

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

**Middle CH, Rate=1M/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

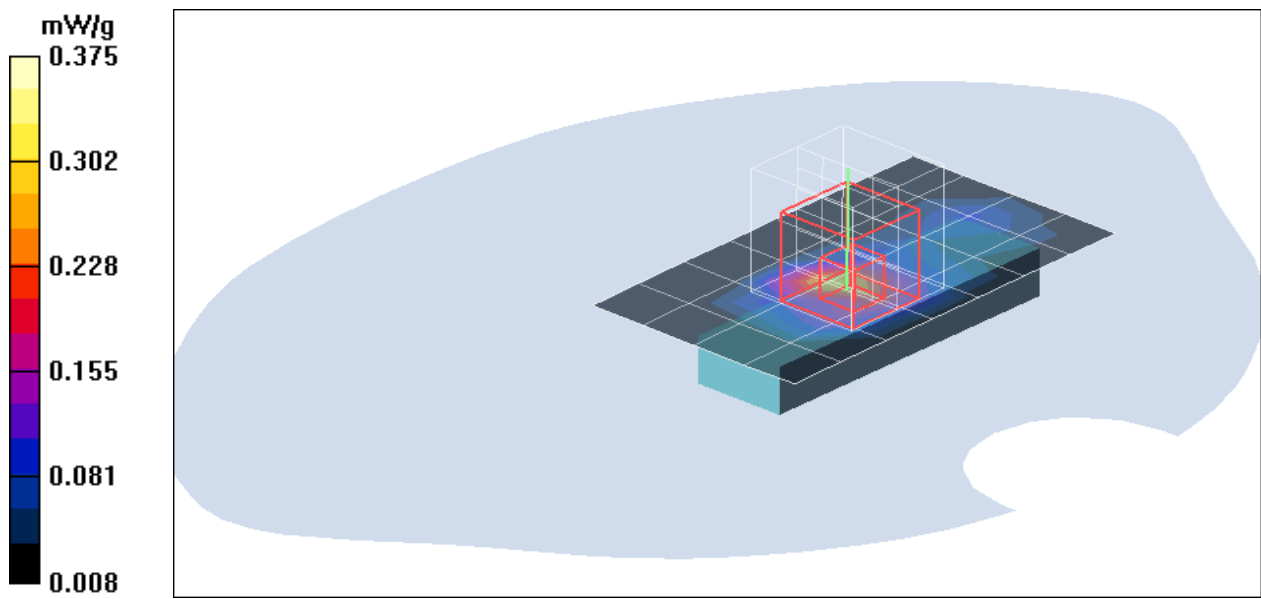
dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 2.92 V/m; Power Drift = -0.049 dB

Peak SAR (extrapolated) = 0.435 W/kg

**SAR(1 g) = 0.288 mW/g; SAR(10 g) = 0.144 mW/g**

Maximum value of SAR (measured) = 0.375 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **802.11g Horizontal Bottom Flat Touched mode WUB1900**

**DUT: WUB1900; Type: IEEE802.11 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;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

### **DASY4 Configuration:**

- Probe: EX3DV3 - SN3531; ConvF(7.88, 7.88, 7.88);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- 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) = 0.817 mW/g

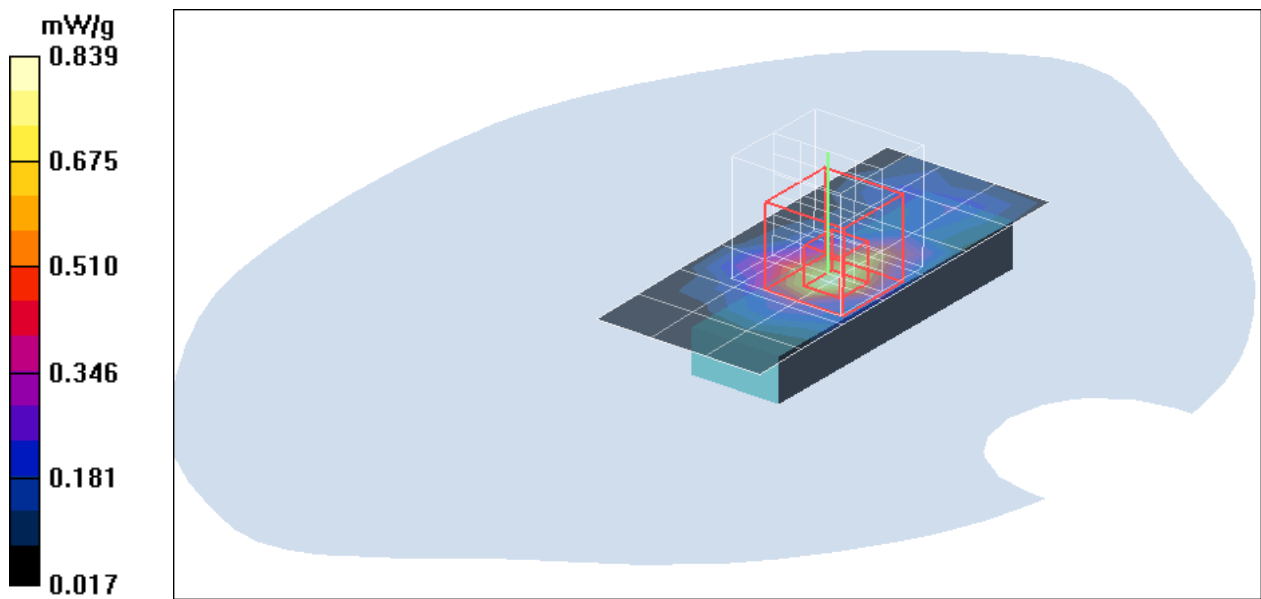
**Middle CH, Rate=6M/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.31 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 0.939 W/kg

**SAR(1 g) = 0.670 mW/g; SAR(10 g) = 0.362 mW/g**

Maximum value of SAR (measured) = 0.839 mW/g



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## **802.11n Horizontal Bottom Flat Touched mode WUB1900 HT20**

**DUT: WUB1900; Type: IEEE802.11 b/g/n USB Dongle; Serial: N/A**

Communication System: IEEE 802.11n WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.93 \text{ mho/m}$ ;  $\epsilon_r = 51.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

### **DASY4 Configuration:**

- Probe: EX3DV3 - SN3531; ConvF(7.88, 7.88, 7.88);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Low CH, Rate=6.5M/Area Scan (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.28 mW/g

**Low CH, Rate=6.5M/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

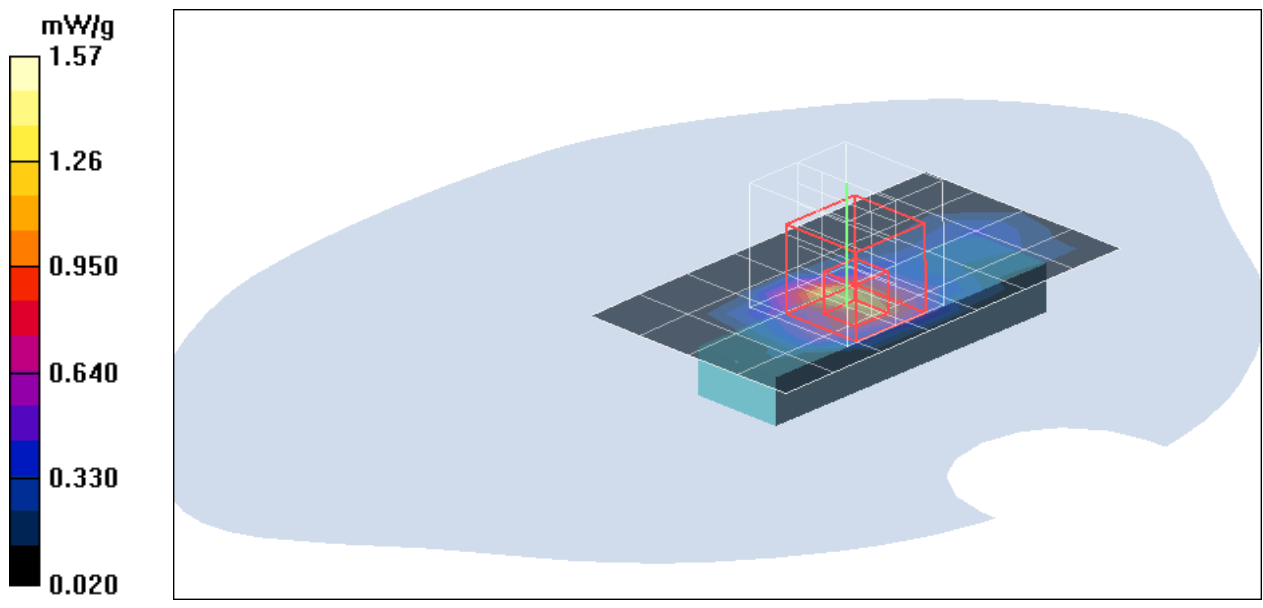
dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 6.39 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 1.99 W/kg

**SAR(1 g) = 1.290 mW/g; SAR(10 g) = 0.668 mW/g**

Maximum value of SAR (measured) = 1.57 mW/g



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## **802.11n Horizontal Bottom Flat Touched mode WUB1900 HT20**

**DUT: WUB1900; Type: IEEE802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

### **DASY4 Configuration:**

- Probe: EX3DV3 - SN3531; ConvF(7.88, 7.88, 7.88);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- 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 (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.38 mW/g

**Middle CH, Rate=6.5M/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 6.31 V/m; Power Drift = -0.094 dB

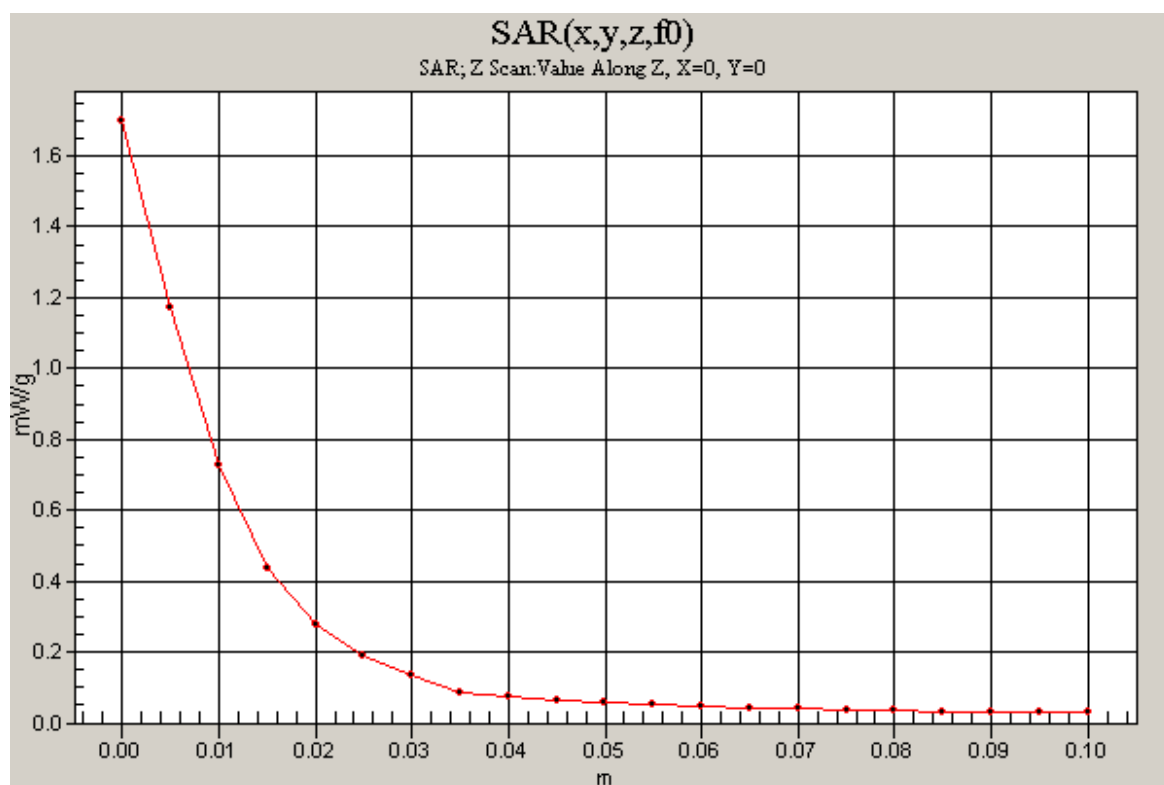
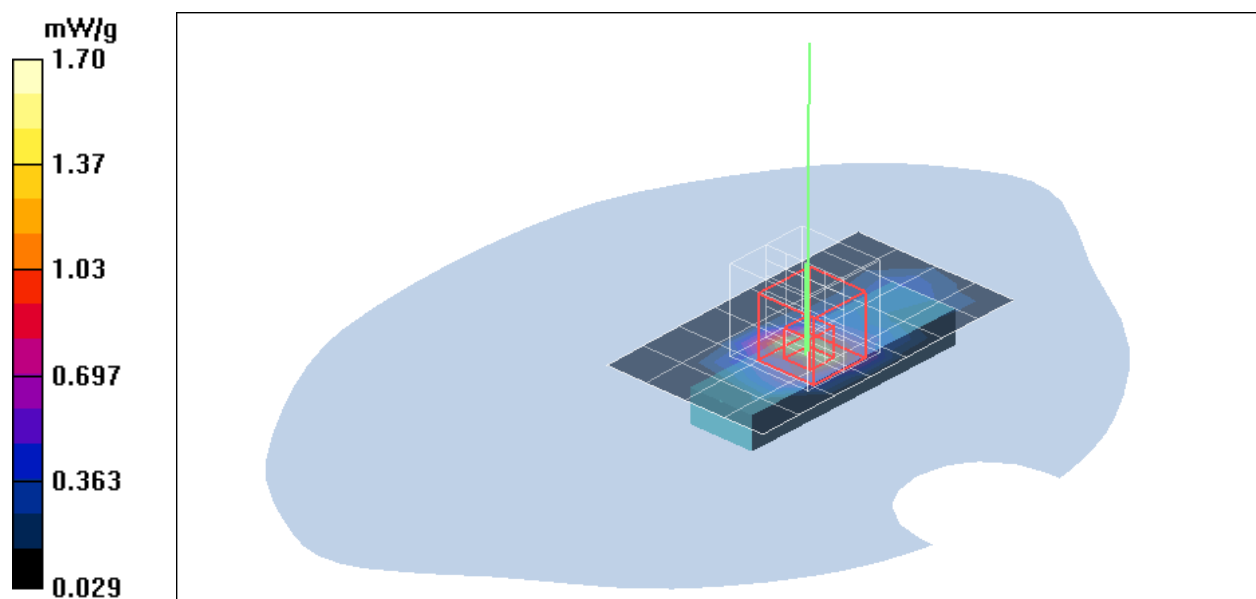
Peak SAR (extrapolated) = 2.19 W/kg

**SAR(1 g) = 1.440 mW/g; SAR(10 g) = 0.691 mW/g**

Maximum value of SAR (measured) = 1.84 mW/g

**High CH, Rate=6.5M/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 1.70 mW/g



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## **802.11n Horizontal Bottom Flat Touched mode WUB1900 HT20**

**DUT: WUB1900; Type: IEEE802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.99 \text{ mho/m}$ ;  $\epsilon_r = 51.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

### **DASY4 Configuration:**

- Probe: EX3DV3 - SN3531; ConvF(7.88, 7.88, 7.88);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**High CH, Rate=6.5M/Area Scan (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.37 mW/g

**High CH, Rate=6.5M/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

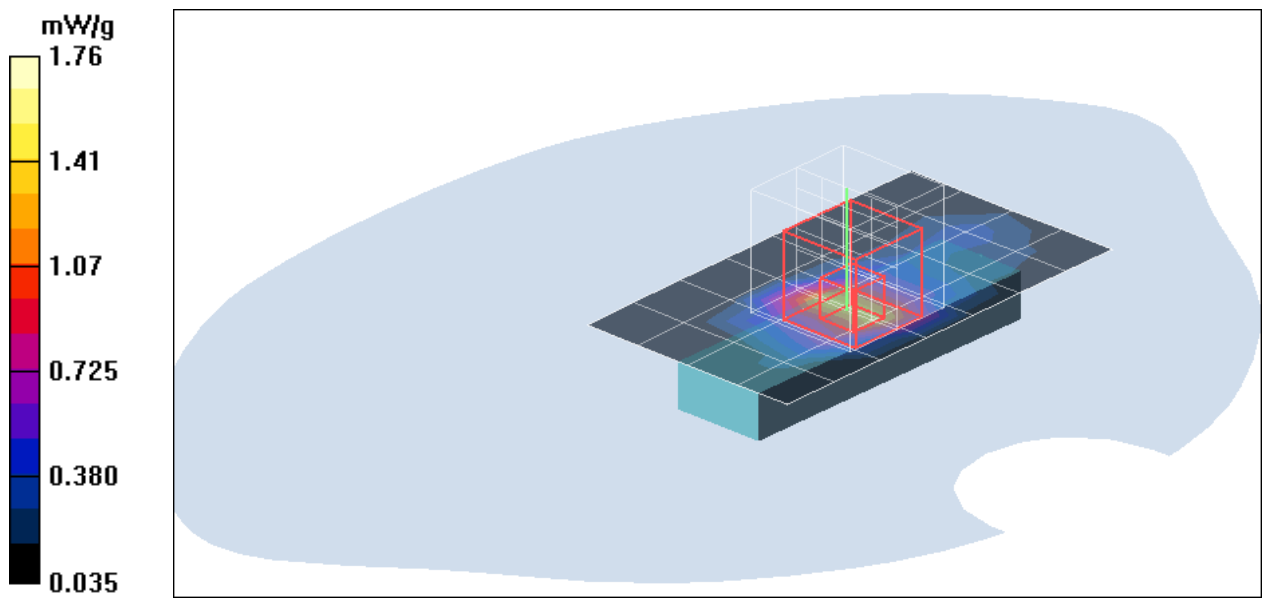
dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 6.19 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 2.00 W/kg

**SAR(1 g) = 1.400 mW/g; SAR(10 g) = 0.727 mW/g**

Maximum value of SAR (measured) = 1.76 mW/g



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## **802.11n Horizontal Bottom Flat Touched mode WUB1900 HT40**

**DUT: WUB1900; Type: IEEE802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

### **DASY4 Configuration:**

- Probe: EX3DV3 - SN3531; ConvF(7.88, 7.88, 7.88);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- 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) = 0.461 mW/g

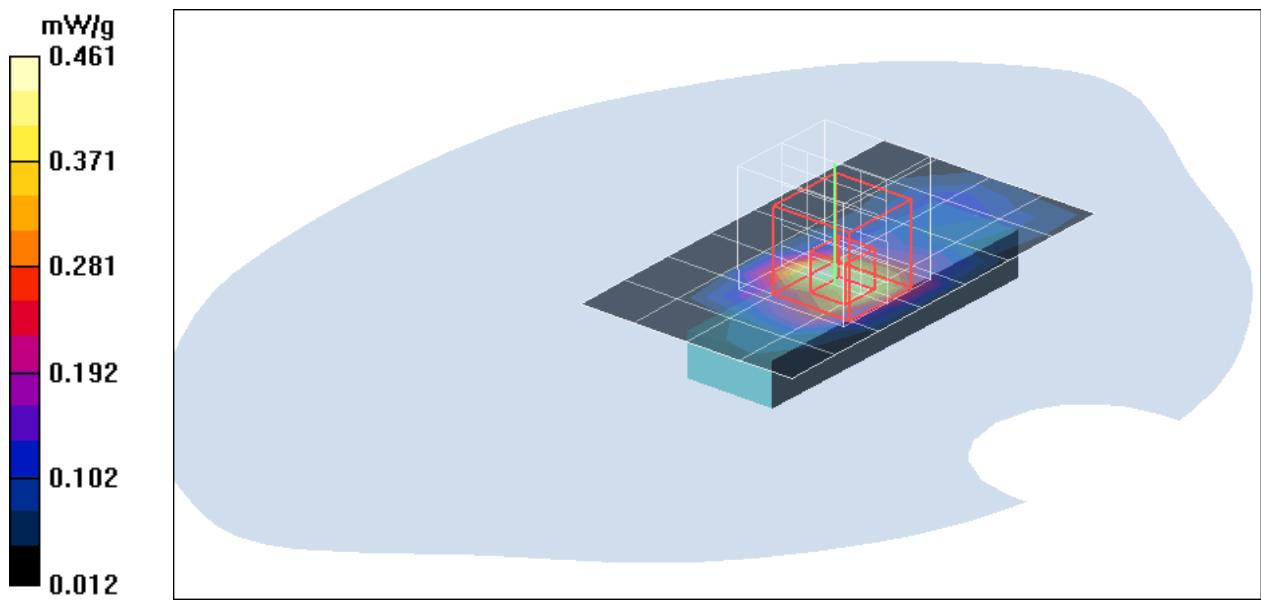
**Middle CH, Rate=13.5M/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.41 V/m; Power Drift = -0.099 dB

Peak SAR (extrapolated) = 0.565 W/kg

**SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.218 mW/g**

Maximum value of SAR (measured) = 0.490 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 802.11b Vertical Edge Touched mode WUB1900

**DUT: WUB1900; Type: IEEE802.11 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;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

### DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(7.88, 7.88, 7.88);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- 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 (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.342 mW/g

**Middle CH, Rate=1M/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

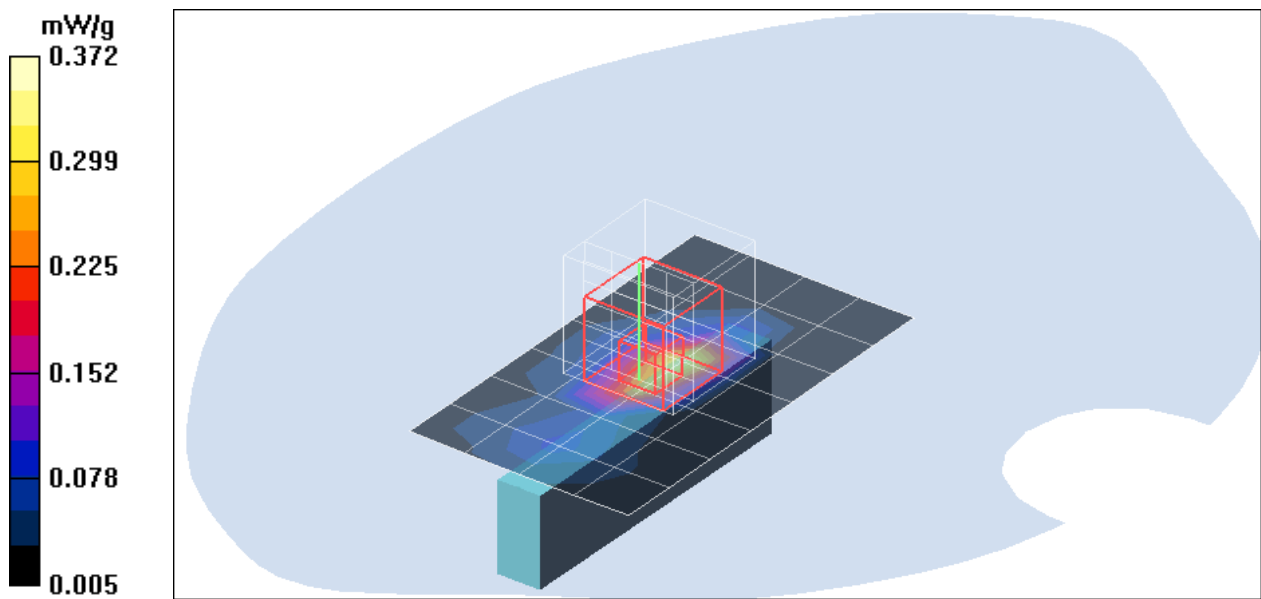
dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 2.58 V/m; Power Drift = -0.086 dB

Peak SAR (extrapolated) = 0.478 W/kg

**SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.128 mW/g**

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



Test Laboratory: Compliance Certification Services Inc.

## 802.11g Vertical Edge Touched mode WUB1900

**DUT: WUB1900; Type: IEEE802.11 b/g/n USB Dongle; Serial: N/A**

Communication System: IEEE 802.11g WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

### DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(7.88, 7.88, 7.88);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Low CH, Rate=6M/Area Scan (5x8x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 1.34 mW/g

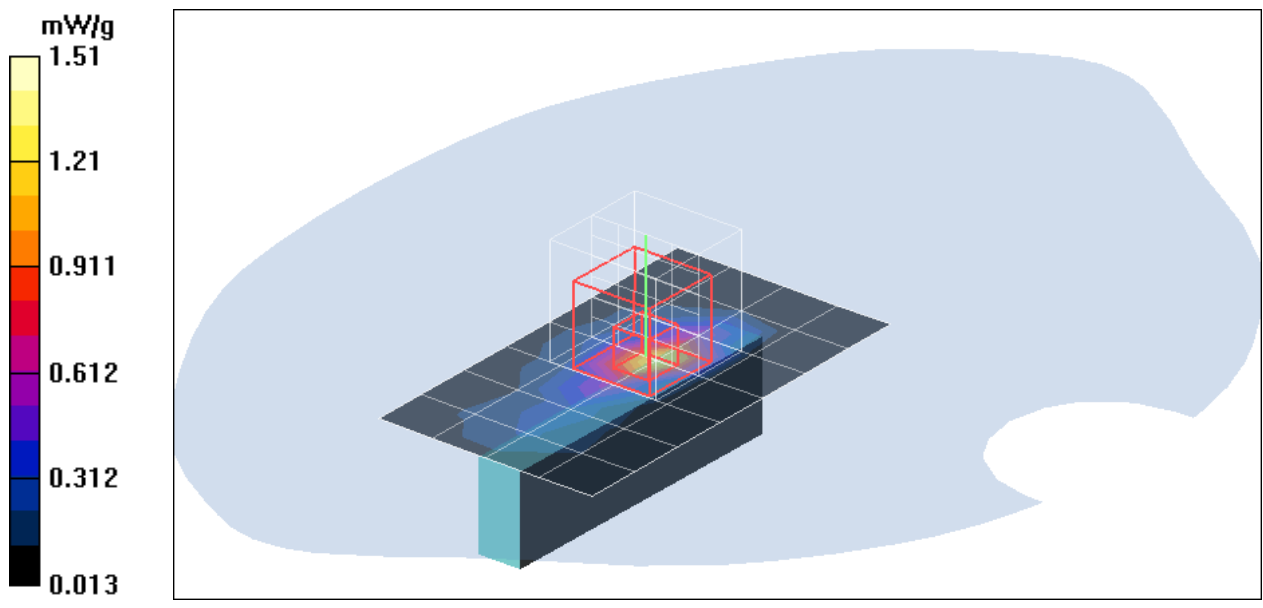
**Low CH, Rate=6M/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.41 V/m; Power Drift = -0.144 dB

Peak SAR (extrapolated) = 1.83 W/kg

**SAR(1 g) = 1.030 mW/g; SAR(10 g) = 0.452 mW/g**

Maximum value of SAR (measured) = 1.51 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 802.11g Vertical Edge Touched mode WUB1900

**DUT: WUB1900; Type: IEEE802.11 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;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

### DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(7.88, 7.88, 7.88);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- 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 (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.22 mW/g

**Middle CH, Rate=6M/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

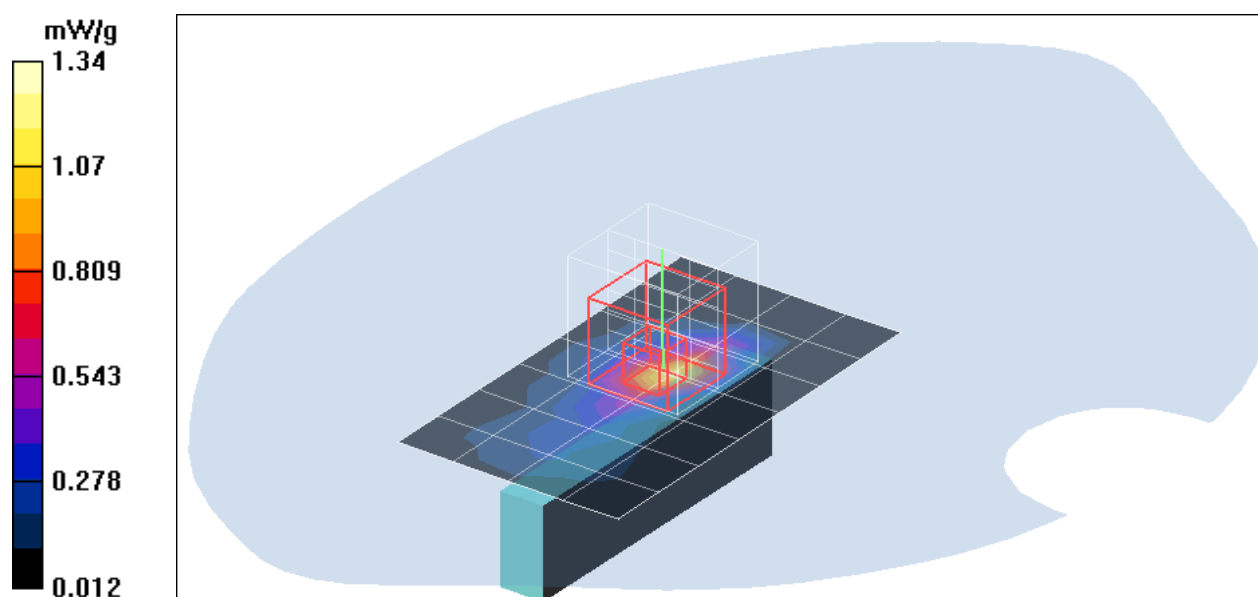
dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.16 V/m; Power Drift = -0.083 dB

Peak SAR (extrapolated) = 1.67 W/kg

**SAR(1 g) = 0.984 mW/g; SAR(10 g) = 0.435 mW/g**

Maximum value of SAR (measured) = 1.34 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 802.11g Vertical Edge Touched mode WUB1900

**DUT: WUB1900; Type: IEEE802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.99 \text{ mho/m}$ ;  $\epsilon_r = 51.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

### DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(7.88, 7.88, 7.88);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**High CH, Rate=6M/Area Scan (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.00 mW/g

**High CH, Rate=6M/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

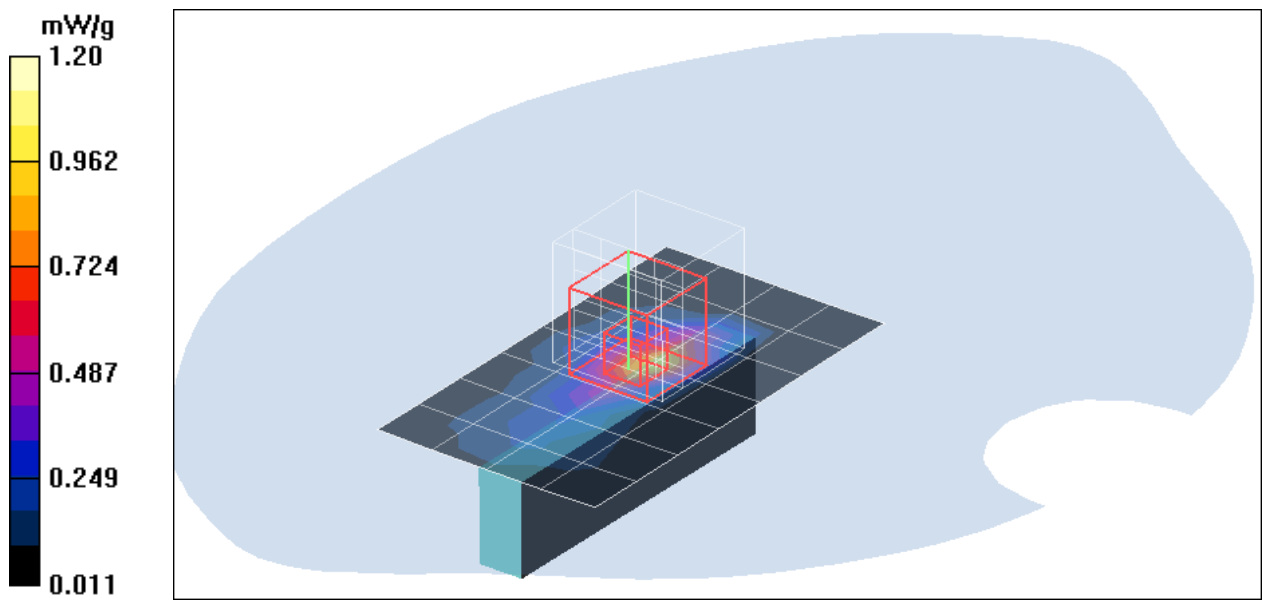
dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.38 V/m; Power Drift = -0.061 dB

Peak SAR (extrapolated) = 1.41 W/kg

**SAR(1 g) = 0.826 mW/g; SAR(10 g) = 0.370 mW/g**

Maximum value of SAR (measured) = 1.20 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **802.11n Vertical Edge Touched mode WUB1900 HT20**

**DUT: WUB1900; Type: IEEE802.11 b/g/n USB Dongle; Serial: N/A**

Communication System: IEEE 802.11n WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.93 \text{ mho/m}$ ;  $\epsilon_r = 51.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

### **DASY4 Configuration:**

- Probe: EX3DV3 - SN3531; ConvF(7.88, 7.88, 7.88);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Low CH, Rate=6.5M/Area Scan (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.85 mW/g

**Low CH, Rate=6.5M/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

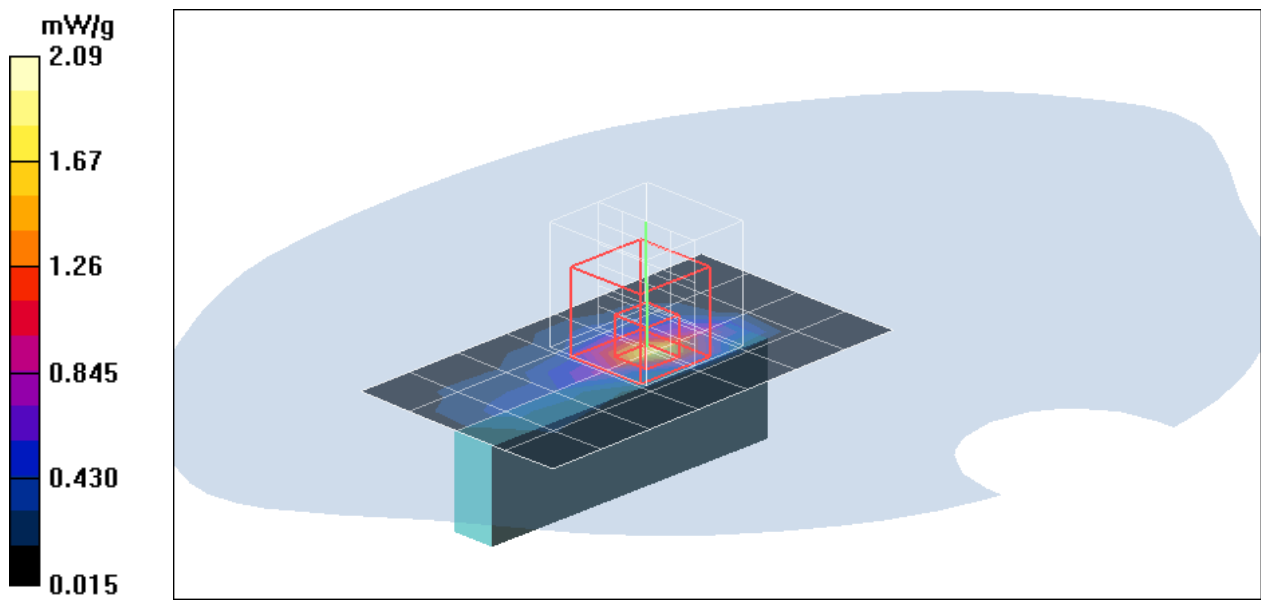
dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.29 V/m; Power Drift = -0.141 dB

Peak SAR (extrapolated) = 2.54 W/kg

**SAR(1 g) = 1.430 mW/g; SAR(10 g) = 0.627 mW/g**

Maximum value of SAR (measured) = 2.09 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **802.11n Vertical Edge Touched mode WUB1900 HT20**

**DUT: WUB1900; Type: IEEE802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

### **DASY4 Configuration:**

- Probe: EX3DV3 - SN3531; ConvF(7.88, 7.88, 7.88);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- 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 (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.57 mW/g

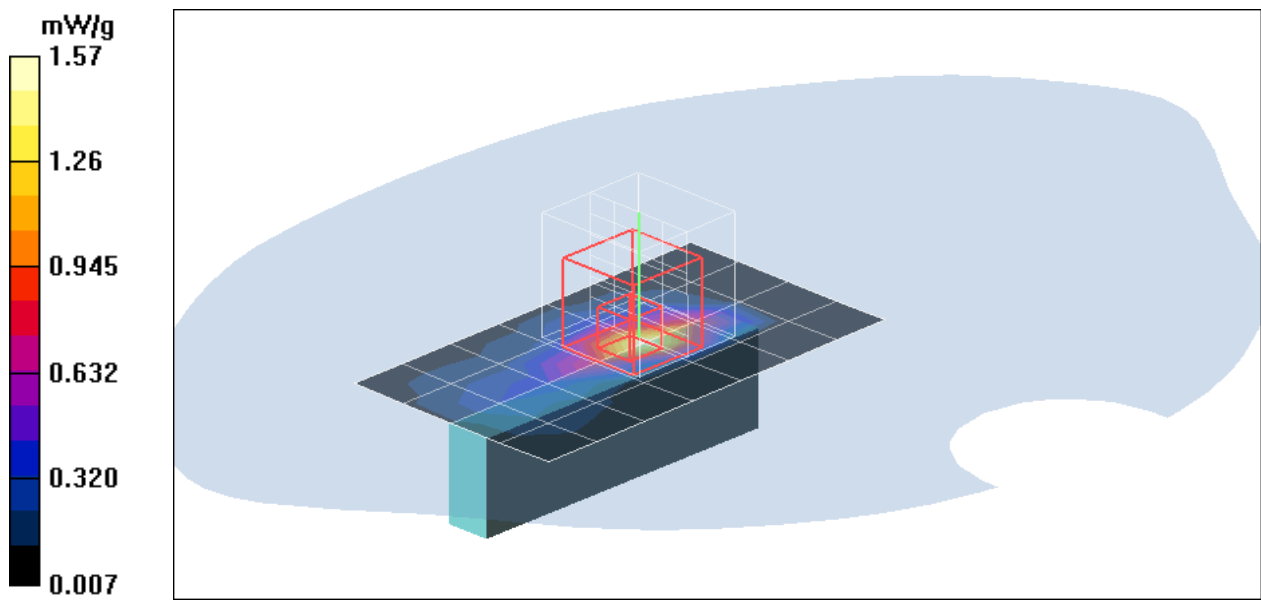
**Middle CH, Rate=6.5M/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.93 V/m; Power Drift = -0.144 dB

Peak SAR (extrapolated) = 2.47 W/kg

**SAR(1 g) = 1.370 mW/g; SAR(10 g) = 0.590 mW/g**

Maximum value of SAR (measured) = 1.96 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **802.11n Vertical Edge Touched mode WUB1900 HT20**

**DUT: WUB1900; Type: IEEE802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.99 \text{ mho/m}$ ;  $\epsilon_r = 51.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

### **DASY4 Configuration:**

- Probe: EX3DV3 - SN3531; ConvF(7.88, 7.88, 7.88);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**High CH, Rate=6.5M/Area Scan (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.89 mW/g

**High CH, Rate=6.5M/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

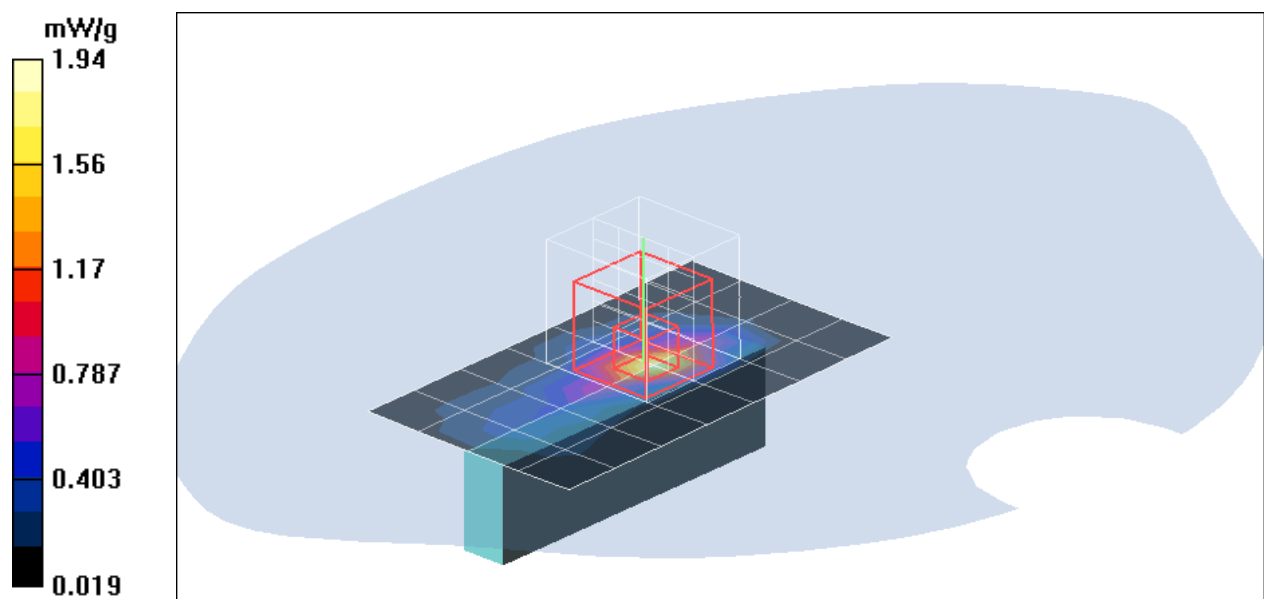
dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.66 V/m; Power Drift = -0.144 dB

Peak SAR (extrapolated) = 2.45 W/kg

**SAR(1 g) = 1.410 mW/g; SAR(10 g) = 0.638 mW/g**

Maximum value of SAR (measured) = 1.94 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **802.11n Vertical Edge Touched mode WUB1900 HT40**

**DUT: WUB1900; Type: IEEE802.11 b/g/n USB Dongle; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

### **DASY4 Configuration:**

- Probe: EX3DV3 - SN3531; ConvF(7.88, 7.88, 7.88);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- 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) = 0.525 mW/g

**Middle CH, Rate=13.5M/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 3.24 V/m; Power Drift = -0.124 dB

Peak SAR (extrapolated) = 0.750 W/kg

**SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.183 mW/g**

Maximum value of SAR (measured) = 0.582 mW/g

