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Test Laboratory: Compliance Certification Services Inc.

July 10, 2012

**IEEE802.11b Body(Horizontal Up)Low CH1**

**DUT: 150Mbps Wireless USB adapter; Type: WUA-0614; Serial: N/A**

Communication System: 802.11b; Communication System Band: B ; Frequency: 2412 MHz;

Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.954$  mho/m;  $\epsilon_r = 52.698$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.06, 7.06, 7.06); Calibrated: 1/20/2012;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.1(838); SEMCAD X 14.6.5(6469)

**IEEE802.11b/IEEE802.11b Body (Horizontal Up) Low CH1/Area Scan (31x101x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.479 mW/g

**IEEE802.11b/IEEE802.11b Body (Horizontal Up) Low CH1/Zoom Scan (7x7x7)/Cube 0:**

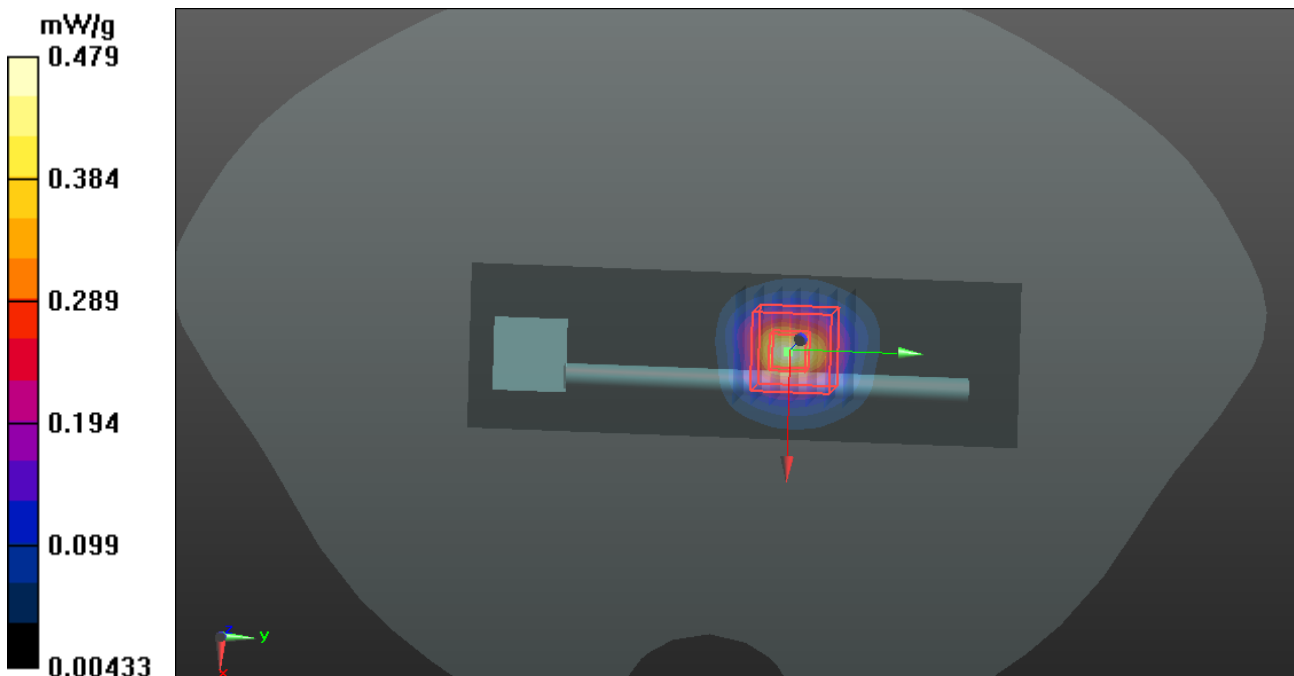
Measurement grid: dx=5mm, dy=5mm, dz=5mm

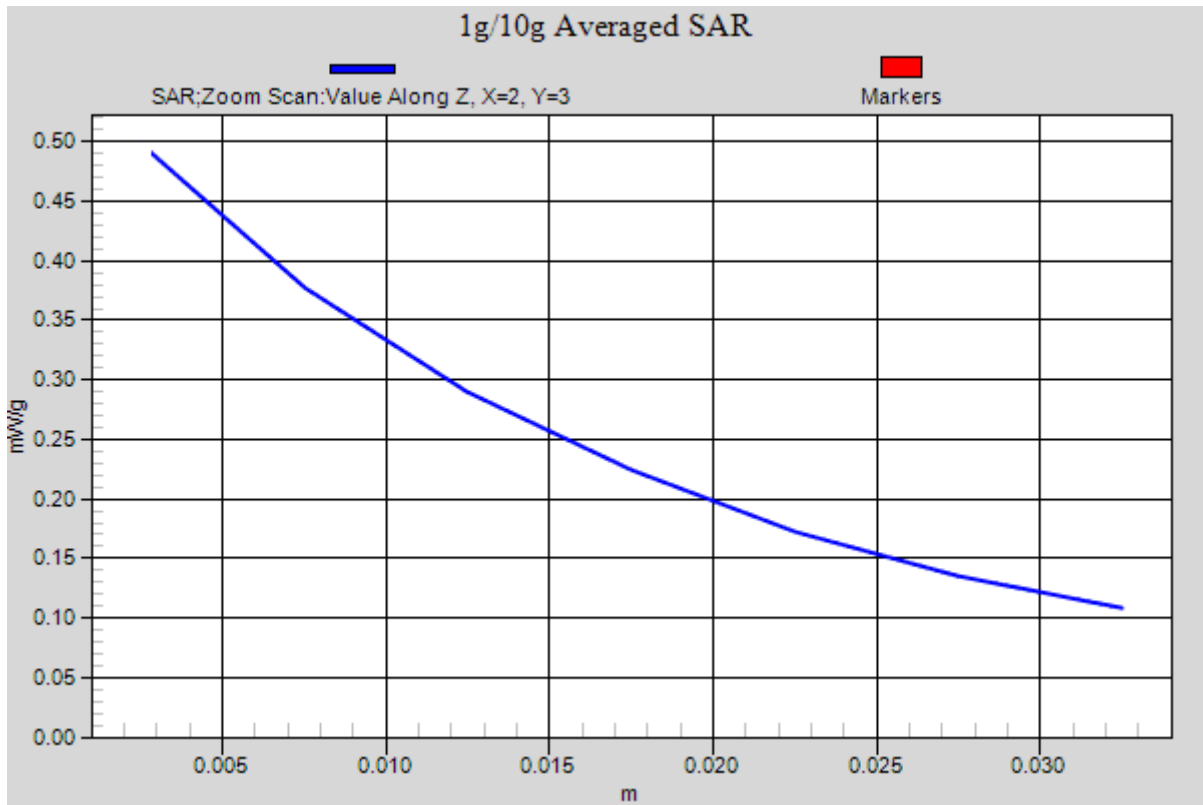
Reference Value = 7.698 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.588 mW/g

**SAR(1 g) = 0.258 mW/g; SAR(10 g) = 0.113 mW/g**

Maximum value of SAR (measured) = 0.412 mW/g







Test Laboratory: Compliance Certification Services Inc.

July 10, 2012

**IEEE802.11b Body (Horizontal Up) Middle CH6**

**DUT: 150Mbps Wireless USB adapter; Type: WUA-0614; Serial: N/A**

Communication System: 802.11b; Communication System Band: B; Frequency: 2437 MHz;

Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.959$  mho/m;  $\epsilon_r = 52.721$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.06, 7.06, 7.06); Calibrated: 1/20/2012;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.1(838); SEMCAD X 14.6.5(6469)

**IEEE802.11b/IEEE802.11b Body (Horizontal Up) Middle CH6/Area Scan (31x101x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.294 mW/g

**IEEE802.11b/IEEE802.11b Body (Horizontal Up) Middle CH6/Zoom Scan (7x7x7) /Cube 0:**

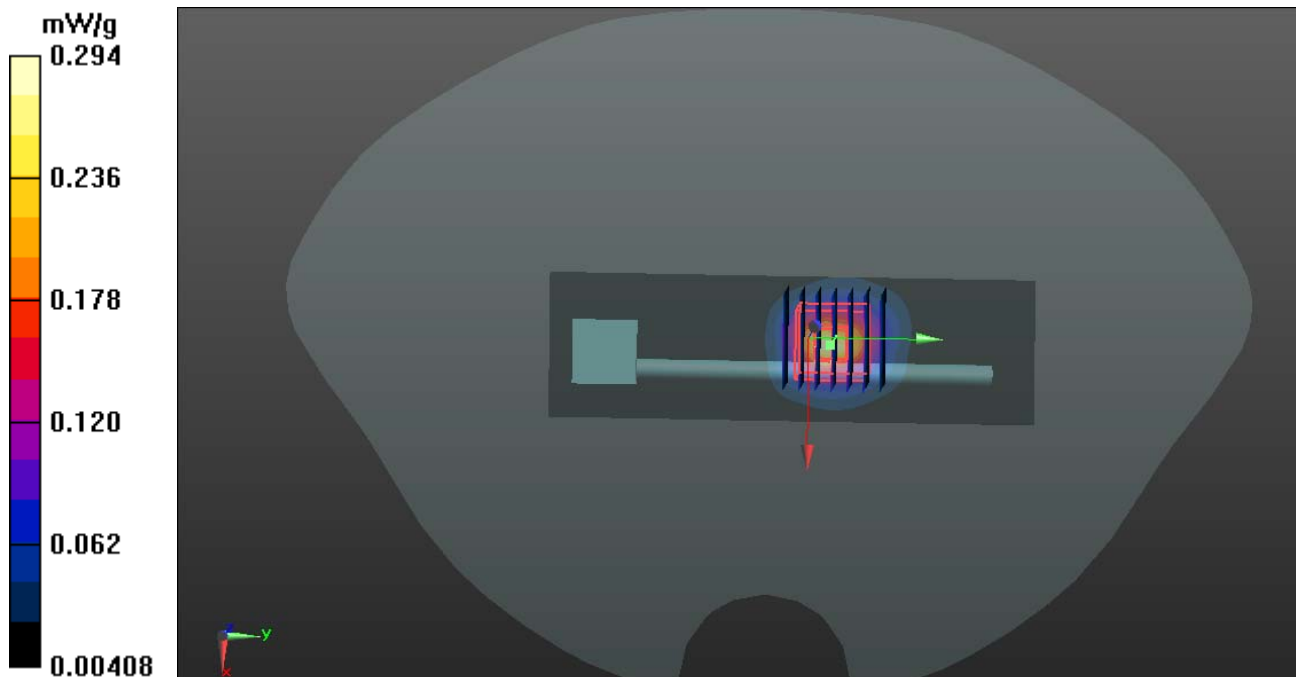
Measurement grid: dx=5mm, dy=5mm, dz=5mm

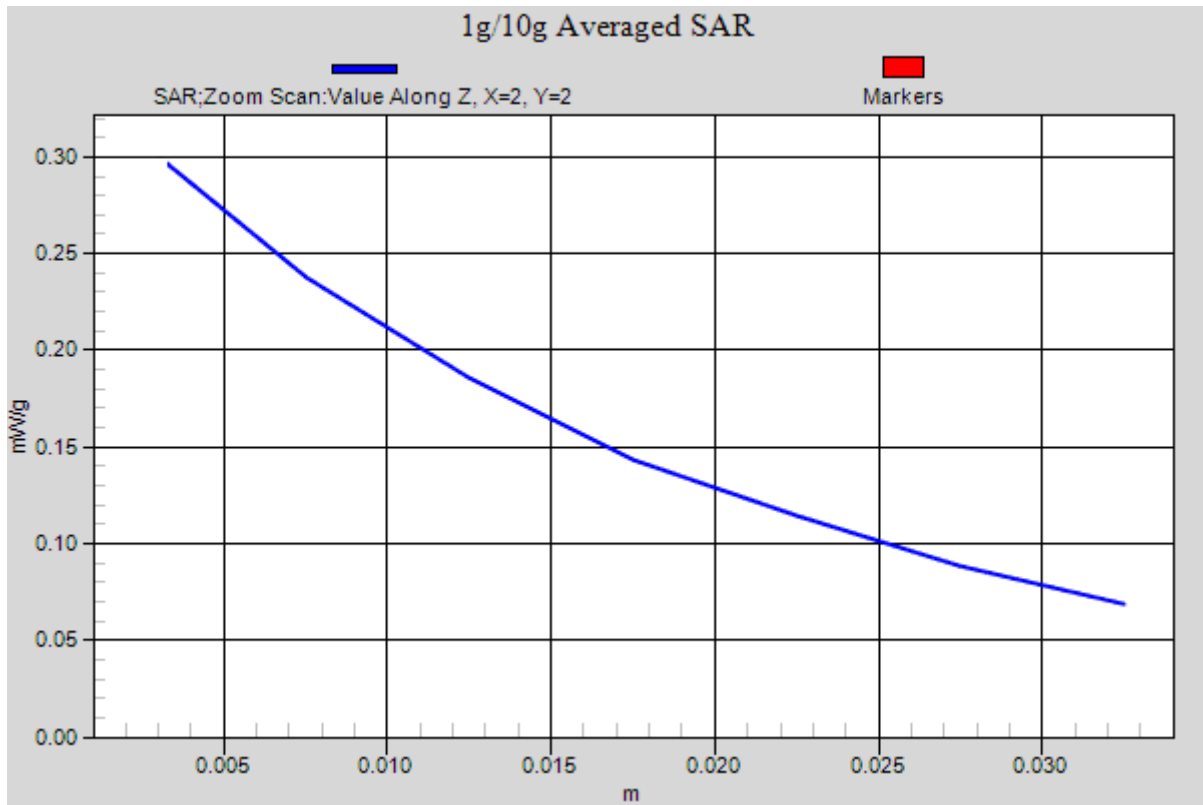
Reference Value = 5.798 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.408 mW/g

**SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.081 mW/g**

Maximum value of SAR (measured) = 0.209 mW/g







Test Laboratory: Compliance Certification Services Inc.

July 10, 2012

**IEEE802.11b Body (Horizontal Up) High CH11**

**DUT: 150Mbps Wireless USB adapter; Type: WUA-0614; Serial: N/A**

Communication System: 802.11b; Communication System Band: B; Frequency: 2462MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.958$  mho/m;  $\epsilon_r = 52.88$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.06, 7.06, 7.06); Calibrated: 1/20/2012;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012;
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.1(838); SEMCAD X 14.6.5(6469)

**IEEE802.11b/IEEE802.11b Body (Horizontal Up) High CH11/Area Scan (31x101x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.181 mW/g

**IEEE802.11b/IEEE802.11b Body (Horizontal Up) High CH11/Zoom Scan (7x7x7) /Cube 0:**

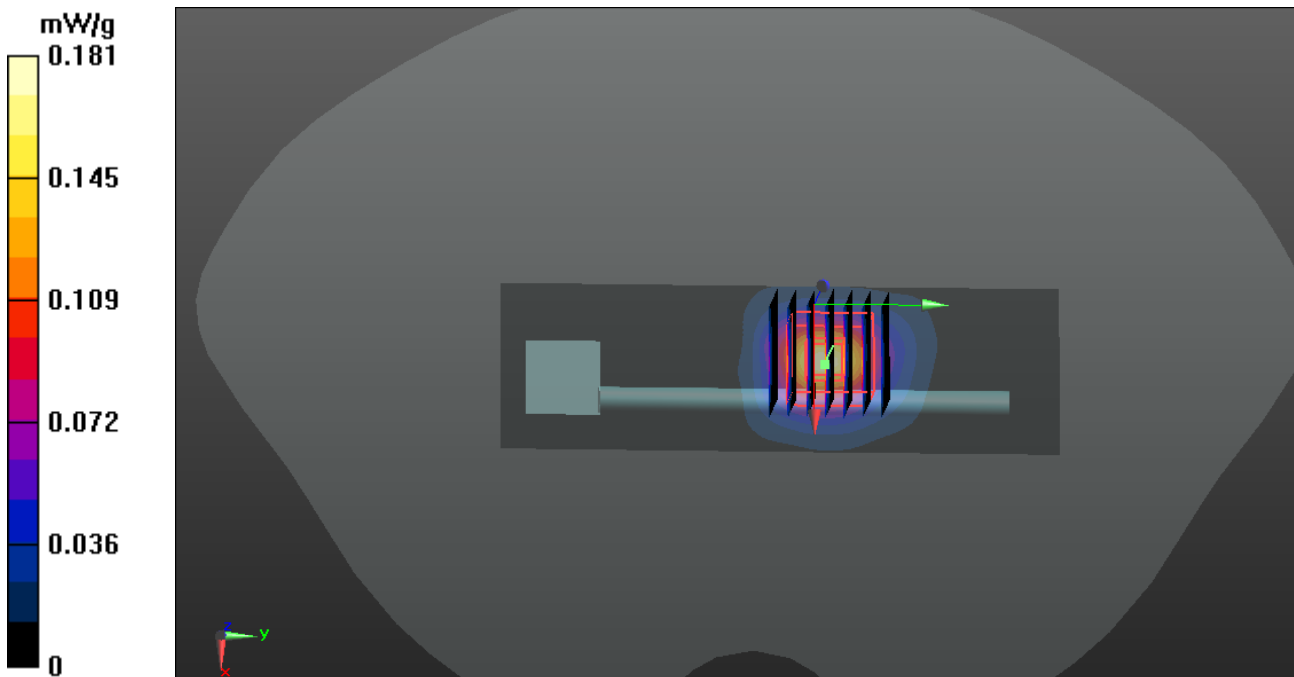
Measurement grid: dx=5mm, dy=5mm, dz=5mm

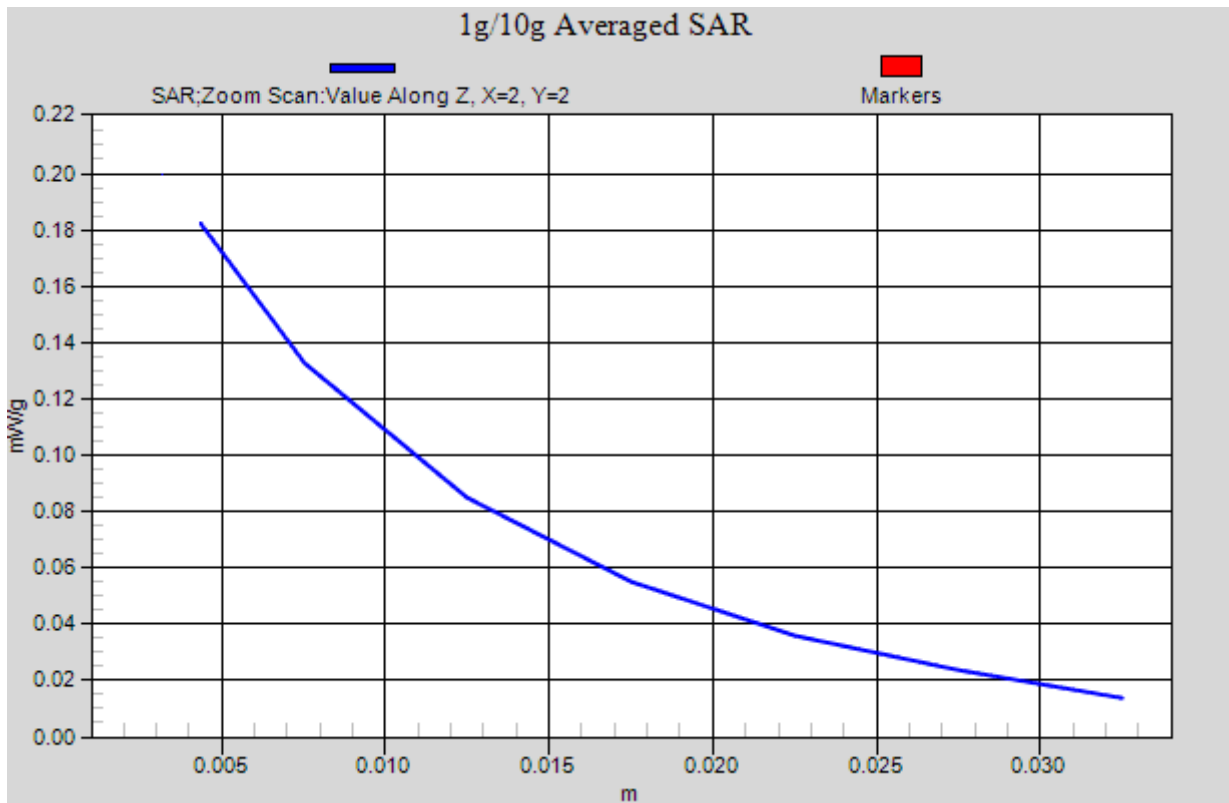
Reference Value = 5.210 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.303 mW/g

**SAR(1 g) = 0.135 mW/g; SAR(10 g) = 0.060 mW/g**

Maximum value of SAR (measured) = 0.155 mW/g







Test Laboratory: Compliance Certification Services Inc.

July 10, 2012

**IEEE802.11b Body (Horizontal Down ) Low CH1**

**DUT: 150Mbps Wireless USB adapter; Type: WUA-0614; Serial: N/A**

Communication System: 802.11b; Communication System Band: B; Frequency: 2412

MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.954$  mho/m;  $\epsilon_r = 52.698$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.06, 7.06, 7.06); Calibrated: 1/20/2012;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.1(838); SEMCAD X 14.6.5(6469)

**IEEE802.11b/IEEE802.11b Body (Horizontal Down ) Low CH1/Area Scan (31x101x1):**

Measurement grid: dx=15mm, dy=15mm

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

**IEEE802.11b/IEEE802.11b Body (Horizontal Down ) Low CH1/Zoom Scan (7x7x7) /Cube 0:**

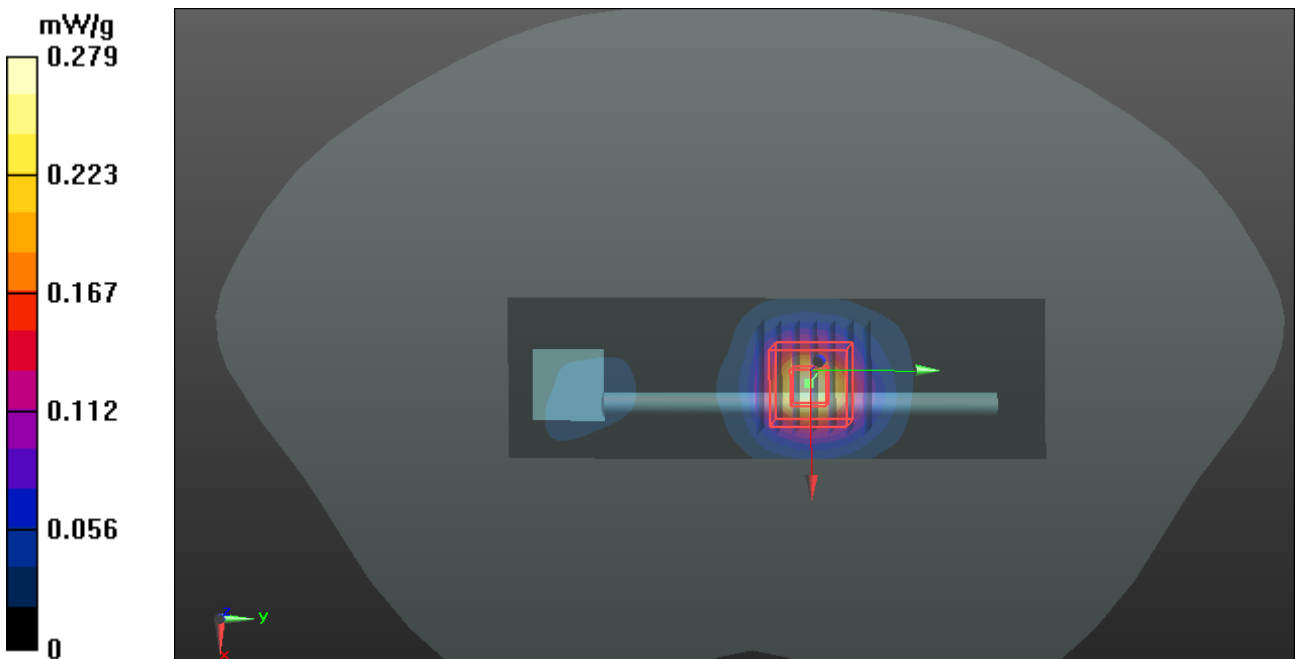
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.684 V/m; Power Drift = -0.07 dB

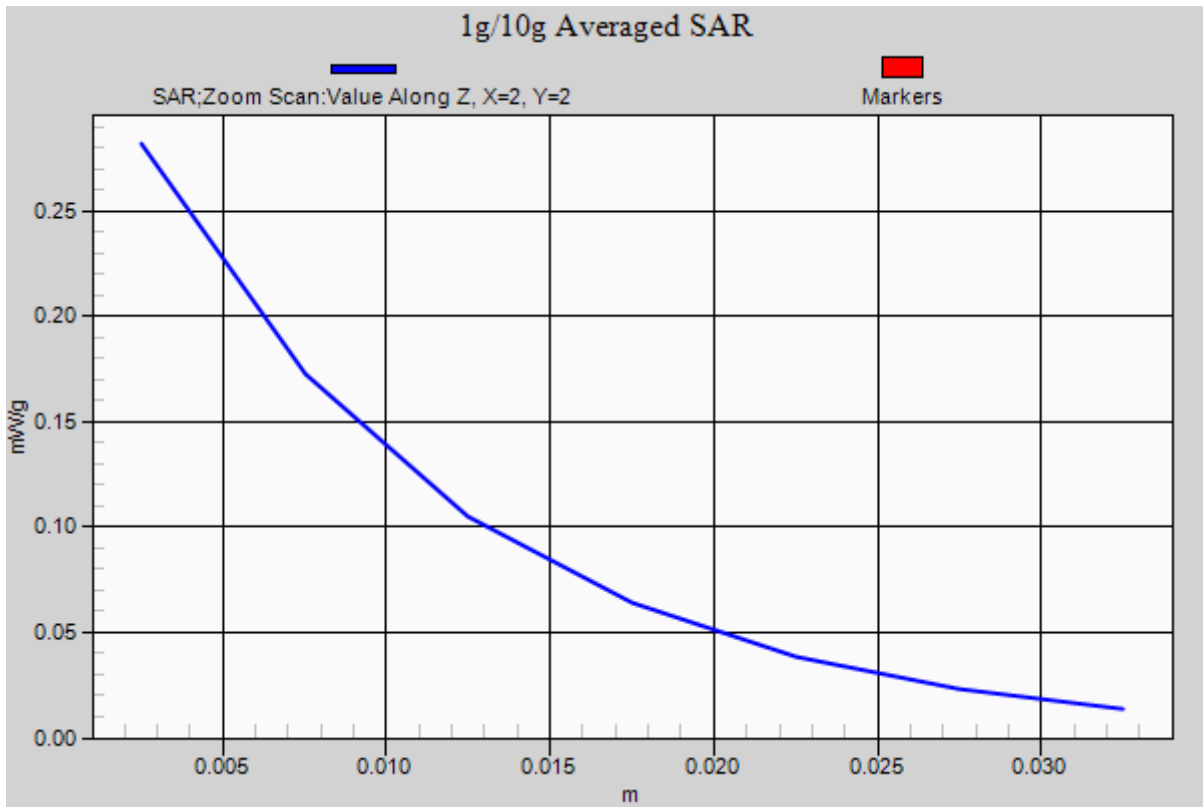
Peak SAR (extrapolated) = 0.356 mW/g

**SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.080 mW/g**

Maximum value of SAR (measured) = 0.194 mW/g









Test Laboratory: Compliance Certification Services Inc.

July 10, 2012

**IEEE802.11b Body (TIP with antenna straight) Low CH1**

**DUT: 150Mbps Wireless USB adapter; Type: WUA-0614; Serial: N/A**

Communication System: 802.11b; Communication System Band: B; Frequency: 2412

MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.954$  mho/m;  $\epsilon_r = 52.698$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.06, 7.06, 7.06); Calibrated: 1/20/2012;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.1(838); SEMCAD X 14.6.5(6469)

**IEEE802.11b/IEEE802.11b Body (TIP with antenna straight) Low CH1/Area Scan (31x101x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.559 mW/g

**IEEE802.11b/IEEE802.11b Body (TIP with antenna straight) Low CH1/Zoom Scan (7x7x7)/Cube 0:**

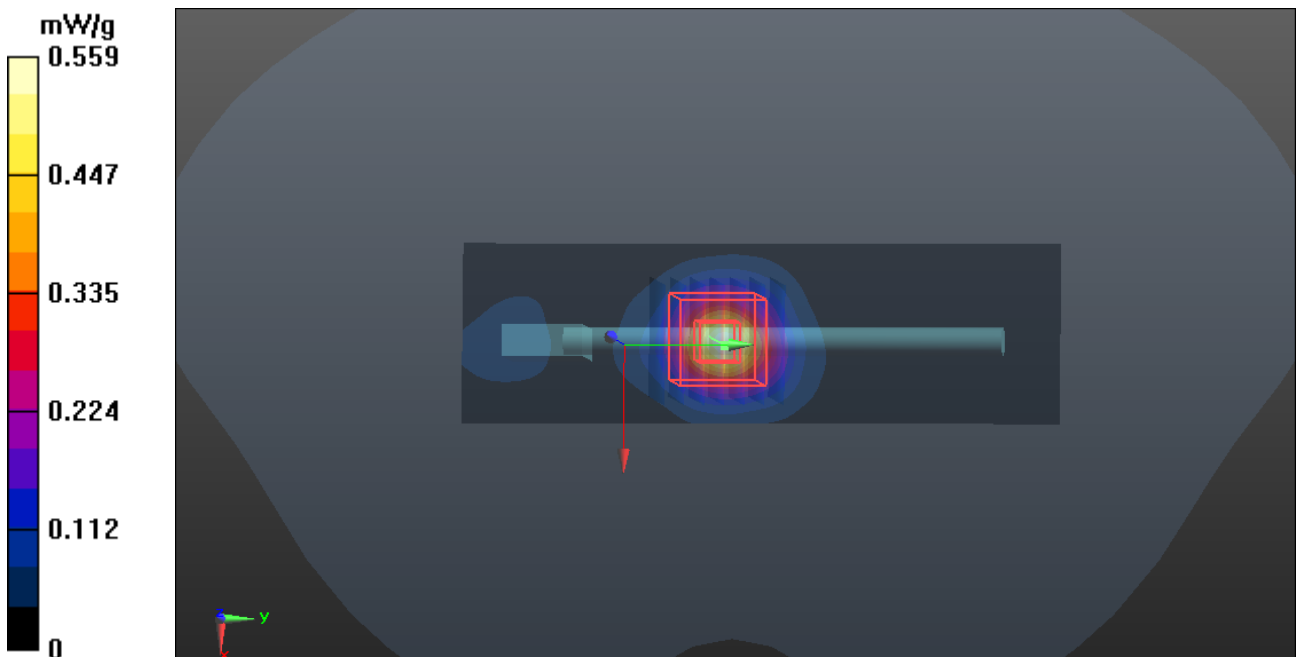
Measurement grid: dx=5mm, dy=5mm, dz=5mm

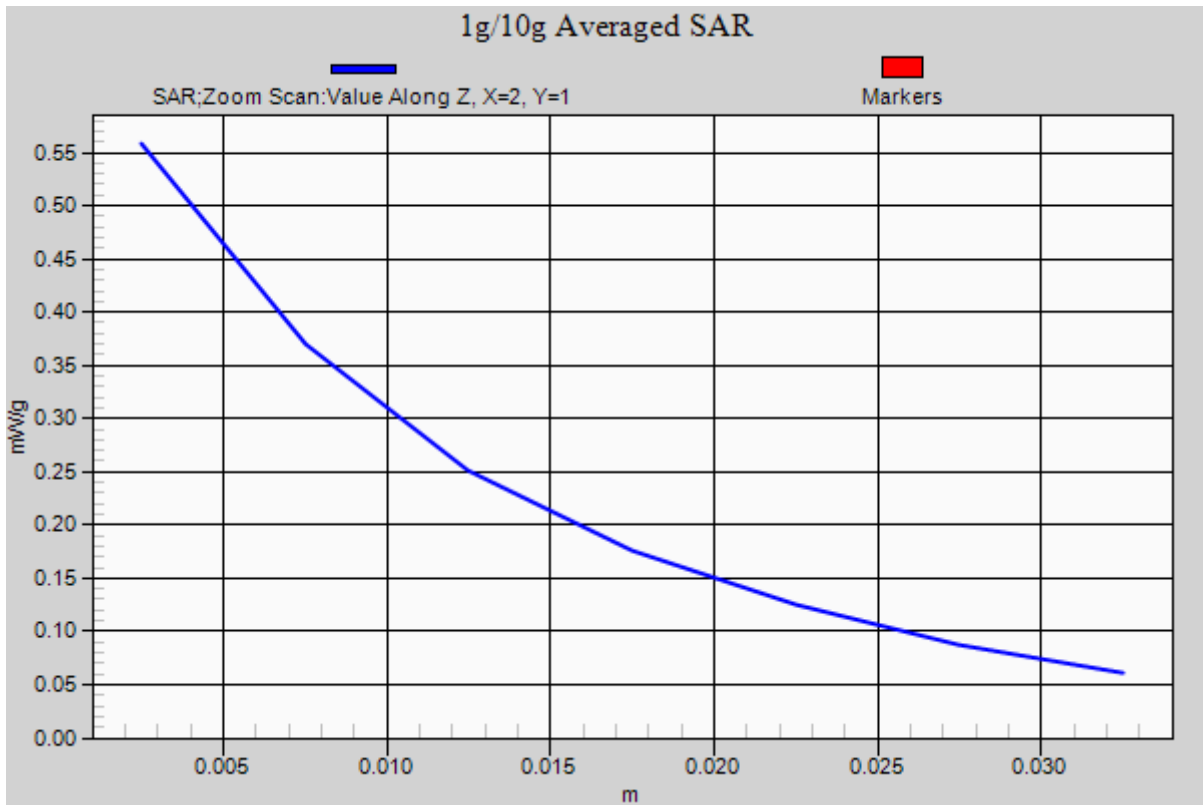
Reference Value = 21.845 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.685 mW/g

**SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.134 mW/g**

Maximum value of SAR (measured) = 0.347 mW/g







Test Laboratory: Compliance Certification Services Inc.

July 10, 2012

**IEEE802.11b (TIP with antenna rotate 90° ) Low CH1**

**DUT: 150Mbps Wireless USB adapter; Type: WUA-0614; Serial: N/A**

Communication System: 802.11b; Communication System Band: B; Frequency: 2412

MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.954$  mho/m;  $\epsilon_r = 52.698$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.06, 7.06, 7.06); Calibrated: 1/20/2012;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.1(838); SEMCAD X 14.6.5(6469)

**IEEE802.11b/IEEE802.11b Body (TIP with antenna rotate 90° ) Low CH1/Area Scan (41x81x1):**

Measurement grid: dx=15mm, dy=15mm

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

**IEEE802.11b/IEEE802.11b Body (TIP with antenna rotate 90° ) Low CH1/Zoom Scan (7x7x7)/Cube**

**0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.896 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.632 mW/g

**SAR(1 g) = 0.280 mW/g; SAR(10 g) = 0.121 mW/g**

Maximum value of SAR (measured) = 0.322 mW/g

