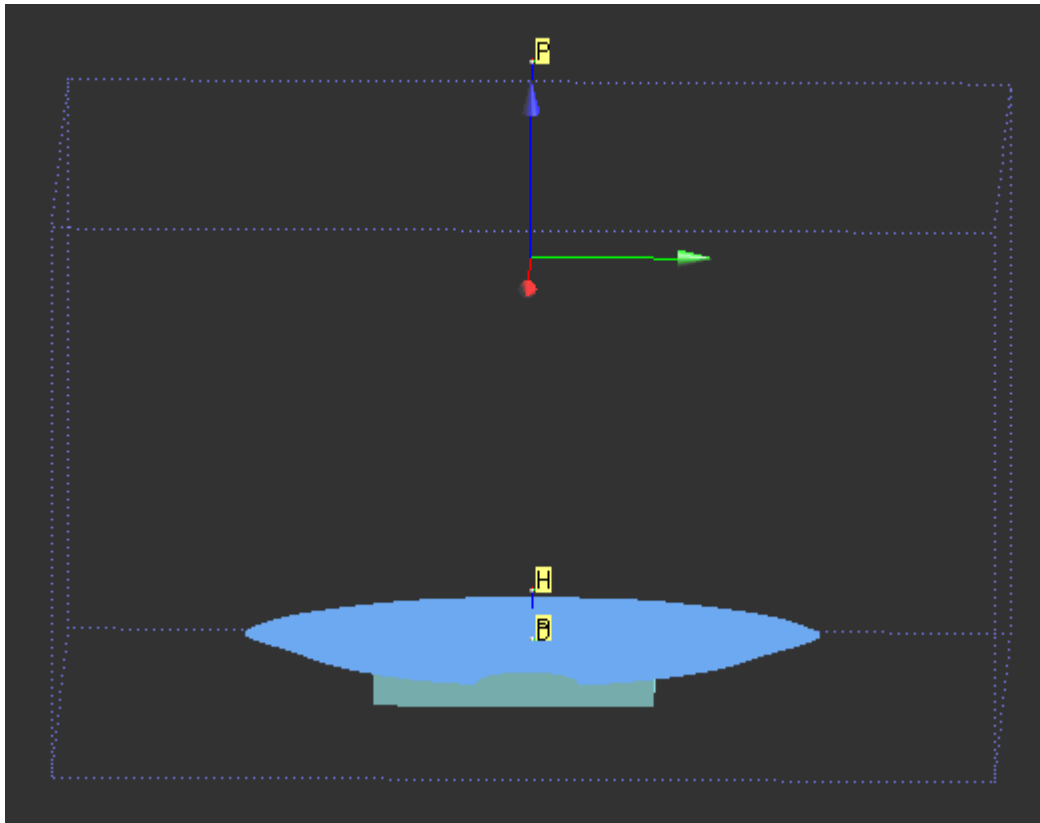




## Body





**Ant 0\_802.11b\_CH06\_orientation A**

Date/Time: 4/28/2009 9:07:23 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

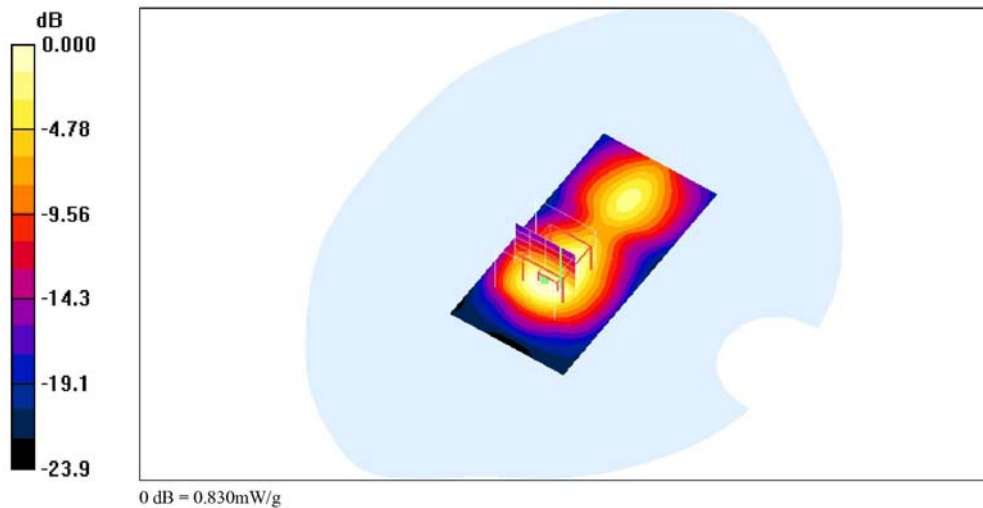
Communication System: IEEE 802.11b/g/n; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 50.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 22 degC; Liquid temperature: 21 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(6.17, 6.17, 6.17); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-1; Type: SAM4.0; Serial: TP-1346
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0\_802.11b\_CH06\_orientation A/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.06 mW/g

**Ant 0\_802.11b\_CH06\_orientation A/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 15.2 V/m; Power Drift = -0.133 dB  
Peak SAR (extrapolated) = 1.61 W/kg  
**SAR(1 g) = 0.802 mW/g; SAR(10 g) = 0.403 mW/g**  
Maximum value of SAR (measured) = 0.830 mW/g





**Ant 0\_802.11b\_CH06\_orientation B**

Date/Time: 4/28/2009 11:17:04 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11b/g/n; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 50.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 22 degC; Liquid temperature: 21 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(6.17, 6.17, 6.17); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-1; Type: SAM4.0; Serial: TP-1346
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0\_802.11b\_CH06\_orientation B/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.64 V/m; Power Drift = -0.200 dB

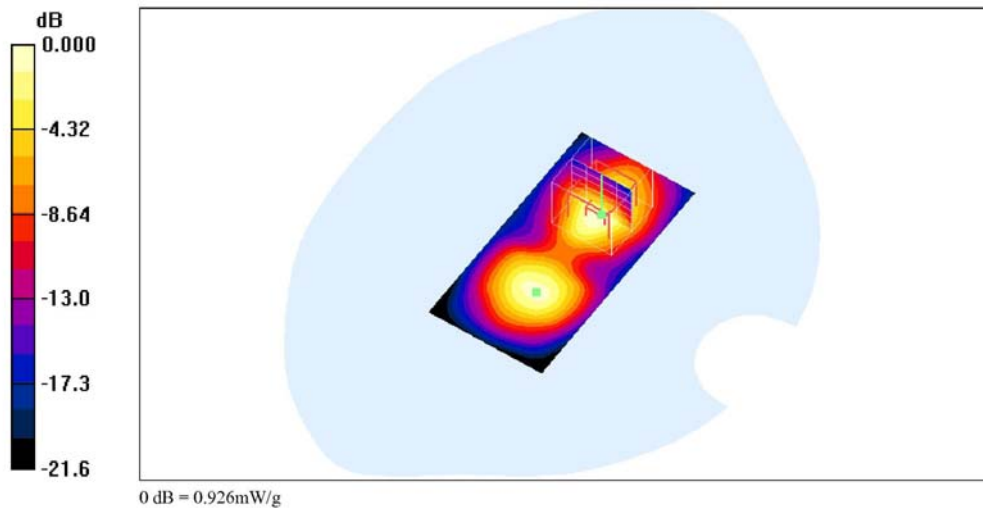
Peak SAR (extrapolated) = 1.96 W/kg

**SAR(1 g) = 0.833 mW/g; SAR(10 g) = 0.390 mW/g**

Maximum value of SAR (measured) = 0.926 mW/g

**Ant 0\_802.11b\_CH06\_orientation B/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.942 mW/g





**Ant 0\_802.11b\_CH06\_orientation C**

Date/Time: 4/28/2009 12:47:01 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11b/g/n; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 50.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 22 degC; Liquid temperature: 21 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(6.17, 6.17, 6.17); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-1; Type: SAM4.0; Serial: TP-1346
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0\_802.11b\_CH06\_orientation C/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.21 V/m; Power Drift = 0.014 dB

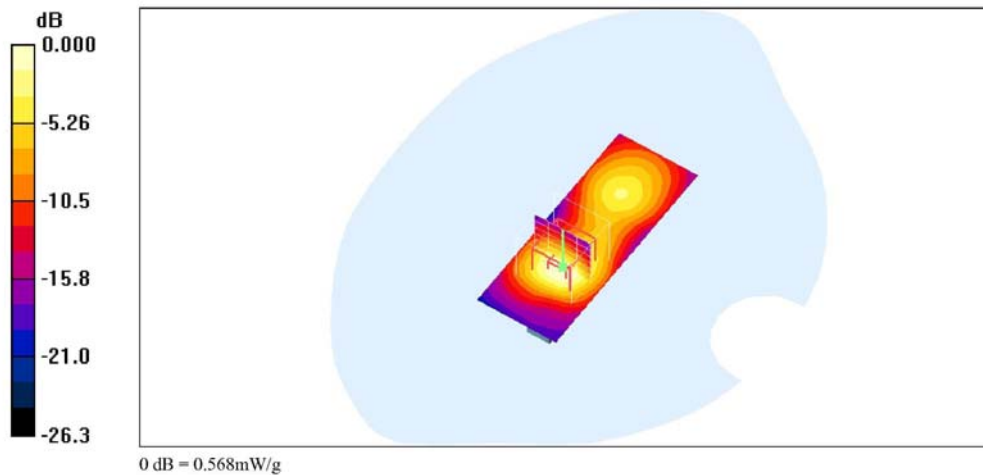
Peak SAR (extrapolated) = 0.965 W/kg

**SAR(1 g) = 0.500 mW/g; SAR(10 g) = 0.235 mW/g**

Maximum value of SAR (measured) = 0.568 mW/g

**Ant 0\_802.11b\_CH06\_orientation C/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.704 mW/g





**Ant 0\_802.11b\_CH06\_orientation D**

Date/Time: 4/28/2009 1:28:23 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

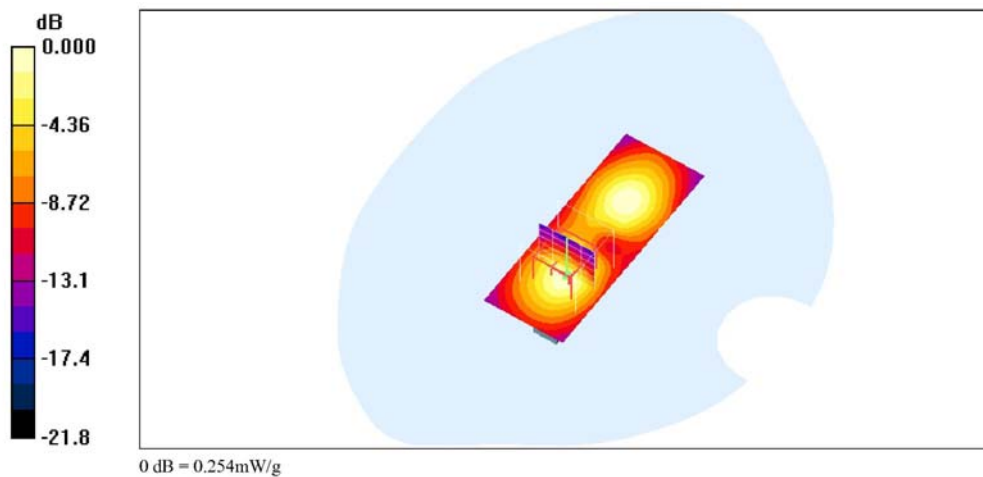
Communication System: IEEE 802.11b/g/n; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 50.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 22 degC; Liquid temperature: 21 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(6.17, 6.17, 6.17); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-1; Type: SAM4.0; Serial: TP-1346
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0\_802.11b\_CH06\_orientation D/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.253 mW/g

**Ant 0\_802.11b\_CH06\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 5.62 V/m; Power Drift = -0.171 dB  
Peak SAR (extrapolated) = 0.442 W/kg  
**SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.108 mW/g**  
Maximum value of SAR (measured) = 0.254 mW/g





**Ant 1\_802.11b\_CH06\_orientation A**

Date/Time: 4/28/2009 8:26:21 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11b/g/n; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 50.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 22 degC; Liquid temperature: 21 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(6.17, 6.17, 6.17); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-1; Type: SAM4.0; Serial: TP-1346
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 1\_802.11b\_CH06\_orientation A/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.6 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 1.22 W/kg

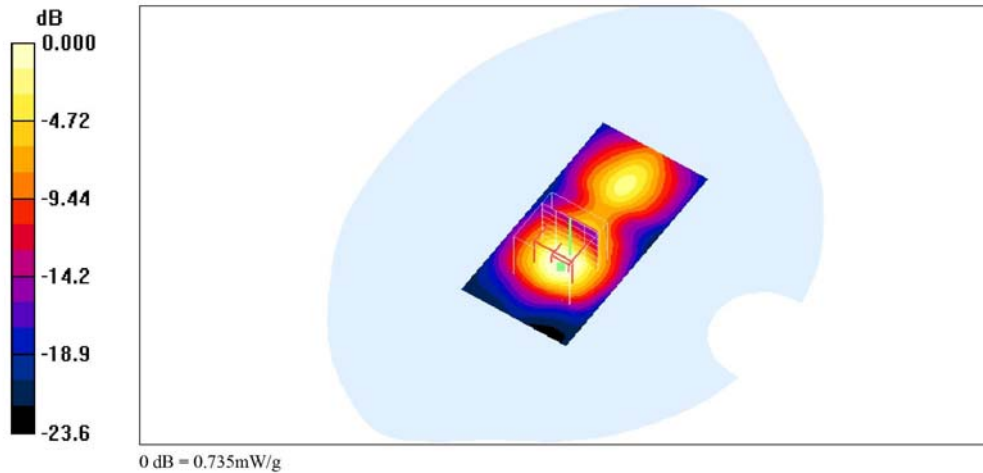
**SAR(1 g) = 0.684 mW/g; SAR(10 g) = 0.346 mW/g**

Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.

Maximum value of SAR (measured) = 0.735 mW/g

**Ant 1\_802.11b\_CH06\_orientation A/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.815 mW/g





**Ant 1\_802.11b\_CH06\_orientation B**

Date/Time: 4/28/2009 10:54:24 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**  
**Program Name: Unnamed Program**

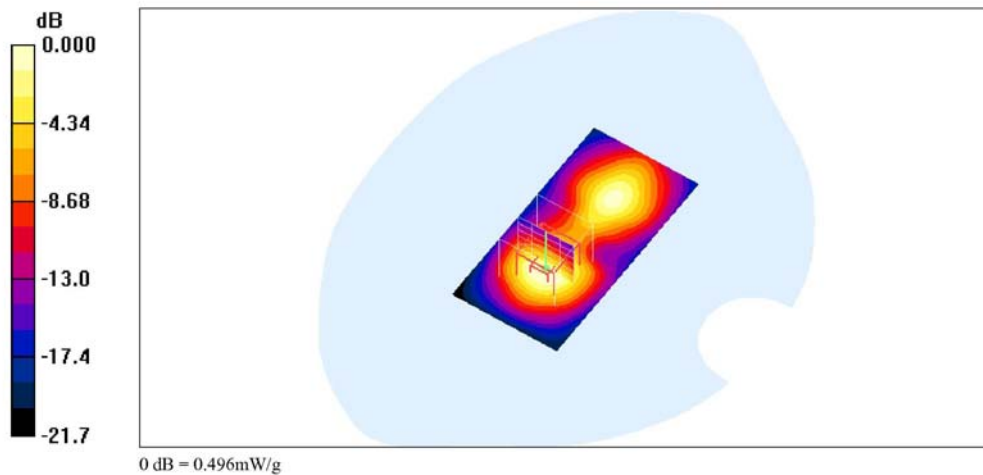
Communication System: IEEE 802.11b/g/n; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 50.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 22 degC; Liquid temperature: 21 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(6.17, 6.17, 6.17); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-1; Type: SAM4.0; Serial: TP-1346
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 1\_802.11b\_CH06\_orientation B/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.584 mW/g

**Ant 1\_802.11b\_CH06\_orientation B/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 7.39 V/m; Power Drift = 0.018 dB  
Peak SAR (extrapolated) = 0.819 W/kg  
**SAR(1 g) = 0.434 mW/g; SAR(10 g) = 0.214 mW/g**  
Maximum value of SAR (measured) = 0.496 mW/g





**Ant 1\_802.11b\_CH06\_orientation C**

Date/Time: 4/28/2009 2:57:03 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

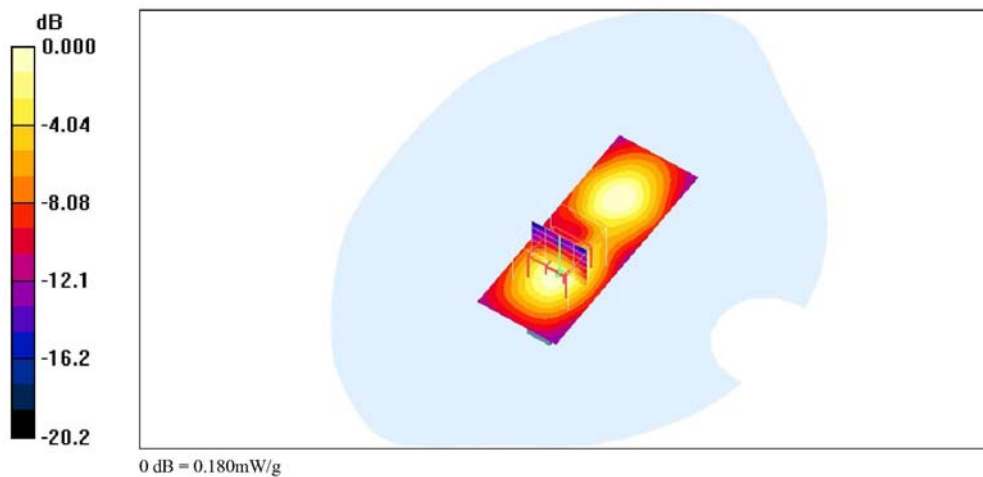
Communication System: IEEE 802.11b/g/n; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 50.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 22 degC; Liquid temperature: 21 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(6.17, 6.17, 6.17); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-1; Type: SAM4.0; Serial: TP-1346
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 1\_802.11b\_CH06\_orientation C/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.193 mW/g

**Ant 1\_802.11b\_CH06\_orientation C/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 4.43 V/m; Power Drift = 0.117 dB  
Peak SAR (extrapolated) = 0.324 W/kg  
**SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.081 mW/g**  
Maximum value of SAR (measured) = 0.180 mW/g





**Ant 1\_802.11b\_CH06\_orientation D**

Date/Time: 4/28/2009 1:11:01 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

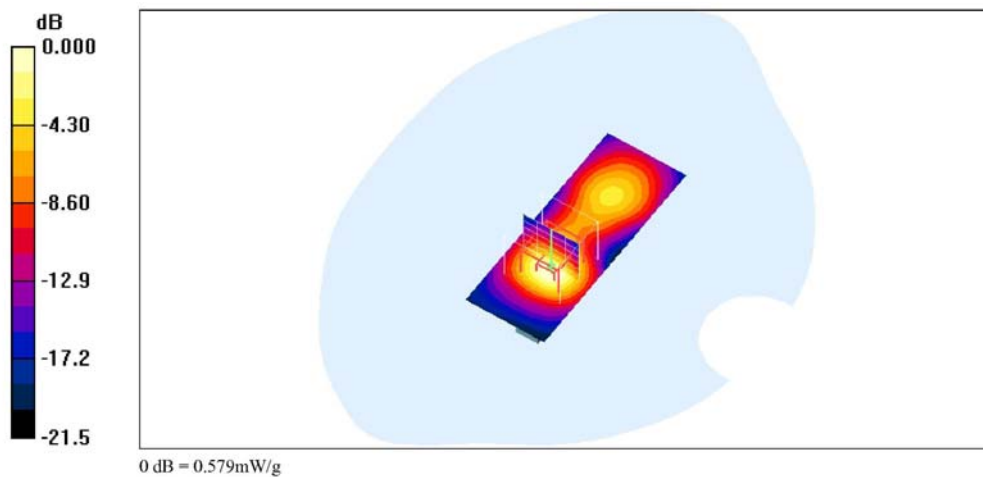
Communication System: IEEE 802.11b/g/n; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 50.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 22 degC; Liquid temperature: 21 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(6.17, 6.17, 6.17); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-1; Type: SAM4.0; Serial: TP-1346
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 1\_802.11b\_CH06\_orientation D/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.726 mW/g

**Ant 1\_802.11b\_CH06\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.71 V/m; Power Drift = 0.058 dB  
Peak SAR (extrapolated) = 0.998 W/kg  
**SAR(1 g) = 0.506 mW/g; SAR(10 g) = 0.231 mW/g**  
Maximum value of SAR (measured) = 0.579 mW/g





**Ant 0+1\_802.11gn HT40\_CH06\_orientation A**

Date/Time: 4/8/2009 10:42:15 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

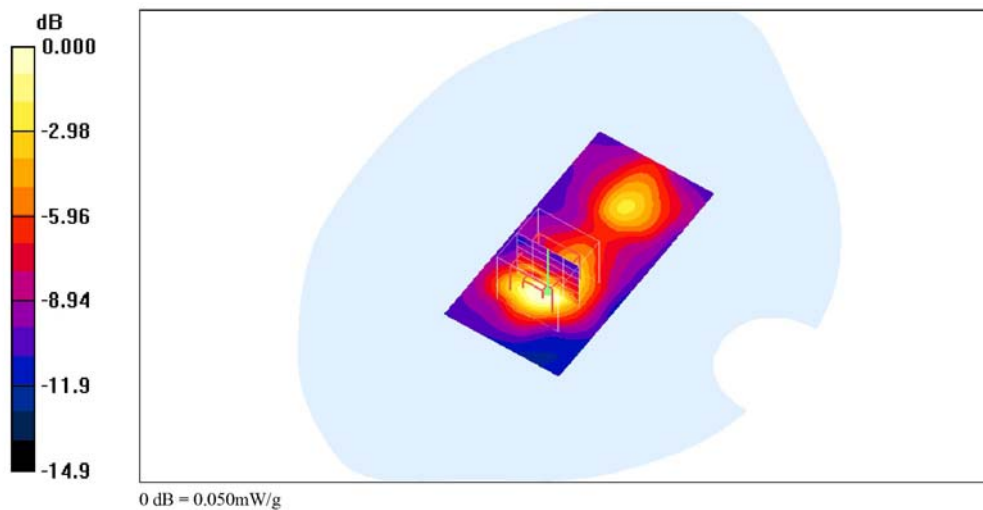
Communication System: IEEE 802.11b/g/n; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 50.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 21 degC; Liquid temperature: 22 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(6.17, 6.17, 6.17); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-1; Type: SAM4.0; Serial: TP-1346
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0+1\_802.11gn HT40\_CH06\_orientation A/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.061 mW/g

**Ant 0+1\_802.11gn HT40\_CH06\_orientation A/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 2.73 V/m; Power Drift = 0.079 dB  
Peak SAR (extrapolated) = 0.246 W/kg  
**SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.025 mW/g**  
Maximum value of SAR (measured) = 0.050 mW/g





**Ant 0+1\_802.11gn HT40\_CH06\_orientation B**

Date/Time: 4/8/2009 12:39:10 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**  
**Program Name: Unnamed Program**

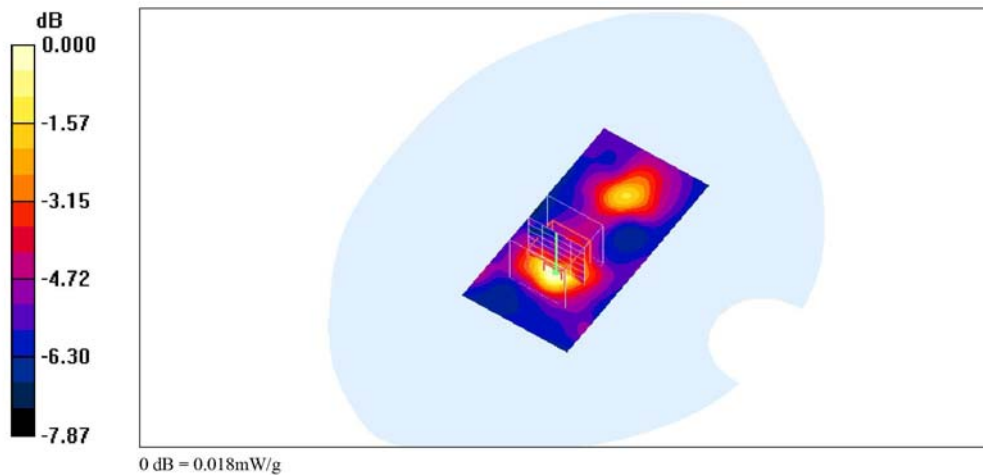
Communication System: IEEE 802.11b/g/n; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 50.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 21 degC; Liquid temperature: 22 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(6.17, 6.17, 6.17); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-1; Type: SAM4.0; Serial: TP-1346
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0+1\_802.11gn HT40\_CH06\_orientation B/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.019 mW/g

**Ant 0+1\_802.11gn HT40\_CH06\_orientation B/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 1.50 V/m; Power Drift = 1.77 dB  
Peak SAR (extrapolated) = 0.030 W/kg  
**SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00963 mW/g**  
Maximum value of SAR (measured) = 0.018 mW/g





**Ant 0+1\_802.11gn HT40\_CH06\_orientation C**

Date/Time: 4/8/2009 1:00:18 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

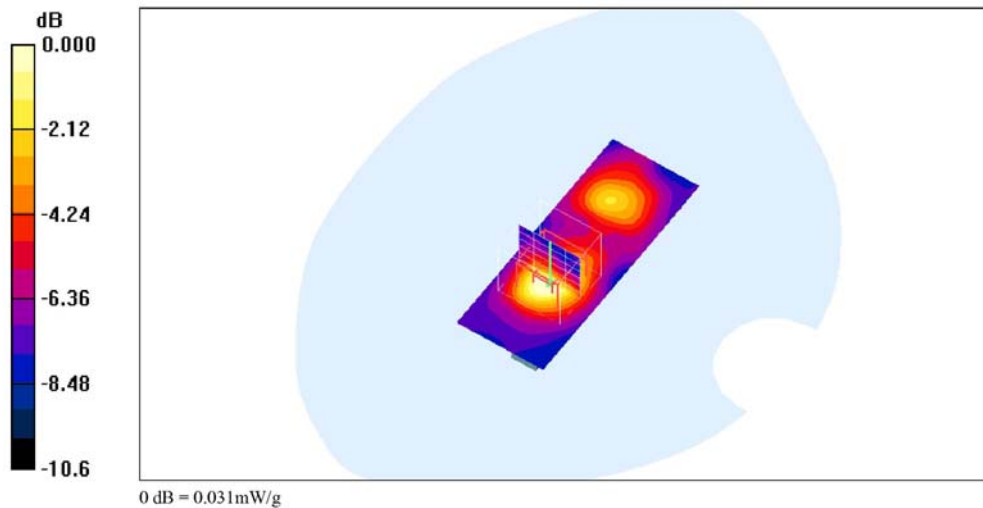
Communication System: IEEE 802.11b/g/n; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 50.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 21 degC; Liquid temperature: 22 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(6.17, 6.17, 6.17); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0+1\_802.11gn HT40\_CH06\_orientation C/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.039 mW/g

**Ant 0+1\_802.11gn HT40\_CH06\_orientation C/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 2.24 V/m; Power Drift = 0.185 dB  
Peak SAR (extrapolated) = 0.048 W/kg  
**SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.015 mW/g**  
Maximum value of SAR (measured) = 0.031 mW/g





**Ant 0+1\_802.11gn HT40\_CH06\_orientation D**

Date/Time: 4/8/2009 1:19:15 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11b/g/n; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 50.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 21 degC; Liquid temperature: 22 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(6.17, 6.17, 6.17); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0+1\_802.11gn HT40\_CH06\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.63 V/m; Power Drift = 0.076 dB

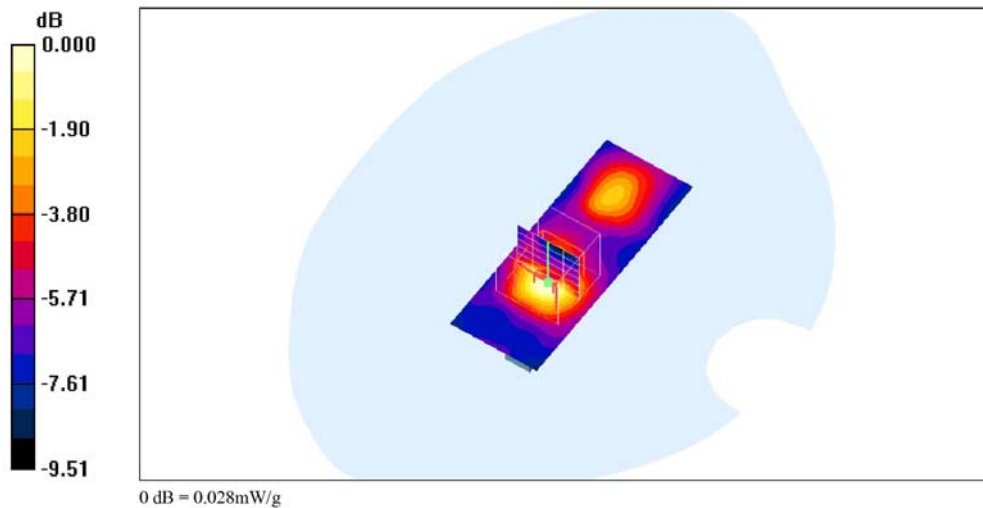
Peak SAR (extrapolated) = 0.079 W/kg

**SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.015 mW/g**

Maximum value of SAR (measured) = 0.028 mW/g

**Ant 0+1\_802.11gn HT40\_CH06\_orientation D/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.030 mW/g





**Ant 0\_802.11a\_CH40\_orientation A**

Date/Time: 5/23/2009 10:04:57 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

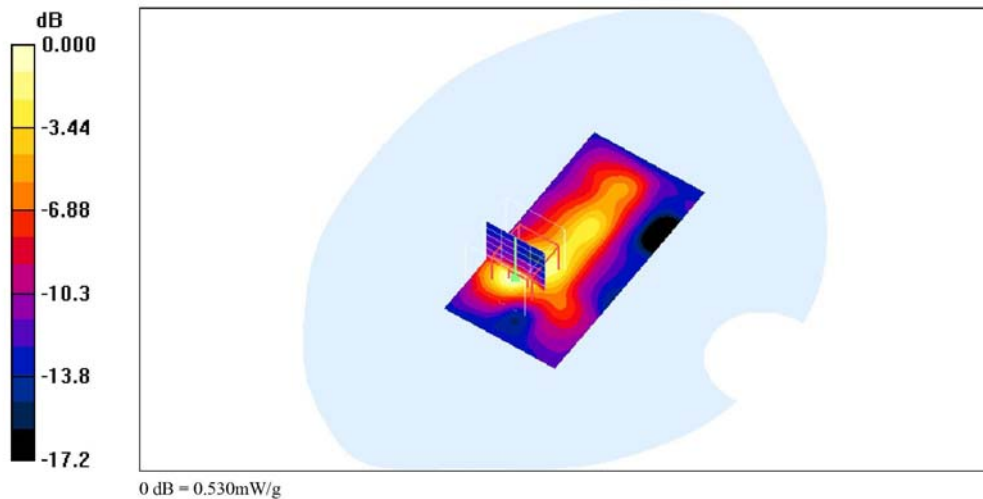
Communication System: IEEE 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.18$  mho/m;  $\epsilon_r = 49.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 22 degC; Liquid temperature: 22.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(4.08, 4.08, 4.08); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0\_802.11a\_CH40\_orientation A/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.503 mW/g

**Ant 0\_802.11a\_CH40\_orientation A/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.66 V/m; Power Drift = -0.17 dB  
Peak SAR (extrapolated) = 1.19 W/kg  
**SAR(1 g) = 0.458 mW/g; SAR(10 g) = 0.183 mW/g**  
Maximum value of SAR (measured) = 0.530 mW/g





**Ant 0\_802.11a\_CH40\_orientation B**

Date/Time: 5/23/2009 2:35:21 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

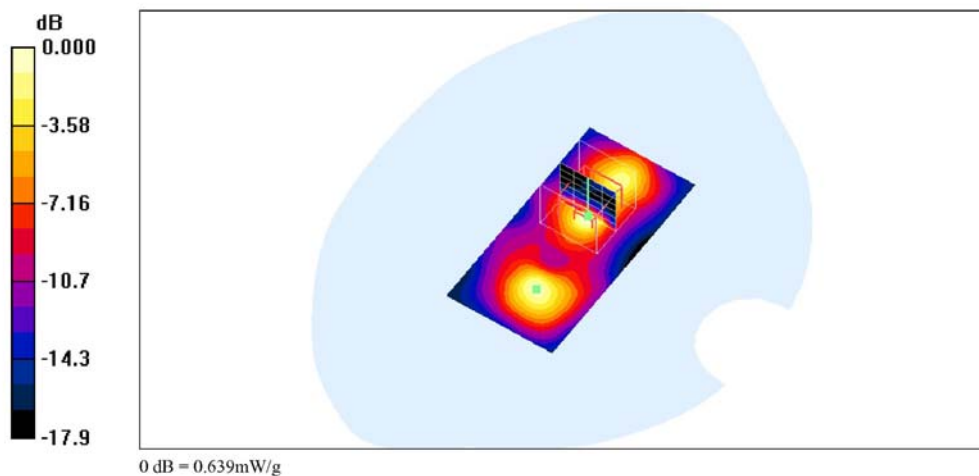
Communication System: IEEE 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.18$  mho/m;  $\epsilon_r = 49.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 22 degC; Liquid temperature: 22.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(4.08, 4.08, 4.08); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0\_802.11a\_CH40\_orientation B/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 5.00 V/m; Power Drift = 0.184 dB  
Peak SAR (extrapolated) = 0.976 W/kg  
**SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.127 mW/g**  
Maximum value of SAR (measured) = 0.612 mW/g

**Ant 0\_802.11a\_CH40\_orientation B/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.639 mW/g





**Ant 0\_802.11a\_CH40\_orientation C**

Date/Time: 5/24/2009 10:10:33 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.18$  mho/m;  $\epsilon_r = 49.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 21 degC; Liquid temperature: 22.3 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(4.08, 4.08, 4.08); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0\_802.11a\_CH40\_orientation C/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.46 V/m; Power Drift = 0.168 dB

Peak SAR (extrapolated) = 1.25 W/kg

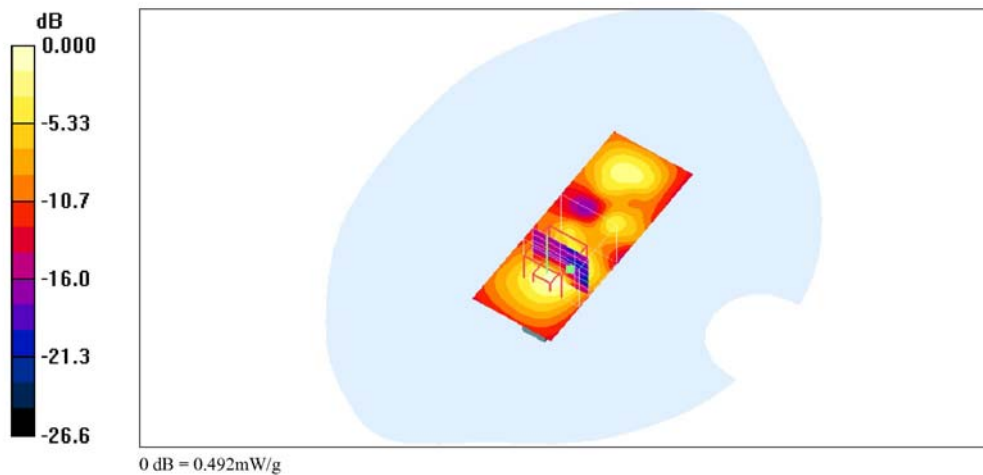
**SAR(1 g) = 0.448 mW/g; SAR(10 g) = 0.166 mW/g**

Warning: Maximum averaged SAR over 1 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement. Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.

Maximum value of SAR (measured) = 0.492 mW/g

**Ant 0\_802.11a\_CH40\_orientation C/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.459 mW/g





**Ant 0\_802.11a\_CH40\_orientation D**

Date/Time: 5/24/2009 2:36:58 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.18$  mho/m;  $\epsilon_r = 49.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 21 degC; Liquid temperature: 22.3 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(4.08, 4.08, 4.08); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0\_802.11a\_CH40\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.80 V/m; Power Drift = 0.03 dB

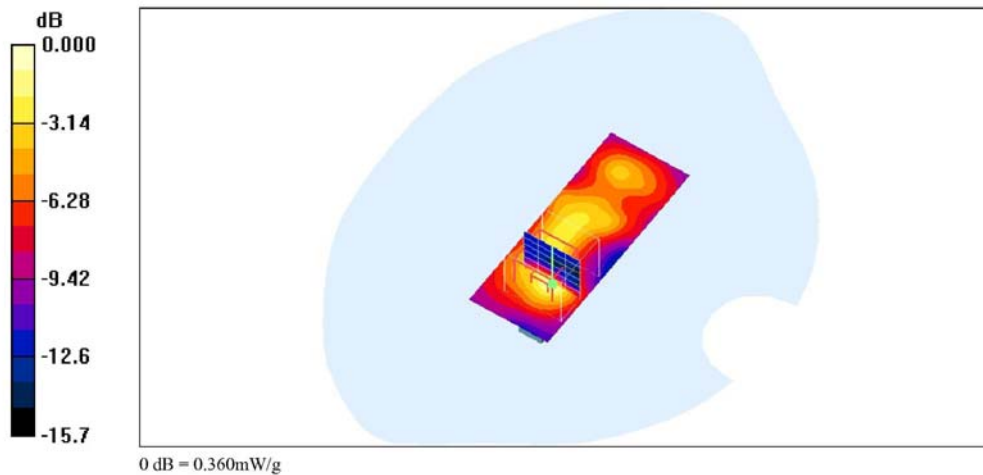
Peak SAR (extrapolated) = 2.10 W/kg

**SAR(1 g) = 0.407 mW/g; SAR(10 g) = 0.144 mW/g**

Maximum value of SAR (measured) = 0.360 mW/g

**Ant 0\_802.11a\_CH40\_orientation D/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.310 mW/g





**Ant 0\_802.11a\_CH44\_orientation A**

Date/Time: 4/13/2009 10:02:02 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

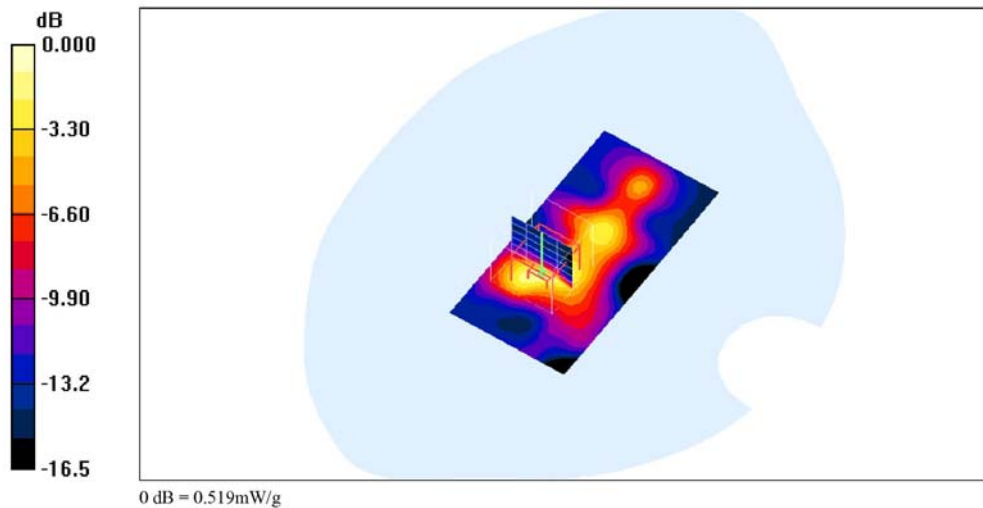
Communication System: IEEE 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5220$  MHz;  $\sigma = 5.21$  mho/m;  $\epsilon_r = 49.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 20 degC; Liquid temperature: 21.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(4.08, 4.08, 4.08); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0\_802.11a\_CH44\_orientation A/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.385 mW/g

**Ant 0\_802.11a\_CH44\_orientation A/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.89 V/m; Power Drift = -0.130 dB  
Peak SAR (extrapolated) = 1.22 W/kg  
**SAR(1 g) = 0.443 mW/g; SAR(10 g) = 0.170 mW/g**  
Maximum value of SAR (measured) = 0.519 mW/g





**Ant 0\_802.11a\_CH44\_orientation B**

Date/Time: 4/13/2009 3:51:54 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5220$  MHz;  $\sigma = 5.21$  mho/m;  $\epsilon_r = 49.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 20 degC; Liquid temperature: 21.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(4.08, 4.08, 4.08); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0\_802.11a\_CH44\_orientation B/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.68 V/m; Power Drift = -0.189 dB

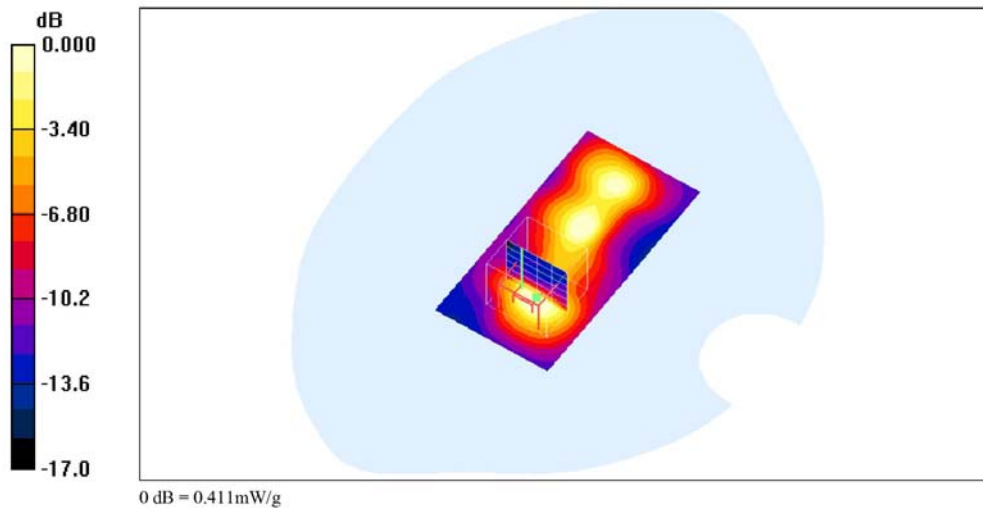
Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.394 mW/g; SAR(10 g) = 0.154 mW/g**

Maximum value of SAR (measured) = 0.411 mW/g

**Ant 0\_802.11a\_CH44\_orientation B/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.524 mW/g





**Ant 0\_802.11a\_CH44\_orientation C**

Date/Time: 4/14/2009 9:37:13 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5220$  MHz;  $\sigma = 5.21$  mho/m;  $\epsilon_r = 49.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 20 degC; Liquid temperature: 21.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(4.08, 4.08, 4.08); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0\_802.11a\_CH44\_orientation C/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.21 V/m; Power Drift = -0.099 dB

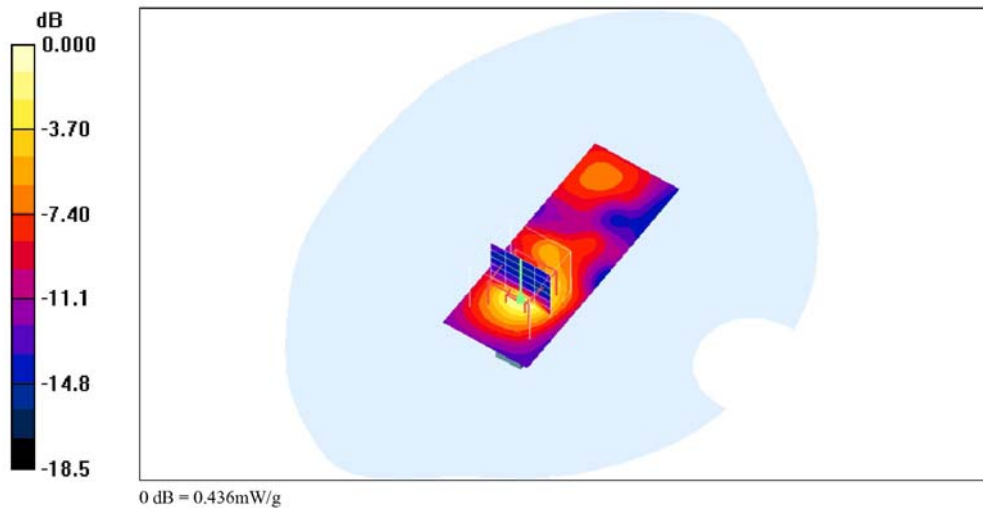
Peak SAR (extrapolated) = 0.928 W/kg

**SAR(1 g) = 0.342 mW/g; SAR(10 g) = 0.125 mW/g**

Maximum value of SAR (measured) = 0.436 mW/g

**Ant 0\_802.11a\_CH44\_orientation C/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.323 mW/g





**Ant 0\_802.11a\_CH44\_orientation D**

Date/Time: 4/14/2009 1:46:19 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5220$  MHz;  $\sigma = 5.21$  mho/m;  $\epsilon_r = 49.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 20 degC; Liquid temperature: 21.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(4.08, 4.08, 4.08); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0\_802.11a\_CH44\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.03 V/m; Power Drift = -0.047 dB

Peak SAR (extrapolated) = 0.417 W/kg

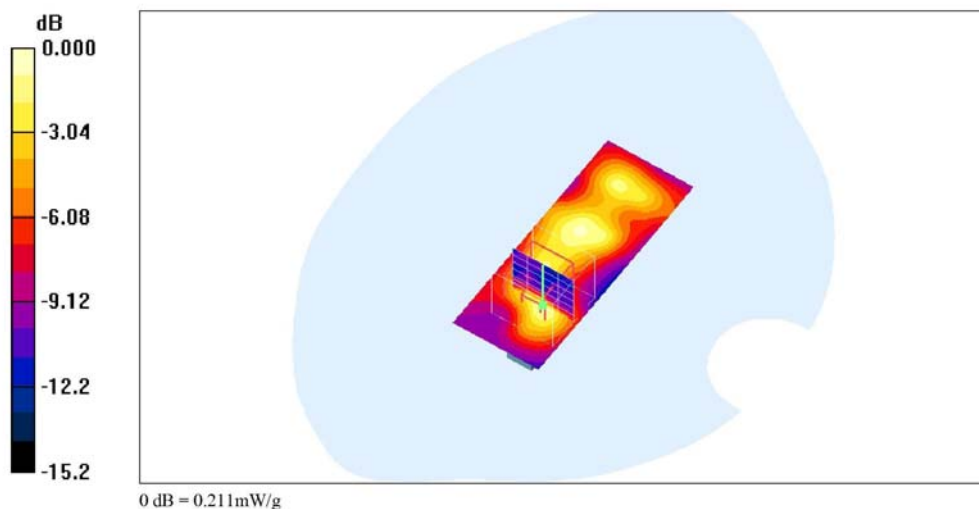
**SAR(1 g) = 0.157 mW/g; SAR(10 g) = 0.065 mW/g**

Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.

Maximum value of SAR (measured) = 0.211 mW/g

**Ant 0\_802.11a\_CH44\_orientation D/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.185 mW/g





**Ant 0\_802.11a\_CH149\_orientation A**

Date/Time: 5/23/2009 11:13:38 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 5745$  MHz;  $\sigma = 5.99$  mho/m;  $\epsilon_r = 48.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 22 degC; Liquid temperature: 22.5 degC;  
Phantom section: Flat Section

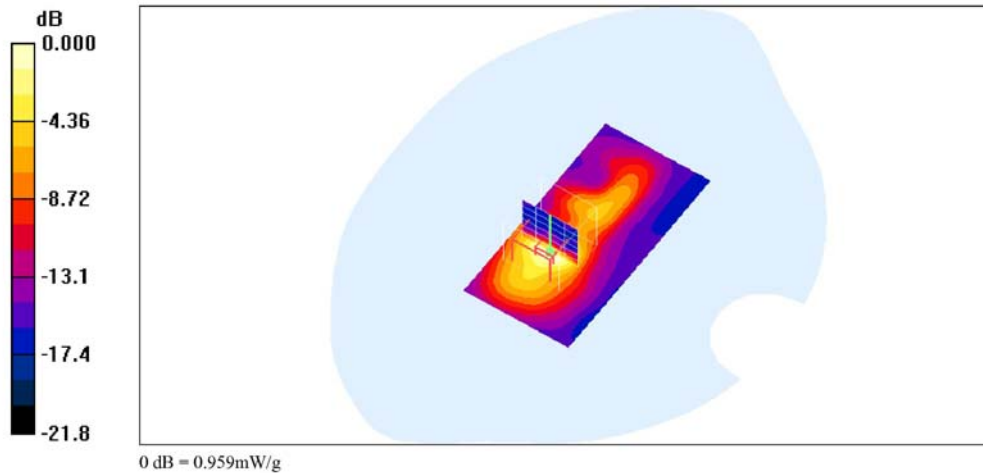
DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008  
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008  
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347  
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0\_802.11a\_CH149\_orientation A/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (interpolated) = 0.915 mW/g

**Ant 0\_802.11a\_CH149\_orientation A/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.13 V/m; Power Drift = 0.101 dB  
Peak SAR (extrapolated) = 2.23 W/kg  
**SAR(1 g) = 0.792 mW/g; SAR(10 g) = 0.304 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 0.959 mW/g





**Ant 0\_802.11a\_CH149\_orientation B**

Date/Time: 5/23/2009 4:13:35 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 5745$  MHz;  $\sigma = 5.99$  mho/m;  $\epsilon_r = 48.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 22 degC; Liquid temperature: 22.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008  
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008  
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347  
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0\_802.11a\_CH149\_orientation B/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

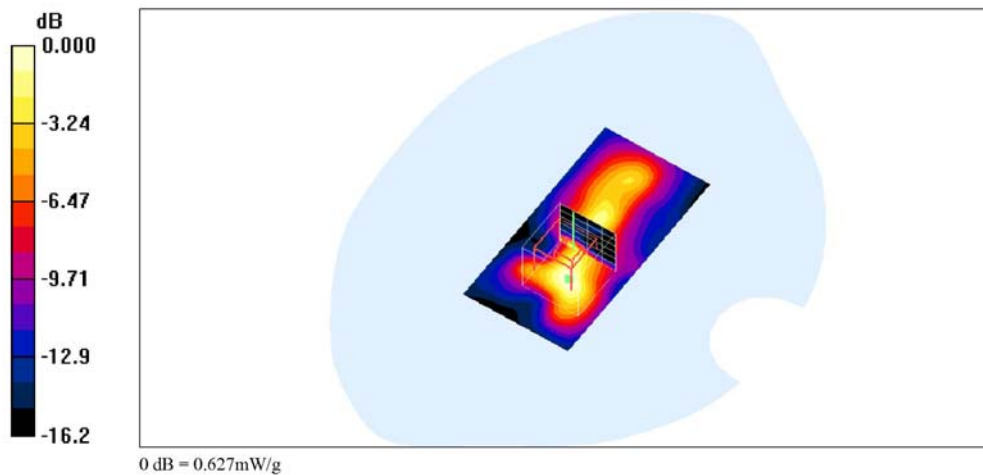
Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (interpolated) = 0.627 mW/g

**Ant 0\_802.11a\_CH149\_orientation B/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.92 V/m; Power Drift = 0.193 dB  
Peak SAR (extrapolated) = 1.54 W/kg  
**SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.147 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Warning: Maximum averaged SAR over 1 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement. Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.

Maximum value of SAR (measured) = 0.630 mW/g





**Ant 0\_802.11a\_CH149\_orientation C**

Date/Time: 5/24/2009 11:05:50 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5700 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.94$  mho/m;  $\epsilon_r = 48.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 21 degC; Liquid temperature: 22.3 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0\_802.11a\_CH149\_orientation C/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.44 V/m; Power Drift = -0.12 dB

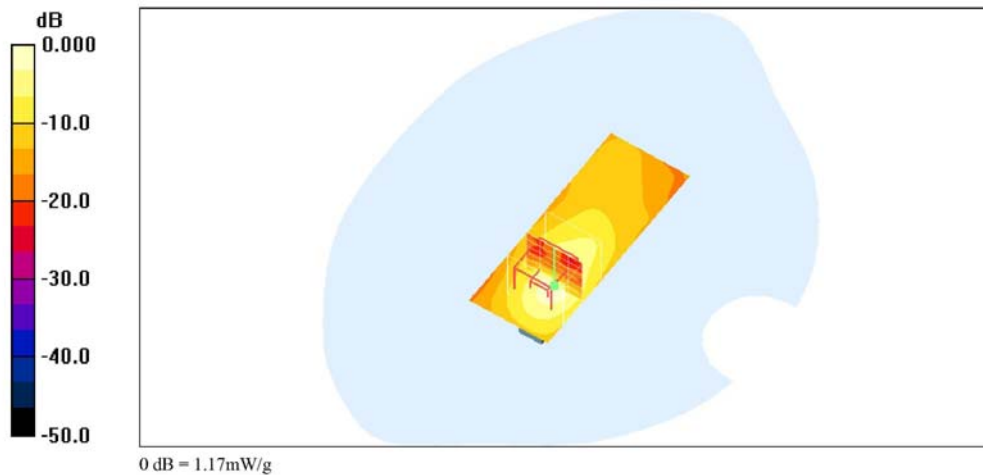
Peak SAR (extrapolated) = 3.01 W/kg

**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.337 mW/g**

Maximum value of SAR (measured) = 1.17 mW/g

**Ant 0\_802.11a\_CH149\_orientation C/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.969 mW/g





**Ant 0\_802.11a\_CH149\_orientation D**

Date/Time: 5/24/2009 7:53:26 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 5745$  MHz;  $\sigma = 5.99$  mho/m;  $\epsilon_r = 48.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 21 degC; Liquid temperature: 22.3 degC;  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008  
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008  
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347  
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

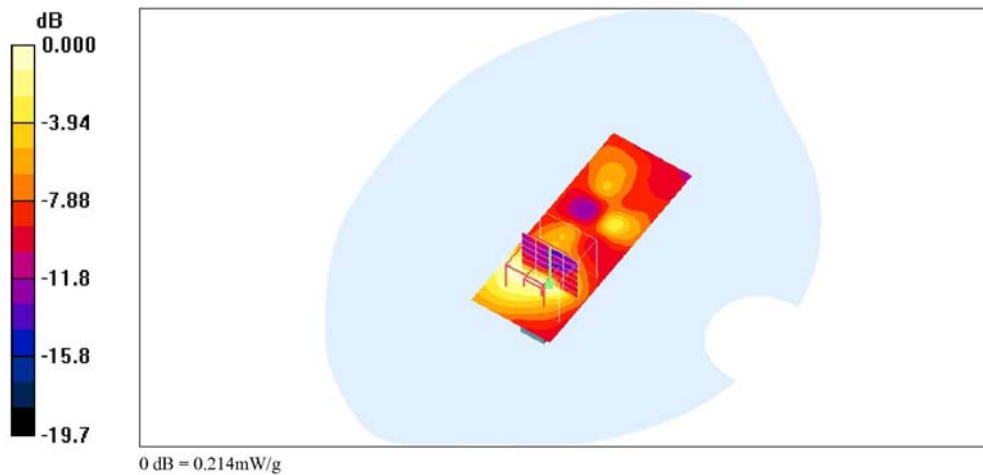
**Ant 0\_802.11a\_CH149\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 2.70 V/m; Power Drift = 0.191 dB  
Peak SAR (extrapolated) = 0.728 W/kg  
**SAR(1 g) = 0.191 mW/g; SAR(10 g) = 0.082 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

**Warning:** Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.  
Maximum value of SAR (measured) = 0.214 mW/g

**Ant 0\_802.11a\_CH149\_orientation D/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (interpolated) = 0.193 mW/g





**Ant 0\_802.11a\_CH157\_orientation A**

Date/Time: 4/13/2009 10:53:32 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 5785$  MHz;  $\sigma = 6.03$  mho/m;  $\epsilon_r = 48$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 20 degC; Liquid temperature: 21.5 degC;  
Phantom section: Flat Section

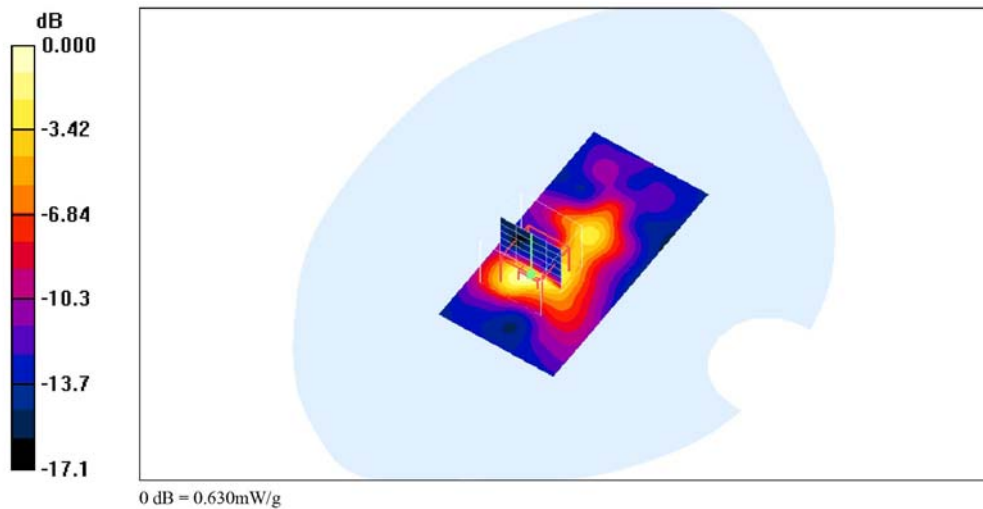
DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008  
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008  
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347  
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0\_802.11a\_CH157\_orientation A/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.17 V/m; Power Drift = 0.1670 dB  
Peak SAR (extrapolated) = 1.44 W/kg  
**SAR(1 g) = 0.528 mW/g; SAR(10 g) = 0.199 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 0.630 mW/g

**Ant 0\_802.11a\_CH157\_orientation A/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (interpolated) = 0.545 mW/g





**Ant 0\_802.11a\_CH157\_orientation B**

Date/Time: 4/13/2009 4:30:07 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 5785$  MHz;  $\sigma = 6.03$  mho/m;  $\epsilon_r = 48$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 20 degC; Liquid temperature: 21.5 degC;  
Phantom section: Flat Section

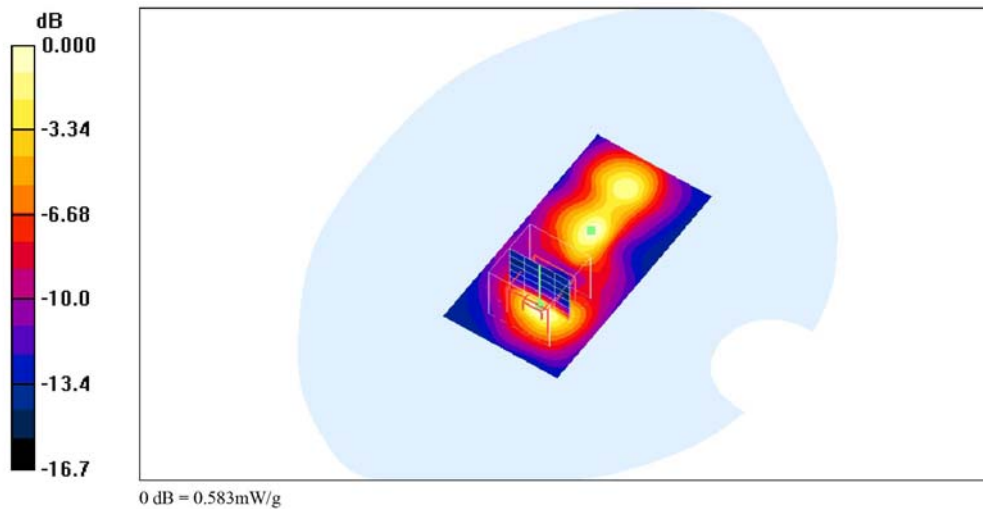
DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008  
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008  
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347  
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0\_802.11a\_CH157\_orientation B/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (interpolated) = 0.635 mW/g

**Ant 0\_802.11a\_CH157\_orientation B/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.75 V/m; Power Drift = -0.157 dB  
Peak SAR (extrapolated) = 1.27 W/kg  
**SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.181 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 0.583 mW/g





**Ant 0\_802.11a\_CH157\_orientation C**

Date/Time: 4/14/2009 10:24:59 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 5785$  MHz;  $\sigma = 6.03$  mho/m;  $\epsilon_r = 48$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 20 degC; Liquid temperature: 21.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0\_802.11a\_CH157\_orientation C/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.75 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.392 mW/g; SAR(10 g) = 0.138 mW/g**

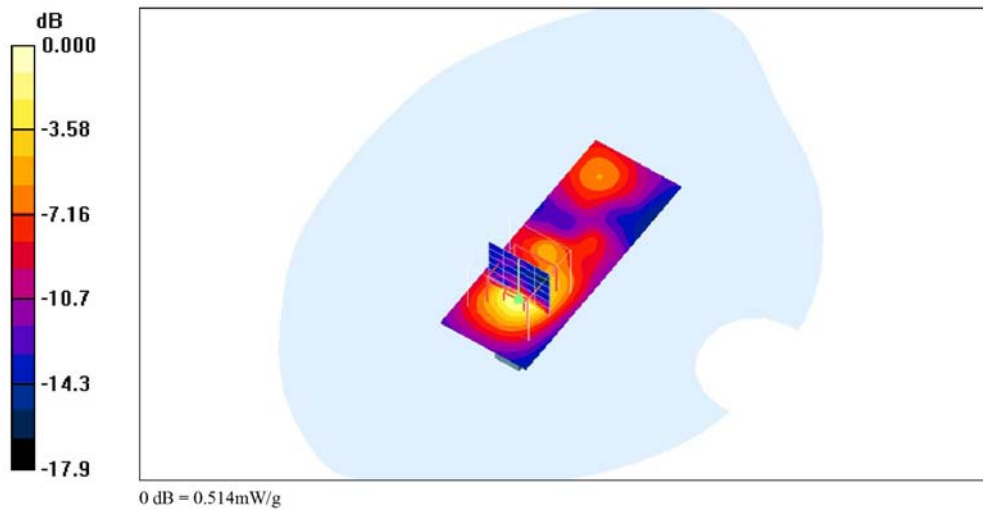
Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.514 mW/g

**Ant 0\_802.11a\_CH157\_orientation C/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.388 mW/g





**Ant 0\_802.11a\_CH157\_orientation D**

Date/Time: 4/14/2009 2:19:40 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 5785$  MHz;  $\sigma = 6.03$  mho/m;  $\epsilon_r = 48$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 20 degC; Liquid temperature: 21.5 degC;  
Phantom section: Flat Section

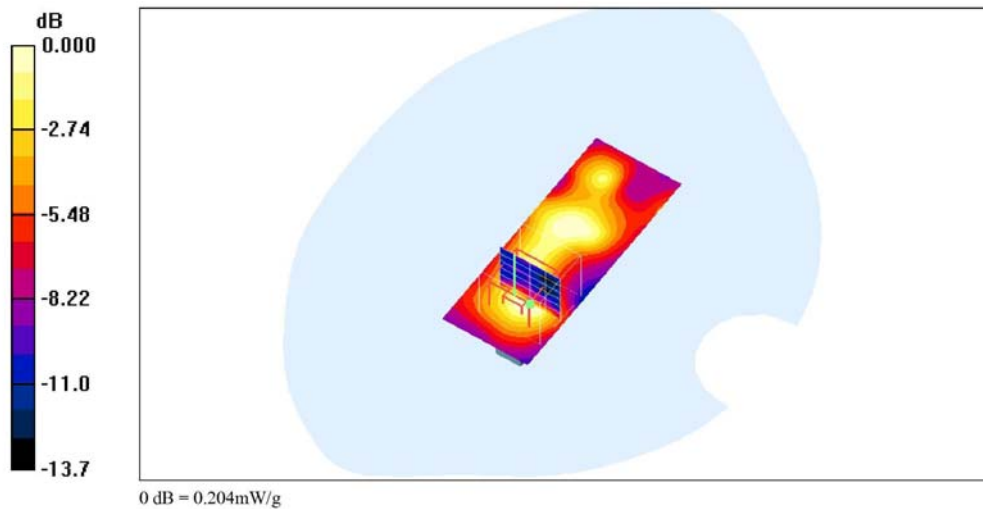
DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008  
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008  
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347  
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 0\_802.11a\_CH157\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 5.11 V/m; Power Drift = -0.038 dB  
Peak SAR (extrapolated) = 0.899 W/kg  
**SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.086 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 0.204 mW/g

**Ant 0\_802.11a\_CH157\_orientation D/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (interpolated) = 0.238 mW/g





**Ant 1\_802.11a\_CH40\_orientation A**

Date/Time: 5/23/2009 11:27:18 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

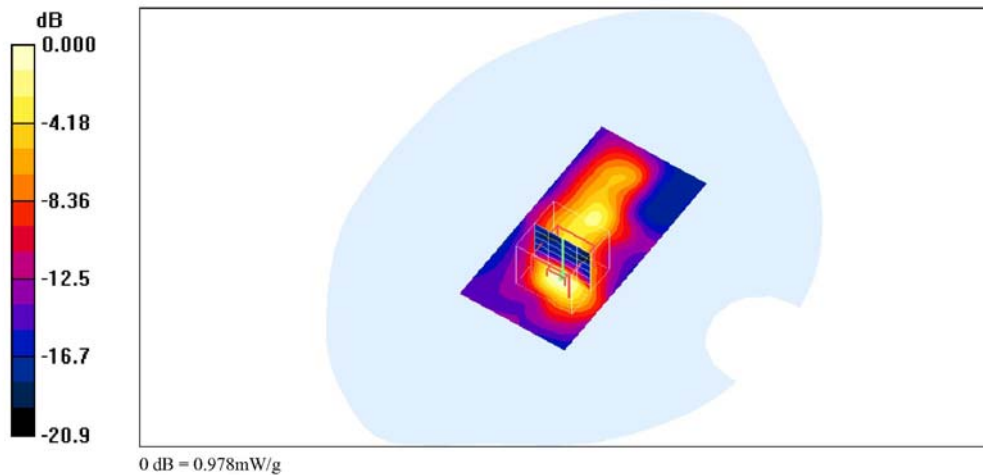
Communication System: IEEE 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.18$  mho/m;  $\epsilon_r = 49.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 22 degC; Liquid temperature: 22.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(4.08, 4.08, 4.08); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 1\_802.11a\_CH40\_orientation A/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.02 mW/g

**Ant 1\_802.11a\_CH40\_orientation A/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.80 V/m; Power Drift = 0.099 dB  
Peak SAR (extrapolated) = 6.03 W/kg  
**SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.399 mW/g**  
Maximum value of SAR (measured) = 0.978 mW/g





**Ant 1\_802.11a\_CH40\_orientation B**

Date/Time: 5/23/2009 4:31:03 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.18$  mho/m;  $\epsilon_r = 49.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 22 degC; Liquid temperature: 22.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(4.08, 4.08, 4.08); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 1\_802.11a\_CH40\_orientation B/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.72 V/m; Power Drift = 0.166 dB

Peak SAR (extrapolated) = 6.39 W/kg

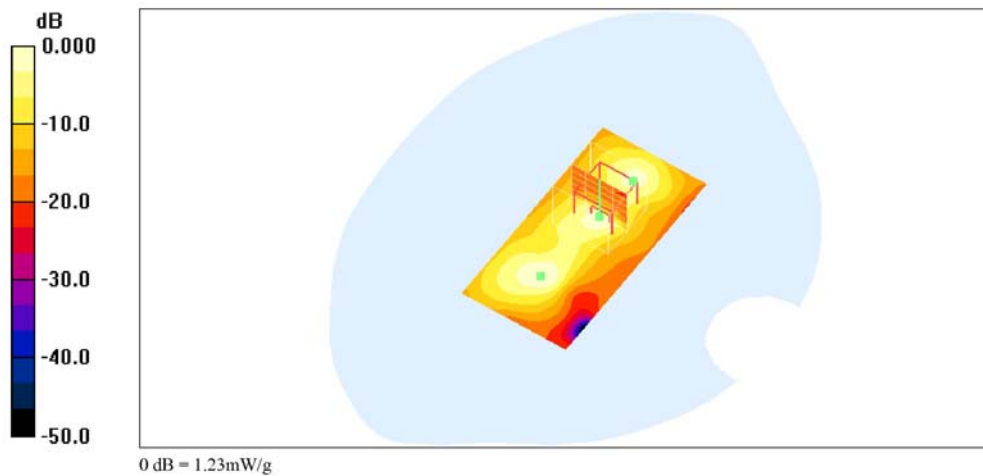
**SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.345 mW/g**

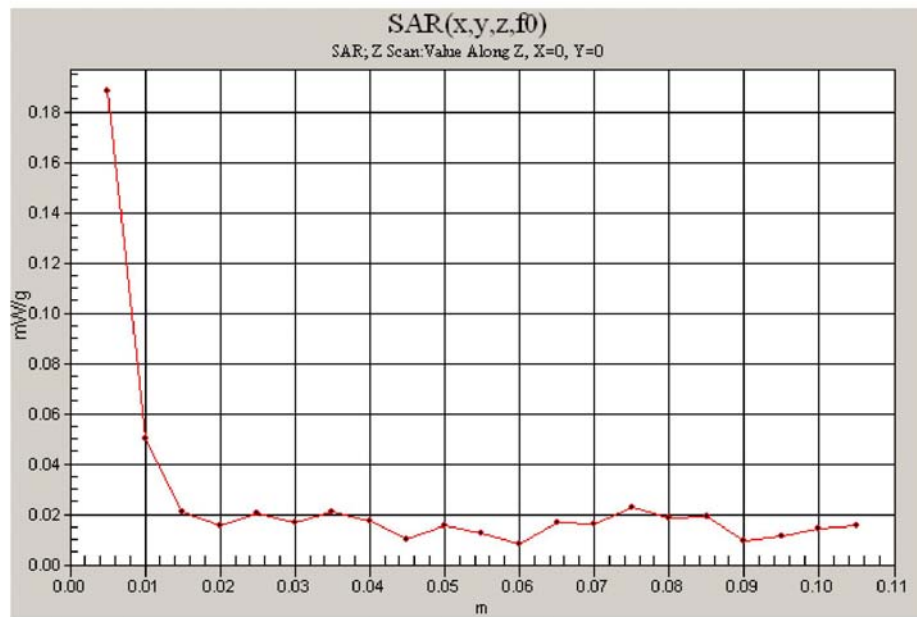
Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.

Maximum value of SAR (measured) = 1.23 mW/g

**Ant 1\_802.11a\_CH40\_orientation B/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.23 mW/g







**Ant 1\_802.11a\_CH40\_orientation C**

Date/Time: 5/24/2009 11:14:28 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

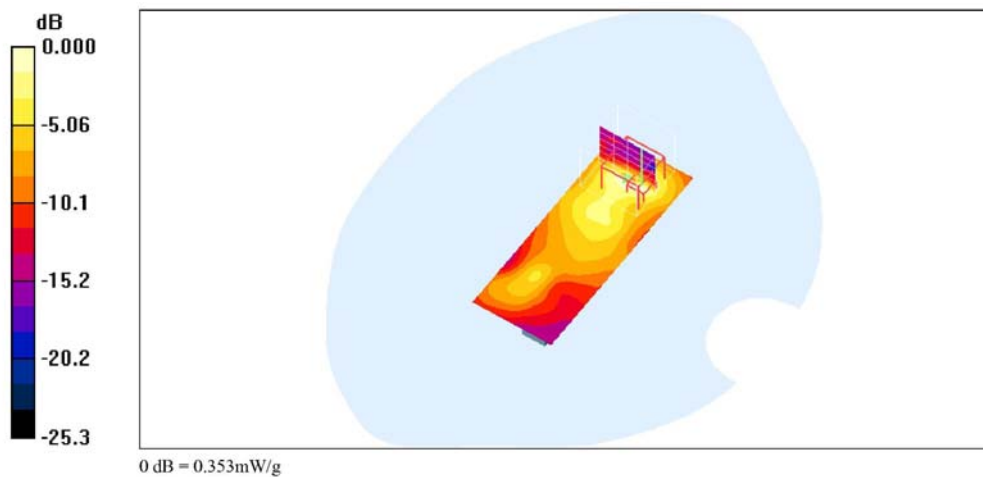
Communication System: IEEE 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.18$  mho/m;  $\epsilon_r = 49.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 21 degC; Liquid temperature: 22.3 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(4.08, 4.08, 4.08); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 1\_802.11a\_CH40\_orientation C/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.315 mW/g

**Ant 1\_802.11a\_CH40\_orientation C/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 4.75 V/m; Power Drift = 0.125 dB  
Peak SAR (extrapolated) = 0.622 W/kg  
**SAR(1 g) = 0.250 mW/g; SAR(10 g) = 0.100 mW/g**  
Maximum value of SAR (measured) = 0.353 mW/g





**Ant 1\_802.11a\_CH40\_orientation D**

Date/Time: 5/24/2009 7:40:04 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.18$  mho/m;  $\epsilon_r = 49.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 21 degC; Liquid temperature: 22.3 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(4.08, 4.08, 4.08); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 1\_802.11a\_CH40\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.86 V/m; Power Drift = 0.117 dB

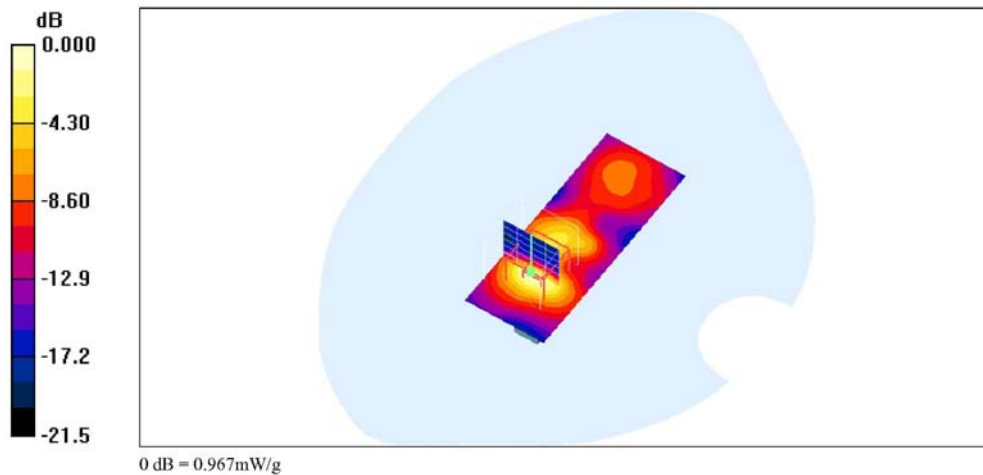
Peak SAR (extrapolated) = 2.29 W/kg

**SAR(1 g) = 0.832 mW/g; SAR(10 g) = 0.292 mW/g**

Maximum value of SAR (measured) = 0.967 mW/g

**Ant 1\_802.11a\_CH40\_orientation D/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.877 mW/g





**Ant 1\_802.11a\_CH44\_orientation A**

Date/Time: 4/13/2009 11:02:05 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

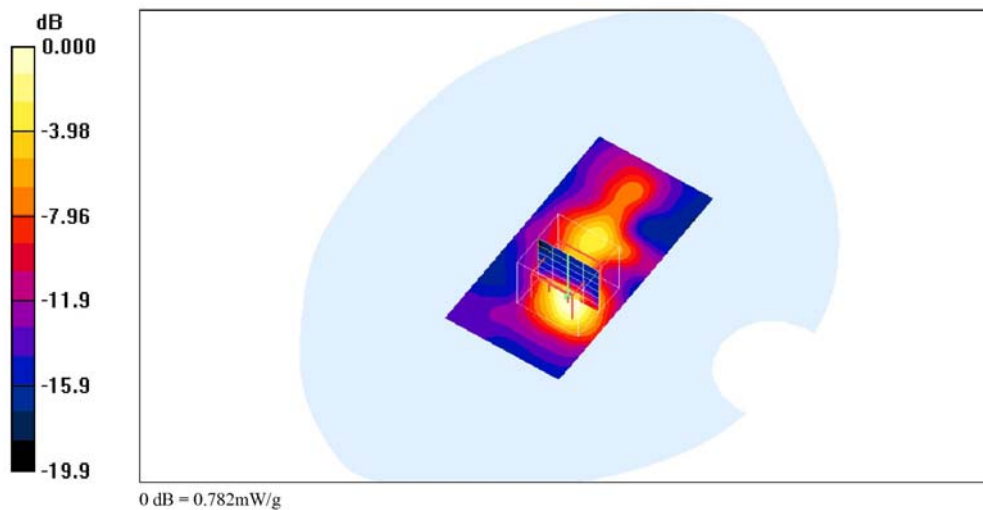
Communication System: IEEE 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5220$  MHz;  $\sigma = 5.21$  mho/m;  $\epsilon_r = 49.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 20 degC; Liquid temperature: 21.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(4.08, 4.08, 4.08); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 1\_802.11a\_CH44\_orientation A/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.839 mW/g

**Ant 1\_802.11a\_CH44\_orientation A/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.48 V/m; Power Drift = -0.136 dB  
Peak SAR (extrapolated) = 1.74 W/kg  
**SAR(1 g) = 0.607 mW/g; SAR(10 g) = 0.221 mW/g**  
Maximum value of SAR (measured) = 0.782 mW/g





**Ant 1\_802.11a\_CH44\_orientation B**

Date/Time: 4/13/2009 4:53:36 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5220$  MHz;  $\sigma = 5.21$  mho/m;  $\epsilon_r = 49.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 20 degC; Liquid temperature: 21.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(4.08, 4.08, 4.08); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Ant 1\_802.11a\_CH44\_orientation B/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.38 V/m; Power Drift = -0.187 dB

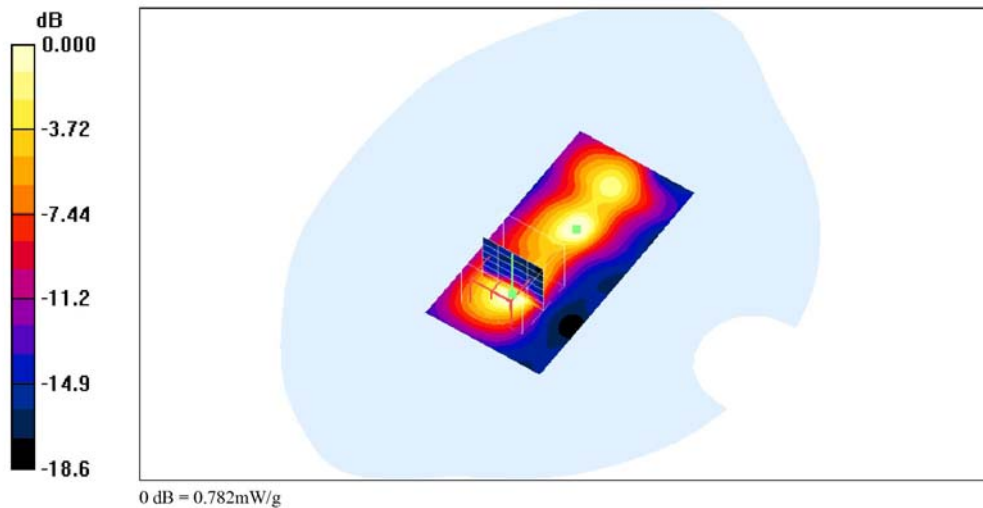
Peak SAR (extrapolated) = 1.71 W/kg

**SAR(1 g) = 0.632 mW/g; SAR(10 g) = 0.219 mW/g**

Maximum value of SAR (measured) = 0.782 mW/g

**Ant 1\_802.11a\_CH44\_orientation B/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.962 mW/g





Ant 1\_802.11a\_CH44\_orientation C

Date/Time: 4/14/2009 10:40:21 AM

Test Laboratory: Electronics Testing Center, Taiwan

DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5220$  MHz;  $\sigma = 5.21$  mho/m;  $\epsilon_r = 49.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 21 degC; Liquid temperature: 22.3 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(4.08, 4.08, 4.08); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ant 1\_802.11a\_CH44\_orientation C/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.102 mW/g

Ant 1\_802.11a\_CH44\_orientation C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.56 V/m; Power Drift = -0.052 dB  
Peak SAR (extrapolated) = 0.369 W/kg  
SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.046 mW/g  
Maximum value of SAR (measured) = 0.105 mW/g

