



**Ant 0\_802.11a\_CH120\_orientation B**

Date/Time: 4/13/2009 4:15:54 PM

Test Laboratory: Electronics Testing Center, Taiwan

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

Communication System: IEEE 802.11a; Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.78$  mho/m;  $\epsilon_r = 48.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 20 degC; Liquid temperature: 21.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(3.86, 3.86, 3.86); 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\_CH120\_orientation B/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.26 V/m; Power Drift = -0.176 dB

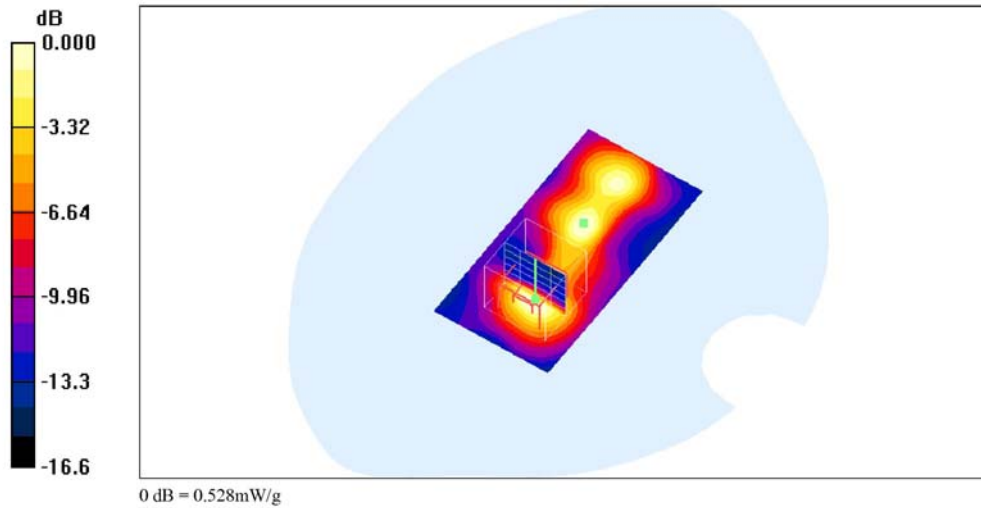
Peak SAR (extrapolated) = 1.27 W/kg

**SAR(1 g) = 0.467 mW/g; SAR(10 g) = 0.178 mW/g**

Maximum value of SAR (measured) = 0.528 mW/g

**Ant 0\_802.11a\_CH120\_orientation B/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.622 mW/g





**Ant\_0\_802.11a\_CH120\_orientation C**

Date/Time: 4/14/2009 10:12:30 AM

Test Laboratory: Electronics Testing Center, Taiwan

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

Communication System: IEEE 802.11a; Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.78$  mho/m;  $\epsilon_r = 48.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 20 degC; Liquid temperature: 21.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(3.86, 3.86, 3.86); 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\_CH120\_orientation C/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.69 V/m; Power Drift = 0.110 dB

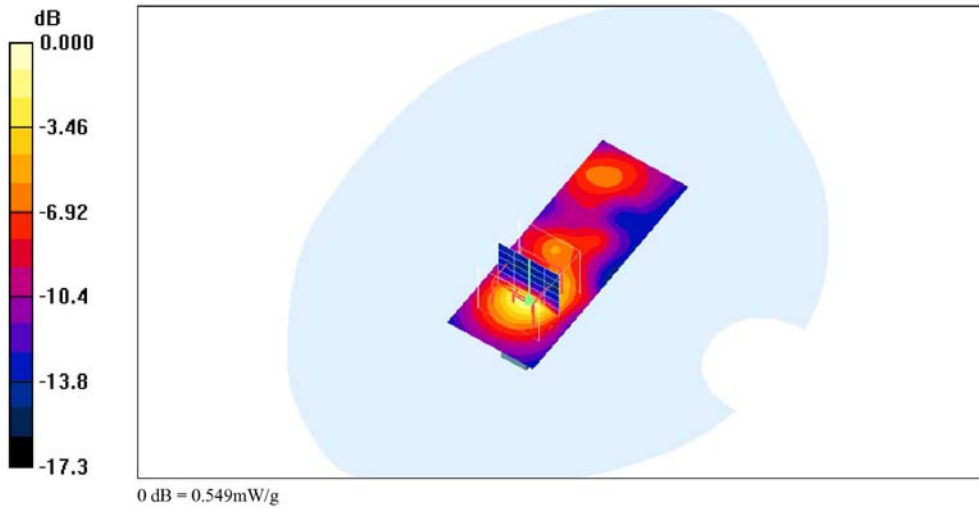
Peak SAR (extrapolated) = 1.17 W/kg

**SAR(1 g) = 0.424 mW/g; SAR(10 g) = 0.156 mW/g**

Maximum value of SAR (measured) = 0.549 mW/g

**Ant\_0\_802.11a\_CH120\_orientation C/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.379 mW/g





**Ant 0\_802.11a\_CH120\_orientation D**

Date/Time: 4/14/2009 2:05:09 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: USB dongle; Type: WND3100V2; Serial: N/A**

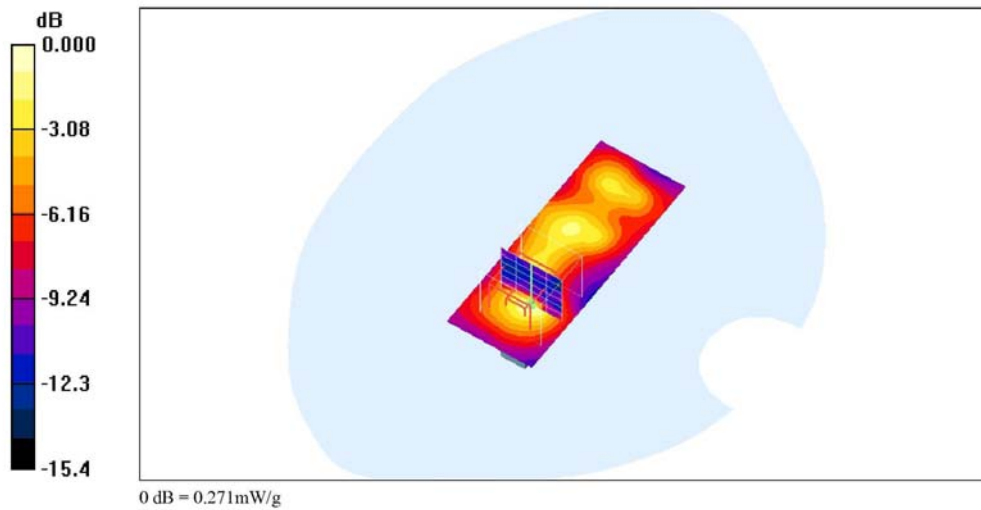
Communication System: IEEE 802.11a; Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.78$  mho/m;  $\epsilon_r = 48.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 20 degC; Liquid temperature: 21.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(3.86, 3.86, 3.86); 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\_CH120\_orientation D/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.237 mW/g

**Ant 0\_802.11a\_CH120\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 5.15 V/m; Power Drift = -0.123 dB  
Peak SAR (extrapolated) = 0.834 W/kg  
**SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.079 mW/g**  
Maximum value of SAR (measured) = 0.271 mW/g





**Ant 0\_802.11a\_CH140\_orientation A**

Date/Time: 5/23/2009 11:04:43 AM

Test Laboratory: Electronics Testing Center, Taiwan

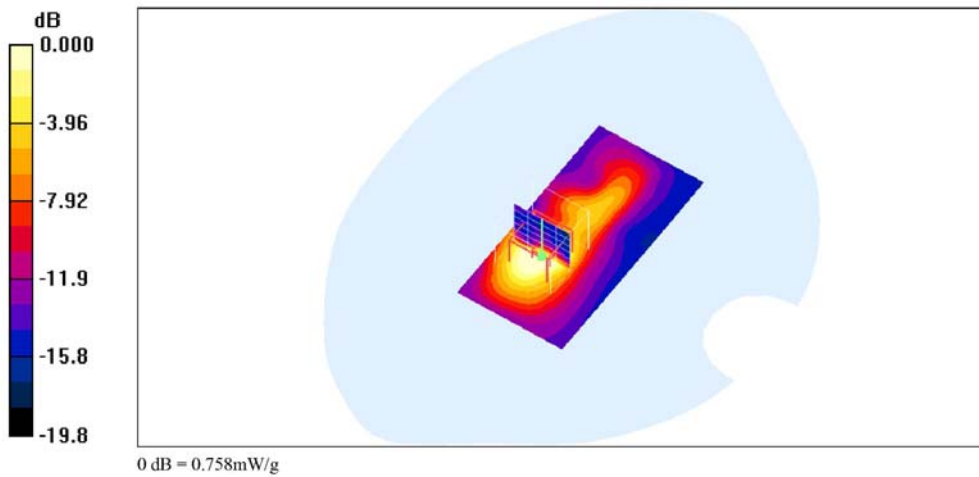
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

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: 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\_CH140\_orientation A/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.13 V/m; Power Drift = 0.177 dB  
Peak SAR (extrapolated) = 1.93 W/kg  
**SAR(1 g) = 0.706 mW/g; SAR(10 g) = 0.279 mW/g**  
Maximum value of SAR (measured) = 0.758 mW/g

**Ant 0\_802.11a\_CH140\_orientation A/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.07 mW/g





**Ant 0\_802.11a\_CH140\_orientation B**

Date/Time: 5/23/2009 3:59:49 PM

Test Laboratory: Electronics Testing Center, Taiwan

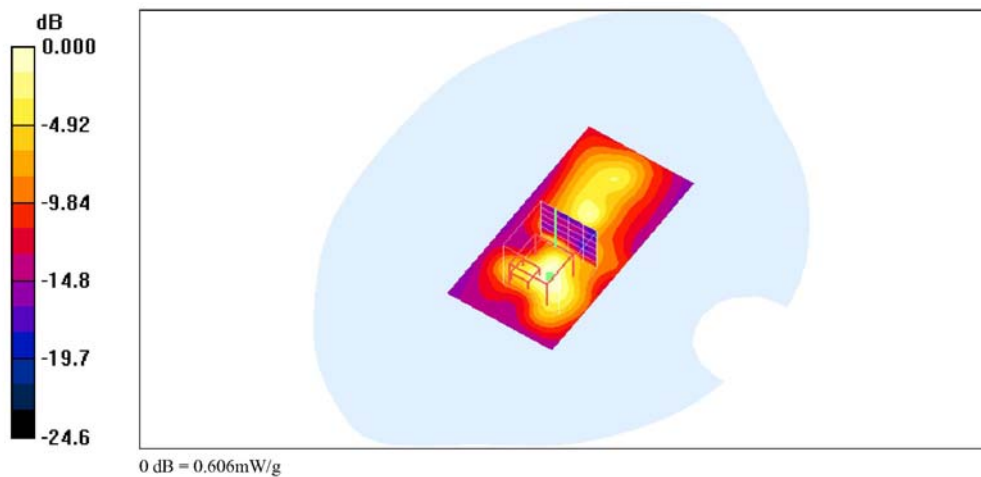
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

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: 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\_CH140\_orientation B/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.594 mW/g

**Ant 0\_802.11a\_CH140\_orientation B/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.76 V/m; Power Drift = 0.087 dB  
Peak SAR (extrapolated) = 1.37 W/kg  
**SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.127 mW/g**  
Maximum value of SAR (measured) = 0.606 mW/g





**Ant 0\_802.11a\_CH140\_orientation C**

Date/Time: 5/24/2009 10:53:49 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\_CH140\_orientation C/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.34 V/m; Power Drift = 0.117 dB

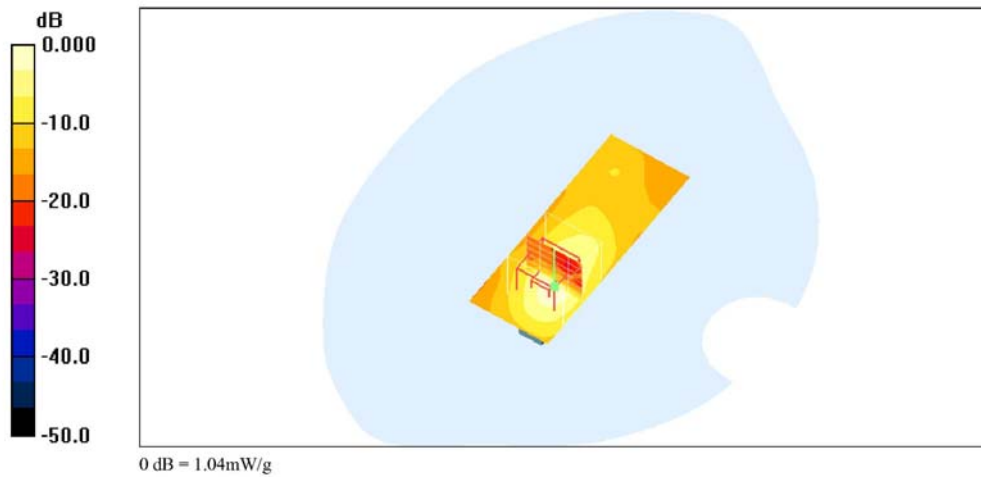
Peak SAR (extrapolated) = 2.79 W/kg

**SAR(1 g) = 0.966 mW/g; SAR(10 g) = 0.333 mW/g**

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

**Ant 0\_802.11a\_CH140\_orientation C/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.902 mW/g





**Ant\_0\_802.11a\_CH140\_orientation D**

Date/Time: 5/24/2009 3:35:37 PM

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

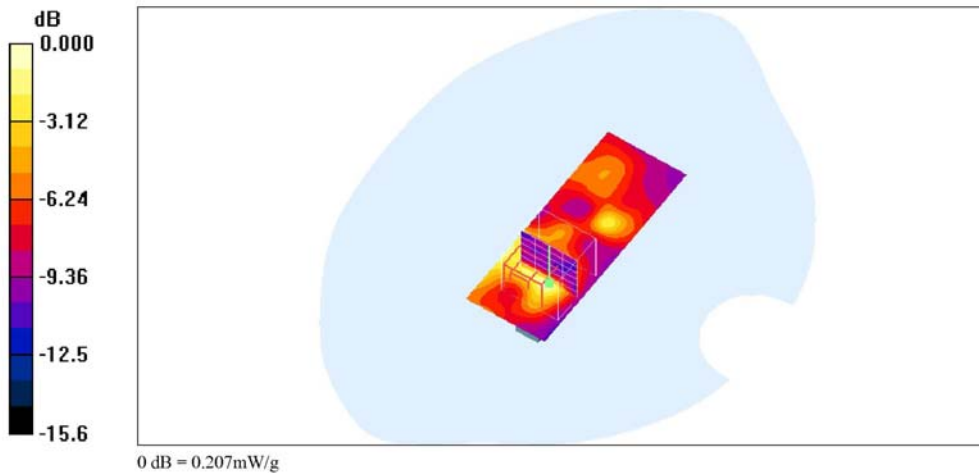
DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008  
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008  
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347  
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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

**Ant\_0\_802.11a\_CH140\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 2.67 V/m; Power Drift = 0.18 dB  
Peak SAR (extrapolated) = 0.482 W/kg  
**SAR(1 g) = 0.169 mW/g; SAR(10 g) = 0.070 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) = 0.207 mW/g

**Ant\_0\_802.11a\_CH140\_orientation D/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.193 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

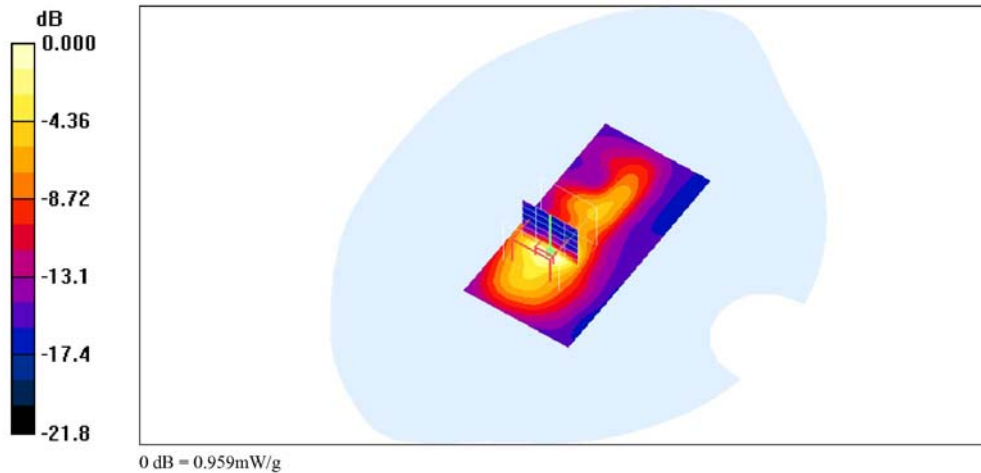
DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008  
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008  
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347  
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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

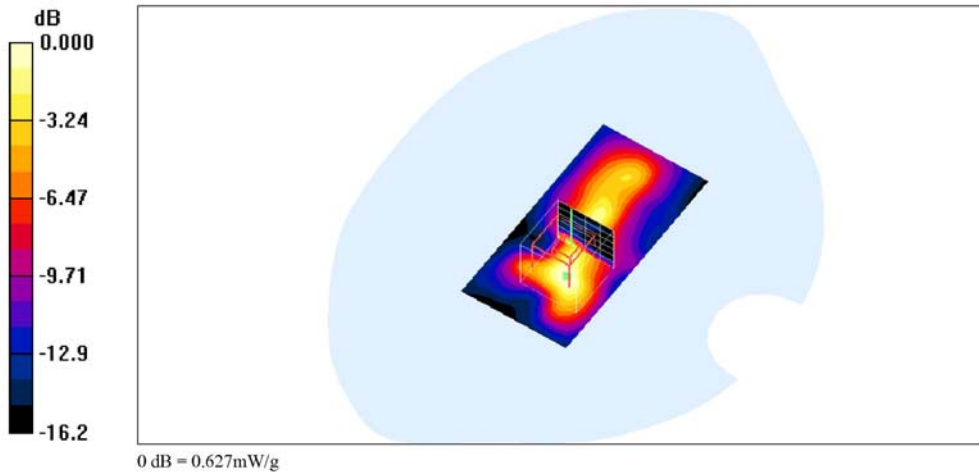
Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (interpolated) = 0.627 mW/g

**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

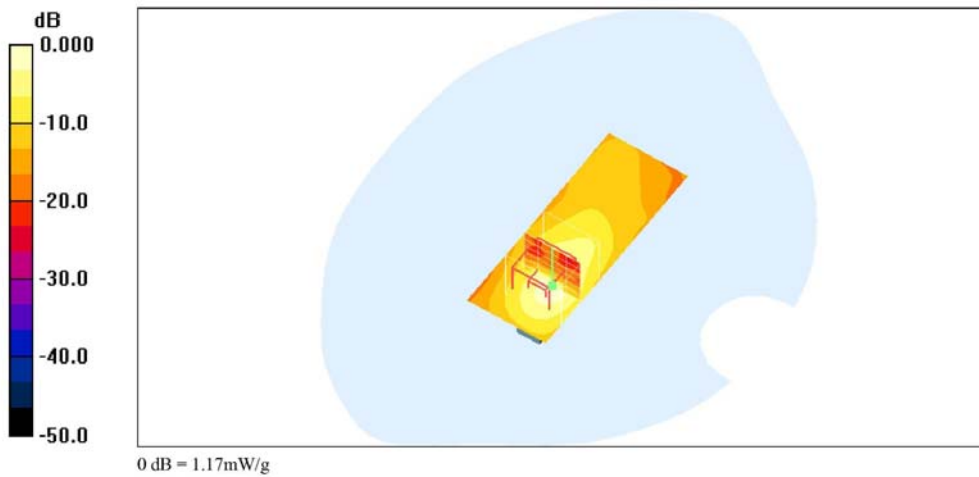
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

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

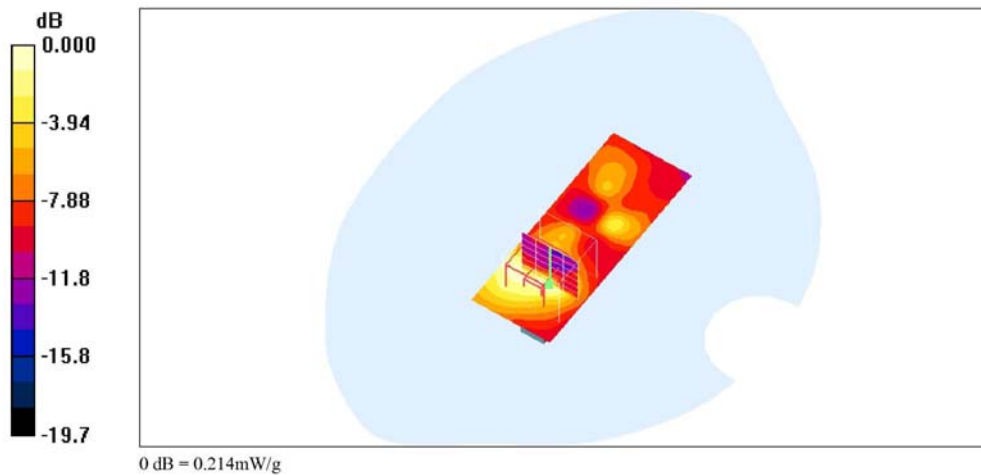
**Ant\_0\_802.11a\_CH149\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 2.70 V/m; Power Drift = 0.191 dB  
Peak SAR (extrapolated) = 0.728 W/kg  
**SAR(1 g) = 0.191 mW/g; SAR(10 g) = 0.082 mW/g**

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

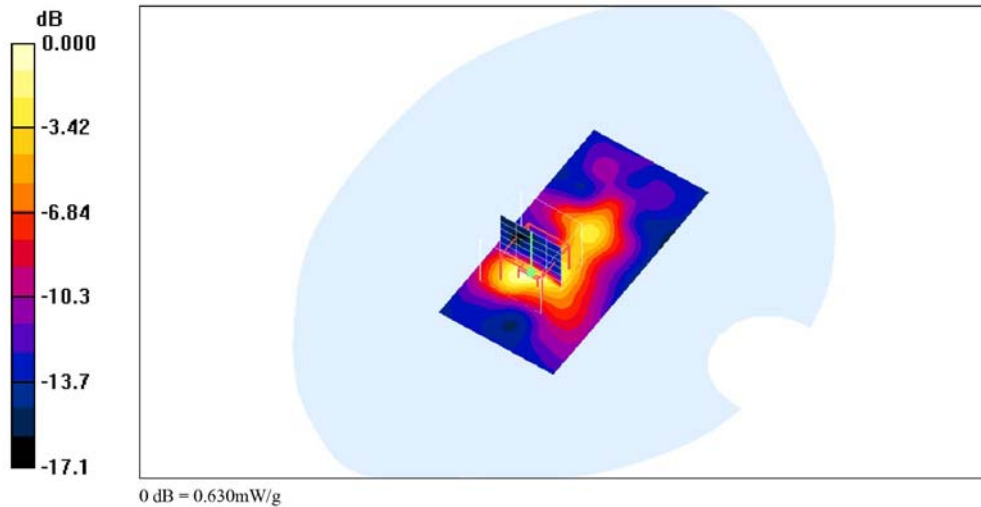
DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008  
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008  
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347  
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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

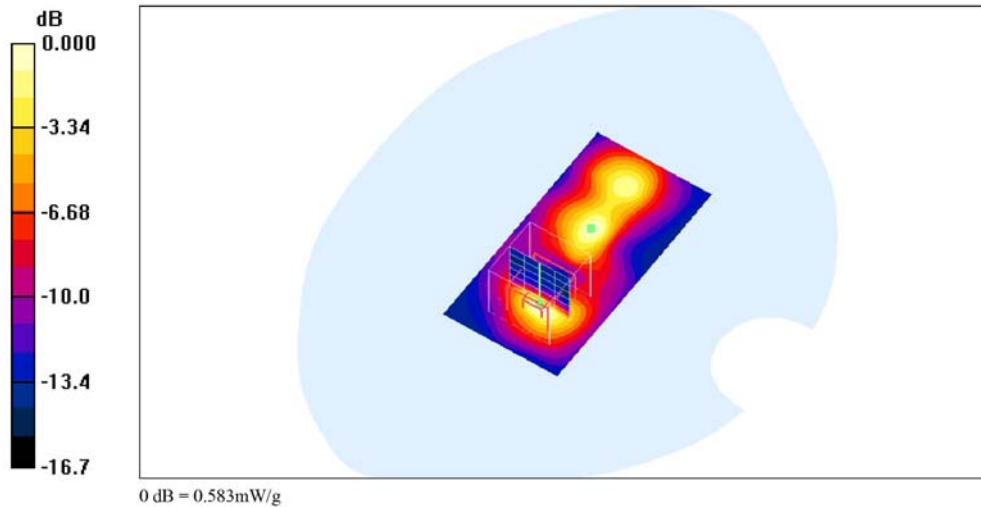
DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008  
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008  
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347  
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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

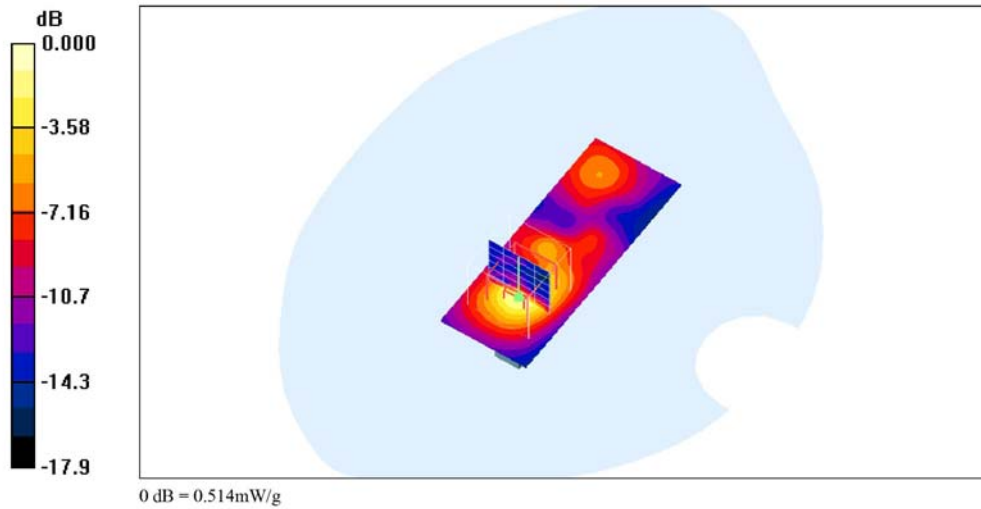
DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008  
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008  
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347  
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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

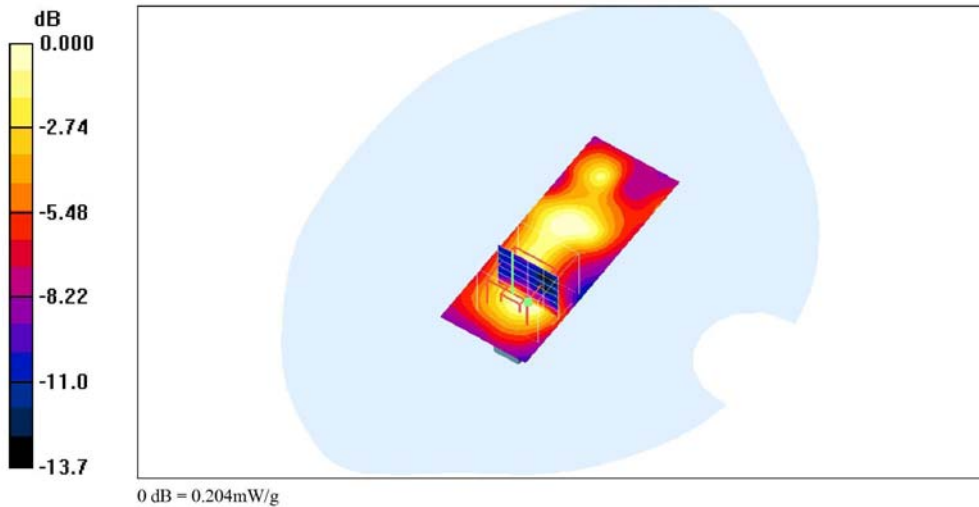
DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008  
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008  
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347  
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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

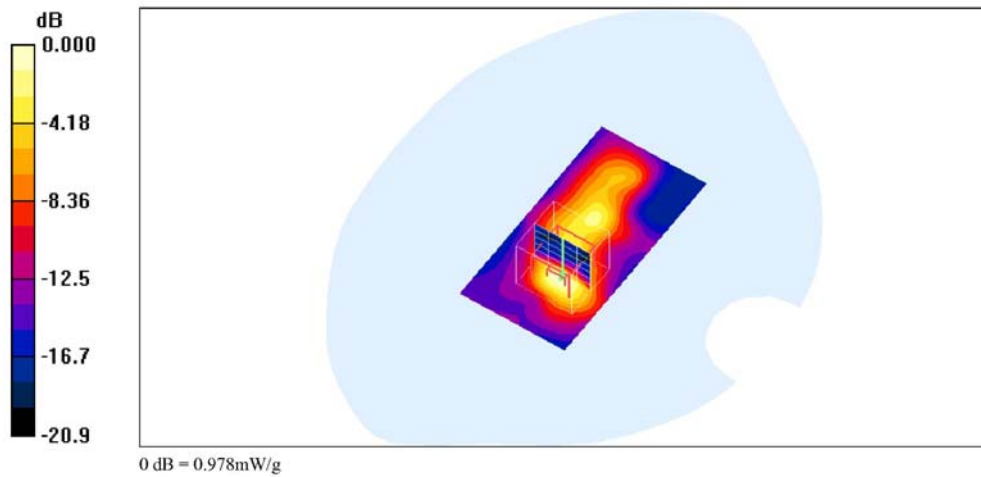
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

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

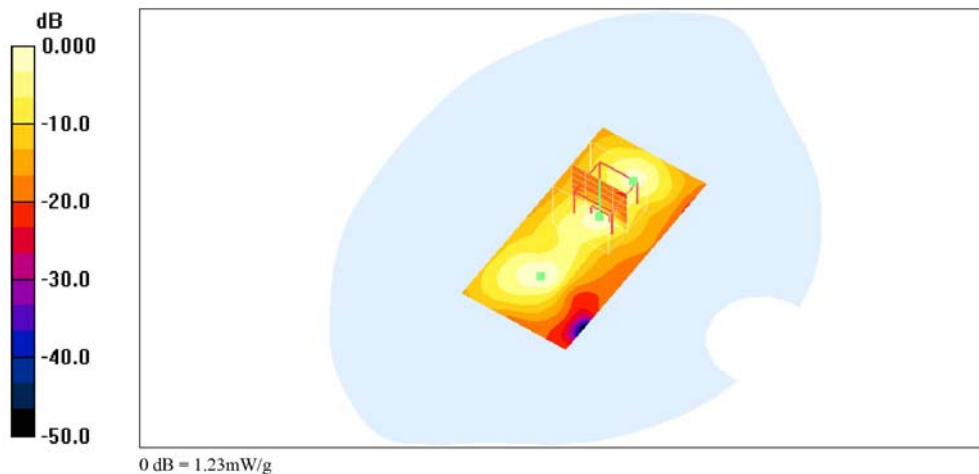
**SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.345 mW/g**

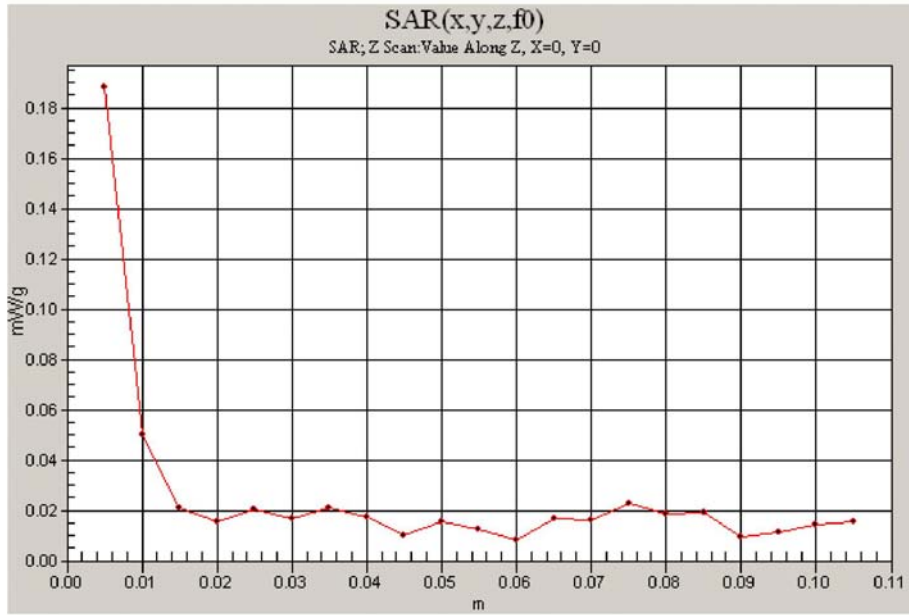
Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.

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

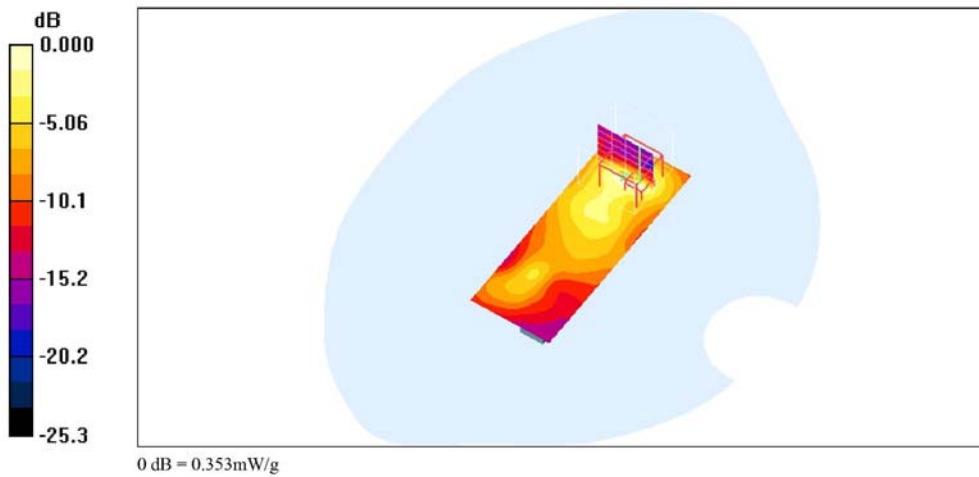
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

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

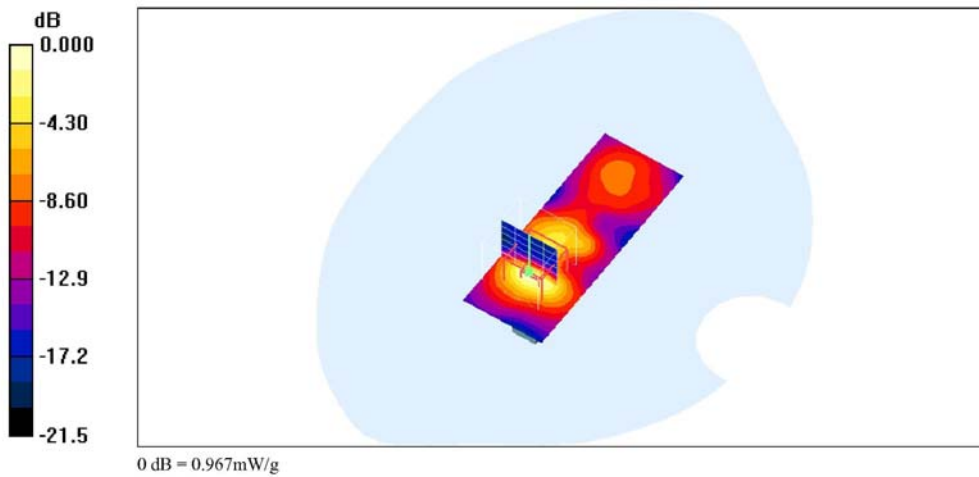
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

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

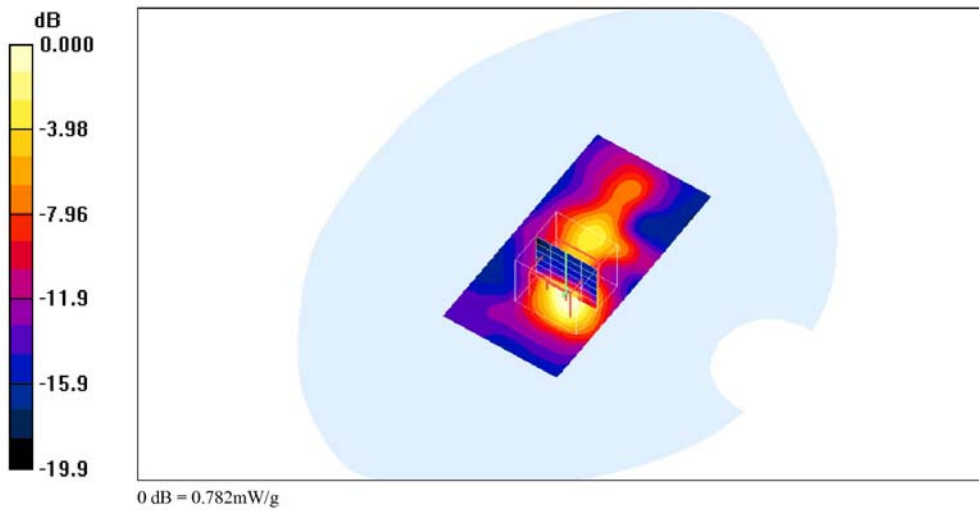
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

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

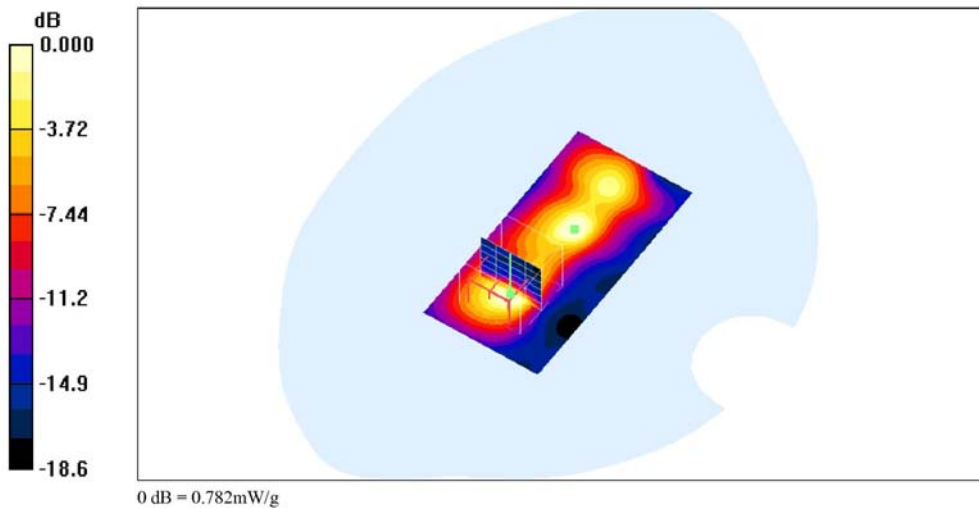
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

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**

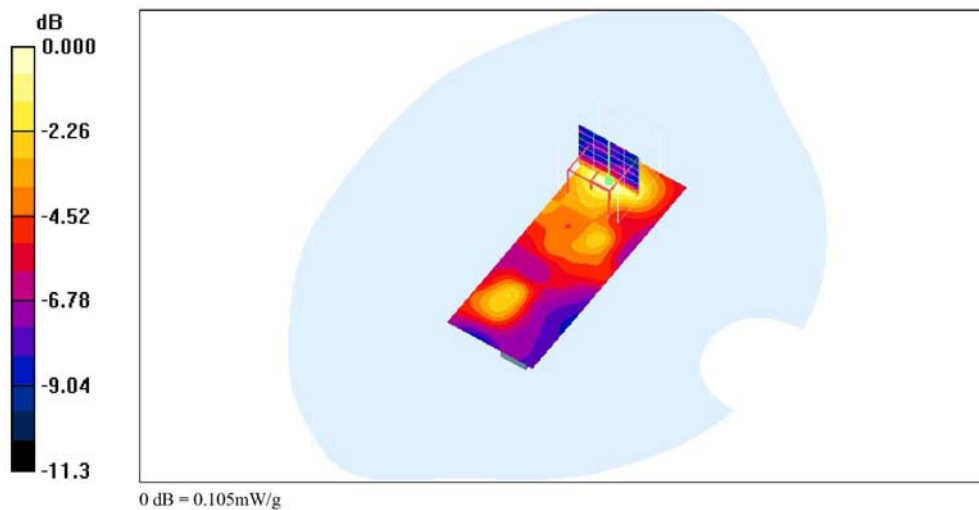
Communication System: IEEE 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5220$  MHz;  $\sigma = 5.21$  mho/m;  $\epsilon_r = 49.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 21 degC; Liquid temperature: 22.3 degC;  
Phantom section: Flat Section

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





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

Date/Time: 4/14/2009 2:44:54 PM

Test Laboratory: Electronics Testing Center, Taiwan

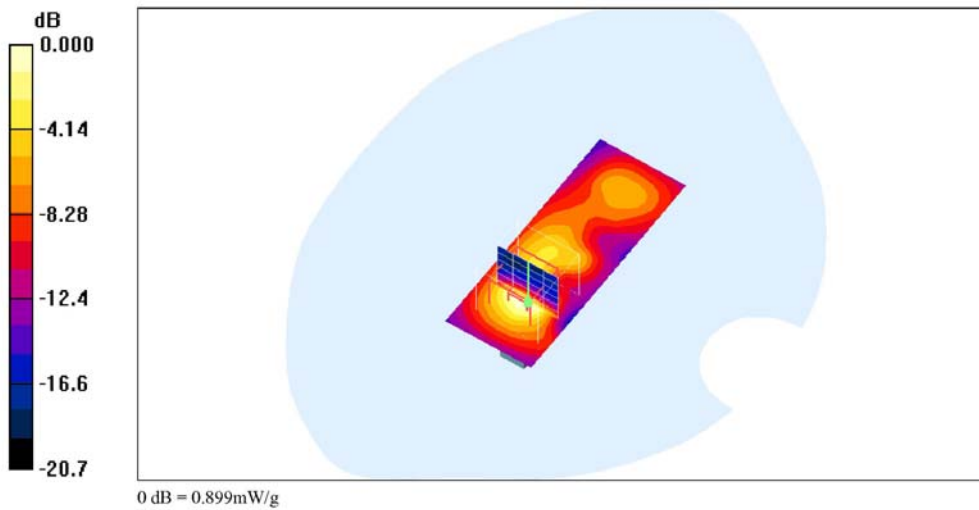
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

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 1\_802.11a\_CH44\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.20 V/m; Power Drift = 0.021 dB  
Peak SAR (extrapolated) = 6.07 W/kg  
**SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.357 mW/g**  
Maximum value of SAR (measured) = 0.899 mW/g

**Ant 1\_802.11a\_CH44\_orientation D/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.815 mW/g





**Ant 1\_802.11a\_CH52\_orientation A**

Date/Time: 4/13/2009 11:15:05 AM

Test Laboratory: Electronics Testing Center, Taiwan

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

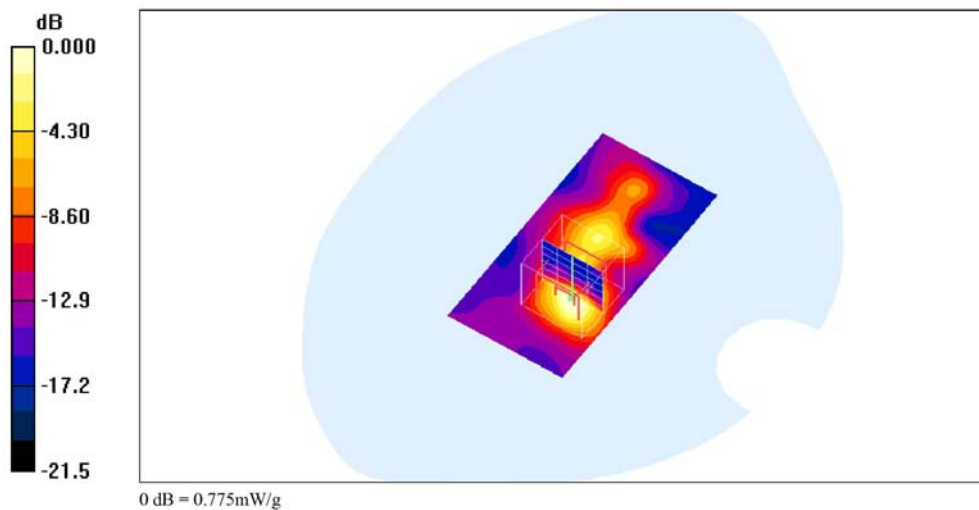
Communication System: IEEE 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.27$  mho/m;  $\epsilon_r = 49.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 20 degC; Liquid temperature: 21.5 degC;  
Phantom section: Flat Section

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\_CH52\_orientation A/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.866 mW/g

**Ant 1\_802.11a\_CH52\_orientation A/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.49 V/m; Power Drift = 0.172 dB  
Peak SAR (extrapolated) = 1.76 W/kg  
**SAR(1 g) = 0.649 mW/g; SAR(10 g) = 0.244 mW/g**  
Maximum value of SAR (measured) = 0.775 mW/g





**Ant 1\_802.11a\_CH52\_orientation B**

Date/Time: 4/13/2009 5:02:50 PM

Test Laboratory: Electronics Testing Center, Taiwan

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

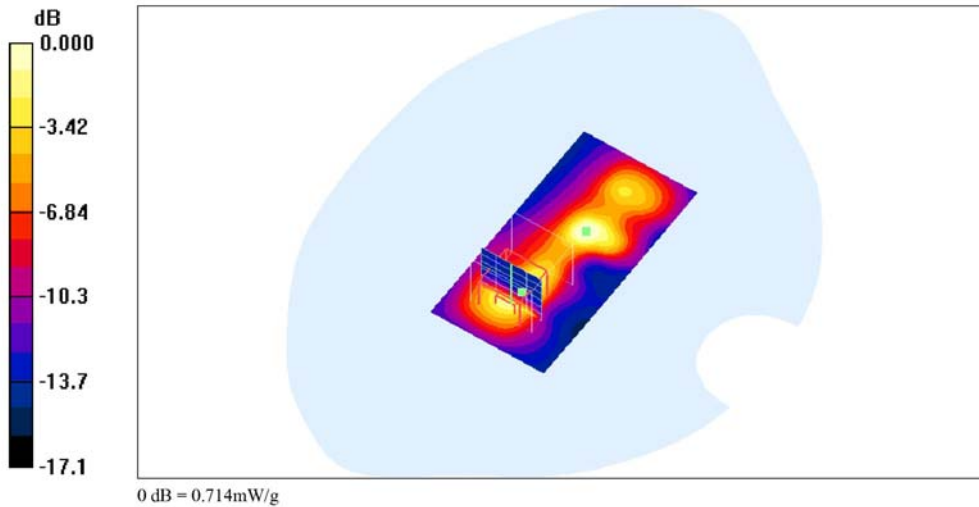
Communication System: IEEE 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.27$  mho/m;  $\epsilon_r = 49.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 20 degC; Liquid temperature: 21.5 degC;  
Phantom section: Flat Section

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\_CH52\_orientation B/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.748 mW/g

**Ant 1\_802.11a\_CH52\_orientation B/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.67 V/m; Power Drift = 0.123 dB  
Peak SAR (extrapolated) = 1.61 W/kg  
**SAR(1 g) = 0.608 mW/g; SAR(10 g) = 0.228 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) = 0.714 mW/g





Ant 1\_802.11a\_CH52\_orientation C

Date/Time: 4/14/2009 10:57:21 AM

Test Laboratory: Electronics Testing Center, Taiwan

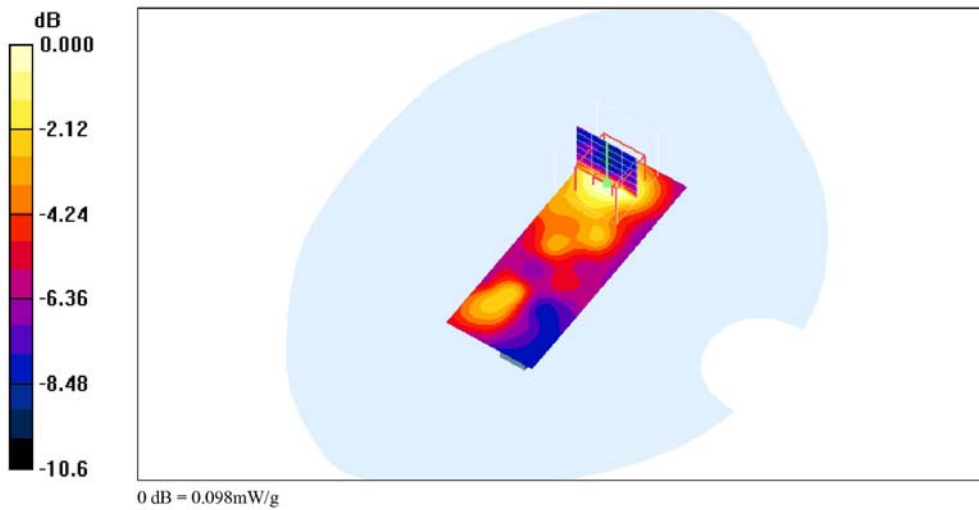
DUT: USB dongle; Type: WND3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.27$  mho/m;  $\epsilon_r = 49.1$ ;  $\rho = 1000$  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\_CH52\_orientation C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.37 V/m; Power Drift = 0.050 dB  
Peak SAR (extrapolated) = 0.373 W/kg  
SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.048 mW/g  
Maximum value of SAR (measured) = 0.098 mW/g

Ant 1\_802.11a\_CH52\_orientation C/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.109 mW/g





**Ant 1\_802.11a\_CH52\_orientation D**

Date/Time: 4/14/2009 2:57:25 PM

Test Laboratory: Electronics Testing Center, Taiwan

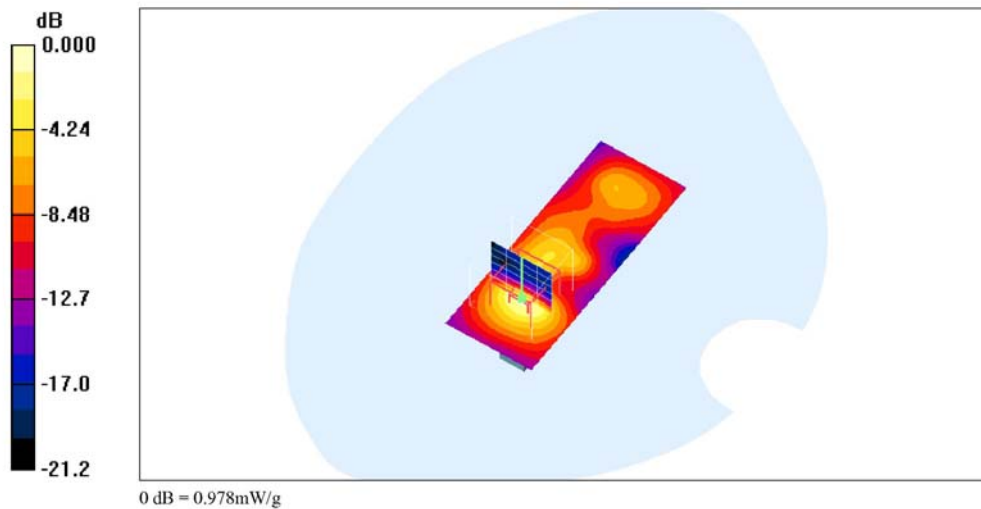
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**  
**Program Name: Unnamed Program**

Communication System: IEEE 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.27$  mho/m;  $\epsilon_r = 49.1$ ;  $\rho = 1000$  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\_CH52\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.17 V/m; Power Drift = 0.031 dB  
Peak SAR (extrapolated) = 2.19 W/kg  
**SAR(1 g) = 0.785 mW/g; SAR(10 g) = 0.284 mW/g**  
Maximum value of SAR (measured) = 0.978 mW/g

**Ant 1\_802.11a\_CH52\_orientation D/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.764 mW/g





**Ant 1\_802.11a\_CH60\_orientation A**

Date/Time: 5/23/2009 11:40:28 AM

Test Laboratory: Electronics Testing Center, Taiwan

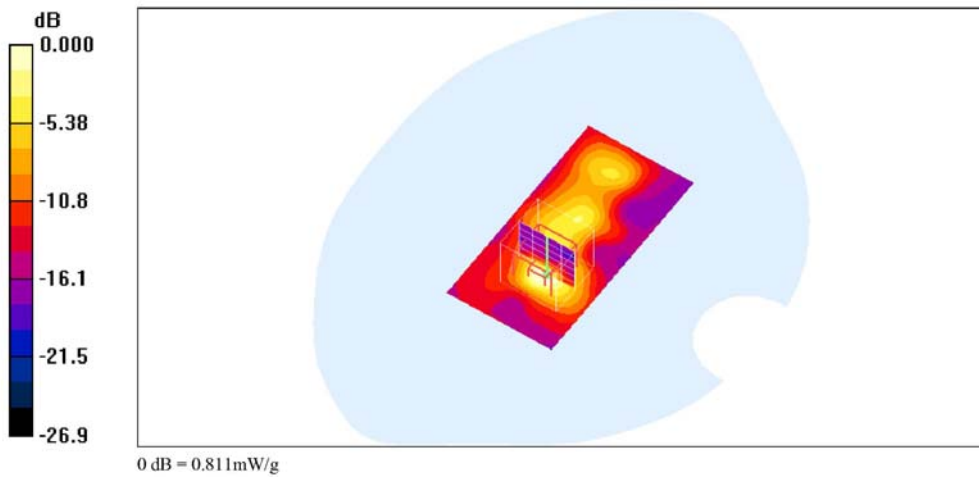
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5300 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.33$  mho/m;  $\epsilon_r = 49$ ;  $\rho = 1000$  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\_CH60\_orientation A/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.945 mW/g

**Ant 1\_802.11a\_CH60\_orientation A/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.93 V/m; Power Drift = 0.132 dB  
Peak SAR (extrapolated) = 1.64 W/kg  
**SAR(1 g) = 0.600 mW/g; SAR(10 g) = 0.207 mW/g**  
Maximum value of SAR (measured) = 0.811 mW/g







**Ant 1\_802.11a\_CH60\_orientation B**

Date/Time: 5/23/2009 4:47:11 PM

Test Laboratory: Electronics Testing Center, Taiwan

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

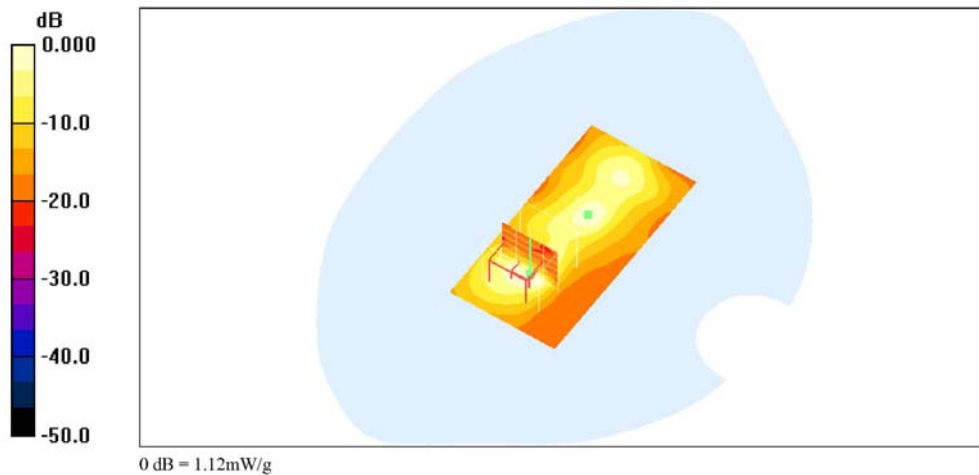
Communication System: IEEE 802.11a; Frequency: 5300 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.33$  mho/m;  $\epsilon_r = 49$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 22 degC; Liquid temperature: 22.5 degC;  
Phantom section: Flat Section

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\_CH60\_orientation B/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.36 mW/g

**Ant 1\_802.11a\_CH60\_orientation B/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.84 V/m; Power Drift = 0.146 dB  
Peak SAR (extrapolated) = 2.35 W/kg  
**SAR(1 g) = 0.862 mW/g; SAR(10 g) = 0.292 mW/g**  
Maximum value of SAR (measured) = 1.12 mW/g





Ant 1\_802.11a\_CH60\_orientation C

Date/Time: 5/24/2009 11:56:37 AM

Test Laboratory: Electronics Testing Center, Taiwan

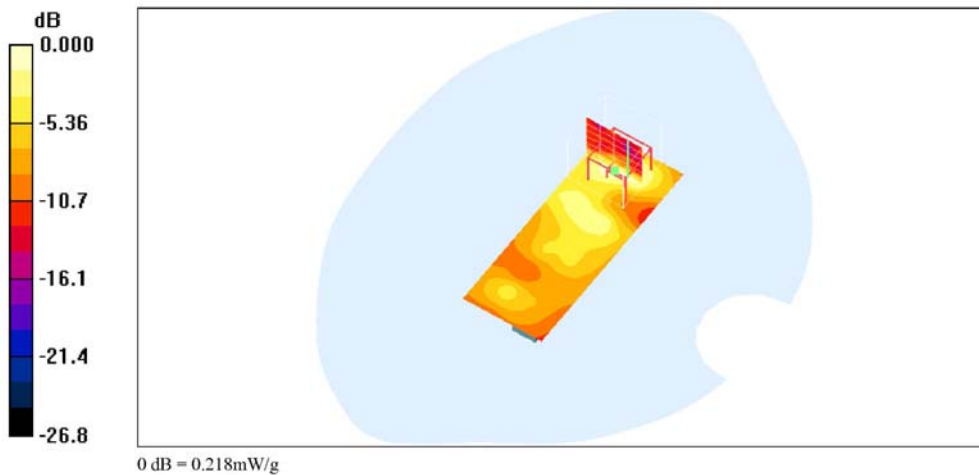
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5300 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.33$  mho/m;  $\epsilon_r = 49$ ;  $\rho = 1000$  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\_CH60\_orientation C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.25 V/m; Power Drift = 0.021 dB  
Peak SAR (extrapolated) = 0.933 W/kg  
SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.084 mW/g  
Maximum value of SAR (measured) = 0.218 mW/g

Ant 1\_802.11a\_CH60\_orientation C/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.196 mW/g





**Ant 1\_802.11a\_CH60\_orientation D**

Date/Time: 5/24/2009 7:28:32 PM

Test Laboratory: Electronics Testing Center, Taiwan

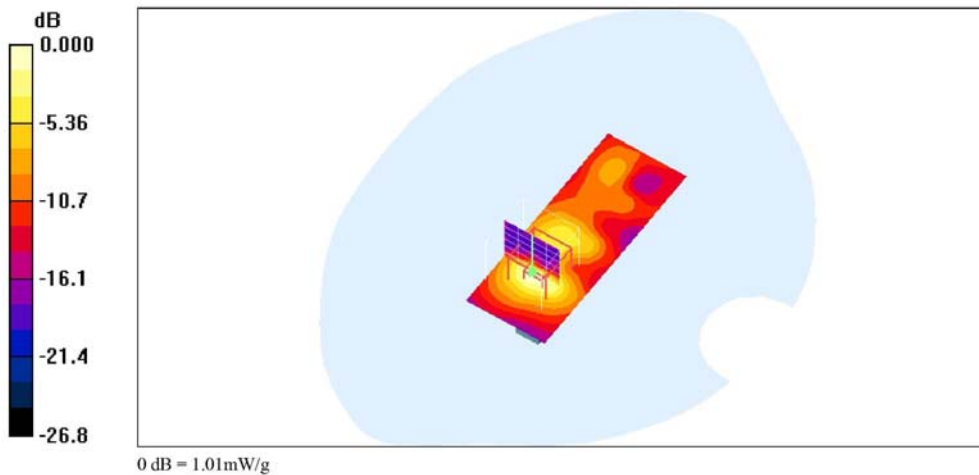
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5300 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.33$  mho/m;  $\epsilon_r = 49$ ;  $\rho = 1000$  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\_CH60\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.07 V/m; Power Drift = 0.190 dB  
Peak SAR (extrapolated) = 2.40 W/kg  
**SAR(1 g) = 0.865 mW/g; SAR(10 g) = 0.303 mW/g**  
Maximum value of SAR (measured) = 1.01 mW/g

**Ant 1\_802.11a\_CH60\_orientation D/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.929 mW/g





**Ant 1\_802.11a\_CH104\_orientation A**

Date/Time: 5/23/2009 11:54:05 AM

Test Laboratory: Electronics Testing Center, Taiwan

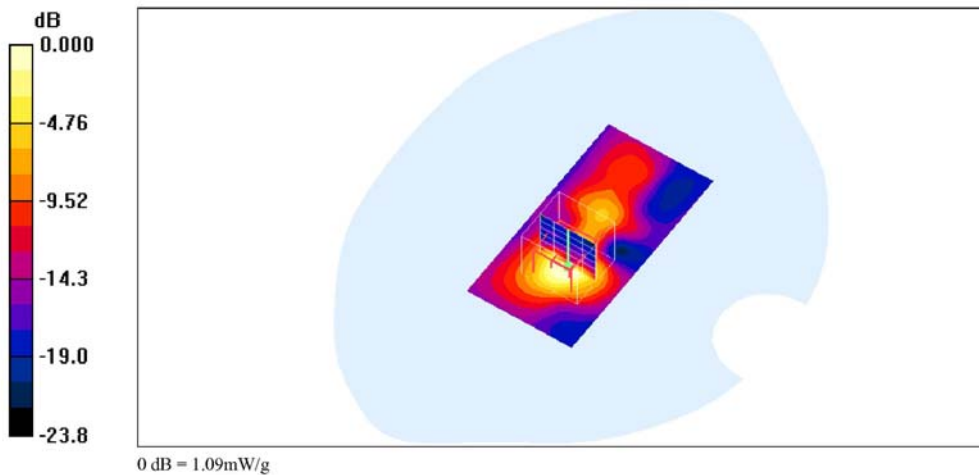
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5520 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5520$  MHz;  $\sigma = 5.66$  mho/m;  $\epsilon_r = 48.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 22 degC; Liquid temperature: 22.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.86, 3.86, 3.86); 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\_CH104\_orientation A/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.26 mW/g

**Ant 1\_802.11a\_CH104\_orientation A/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.03 V/m; Power Drift = 0.121 dB  
Peak SAR (extrapolated) = 3.05 W/kg  
**SAR(1 g) = 0.914 mW/g; SAR(10 g) = 0.338 mW/g**  
Maximum value of SAR (measured) = 1.09 mW/g





**Ant 1\_802.11a\_CH104\_orientation B**

Date/Time: 5/23/2009 5:13:57 PM

Test Laboratory: Electronics Testing Center, Taiwan

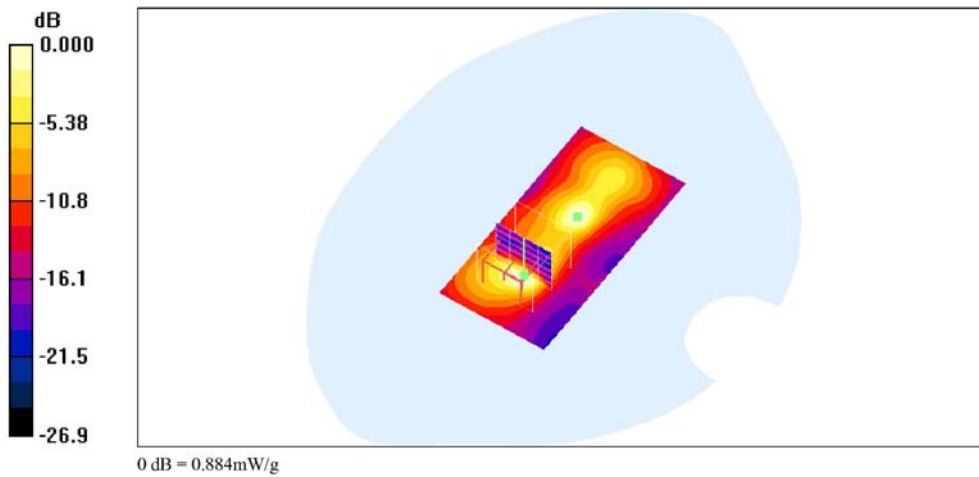
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5520 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5520$  MHz;  $\sigma = 5.66$  mho/m;  $\epsilon_r = 48.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 22 degC; Liquid temperature: 22.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.86, 3.86, 3.86); 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\_CH104\_orientation B/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.15 V/m; Power Drift = 0.183 dB  
Peak SAR (extrapolated) = 1.99 W/kg  
**SAR(1 g) = 0.704 mW/g; SAR(10 g) = 0.230 mW/g**  
Maximum value of SAR (measured) = 0.884 mW/g

**Ant 1\_802.11a\_CH104\_orientation B/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.13 mW/g





Ant 1\_802.11a\_CH104\_orientation C

Date/Time: 5/24/2009 12:09:01 PM

Test Laboratory: Electronics Testing Center, Taiwan

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

Communication System: IEEE 802.11a; Frequency: 5520 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5520$  MHz;  $\sigma = 5.66$  mho/m;  $\epsilon_r = 48.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 21 degC; Liquid temperature: 22.3 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(3.86, 3.86, 3.86); 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\_CH104\_orientation C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.72 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.640 W/kg

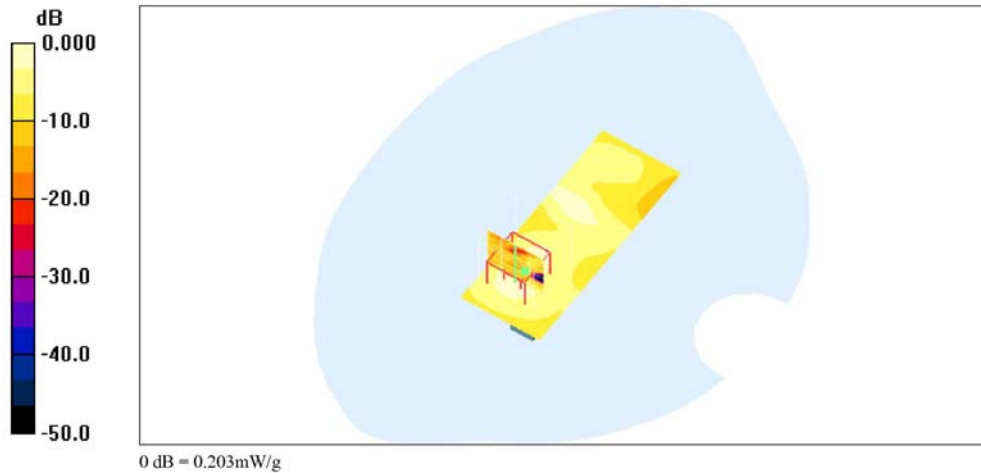
SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.069 mW/g

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) = 0.203 mW/g

Ant 1\_802.11a\_CH104\_orientation C/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.201 mW/g





**Ant 1\_802.11a\_CH104\_orientation D**

Date/Time: 5/24/2009 6:44:36 PM

Test Laboratory: Electronics Testing Center, Taiwan

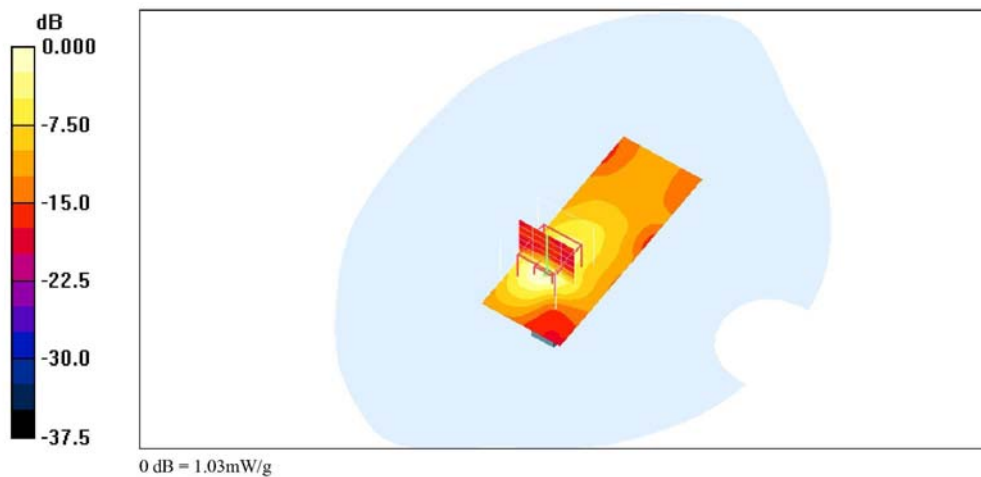
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5520 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5520$  MHz;  $\sigma = 5.66$  mho/m;  $\epsilon_r = 48.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 21 degC; Liquid temperature: 22.3 degC;  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.86, 3.86, 3.86); 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\_CH104\_orientation D/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.12 mW/g

**Ant 1\_802.11a\_CH104\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 5.88 V/m; Power Drift = 0.192 dB  
Peak SAR (extrapolated) = 2.31 W/kg  
**SAR(1 g) = 0.818 mW/g; SAR(10 g) = 0.294 mW/g**  
Maximum value of SAR (measured) = 1.03 mW/g







**Ant 1\_802.11a\_CH120\_orientation A**

Date/Time: 4/13/2009 11:28:22 AM

Test Laboratory: Electronics Testing Center, Taiwan

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

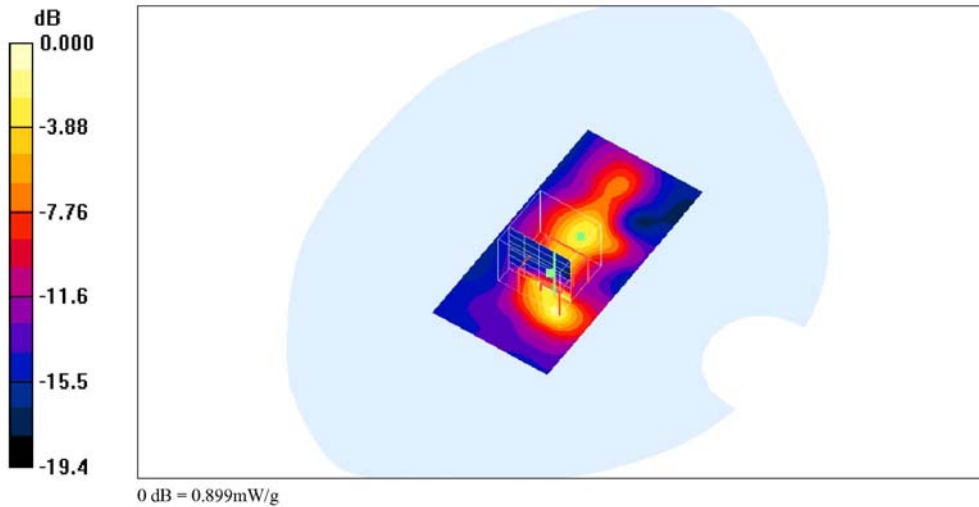
Communication System: IEEE 802.11a; Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.78$  mho/m;  $\epsilon_r = 48.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 20 degC; Liquid temperature: 21.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.86, 3.86, 3.86); 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\_CH120\_orientation A/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.631 mW/g

**Ant 1\_802.11a\_CH120\_orientation A/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 7.94 V/m; Power Drift = 0.076 dB  
Peak SAR (extrapolated) = 5.59 W/kg  
**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.358 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) = 0.899 mW/g





**Ant 1\_802.11a\_CH120\_orientation B**

Date/Time: 4/13/2009 5:32:15 PM

Test Laboratory: Electronics Testing Center, Taiwan

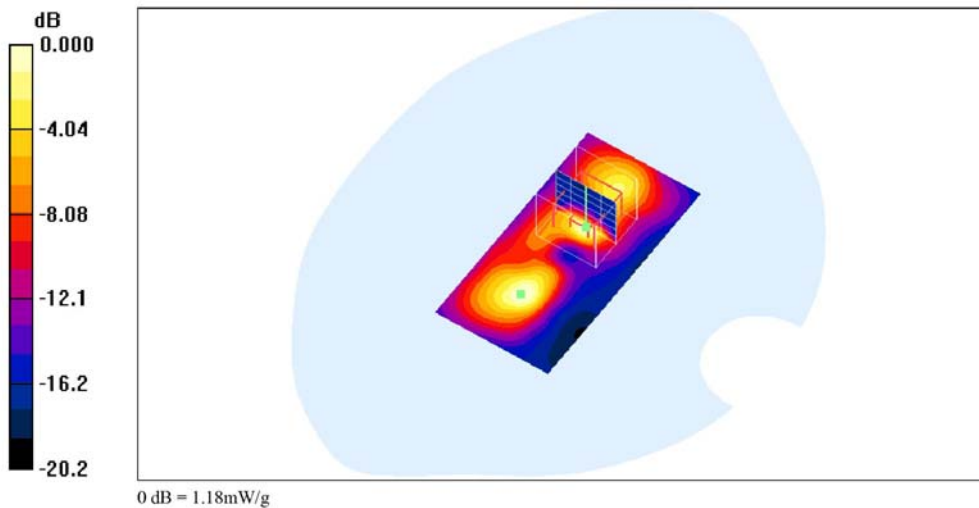
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.78$  mho/m;  $\epsilon_r = 48.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 20 degC; Liquid temperature: 21.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.86, 3.86, 3.86); 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\_CH120\_orientation B/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 7.68 V/m; Power Drift = -0.159 dB  
Peak SAR (extrapolated) = 2.54 W/kg  
**SAR(1 g) = 0.886 mW/g; SAR(10 g) = 0.301 mW/g**  
Maximum value of SAR (measured) = 1.18 mW/g

**Ant 1\_802.11a\_CH120\_orientation B/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.24 mW/g





**Ant 1\_802.11a\_CH120\_orientation C**

Date/Time: 4/14/2009 11:09:34 AM

Test Laboratory: Electronics Testing Center, Taiwan

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

Communication System: IEEE 802.11a; Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.78$  mho/m;  $\epsilon_r = 48.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 20 degC; Liquid temperature: 21.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3555; ConvF(3.86, 3.86, 3.86); 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\_CH120\_orientation C/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.56 V/m; Power Drift = 0.183 dB

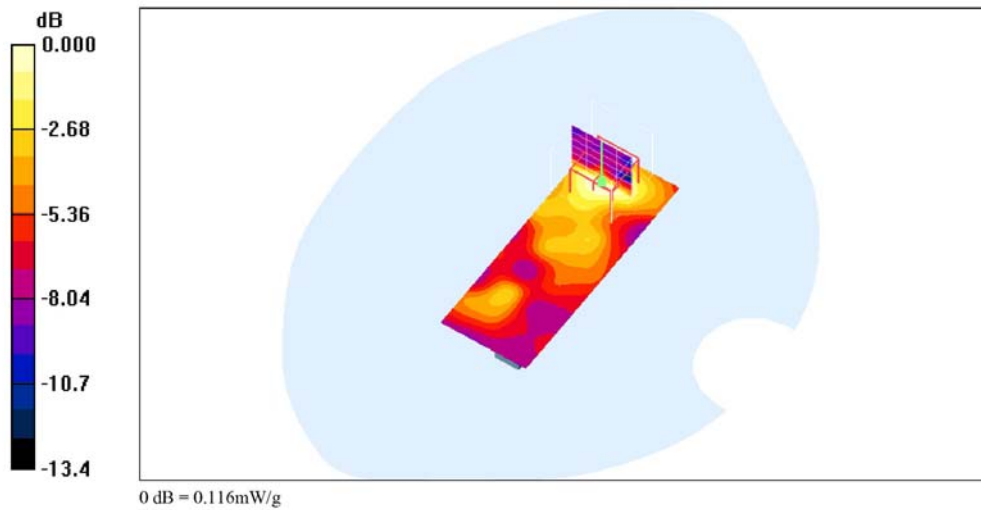
Peak SAR (extrapolated) = 0.449 W/kg

**SAR(1 g) = 0.120 mW/g; SAR(10 g) = 0.054 mW/g**

Maximum value of SAR (measured) = 0.116 mW/g

**Ant 1\_802.11a\_CH120\_orientation C/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.126 mW/g





**Ant 1\_802.11a\_CH120\_orientation D**

Date/Time: 4/14/2009 3:06:10 PM

Test Laboratory: Electronics Testing Center, Taiwan

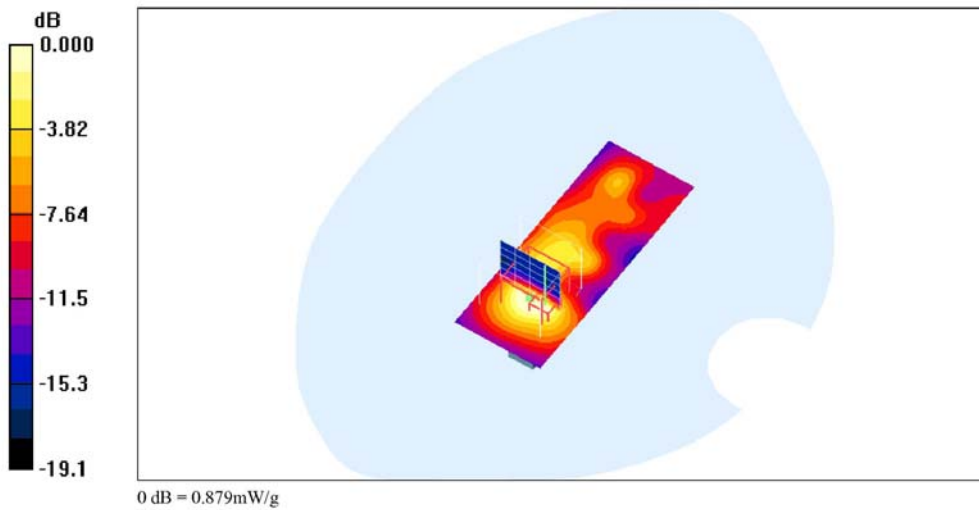
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

Communication System: IEEE 802.11a; Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.78$  mho/m;  $\epsilon_r = 48.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 20 degC; Liquid temperature: 21.5 degC;  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.86, 3.86, 3.86); 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\_CH120\_orientation D/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.956 mW/g

**Ant 1\_802.11a\_CH120\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.40 V/m; Power Drift = 0.037 dB  
Peak SAR (extrapolated) = 3.64 W/kg  
**SAR(1 g) = 0.700 mW/g; SAR(10 g) = 0.295 mW/g**  
Maximum value of SAR (measured) = 0.879 mW/g





**Ant 1\_802.11a\_CH140\_orientation A**

Date/Time: 5/23/2009 12:07:24 PM

Test Laboratory: Electronics Testing Center, Taiwan

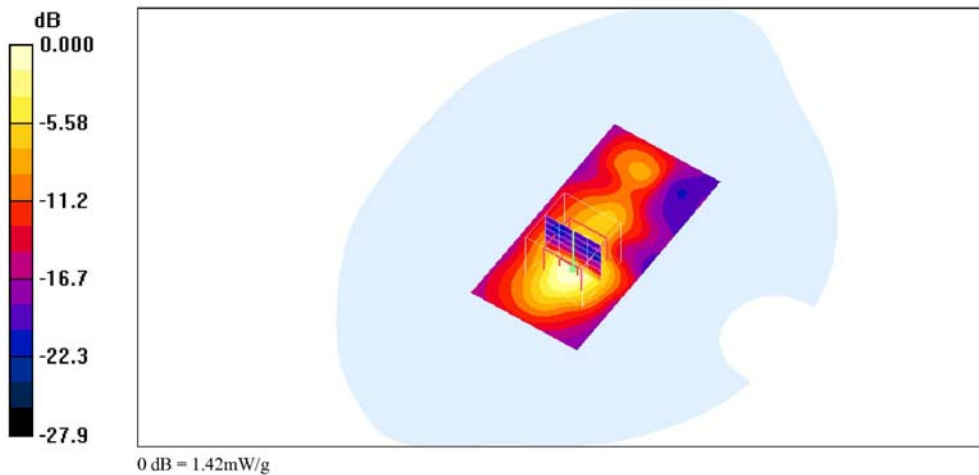
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

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: 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 1\_802.11a\_CH140\_orientation A/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.51 mW/g

**Ant 1\_802.11a\_CH140\_orientation A/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 7.79 V/m; Power Drift = 0.182 dB  
Peak SAR (extrapolated) = 3.13 W/kg  
**SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.399 mW/g**  
Maximum value of SAR (measured) = 1.42 mW/g





**Ant 1\_802.11a\_CH140\_orientation B**

Date/Time: 5/23/2009 5:32:50 PM

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: 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 1\_802.11a\_CH140\_orientation B/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.65 V/m; Power Drift = 0.125 dB

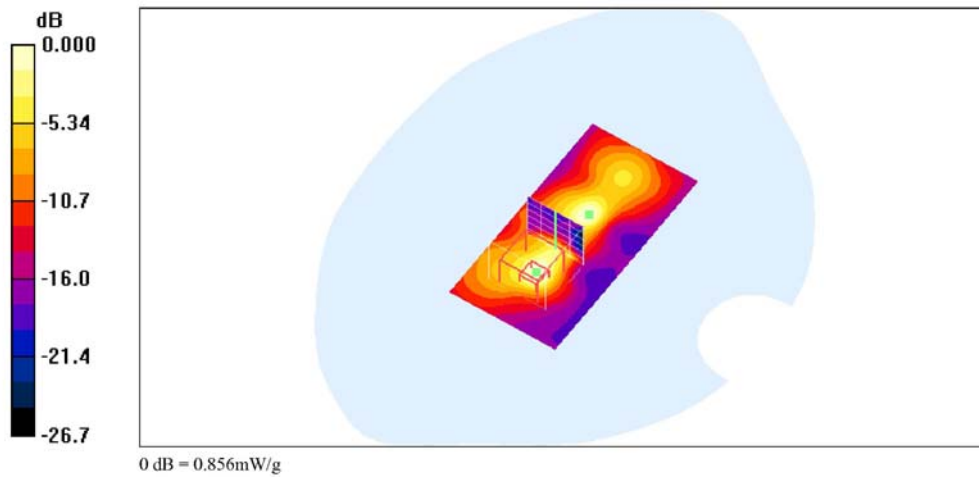
Peak SAR (extrapolated) = 1.92 W/kg

**SAR(1 g) = 0.556 mW/g; SAR(10 g) = 0.175 mW/g**

Maximum value of SAR (measured) = 0.856 mW/g

**Ant 1\_802.11a\_CH140\_orientation B/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.982 mW/g





Ant 1\_802.11a\_CH140\_orientation C

Date/Time: 5/24/2009 12:17:18 PM

Test Laboratory: Electronics Testing Center, Taiwan

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

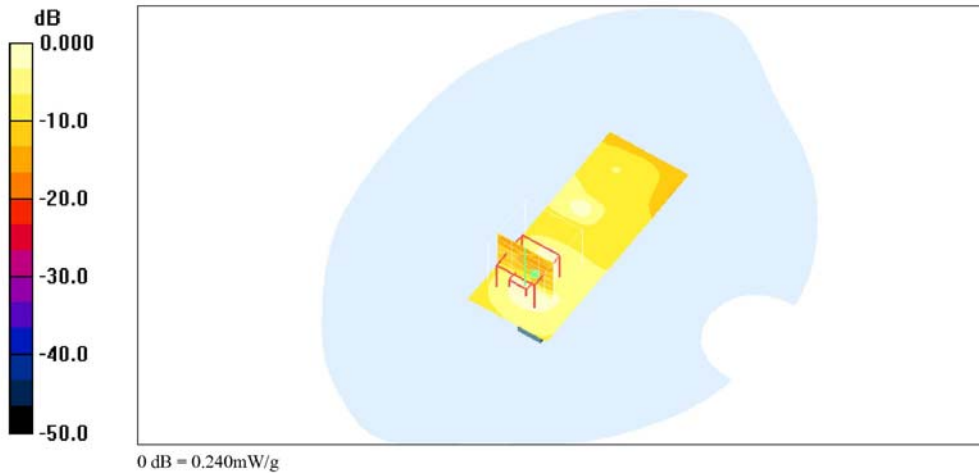
Communication System: IEEE 802.11a; Frequency: 5700 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.94$  mho/m;  $\epsilon_r = 48.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 21 degC; Liquid temperature: 22.3 degC;  
Phantom section: Flat Section

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 1\_802.11a\_CH140\_orientation C/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.212 mW/g

Ant 1\_802.11a\_CH140\_orientation C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.09 V/m; Power Drift = 0.104 dB  
Peak SAR (extrapolated) = 0.483 W/kg  
SAR(1 g) = 0.179 mW/g; SAR(10 g) = 0.059 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) = 0.240 mW/g







**Ant 1\_802.11a\_CH140\_orientation D**

Date/Time: 5/24/2009 6:31:13 PM

Test Laboratory: Electronics Testing Center, Taiwan

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

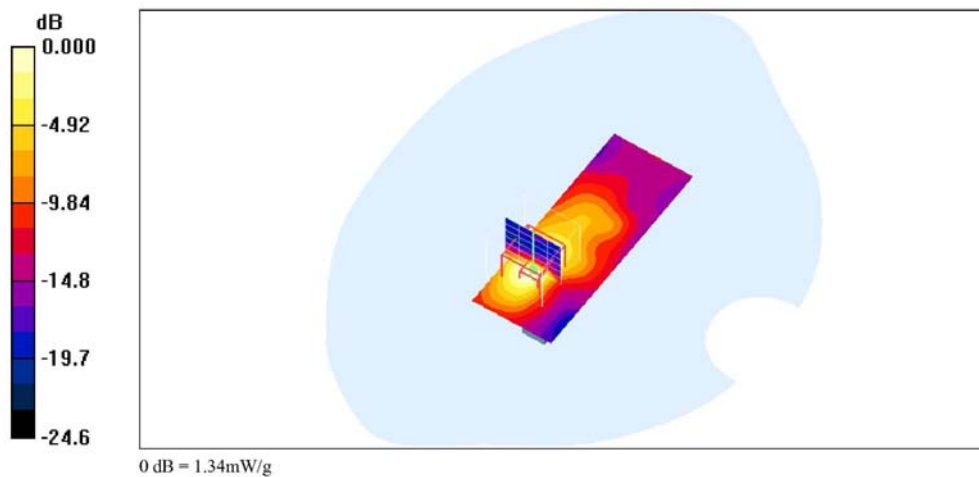
Communication System: IEEE 802.11a; Frequency: 5700 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.94$  mho/m;  $\epsilon_r = 48.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 21 degC; Liquid temperature: 22.3 degC;  
Phantom section: Flat Section

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 1\_802.11a\_CH140\_orientation D/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.72 mW/g

**Ant 1\_802.11a\_CH140\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 5.89 V/m; Power Drift = 0.184 dB  
Peak SAR (extrapolated) = 3.30 W/kg  
**SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.402 mW/g**  
Maximum value of SAR (measured) = 1.34 mW/g





**Ant 1\_802.11a\_CH149\_orientation A**

Date/Time: 5/23/2009 12:21:48 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

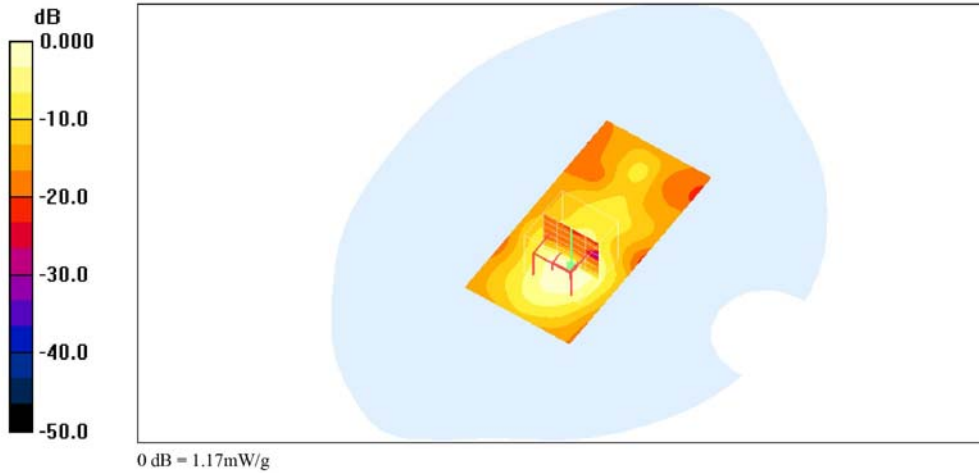
DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008  
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008  
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347  
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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

**Ant 1\_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) = 1.21 mW/g

**Ant 1\_802.11a\_CH149\_orientation A/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.90 V/m; Power Drift = -0.001 dB  
Peak SAR (extrapolated) = 3.08 W/kg  
**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.394 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 1.17 mW/g





**Ant 1\_802.11a\_CH149\_orientation B**

Date/Time: 5/23/2009 5:49:01 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

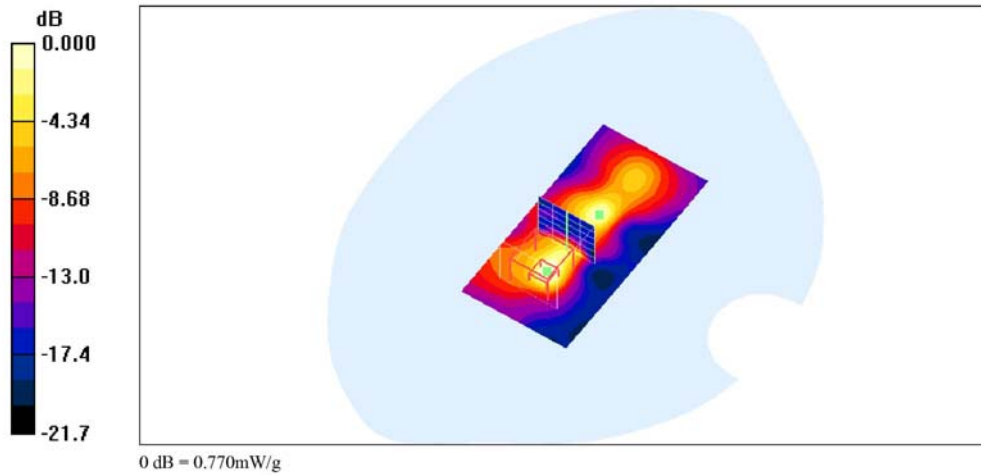
DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008  
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008  
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347  
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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

**Ant 1\_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) = 0.901 mW/g

**Ant 1\_802.11a\_CH149\_orientation B/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 5.39 V/m; Power Drift = 0.189 dB  
Peak SAR (extrapolated) = 1.58 W/kg  
**SAR(1 g) = 0.462 mW/g; SAR(10 g) = 0.148 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 0.770 mW/g





**Ant 1\_802.11a\_CH149\_orientation C**

Date/Time: 5/24/2009 12:43:34 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

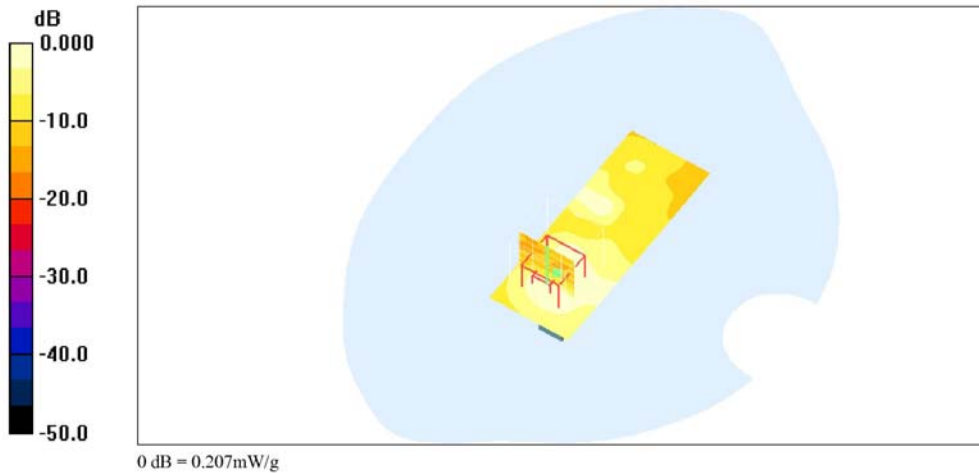
**Ant 1\_802.11a\_CH149\_orientation C/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (interpolated) = 0.202 mW/g

**Ant 1\_802.11a\_CH149\_orientation C/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.05 V/m; Power Drift = 0.18 dB  
Peak SAR (extrapolated) = 1.34 W/kg  
**SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.086 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) = 0.207 mW/g





**Ant 1\_802.11a\_CH149\_orientation D**

Date/Time: 5/25/2009 3:20:54 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

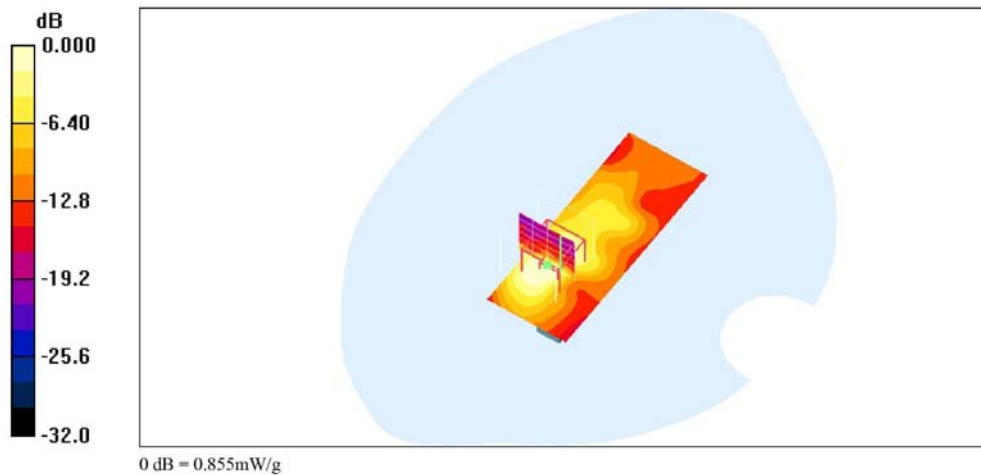
DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008  
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008  
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347  
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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

**Ant 1\_802.11a\_CH149\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 4.63 V/m; Power Drift = 0.123 dB  
Peak SAR (extrapolated) = 2.47 W/kg  
**SAR(1 g) = 0.844 mW/g; SAR(10 g) = 0.329 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 0.855 mW/g

**Ant 1\_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) = 1.13 mW/g





**Ant 1\_802.11a\_CH157\_orientation A**

Date/Time: 4/13/2009 11:50:35 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

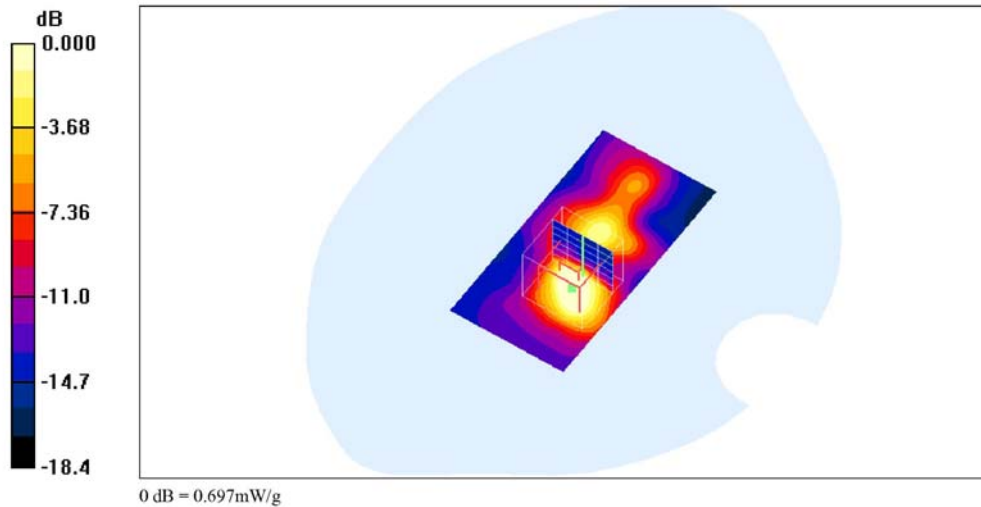
DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008  
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008  
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347  
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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

**Ant 1\_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) = 0.996 mW/g

**Ant 1\_802.11a\_CH157\_orientation A/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 7.46 V/m; Power Drift = 0.137 dB  
Peak SAR (extrapolated) = 3.66 W/kg  
**SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.239 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 0.697 mW/g







**Ant 1\_802.11a\_CH157\_orientation B**

Date/Time: 4/13/2009 5:51:30 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

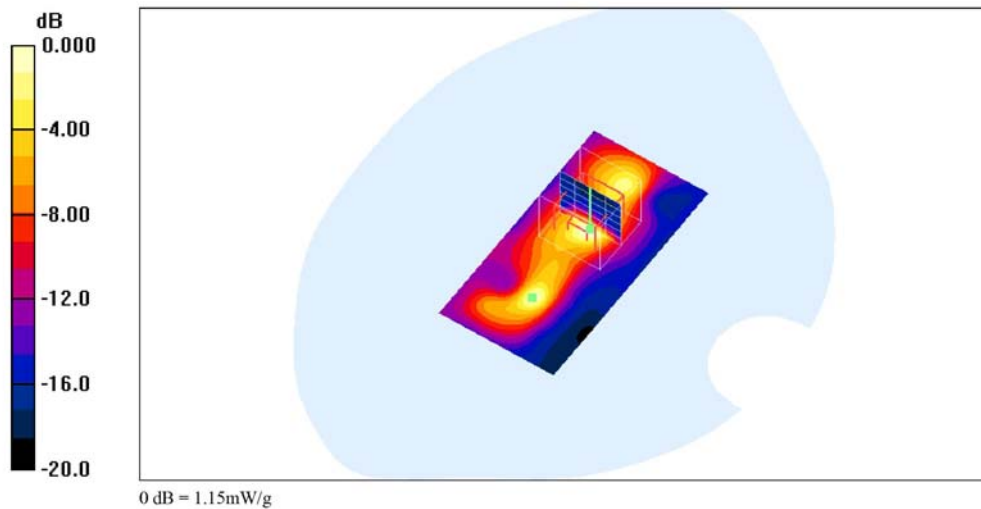
DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008  
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008  
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347  
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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

**Ant 1\_802.11a\_CH157\_orientation B/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.63 V/m; Power Drift = 0.157 dB  
Peak SAR (extrapolated) = 3.51 W/kg  
**SAR(1 g) = 0.821 mW/g; SAR(10 g) = 0.267 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 1.15 mW/g

**Ant 1\_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) = 1.18 mW/g







Ant 1\_802.11a\_CH157\_orientation C

Date/Time: 4/14/2009 11:18:18 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

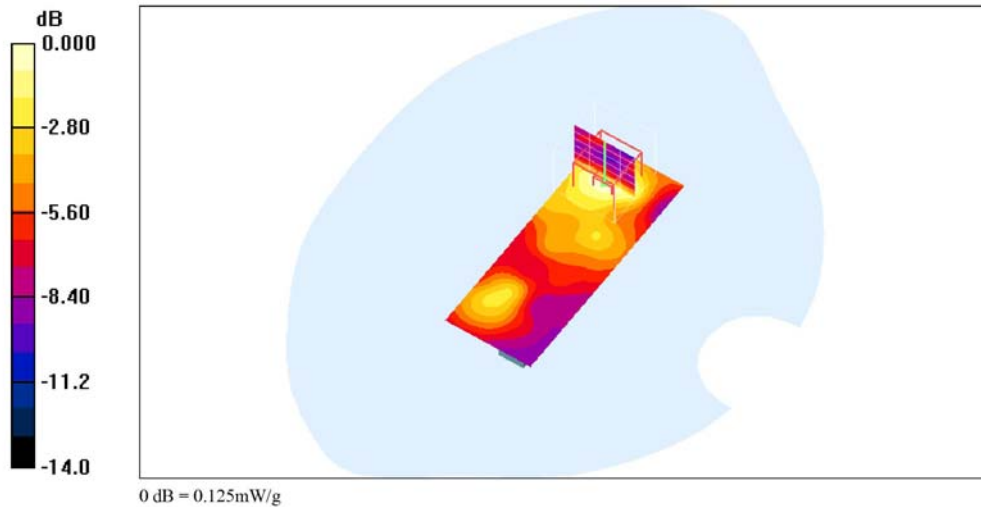
DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008  
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008  
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347  
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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

Ant 1\_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) = 0.123 mW/g

Ant 1\_802.11a\_CH157\_orientation C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.57 V/m; Power Drift = 0.061 dB  
Peak SAR (extrapolated) = 0.315 W/kg  
SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.056 mW/g

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 0.125 mW/g





**Ant 1\_802.11a\_CH157\_orientation D**

Date/Time: 4/14/2009 3:19:06 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

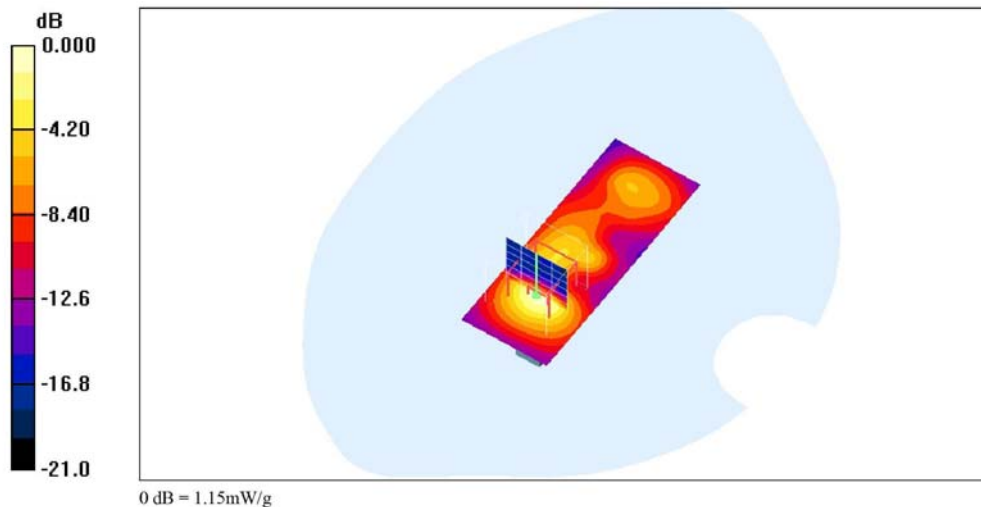
DASY4 Configuration:  
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008  
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008  
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347  
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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

**Ant 1\_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) = 0.922 mW/g

**Ant 1\_802.11a\_CH157\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.25 V/m; Power Drift = 0.024 dB  
Peak SAR (extrapolated) = 6.52 W/kg  
**SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.368 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 1.15 mW/g





**Ant 0+1\_802.11an HT20\_CH40\_orientation A**

Date/Time: 5/23/2009 1:13:33 PM

Test Laboratory: Electronics Testing Center, Taiwan

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

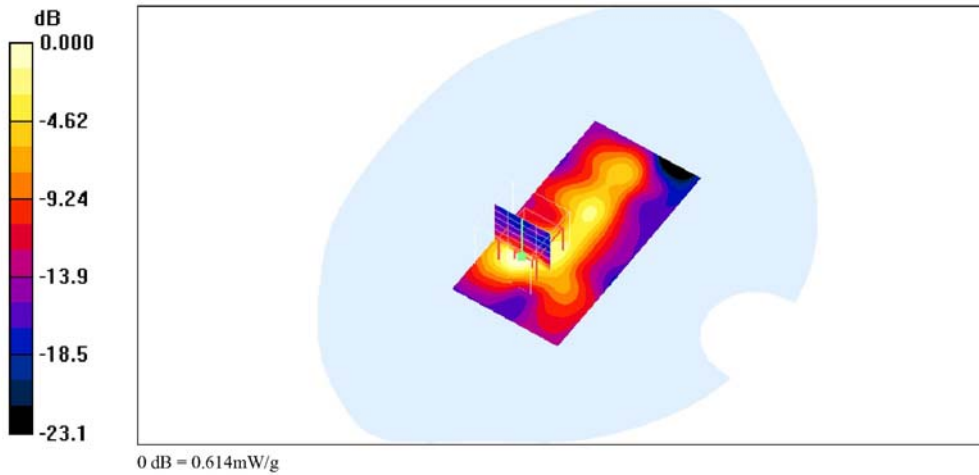
Communication System: IEEE 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.18$  mho/m;  $\epsilon_r = 49.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Air temperature: 22 degC; Liquid temperature: 21.5 degC;  
Phantom section: Flat Section

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+1\_802.11an HT20\_CH40\_orientation A/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 7.56 V/m; Power Drift = 0.112 dB  
Peak SAR (extrapolated) = 1.72 W/kg  
**SAR(1 g) = 0.540 mW/g; SAR(10 g) = 0.204 mW/g**  
Maximum value of SAR (measured) = 0.614 mW/g

**Ant 0+1\_802.11an HT20\_CH40\_orientation A/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.631 mW/g





**Ant 0+1\_802.11an HT20\_CH40\_orientation B**

Date/Time: 5/23/2009 6:33:21 PM

Test Laboratory: Electronics Testing Center, Taiwan

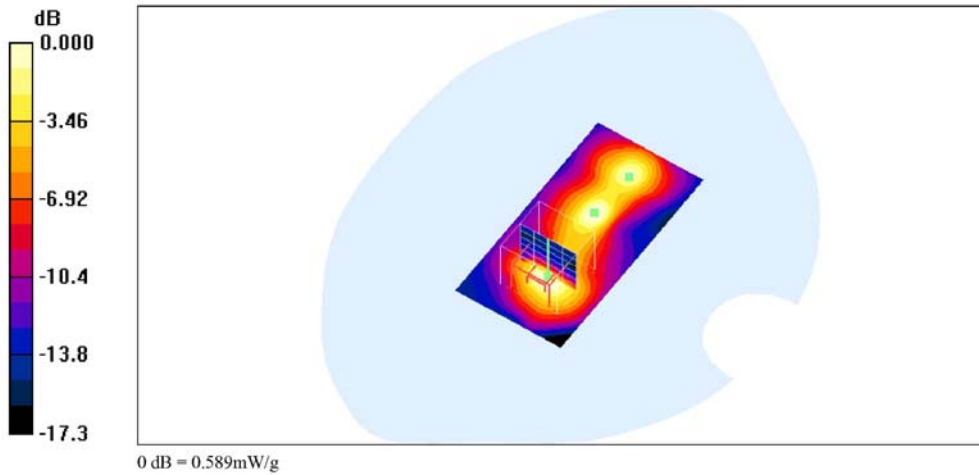
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

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+1\_802.11an HT20\_CH40\_orientation B/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.662 mW/g

**Ant 0+1\_802.11an HT20\_CH40\_orientation B/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 7.54 V/m; Power Drift = -0.191 dB  
Peak SAR (extrapolated) = 1.35 W/kg  
**SAR(1 g) = 0.525 mW/g; SAR(10 g) = 0.205 mW/g**  
Maximum value of SAR (measured) = 0.589 mW/g





**Ant 0+1\_802.11an HT20\_CH40\_orientation C**

Date/Time: 5/24/2009 1:02:50 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

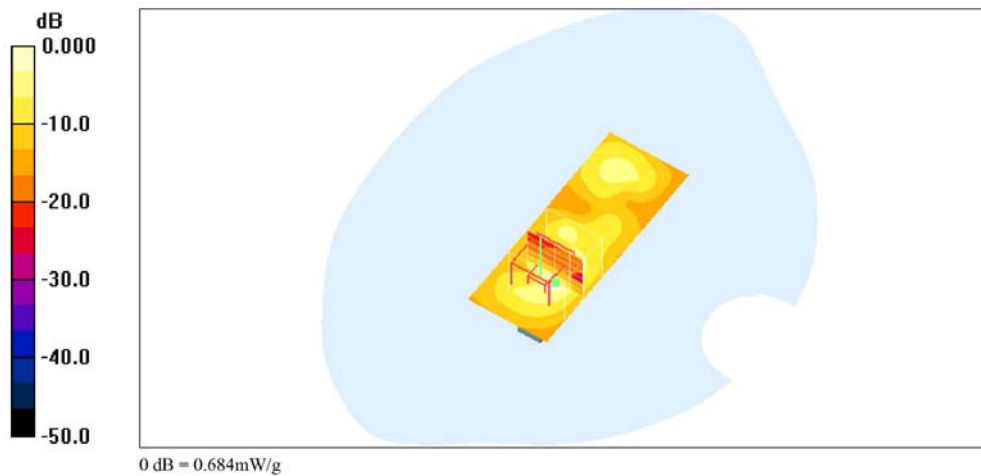
DASY4 Configuration:

- 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+1\_802.11an HT20\_CH40\_orientation C/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.45 V/m; Power Drift = 0.061 dB  
Peak SAR (extrapolated) = 4.18 W/kg  
**SAR(1 g) = 0.779 mW/g; SAR(10 g) = 0.235 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) = 0.684 mW/g

**Ant 0+1\_802.11an HT20\_CH40\_orientation C/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.425 mW/g





**Ant 0+1\_802.11an HT20\_CH40\_orientation D**

Date/Time: 5/24/2009 8:07:37 PM

Test Laboratory: Electronics Testing Center, Taiwan

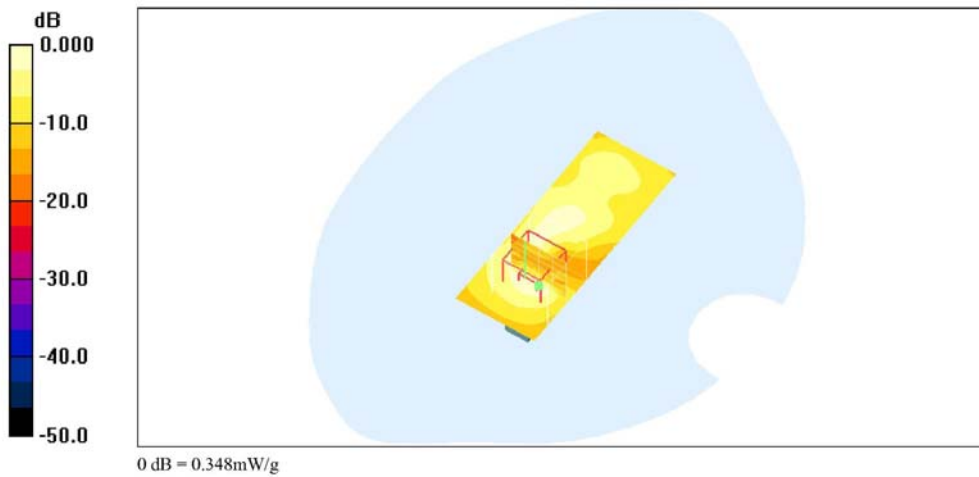
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

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+1\_802.11an HT20\_CH40\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 5.20 V/m; Power Drift = 0.179 dB  
Peak SAR (extrapolated) = 0.794 W/kg  
**SAR(1 g) = 0.414 mW/g; SAR(10 g) = 0.139 mW/g**  
Maximum value of SAR (measured) = 0.348 mW/g

**Ant 0+1\_802.11an HT20\_CH40\_orientation D/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.316 mW/g





**Ant 0+1\_802.11an HT20\_CH44\_orientation A**

Date/Time: 4/13/2009 12:08:23 PM

Test Laboratory: Electronics Testing Center, Taiwan

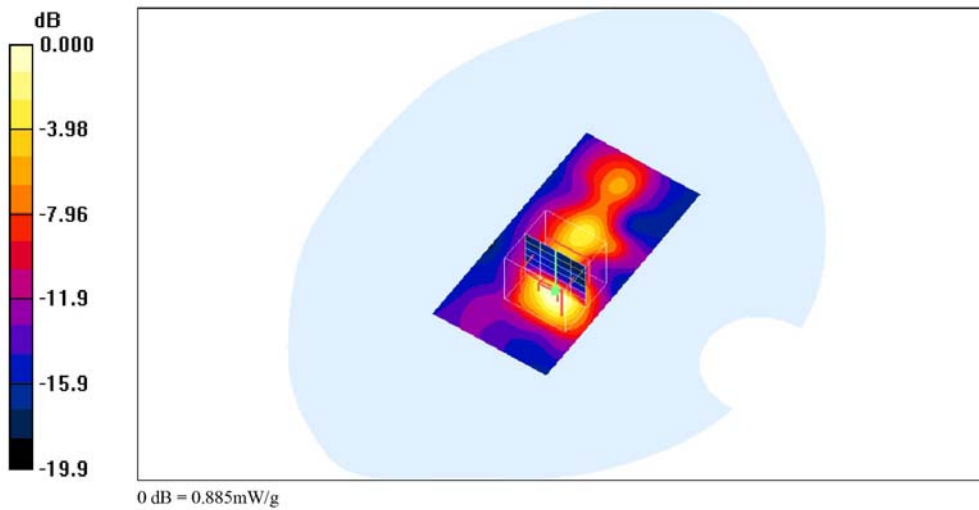
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

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+1\_802.11an HT20\_CH44\_orientation A/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 7.89 V/m; Power Drift = 0.033 dB  
Peak SAR (extrapolated) = 2.00 W/kg  
**SAR(1 g) = 0.735 mW/g; SAR(10 g) = 0.274 mW/g**  
Maximum value of SAR (measured) = 0.885 mW/g

**Ant 0+1\_802.11an HT20\_CH44\_orientation A/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.981 mW/g







**Ant 0+1\_802.11an HT20\_CH44\_orientation B**

Date/Time: 4/13/2009 6:10:49 PM

Test Laboratory: Electronics Testing Center, Taiwan

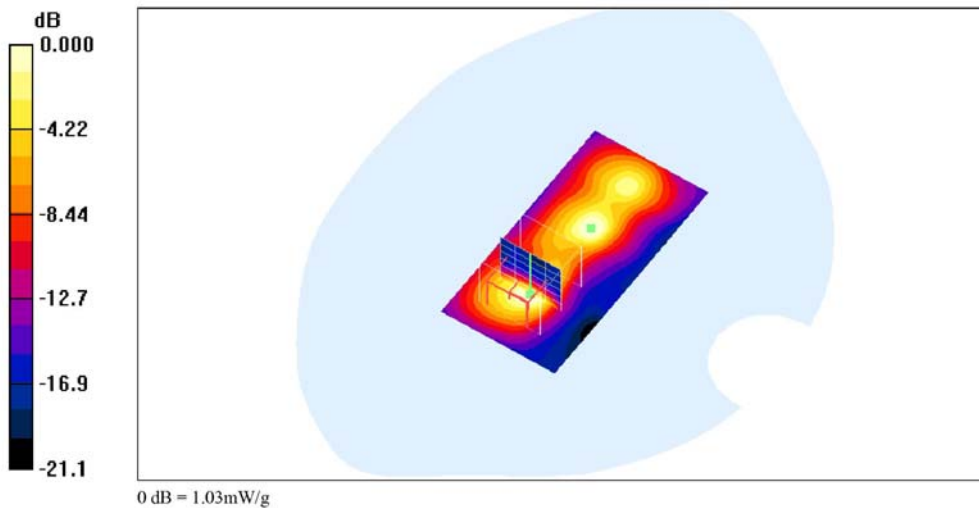
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

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+1\_802.11an HT20\_CH44\_orientation B/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.17 mW/g

**Ant 0+1\_802.11an HT20\_CH44\_orientation B/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.51 V/m; Power Drift = 0.055 dB  
Peak SAR (extrapolated) = 2.29 W/kg  
SAR(1 g) = **0.840 mW/g**; SAR(10 g) = **0.289 mW/g**  
Maximum value of SAR (measured) = 1.03 mW/g





**Ant 0+1\_802.11an HT20\_CH44\_orientation C**

Date/Time: 4/14/2009 11:37:50 AM

Test Laboratory: Electronics Testing Center, Taiwan

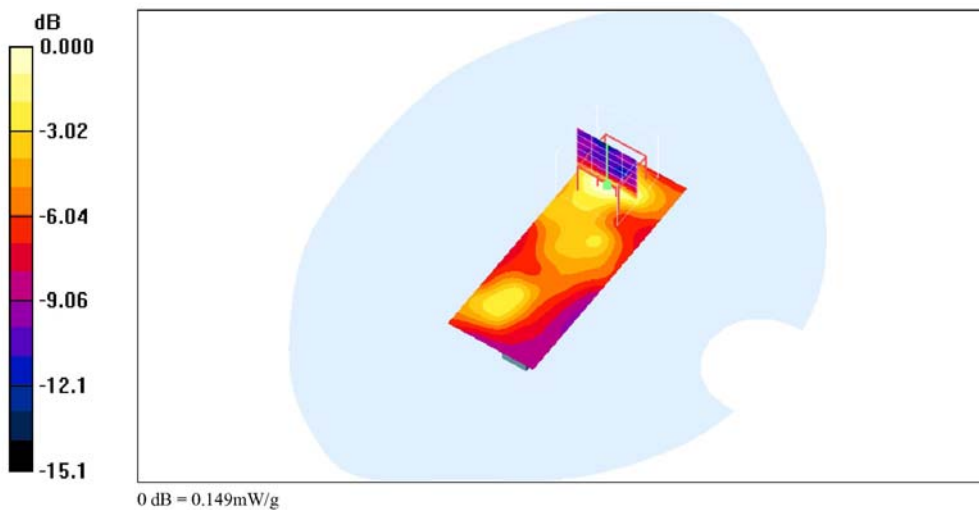
**DUT: USB dongle; Type: WNDA3100V2; Serial: N/A**

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+1\_802.11an HT20\_CH44\_orientation C/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.53 V/m; Power Drift = 0.145 dB  
Peak SAR (extrapolated) = 0.902 W/kg  
**SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.072 mW/g**  
Maximum value of SAR (measured) = 0.149 mW/g

**Ant 0+1\_802.11an HT20\_CH44\_orientation C/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.164 mW/g





**Ant 0+1\_802.11an HT20\_CH44\_orientation D**

Date/Time: 4/14/2009 3:35:19 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+1\_802.11an HT20\_CH44\_orientation D/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.07 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 1.97 W/kg

**SAR(1 g) = 0.717 mW/g; SAR(10 g) = 0.251 mW/g**

Maximum value of SAR (measured) = 0.948 mW/g

**Ant 0+1\_802.11an HT20\_CH44\_orientation D/Area Scan (31x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.757 mW/g

