Ant 0_802.11a_CH120_orientation D

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

Test Laboratory: Electronics Testing Center, Taiwan

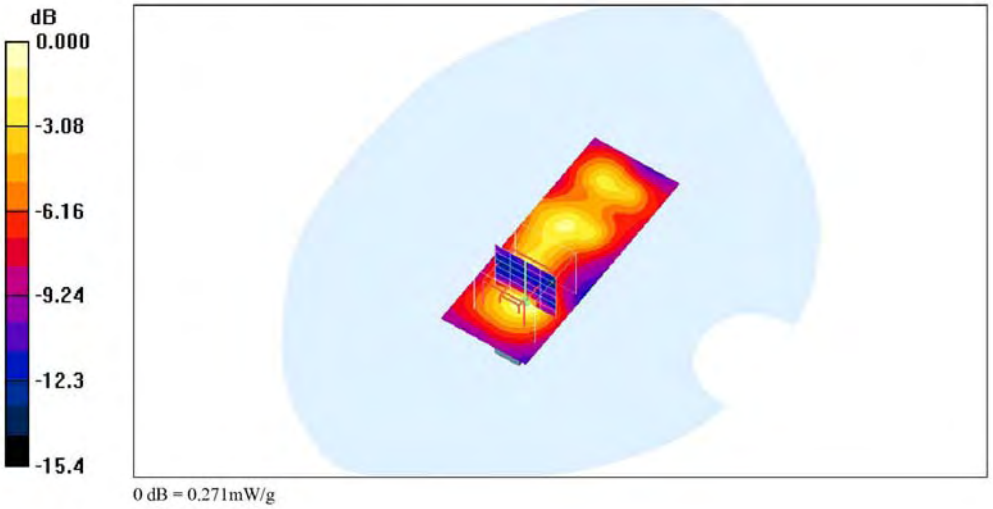
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.78 mho/m; ε_r = 48.4; ρ = 1000 kg/m^3
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



0 dB = 0.271mW/g

Ant 0_802.11a_CH140_orientation A

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

Test Laboratory: Electronics Testing Center, Taiwan

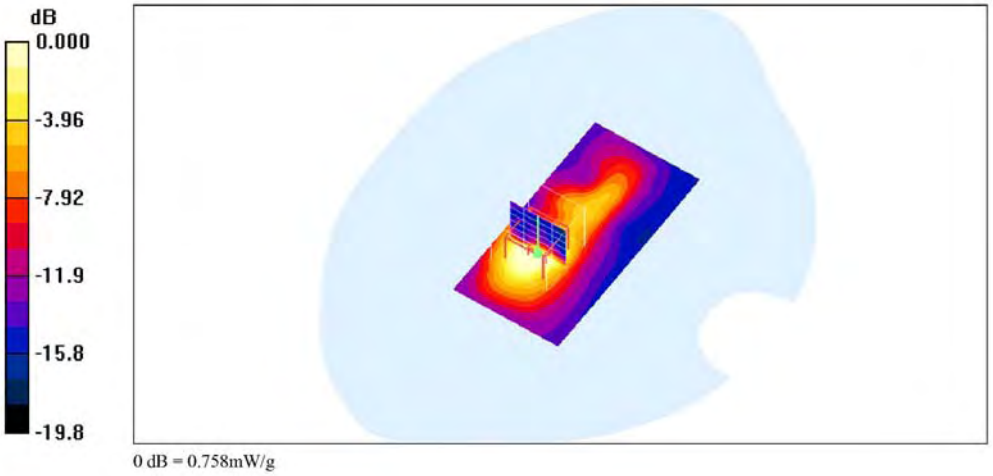
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5700 MHz; σ = 5.94 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3
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



0 dB = 0.758mW/g

Ant 0_802.11a_CH140_orientation B

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

Test Laboratory: Electronics Testing Center, Taiwan

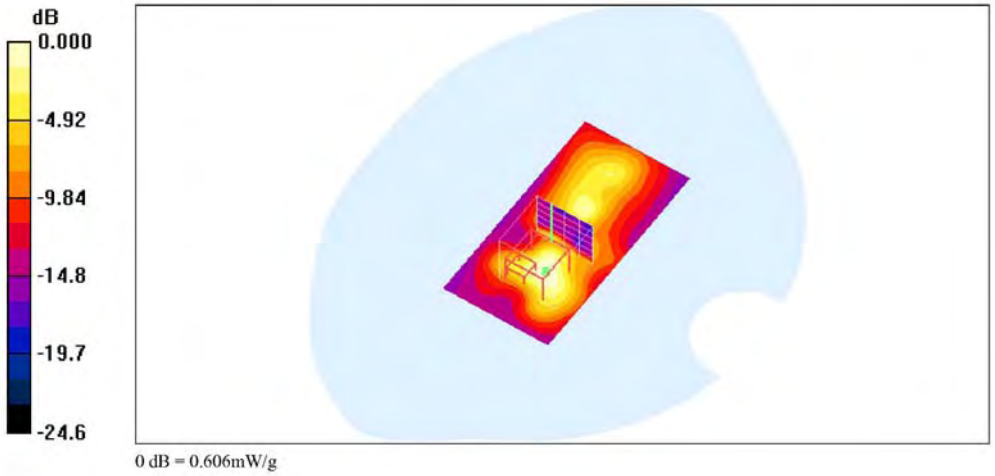
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5700 MHz; σ = 5.94 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3
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



0 dB = 0.606mW/g

Ant 0_802.11a_CH140_orientation C

Date/Time: 5/24/2009 10:53:49 AM

Test Laboratory: Electronics Testing Center, Taiwan

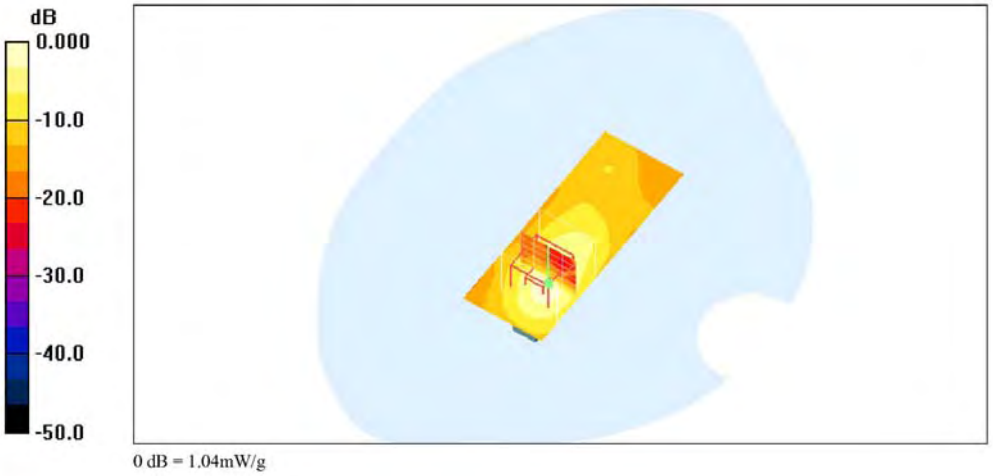
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5700 MHz; σ = 5.94 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3
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



0 dB = 1.04mW/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

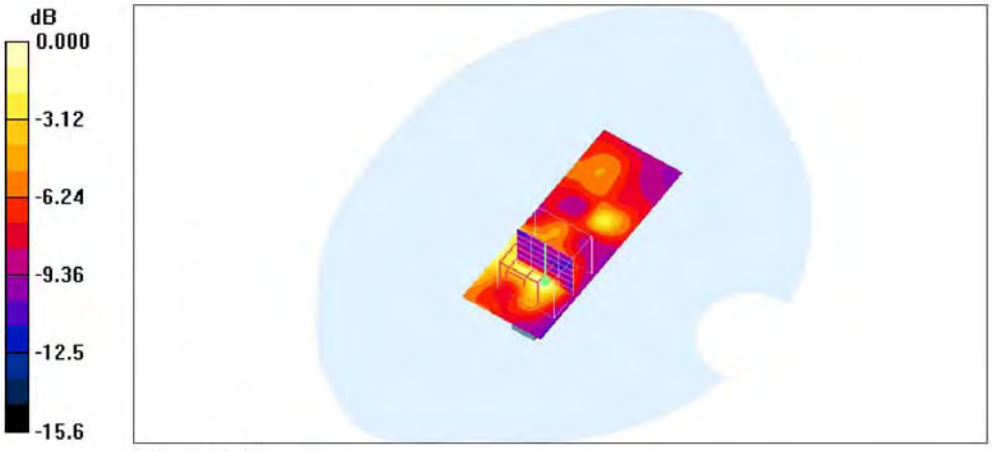
Communication System: IEEE 802.11a; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5700 MHz; σ = 5.94 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3
Air temperature:21 degC; Liquid temperature:22.3 degC;
Phantom section: Flat Section

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



0 dB = 0.207mW/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; σ = 5.99 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3
Air temperature:22 degC; Liquid temperature:22.5 degC;
Phantom section: Flat Section

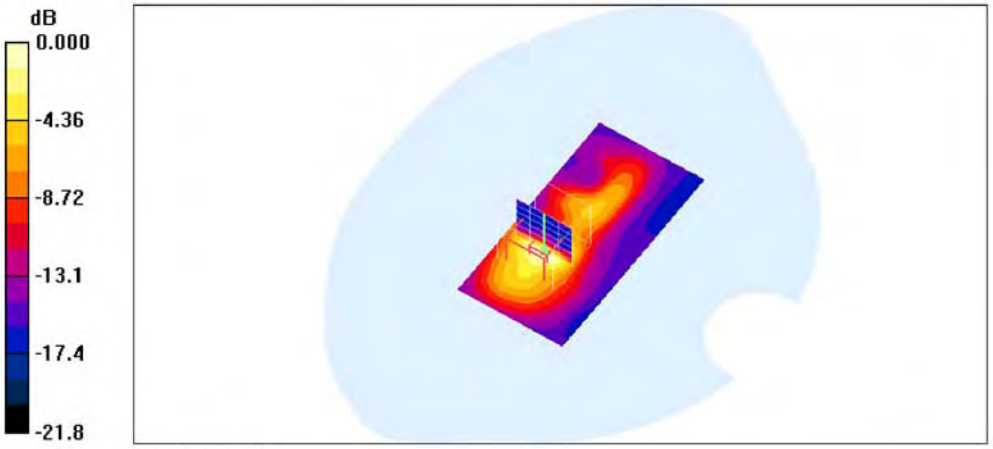
DASY4 Configuration:
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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



0 dB = 0.959mW/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; σ = 5.99 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3
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

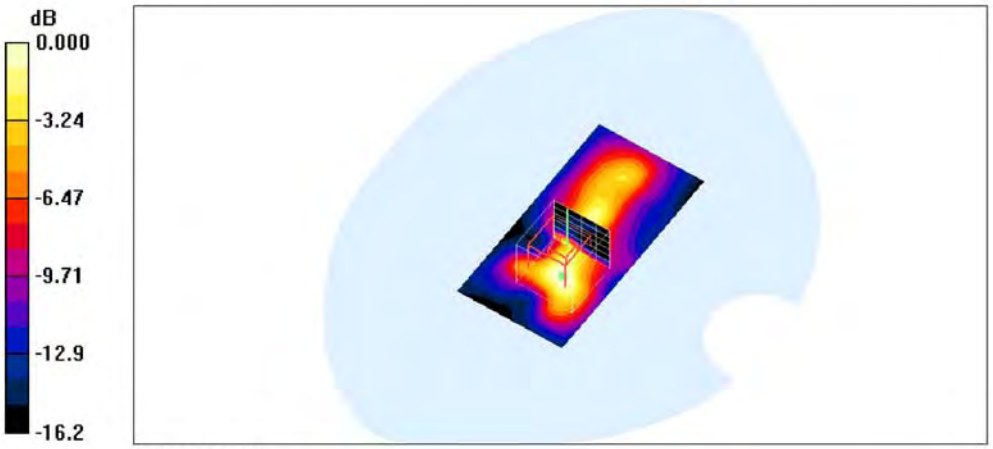
Ant 0_802.11a_CH149_orientation B/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

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



0 dB = 0.627mW/g

Ant 0_802.11a_CH149_orientation C

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

Test Laboratory: Electronics Testing Center, Taiwan

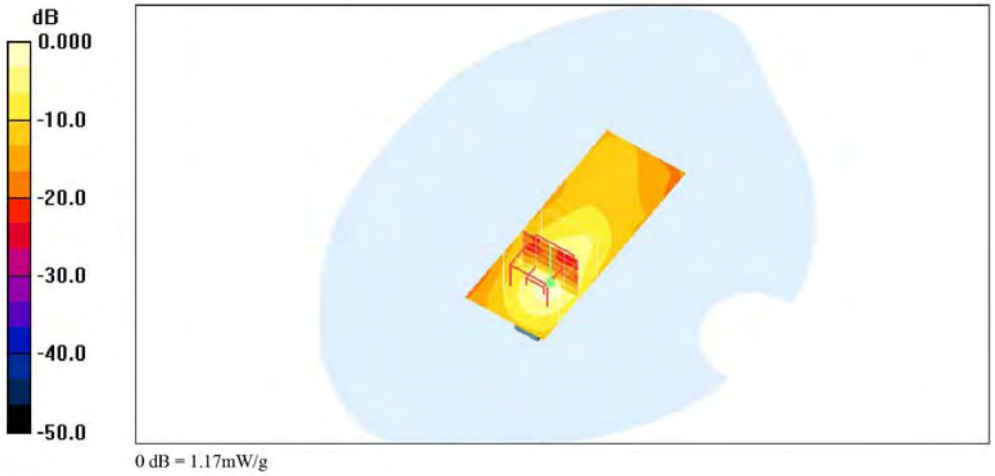
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5700 MHz; σ = 5.94 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3
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



0 dB = 1.17mW/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; σ = 5.99 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3
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

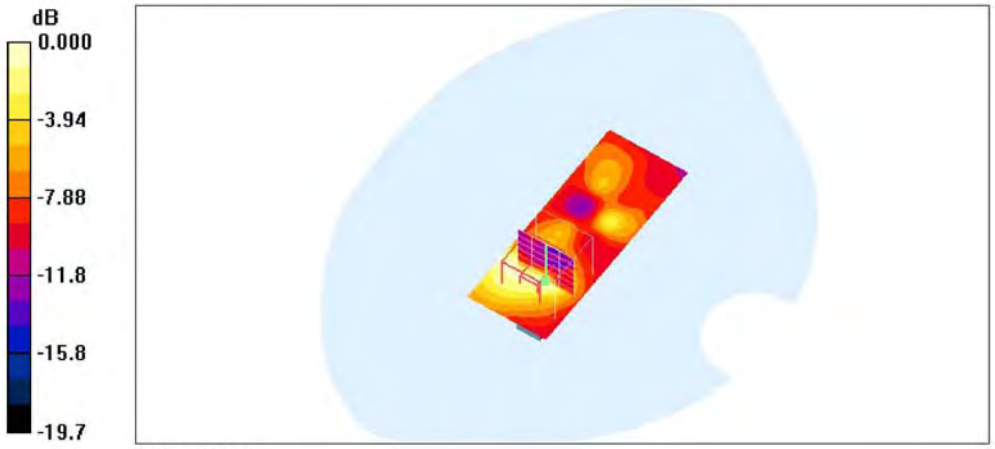
Ant 0_802.11a_CH149_orientation D/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.70 V/m; Power Drift = 0.191 dB
Peak SAR (extrapolated) = 0.728 W/kg
SAR(1 g) = 0.191 mW/g; SAR(10 g) = 0.082 mW/g

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



0 dB = 0.214mW/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; σ = 6.03 mho/m; ε_r = 48; ρ = 1000 kg/m^3
Air temperature:20 degC; Liquid temperature:21.5 degC;
Phantom section: Flat Section

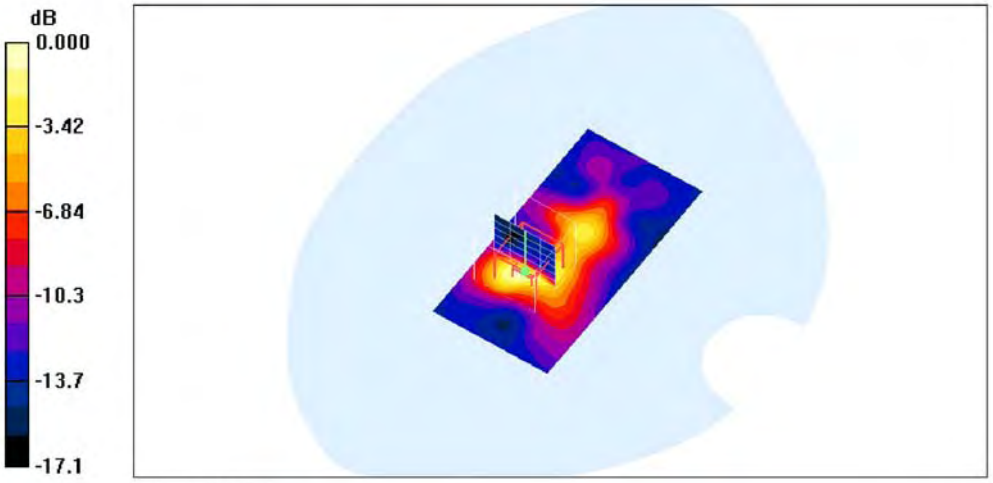
DASY4 Configuration:
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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



0 dB = 0.630mW/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; σ = 6.03 mho/m; ε_r = 48; ρ = 1000 kg/m^3
Air temperature:20 degC; Liquid temperature:21.5 degC;
Phantom section: Flat Section

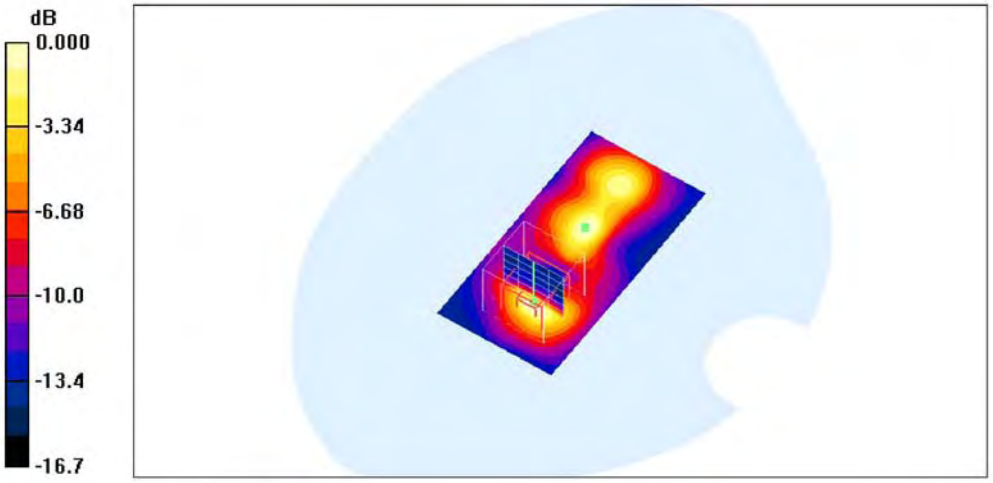
DASY4 Configuration:
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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



0 dB = 0.583mW/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; σ = 6.03 mho/m; ε_r = 48; ρ = 1000 kg/m^3
Air temperature:20 degC; Liquid temperature:21.5 degC;
Phantom section: Flat Section

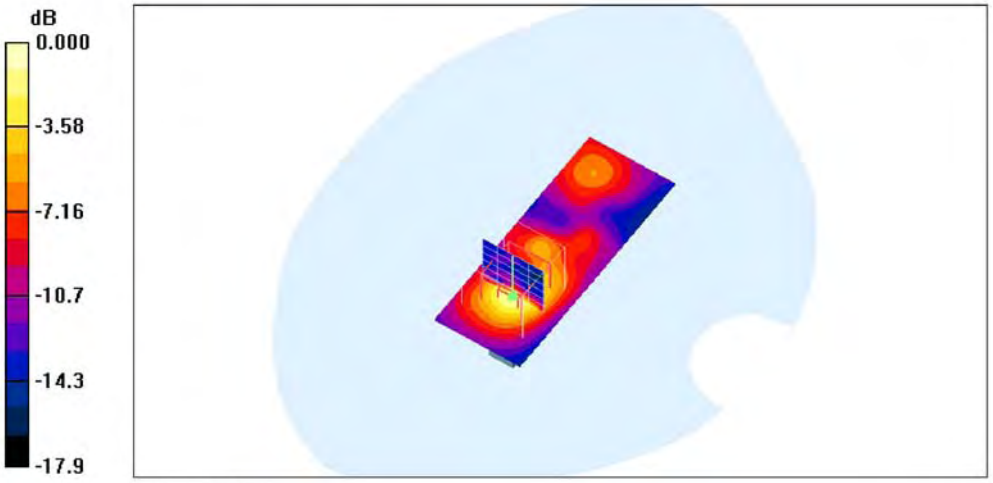
DASY4 Configuration:
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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



0 dB = 0.514mW/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; σ = 6.03 mho/m; ε_r = 48; ρ = 1000 kg/m^3
Air temperature:20 degC; Liquid temperature:21.5 degC;
Phantom section: Flat Section

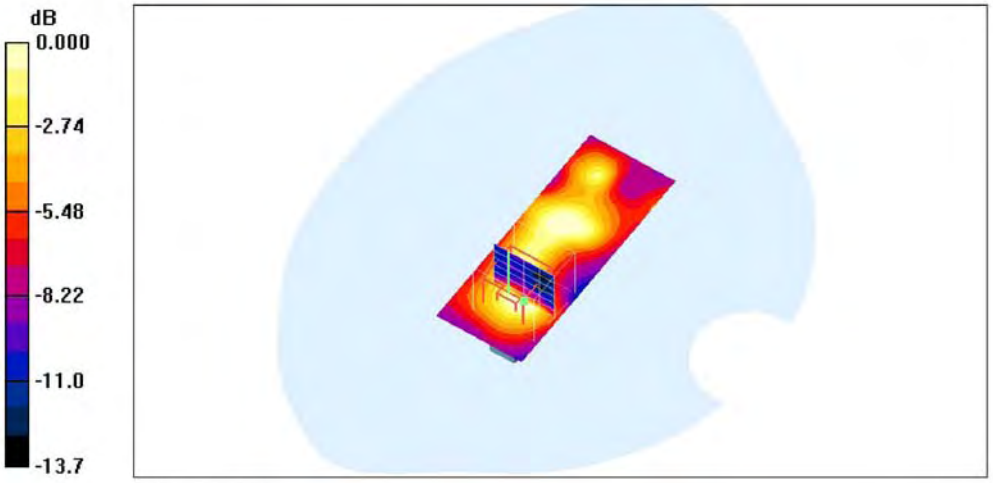
DASY4 Configuration:
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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



0 dB = 0.204mW/g

Ant 1_802.11a_CH40_orientation A

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

Test Laboratory: Electronics Testing Center, Taiwan

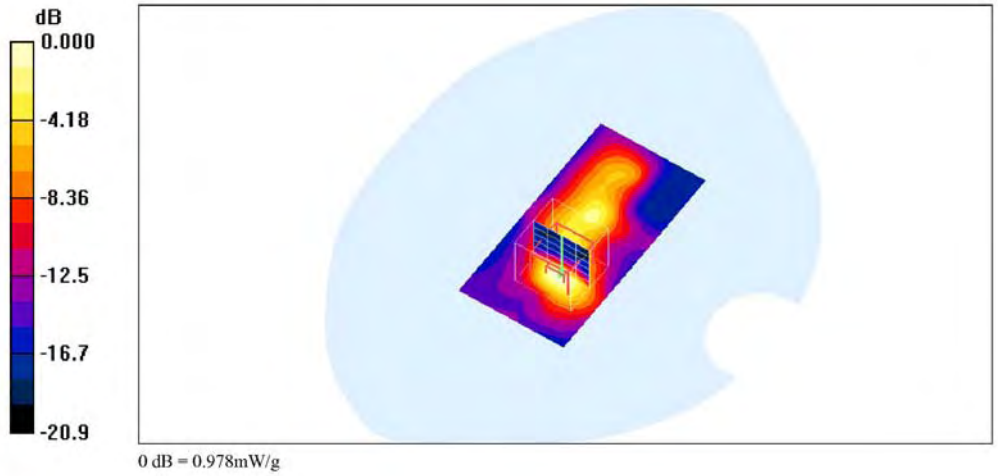
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.18 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3
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



0 dB = 0.978mW/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

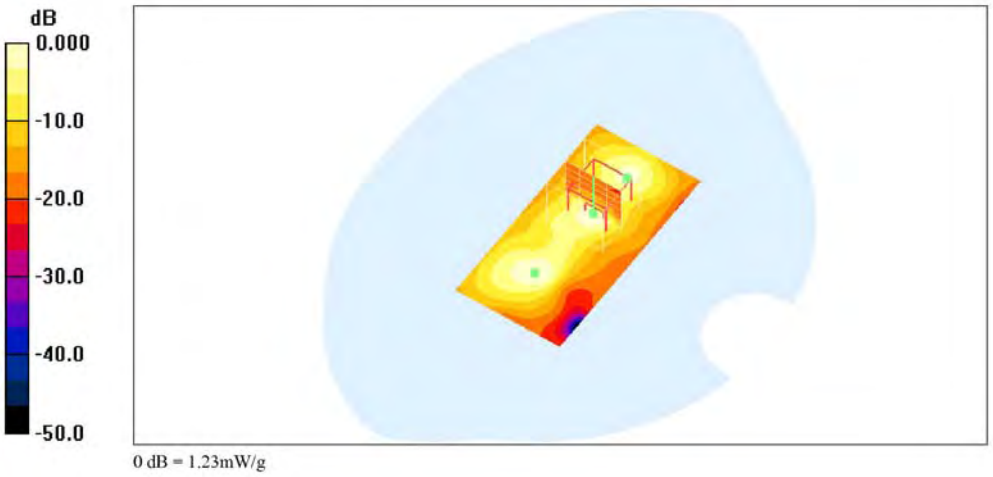
Communication System: IEEE 802.11a; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.18 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3
Air temperature:22 degC; Liquid temperature:22.5 degC;
Phantom section: Flat Section

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

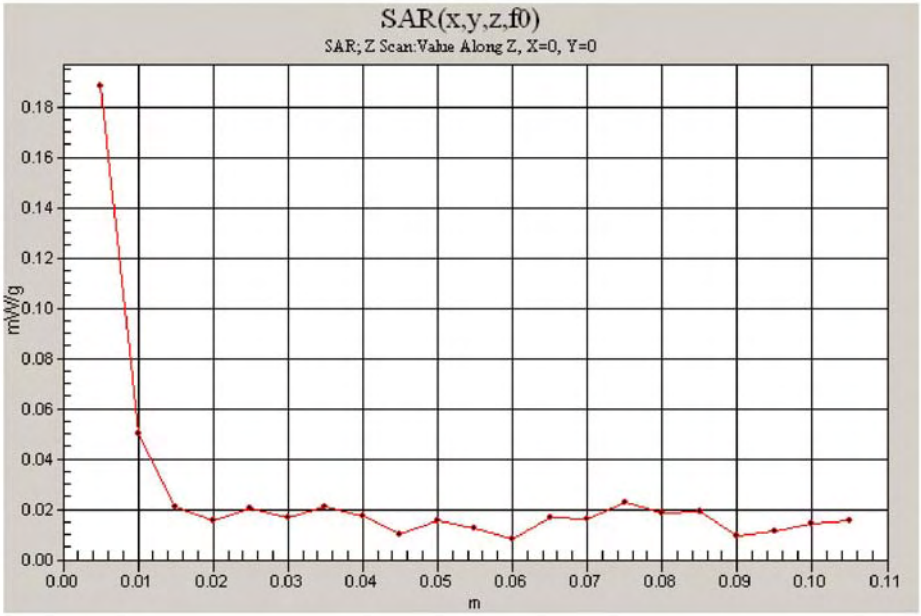
Ant 1_802.11a_CH40_orientation B/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.72 V/m; Power Drift = 0.166 dB
Peak SAR (extrapolated) = 6.39 W/kg
SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.345 mW/g

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



0 dB = 1.23mW/g


SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
0.11
m

Ant 1_802.11a_CH40_orientation C

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

Test Laboratory: Electronics Testing Center, Taiwan

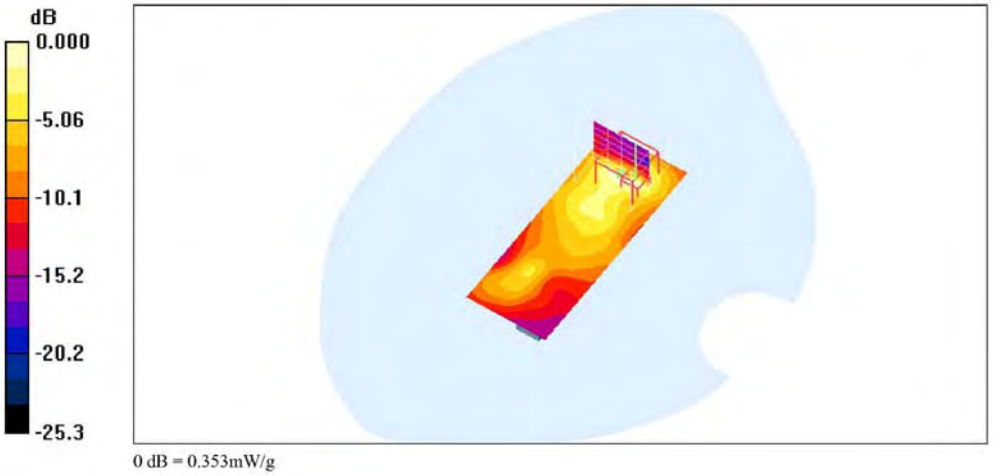
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.18 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3
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



0 dB = 0.353mW/g

Ant 1_802.11a_CH40_orientation D

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

Test Laboratory: Electronics Testing Center, Taiwan

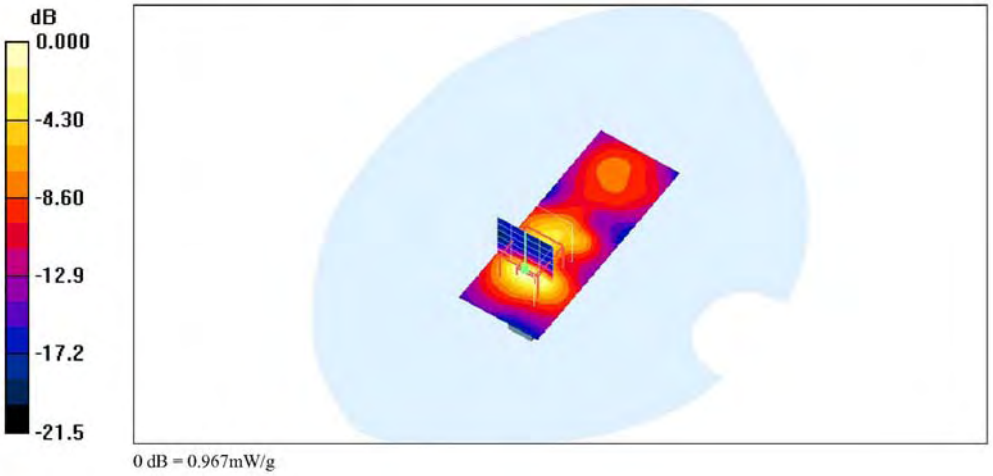
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.18 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3
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



0 dB = 0.967mW/g

Ant 1_802.11a_CH44_orientation A

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

Test Laboratory: Electronics Testing Center, Taiwan

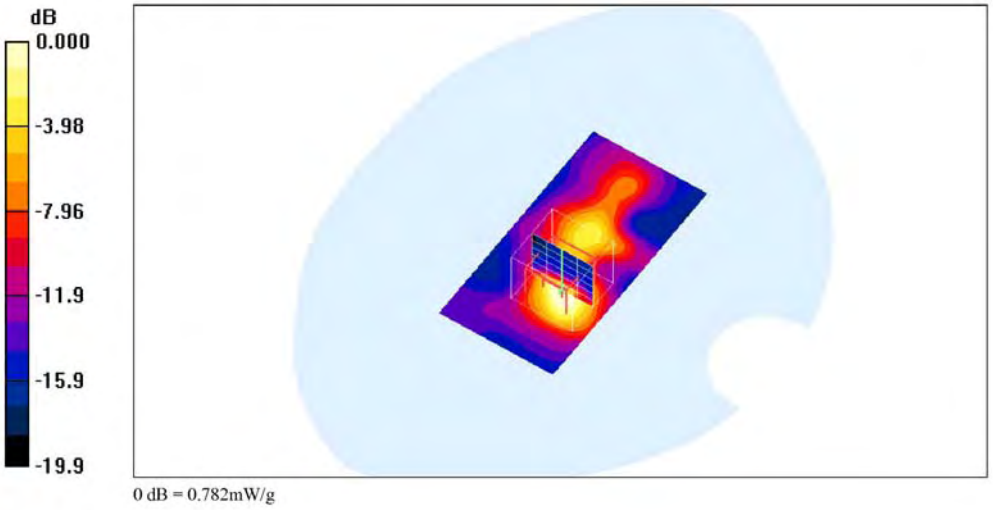
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5220 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5220 MHz; σ = 5.21 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3
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



0 dB = 0.782mW/g

Ant 1_802.11a_CH44_orientation B

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

Test Laboratory: Electronics Testing Center, Taiwan

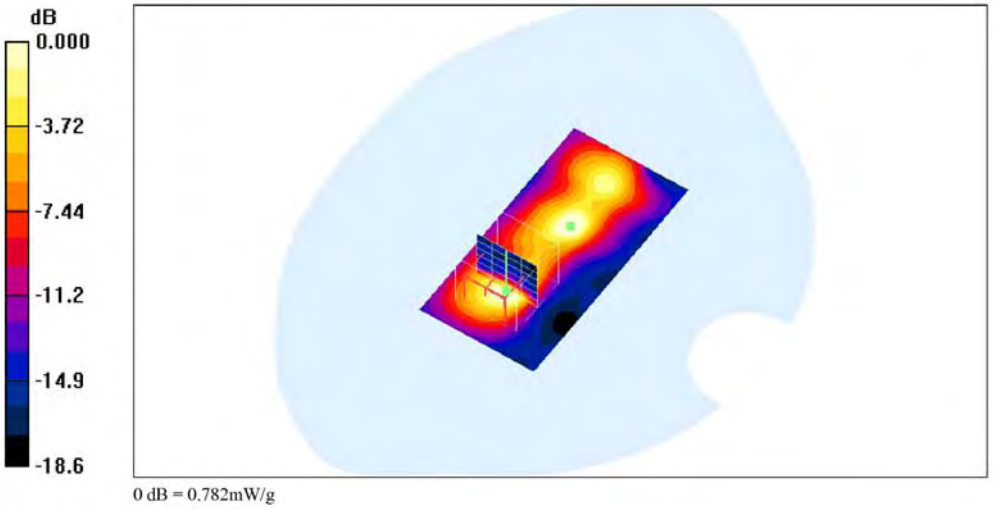
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5220 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5220 MHz; σ = 5.21 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3
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



0 dB = 0.782mW/g

Ant 1_802.11a_CH44_orientation C

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

Test Laboratory: Electronics Testing Center, Taiwan

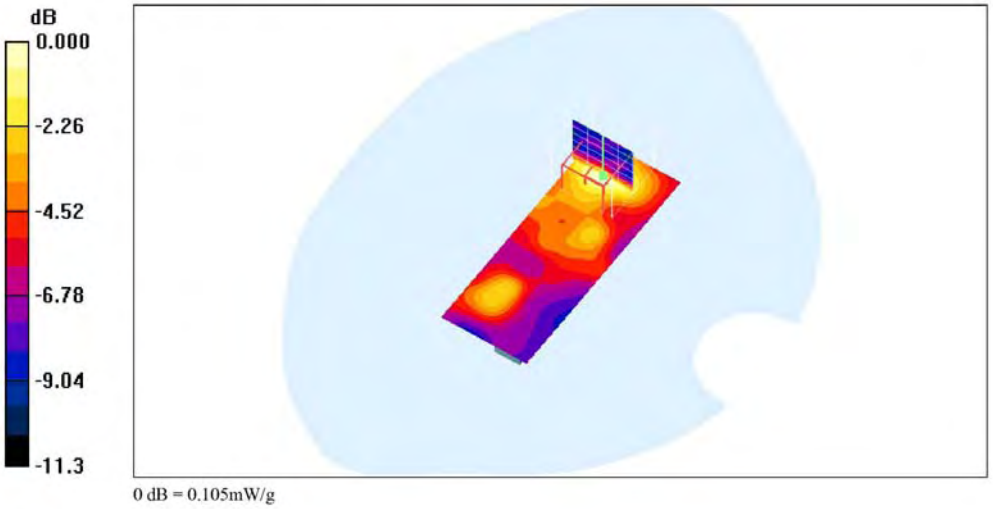
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5220 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5220 MHz; σ = 5.21 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3
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



0 dB = 0.105mW/g

Ant 1_802.11a_CH44_orientation D

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

Test Laboratory: Electronics Testing Center, Taiwan

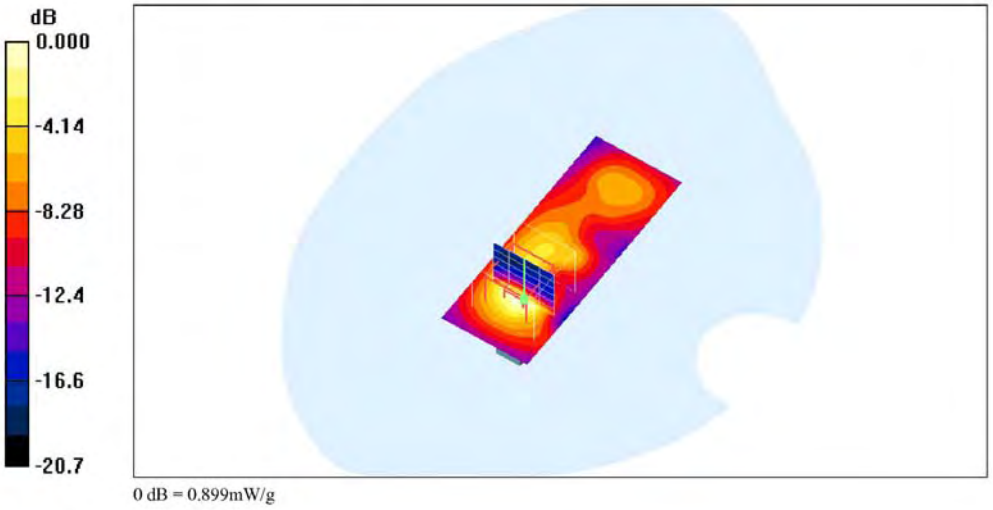
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5220 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5220 MHz; σ = 5.21 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3
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



0 dB = 0.899mW/g

Ant 1_802.11a_CH52_orientation A

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

Test Laboratory: Electronics Testing Center, Taiwan

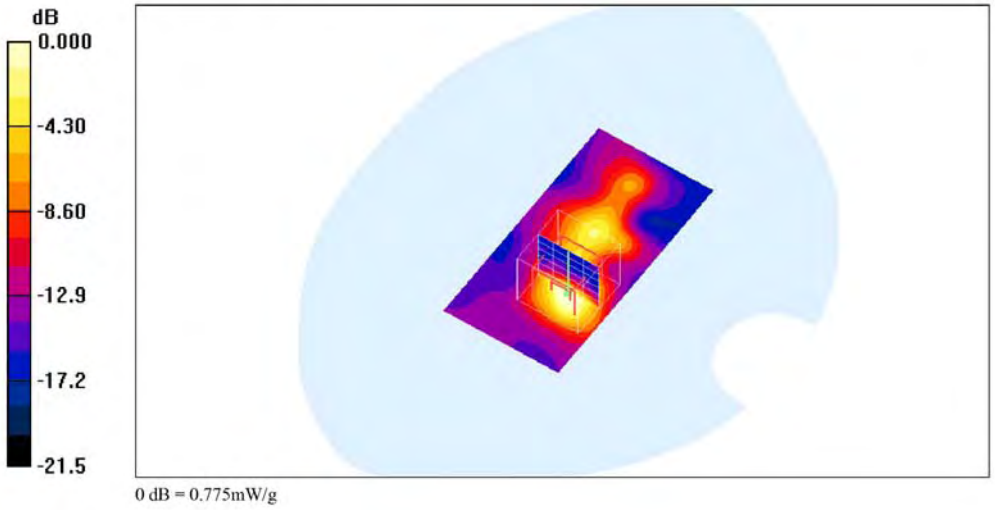
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; σ = 5.27 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3
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



0 dB = 0.775mW/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

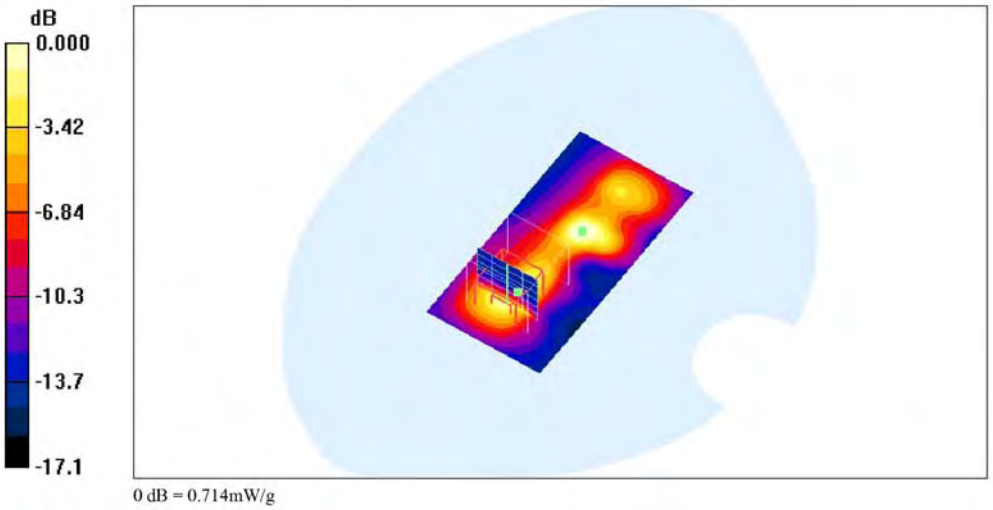
Communication System: IEEE 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; σ = 5.27 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3
Air temperature:20 degC; Liquid temperature:21.5 degC;
Phantom section: Flat Section

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



0 dB = 0.714mW/g

Ant 1_802.11a_CH52_orientation C

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

Test Laboratory: Electronics Testing Center, Taiwan

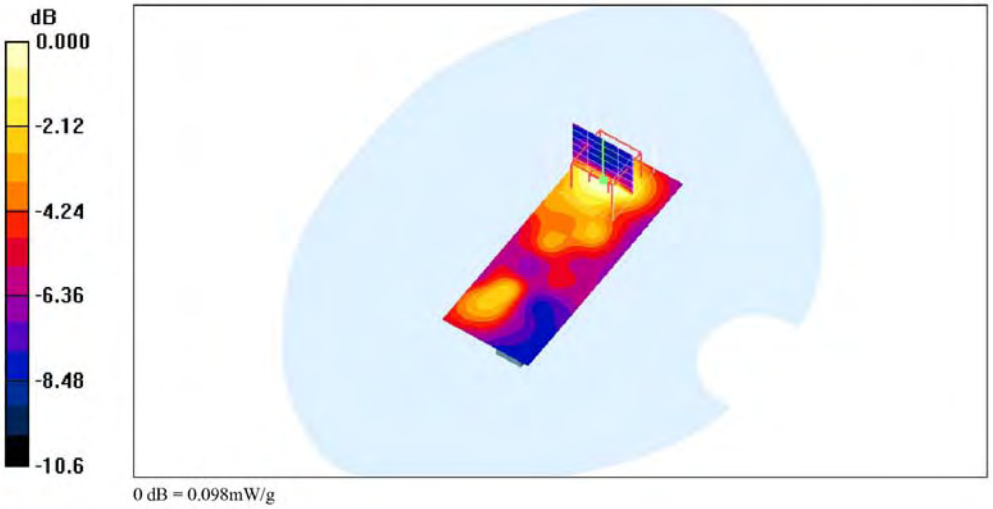
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; σ = 5.27 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3
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



0 dB = 0.098mW/g

Ant 1_802.11a_CH52_orientation D

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

Test Laboratory: Electronics Testing Center, Taiwan

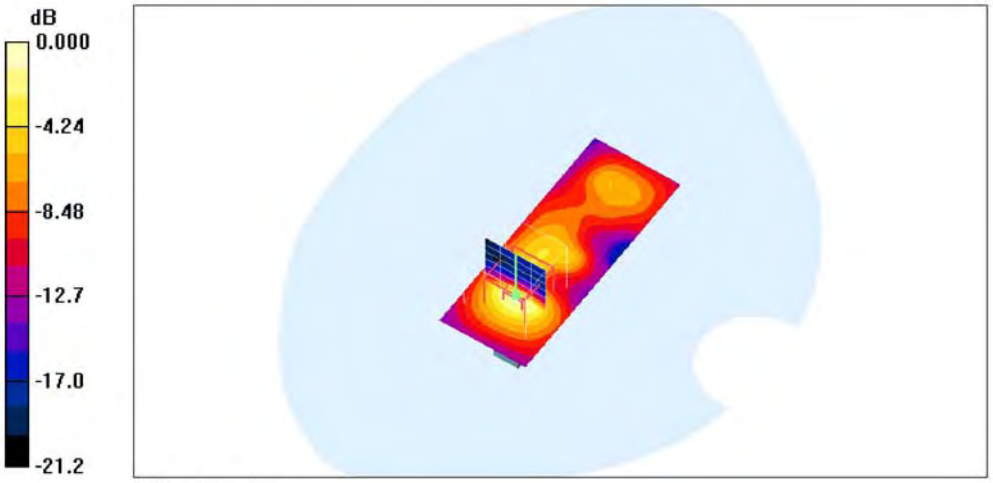
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A
Program Name: Unnamed Program

Communication System: IEEE 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; σ = 5.27 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3
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



0 dB = 0.978mW/g

Ant 1_802.11a_CH60_orientation A

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

Test Laboratory: Electronics Testing Center, Taiwan

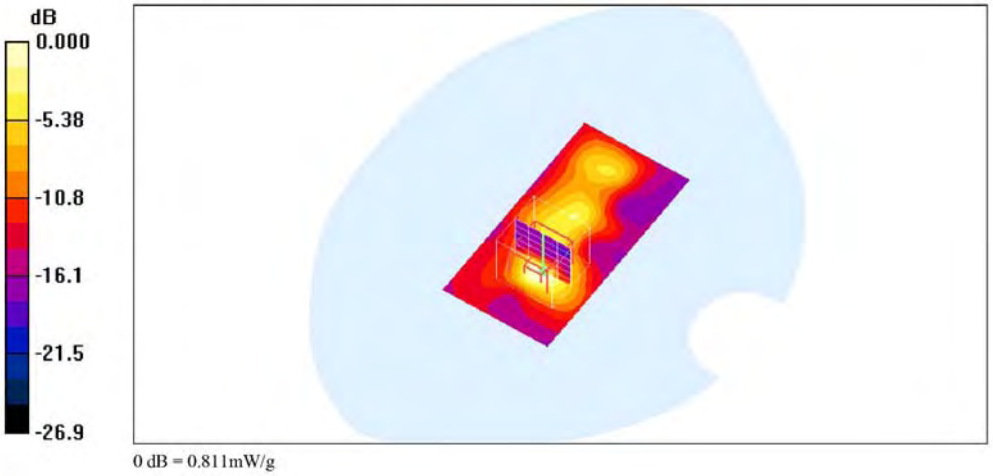
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 5.33 mho/m; ε_r = 49; ρ = 1000 kg/m^3
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



0 dB = 0.811mW/g

Ant 1_802.11a_CH60_orientation B

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

Test Laboratory: Electronics Testing Center, Taiwan

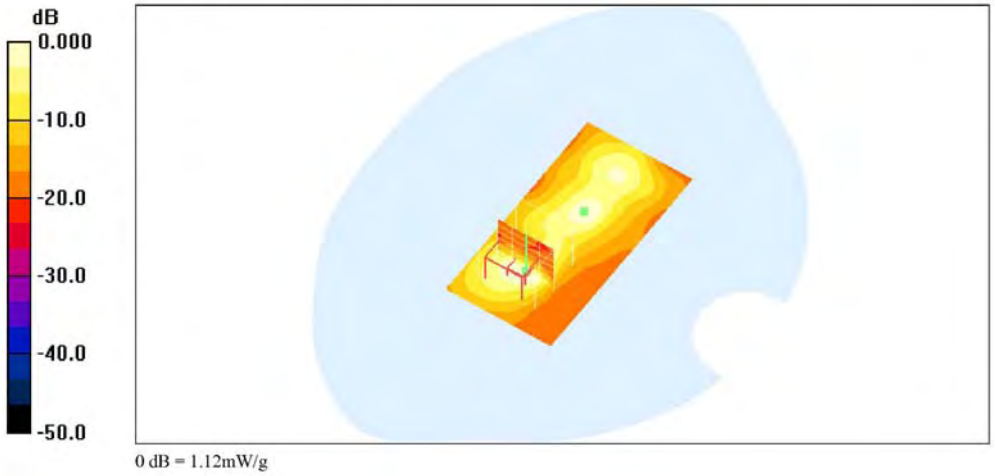
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 5.33 mho/m; ε_r = 49; ρ = 1000 kg/m^3
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



0 dB = 1.12mW/g

Ant 1_802.11a_CH60_orientation C

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

Test Laboratory: Electronics Testing Center, Taiwan

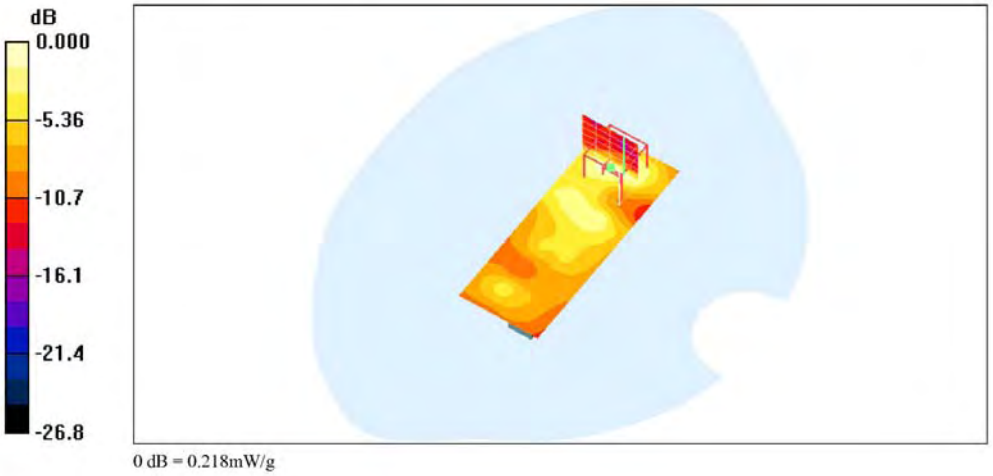
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 5.33 mho/m; ε_r = 49; ρ = 1000 kg/m^3
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



0 dB = 0.218mW/g

Ant 1_802.11a_CH60_orientation D

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

Test Laboratory: Electronics Testing Center, Taiwan

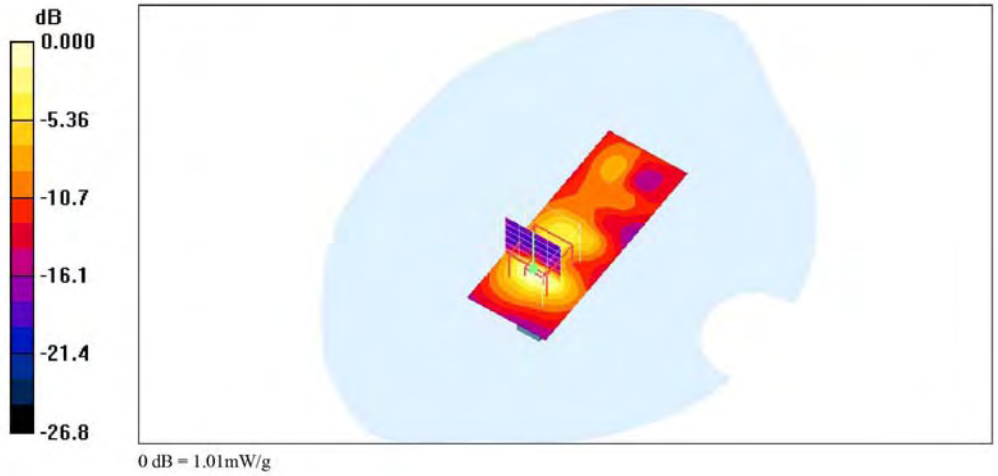
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 5.33 mho/m; ε_r = 49; ρ = 1000 kg/m^3
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



0 dB = 1.01mW/g

Ant 1_802.11a_CH104_orientation A

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

Test Laboratory: Electronics Testing Center, Taiwan

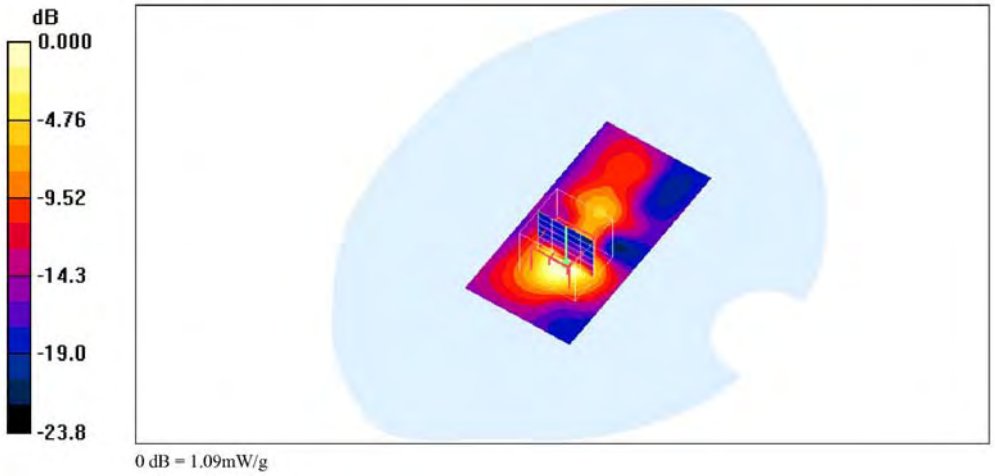
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5520 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5520 MHz; σ = 5.66 mho/m; ε_r = 48.6; ρ = 1000 kg/m^3
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



0 dB = 1.09mW/g

Ant 1_802.11a_CH104_orientation B

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

Test Laboratory: Electronics Testing Center, Taiwan

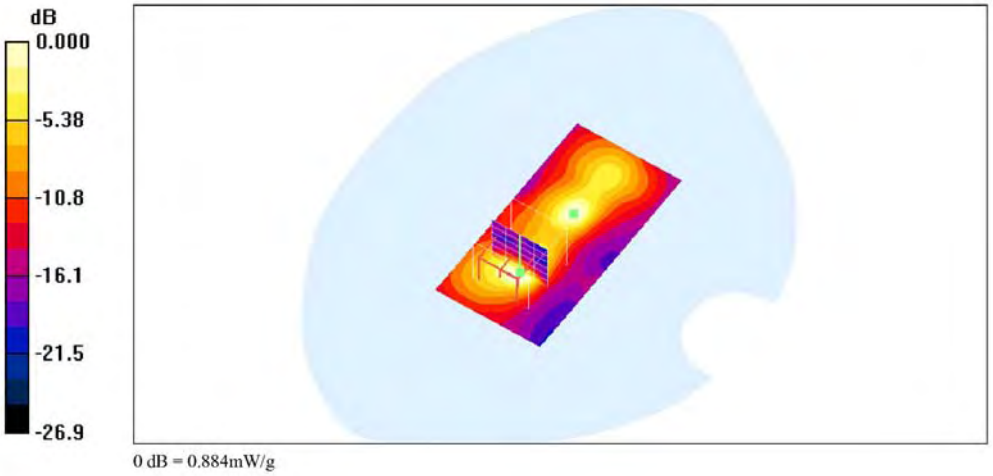
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5520 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5520 MHz; σ = 5.66 mho/m; ε_r = 48.6; ρ = 1000 kg/m^3
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



0 dB = 0.884mW/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

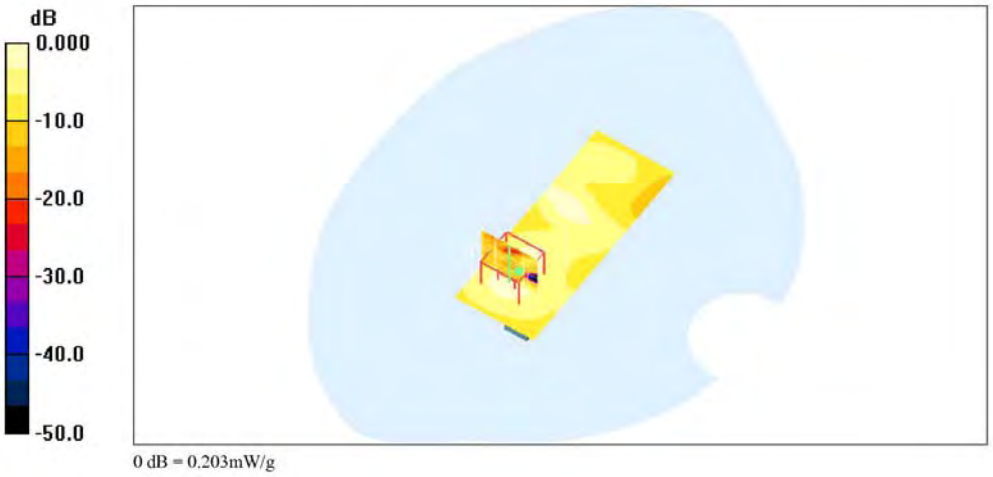
Communication System: IEEE 802.11a; Frequency: 5520 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5520 MHz; σ = 5.66 mho/m; ε_r = 48.6; ρ = 1000 kg/m^3
Air temperature:21 degC; Liquid temperature:22.3 degC;
Phantom section: Flat Section

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



0 dB = 0.203mW/g

Ant 1_802.11a_CH104_orientation D

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

Test Laboratory: Electronics Testing Center, Taiwan

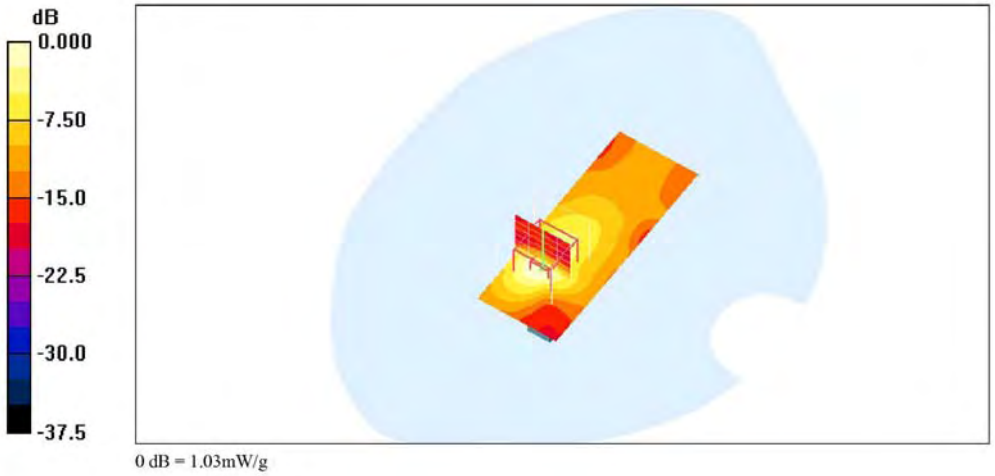
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5520 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5520 MHz; σ = 5.66 mho/m; ε_r = 48.6; ρ = 1000 kg/m^3
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



0 dB = 1.03mW/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

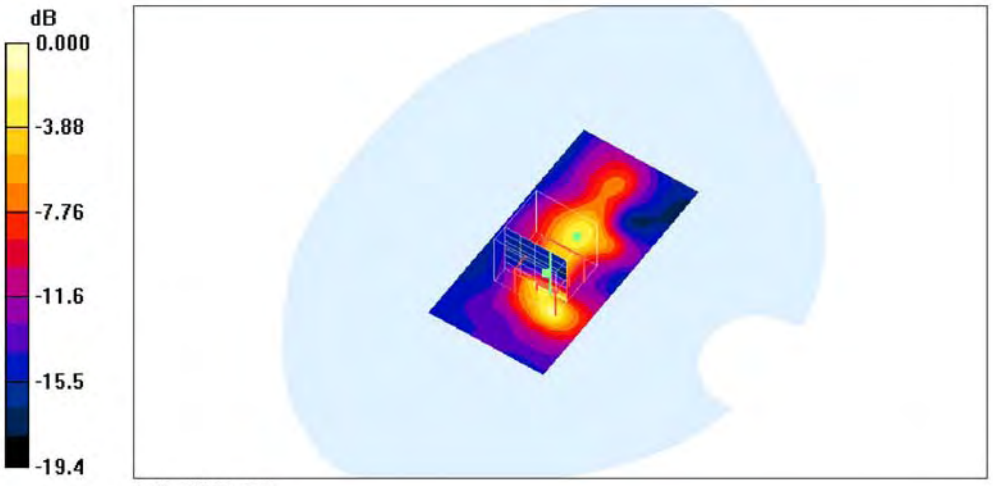
Communication System: IEEE 802.11a; Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.78 mho/m; ε_r = 48.4; ρ = 1000 kg/m^3
Air temperature:20 degC; Liquid temperature:21.5 degC;
Phantom section: Flat Section

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



0 dB = 0.899mW/g

Ant 1_802.11a_CH120_orientation B

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

Test Laboratory: Electronics Testing Center, Taiwan

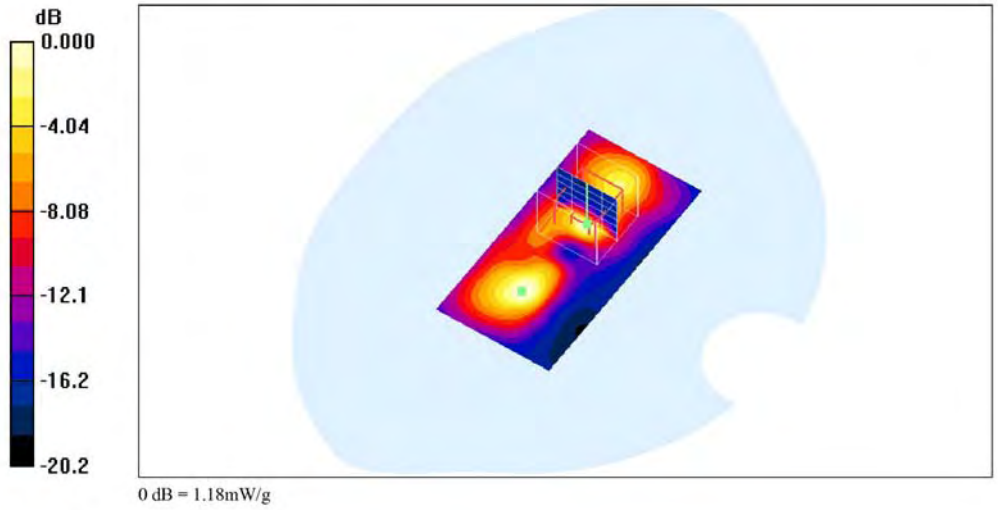
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.78 mho/m; ε_r = 48.4; ρ = 1000 kg/m^3
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



0 dB = 1.18mW/g

Ant 1_802.11a_CH120_orientation C

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

Test Laboratory: Electronics Testing Center, Taiwan

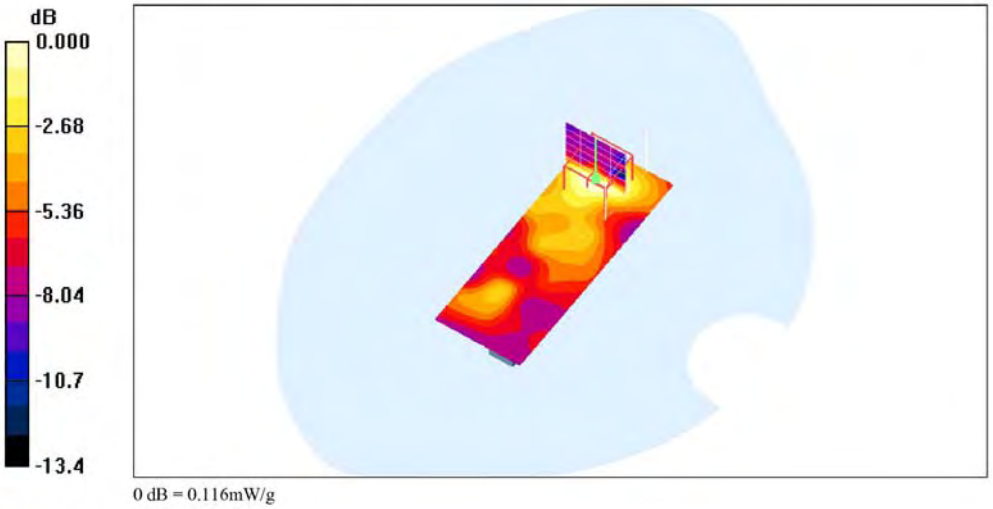
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.78 mho/m; ε_r = 48.4; ρ = 1000 kg/m^3
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



0 dB = 0.116mW/g

Ant 1_802.11a_CH120_orientation D

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

Test Laboratory: Electronics Testing Center, Taiwan

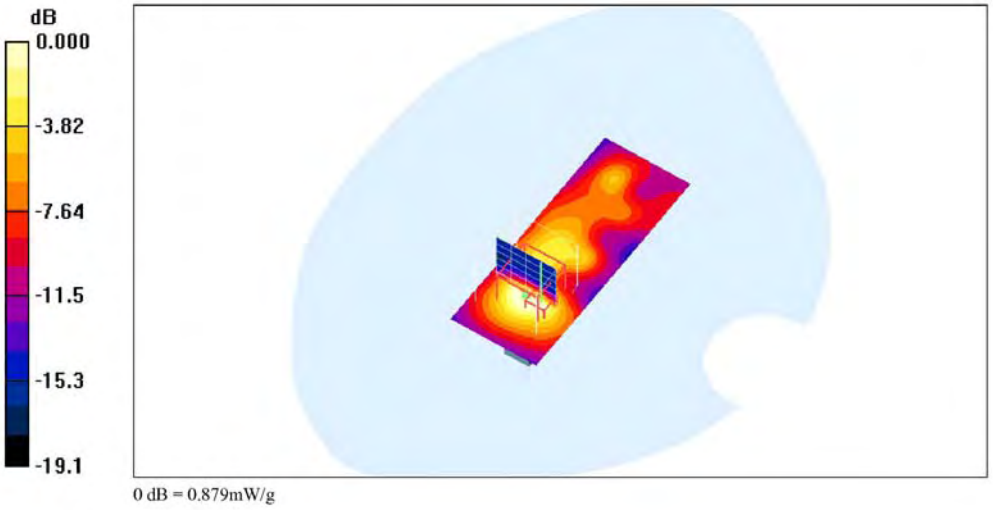
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.78 mho/m; ε_r = 48.4; ρ = 1000 kg/m^3
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



0 dB = 0.879mW/g

Ant 1_802.11a_CH140_orientation A

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

Test Laboratory: Electronics Testing Center, Taiwan

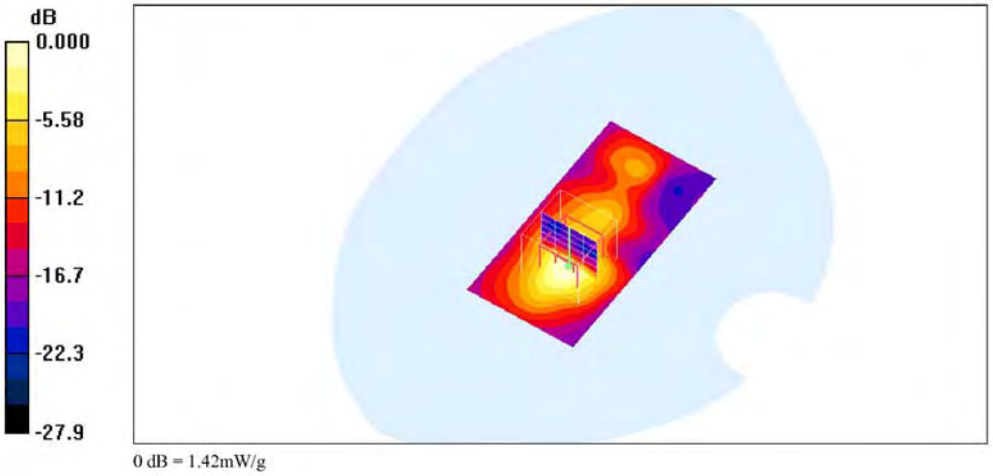
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5700 MHz; σ = 5.94 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3
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



0 dB = 1.42mW/g

Ant 1_802.11a_CH140_orientation B

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

Test Laboratory: Electronics Testing Center, Taiwan

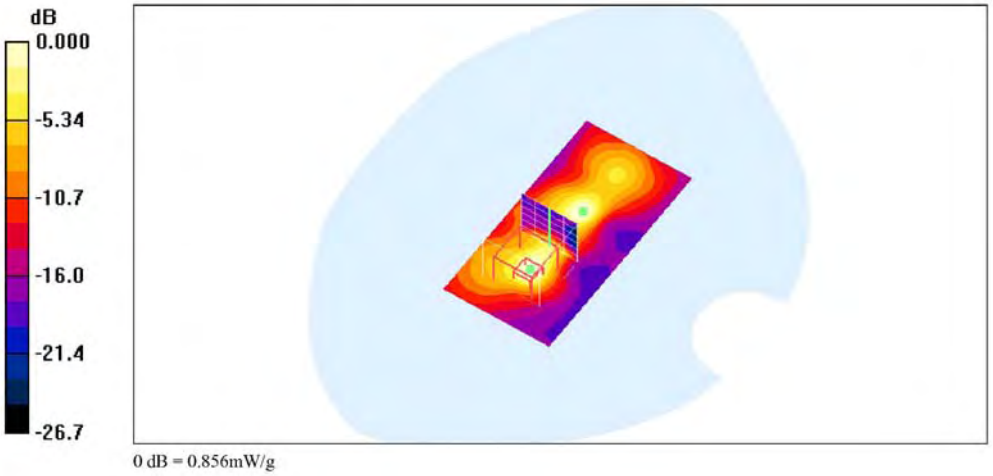
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5700 MHz; σ = 5.94 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3
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



0 dB = 0.856mW/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

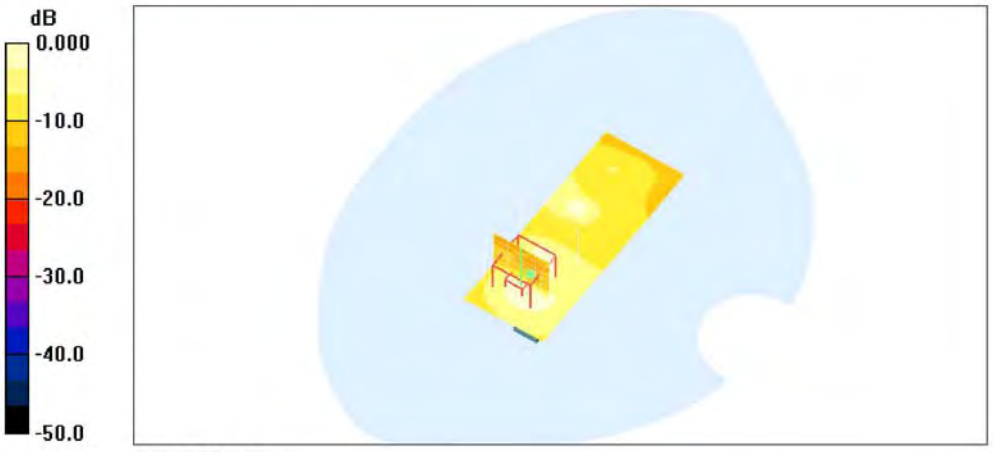
Communication System: IEEE 802.11a; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5700 MHz; σ = 5.94 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3
Air temperature:21 degC; Liquid temperature:22.3 degC;
Phantom section: Flat Section

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



0 dB = 0.240mW/g

Ant 1_802.11a_CH140_orientation D

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

Test Laboratory: Electronics Testing Center, Taiwan

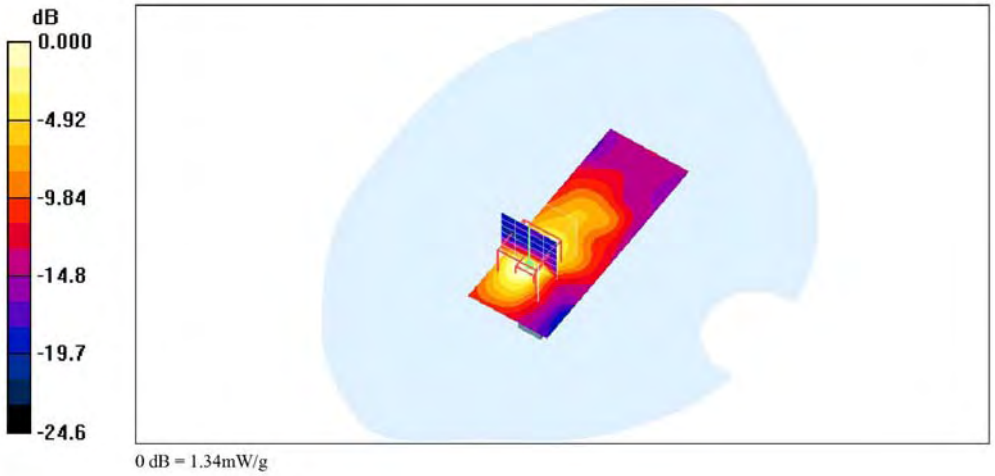
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5700 MHz; σ = 5.94 mho/m; ε_r = 48.2; ρ = 1000 kg/m^3
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



0 dB = 1.34mW/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; σ = 5.99 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3
Air temperature:22 degC; Liquid temperature:22.5 degC;
Phantom section: Flat Section

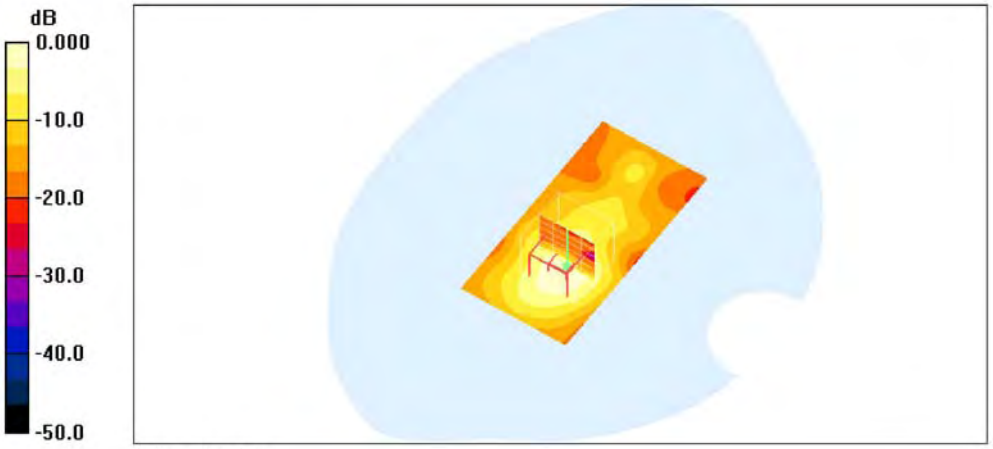
DASY4 Configuration:
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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



0 dB = 1.17mW/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; σ = 5.99 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3
Air temperature:22 degC; Liquid temperature:22.5 degC;
Phantom section: Flat Section

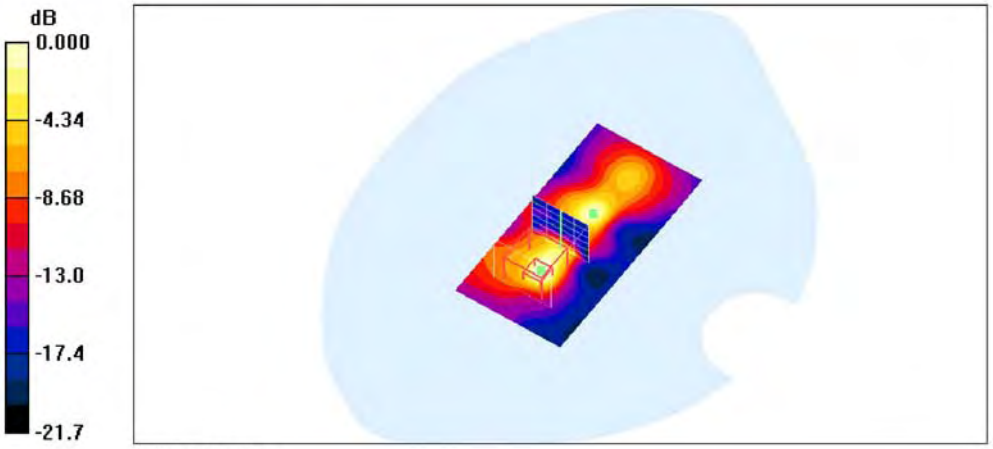
DASY4 Configuration:
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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



0 dB = 0.770mW/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; σ = 5.99 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3
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

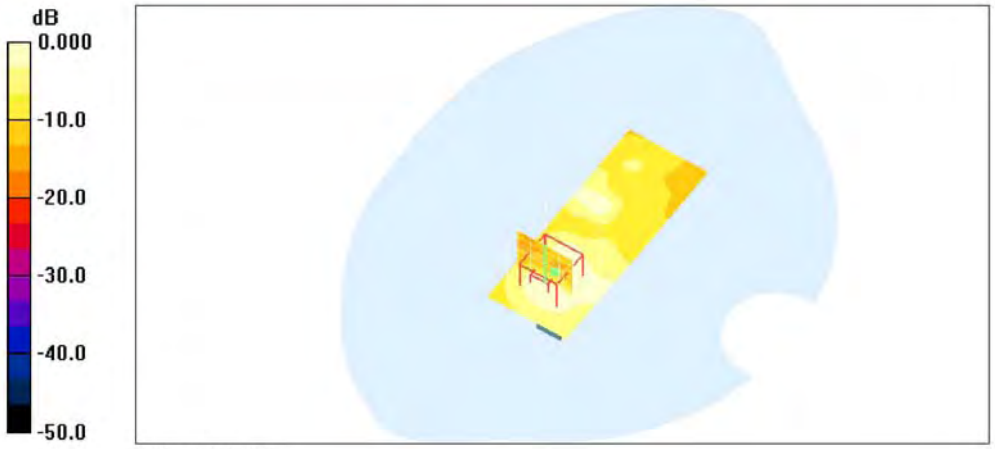
Ant 1_802.11a_CH149_orientation C/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm

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



0 dB = 0.207mW/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; σ = 5.99 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3
Air temperature:21 degC; Liquid temperature:22.3 degC;
Phantom section: Flat Section

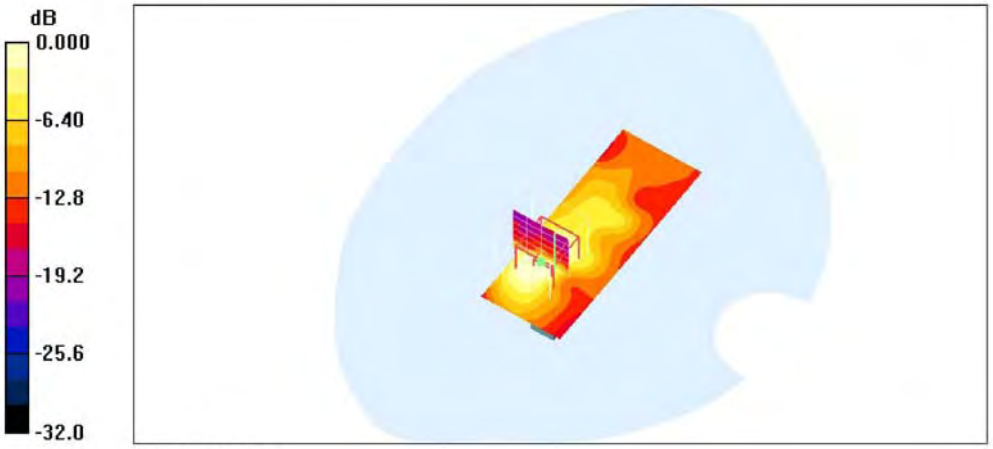
DASY4 Configuration:
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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



0 dB = 0.855mW/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; σ = 6.03 mho/m; ε_r = 48; ρ = 1000 kg/m^3
Air temperature:20 degC; Liquid temperature:21.5 degC;
Phantom section: Flat Section

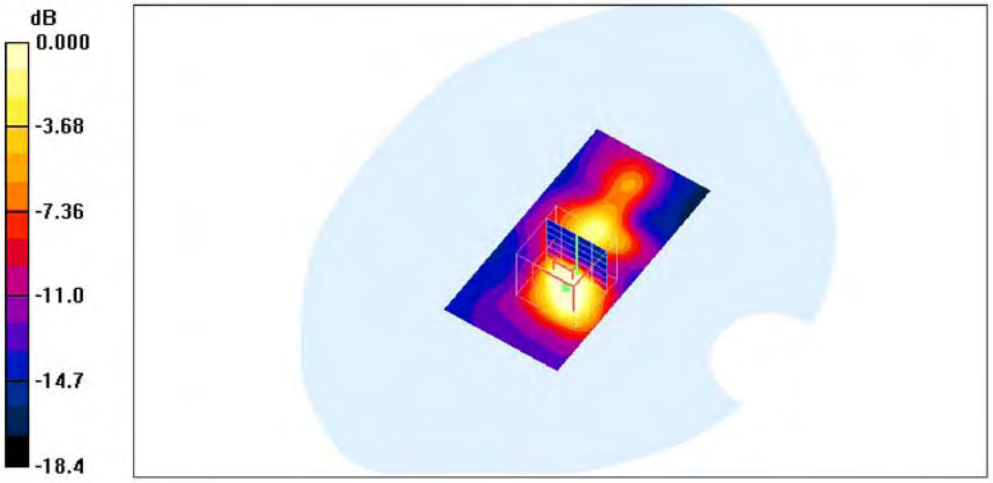
DASY4 Configuration:
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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



0 dB = 0.697mW/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; σ = 6.03 mho/m; ε_r = 48; ρ = 1000 kg/m^3
Air temperature:20 degC; Liquid temperature:21.5 degC;
Phantom section: Flat Section

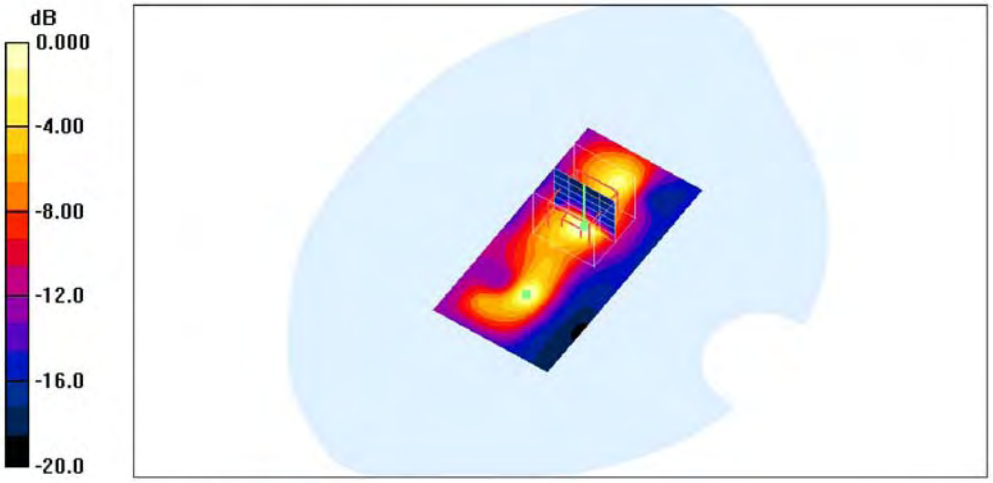
DASY4 Configuration:
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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



0 dB = 1.15mW/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; σ = 6.03 mho/m; ε_r = 48; ρ = 1000 kg/m^3
Air temperature:20 degC; Liquid temperature:21.5 degC;
Phantom section: Flat Section

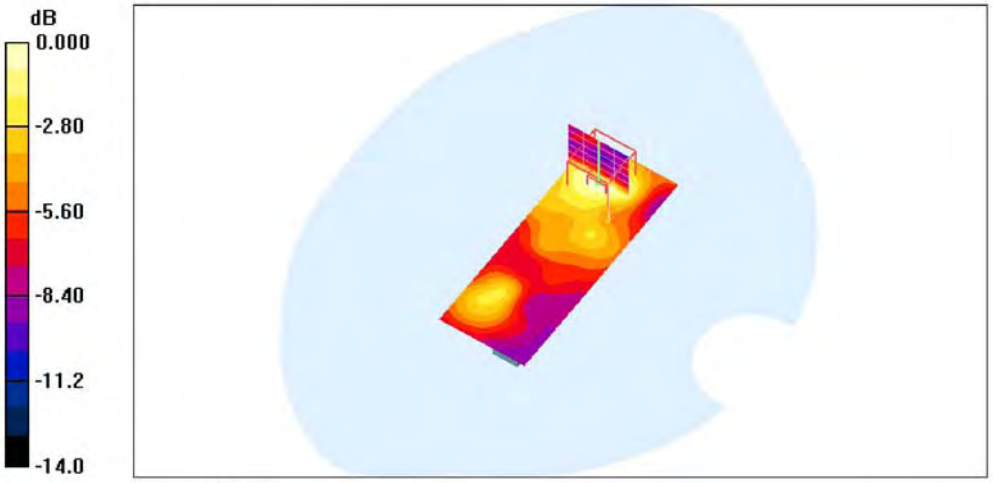
DASY4 Configuration:
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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



0 dB = 0.125mW/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; σ = 6.03 mho/m; ε_r = 48; ρ = 1000 kg/m^3
Air temperature:20 degC; Liquid temperature:21.5 degC;
Phantom section: Flat Section

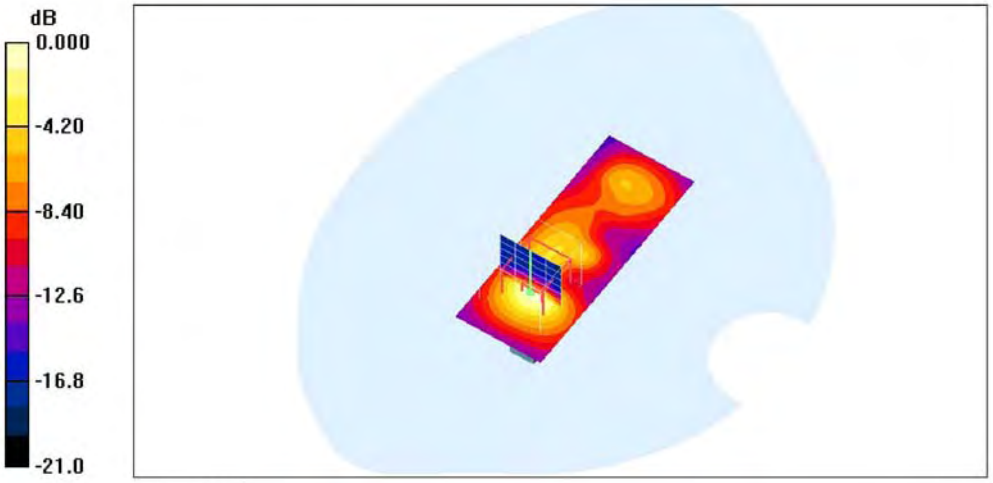
DASY4 Configuration:
- Probe: EX3DV4 - SN3555; ConvF(3.82, 3.82, 3.82); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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



0 dB = 1.15mW/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

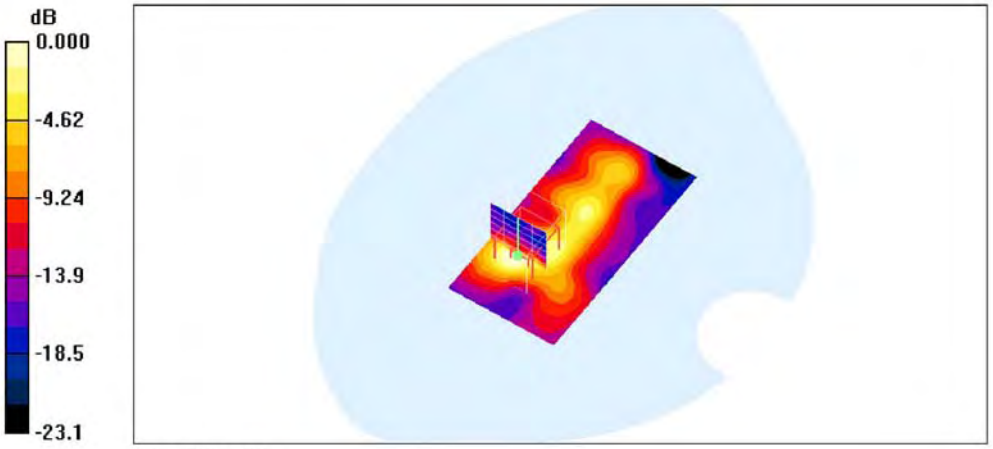
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.18 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3
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



0 dB = 0.614mW/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

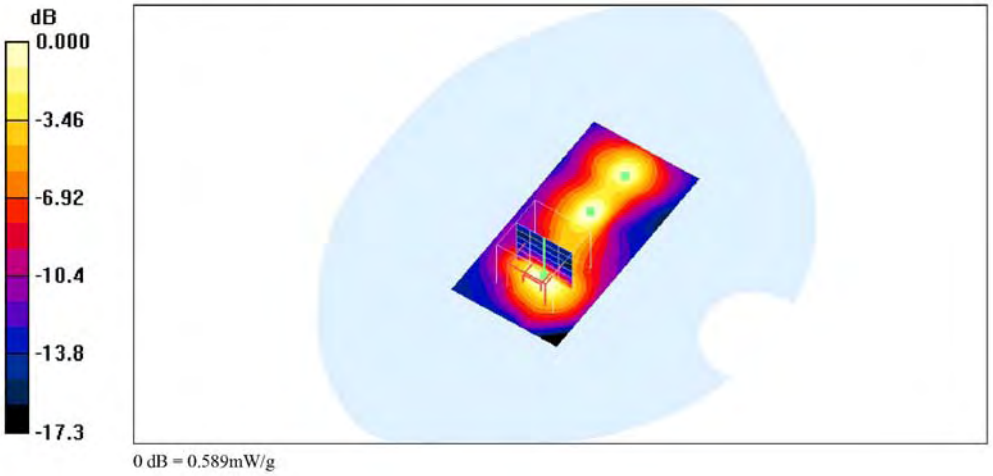
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.18 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3
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



0 dB = 0.589mW/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

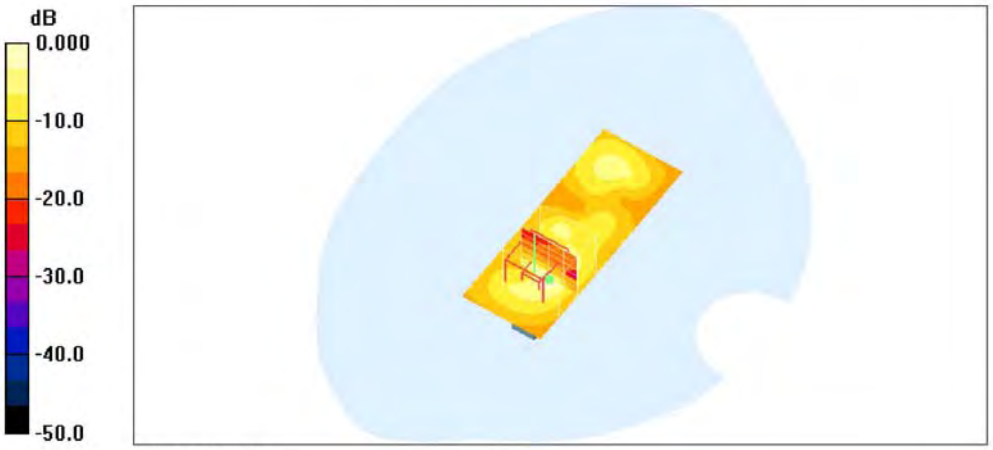
Communication System: IEEE 802.11a; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.18 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3
Air temperature:21 degC; Liquid temperature:22.3 degC;
Phantom section: Flat Section

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



0 dB = 0.684mW/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

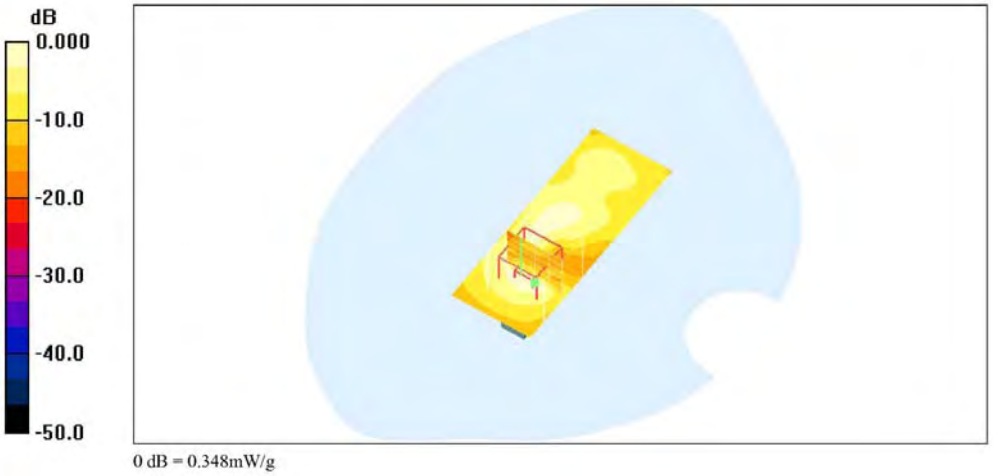
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.18 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3
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



0 dB = 0.348mW/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

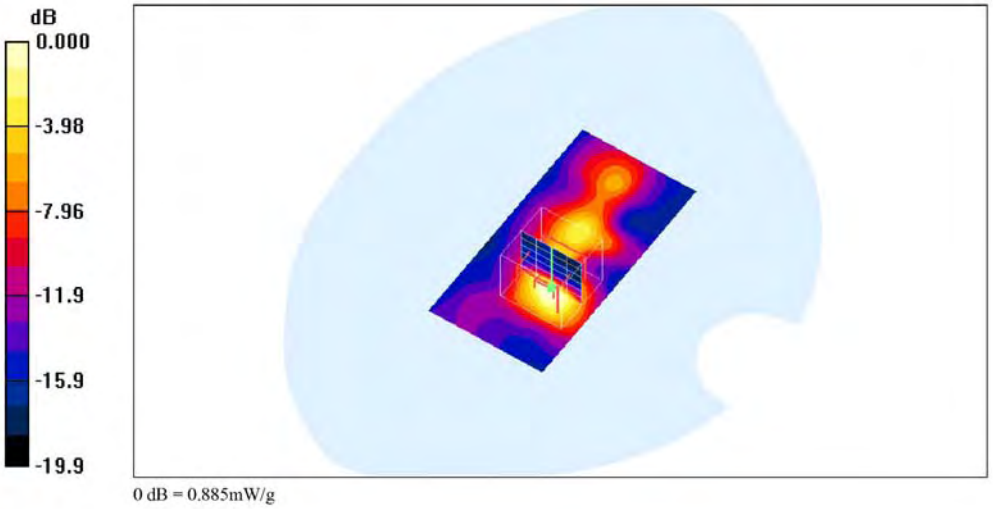
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5220 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5220 MHz; σ = 5.21 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3
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



0 dB = 0.885mW/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

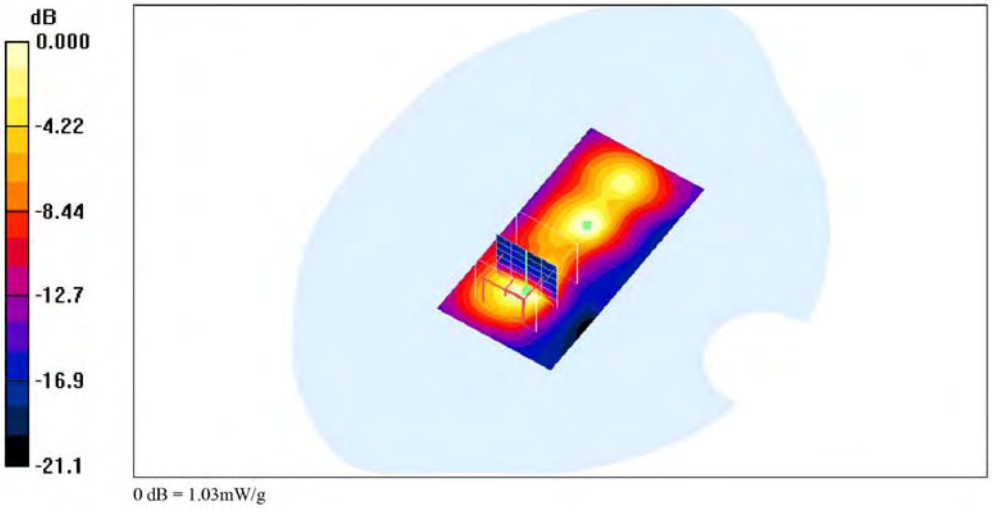
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5220 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5220 MHz; σ = 5.21 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3
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



0 dB = 1.03mW/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

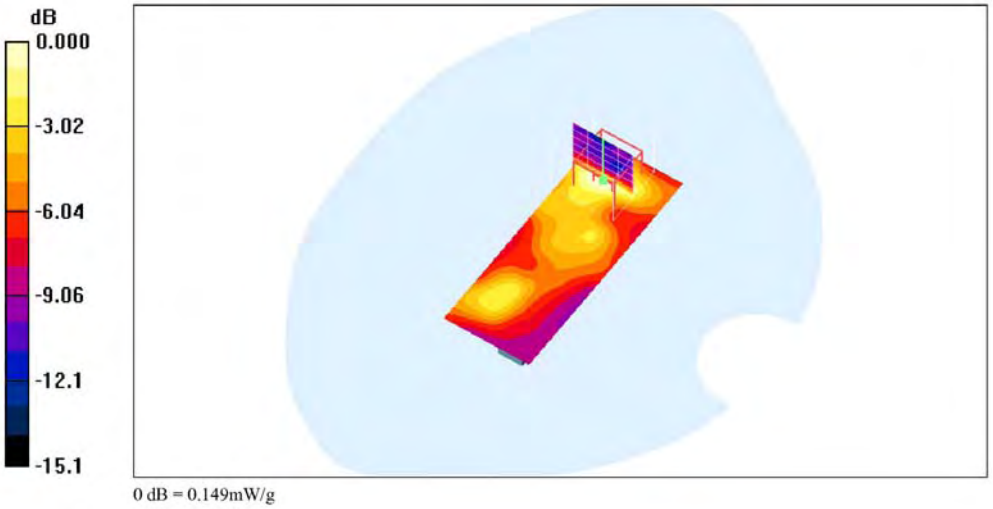
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5220 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5220 MHz; σ = 5.21 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3
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



0 dB = 0.149mW/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

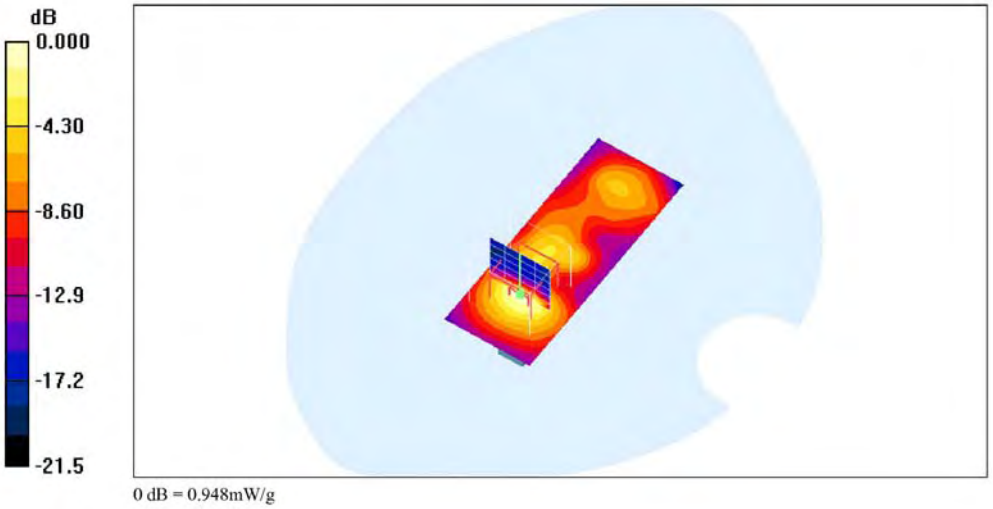
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5220 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5220 MHz; σ = 5.21 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3
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



0 dB = 0.948mW/g

Ant 0+1_802.11an HT20_CH52_orientation A

Date/Time: 4/13/2009 12:17:17 PM

Test Laboratory: Electronics Testing Center, Taiwan

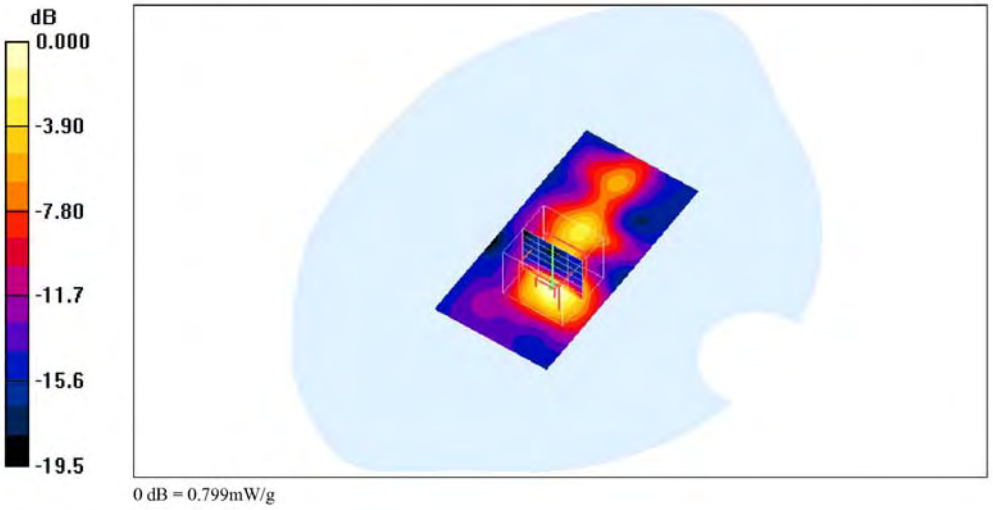
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; σ = 5.27 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3
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_CH52_orientation A/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.810 mW/g

Ant 0+1_802.11an HT20_CH52_orientation A/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.35 V/m; Power Drift = 0.057 dB
Peak SAR (extrapolated) = 1.78 W/kg
SAR(1 g) = 0.642 mW/g; SAR(10 g) = 0.234 mW/g
Maximum value of SAR (measured) = 0.799 mW/g



0 dB = 0.799mW/g

Ant 0+1_802.11an HT20_CH52_orientation B

Date/Time: 4/13/2009 6:36:03 PM

Test Laboratory: Electronics Testing Center, Taiwan

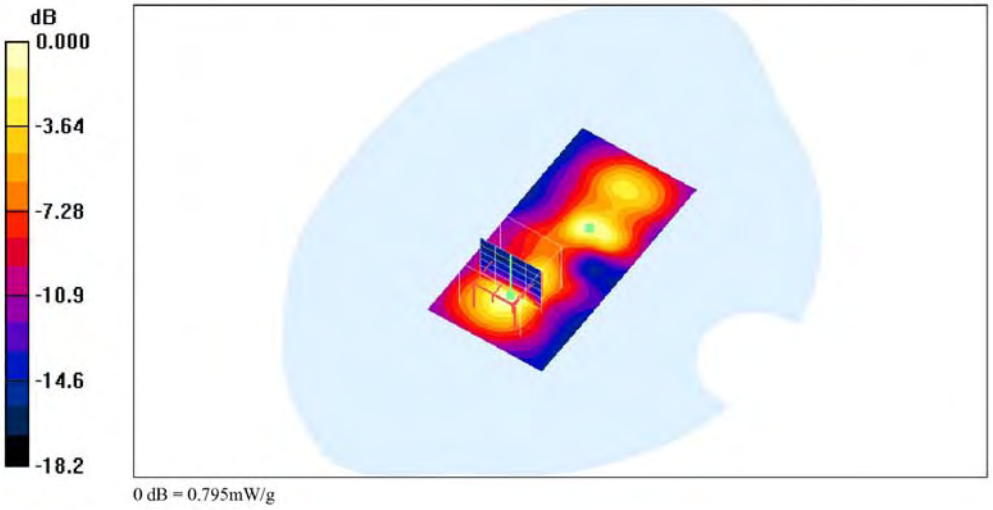
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; σ = 5.27 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3
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_CH52_orientation B/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.46 V/m; Power Drift = 0.045 dB
Peak SAR (extrapolated) = 1.77 W/kg
SAR(1 g) = 0.658 mW/g; SAR(10 g) = 0.243 mW/g
Maximum value of SAR (measured) = 0.795 mW/g

Ant 0+1_802.11an HT20_CH52_orientation B/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.693 mW/g



0 dB = 0.795mW/g

Ant 0+1_802.11an HT20_CH52_orientation C

Date/Time: 4/14/2009 11:47:08 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; σ = 5.27 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3
Air temperature: 20 degC; Liquid temperature: 21.5 degC;
Phantom section: Flat Section

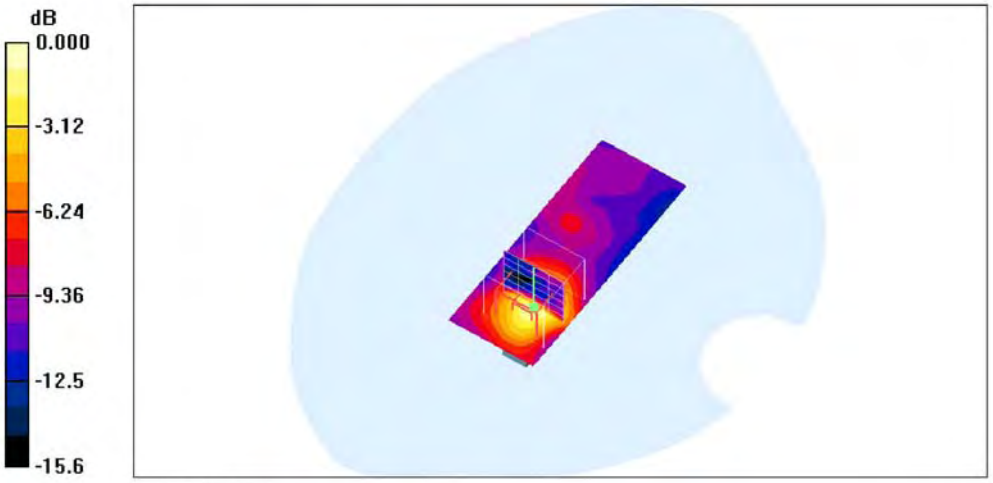
DASY4 Configuration:
- Probe: EX3DV4 - SN3555; ConvF(4.08, 4.08, 4.08); Calibrated: 9/19/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn629; Calibrated: 9/23/2008
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing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

Ant 0+1_802.11an HT20_CH52_orientation C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.41 V/m; Power Drift = 0.023 dB
Peak SAR (extrapolated) = 0.579 W/kg
SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.072 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.224 mW/g

Ant 0+1_802.11an HT20_CH52_orientation C/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.177 mW/g



0 dB = 0.224mW/g

Ant 0+1_802.11an HT20_CH52_orientation D

Date/Time: 4/14/2009 3:44:13 PM

Test Laboratory: Electronics Testing Center, Taiwan

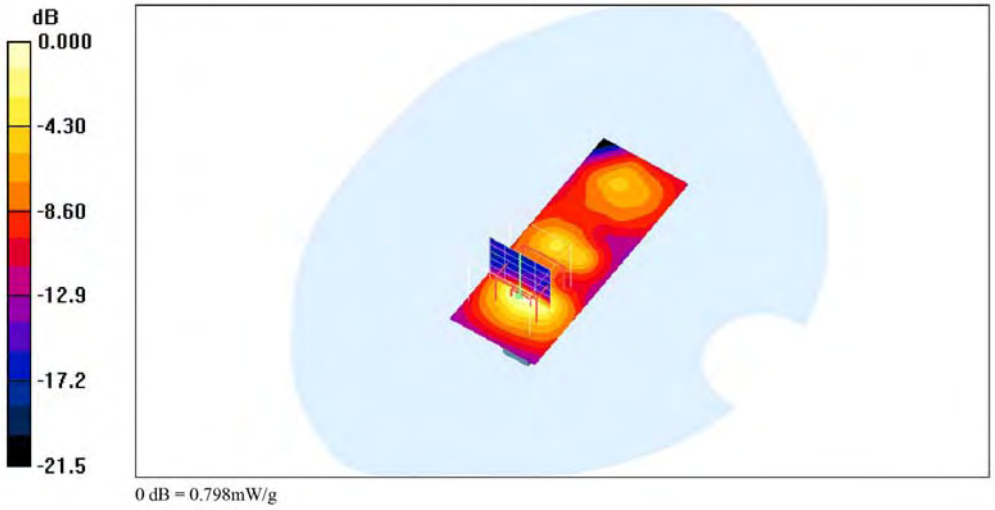
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; σ = 5.27 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3
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_CH52_orientation D/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.668 mW/g

Ant 0+1_802.11an HT20_CH52_orientation D/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.63 V/m; Power Drift = 0.047 dB
Peak SAR (extrapolated) = 1.92 W/kg
SAR(1 g) = 0.695 mW/g; SAR(10 g) = 0.253 mW/g
Maximum value of SAR (measured) = 0.798 mW/g



0 dB = 0.798mW/g

Ant 0+1_802.11an HT20_CH60_orientation A

Date/Time: 5/23/2009 1:24:10 PM

Test Laboratory: Electronics Testing Center, Taiwan

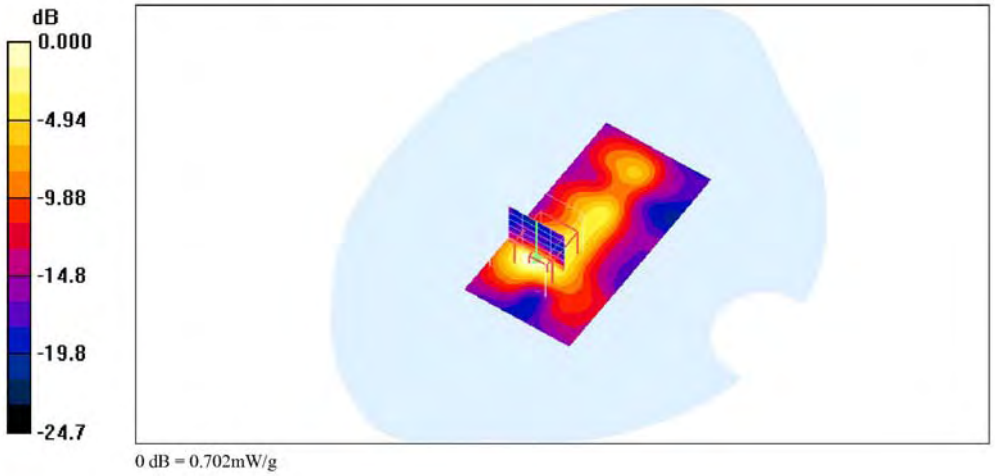
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 5.33 mho/m; ε_r = 49; ρ = 1000 kg/m^3
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_CH60_orientation A/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.696 mW/g

Ant 0+1_802.11an HT20_CH60_orientation A/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.97 V/m; Power Drift = 0.126 dB
Peak SAR (extrapolated) = 3.33 W/kg
SAR(1 g) = 0.732 mW/g; SAR(10 g) = 0.225 mW/g
Maximum value of SAR (measured) = 0.702 mW/g



0 dB = 0.702mW/g

Ant 0+1_802.11an HT20_CH60_orientation B

Date/Time: 5/23/2009 6:56:13 PM

Test Laboratory: Electronics Testing Center, Taiwan

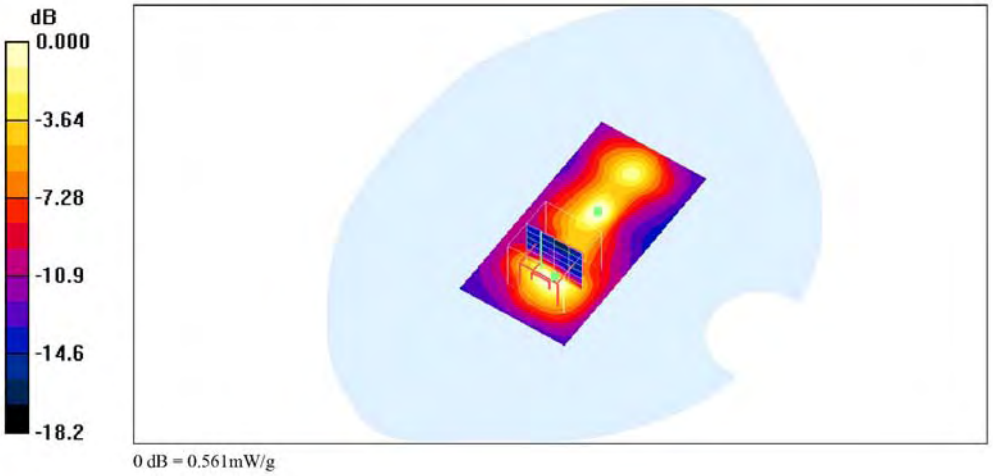
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 5.33 mho/m; ε_r = 49; ρ = 1000 kg/m^3
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_CH60_orientation B/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.74 V/m; Power Drift = 0.169 dB
Peak SAR (extrapolated) = 3.41 W/kg
SAR(1 g) = 0.654 mW/g; SAR(10 g) = 0.227 mW/g
Maximum value of SAR (measured) = 0.561 mW/g

Ant 0+1_802.11an HT20_CH60_orientation B/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.627 mW/g



0 dB = 0.561mW/g

Ant 0+1_802.11an HT20_CH60_orientation C

Date/Time: 5/24/2009 1:15:08 PM

Test Laboratory: Electronics Testing Center, Taiwan

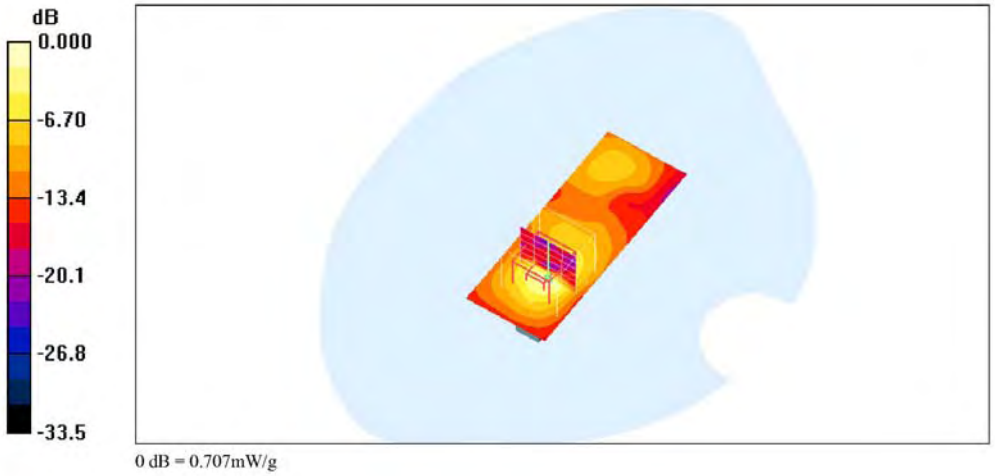
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 5.33 mho/m; ε_r = 49; ρ = 1000 kg/m^3
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_CH60_orientation C/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.503 mW/g

Ant 0+1_802.11an HT20_CH60_orientation C/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.78 V/m; Power Drift = 0.157 dB
Peak SAR (extrapolated) = 2.53 W/kg
SAR(1 g) = 0.640 mW/g; SAR(10 g) = 0.205 mW/g
Maximum value of SAR (measured) = 0.707 mW/g



0 dB = 0.707mW/g

Ant 0+1_802.11an HT20_CH60_orientation D

Date/Time: 5/24/2009 8:26:08 PM

Test Laboratory: Electronics Testing Center, Taiwan

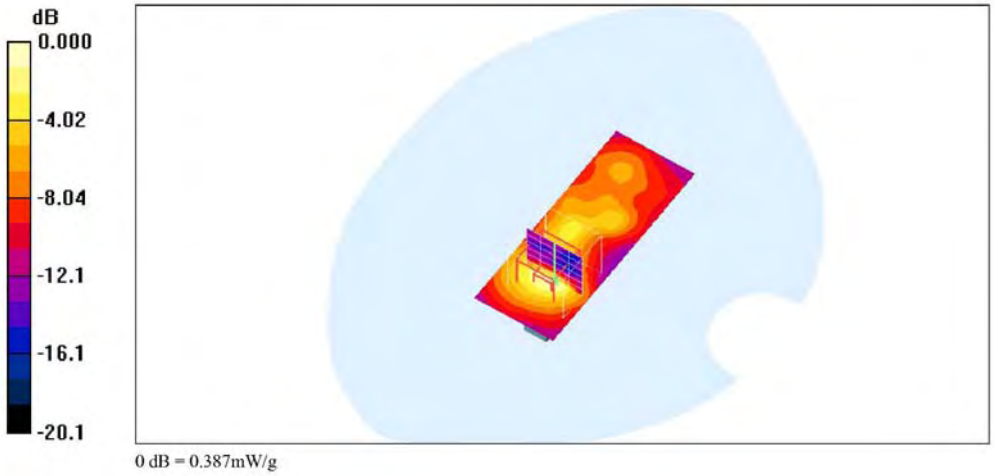
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 5.33 mho/m; ε_r = 49; ρ = 1000 kg/m^3
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_CH60_orientation D/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.323 mW/g

Ant 0+1_802.11an HT20_CH60_orientation D/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.75 V/m; Power Drift = 0.162 dB
Peak SAR (extrapolated) = 0.891 W/kg
SAR(1 g) = 0.316 mW/g; SAR(10 g) = 0.121 mW/g
Maximum value of SAR (measured) = 0.387 mW/g



0 dB = 0.387mW/g

Ant 0+1_802.11an HT20_CH104_orientation A

Date/Time: 5/23/2009 1:42:20 PM

Test Laboratory: Electronics Testing Center, Taiwan

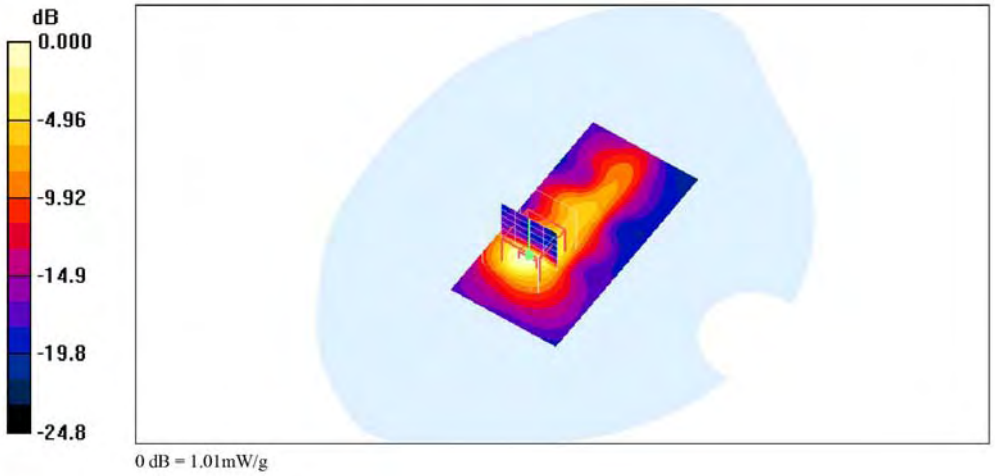
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5520 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5520 MHz; σ = 5.66 mho/m; ε_r = 48.6; ρ = 1000 kg/m^3
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 0+1_802.11an HT20_CH104_orientation A/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.83 V/m; Power Drift = 0.136 dB
Peak SAR (extrapolated) = 2.39 W/kg
SAR(1 g) = 0.863 mW/g; SAR(10 g) = 0.309 mW/g
Maximum value of SAR (measured) = 1.01 mW/g

Ant 0+1_802.11an HT20_CH104_orientation A/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.997 mW/g



0 dB = 1.01mW/g

Ant 0+1_802.11an HT20_CH104_orientation B

Date/Time: 5/23/2009 7:19:57 PM

Test Laboratory: Electronics Testing Center, Taiwan

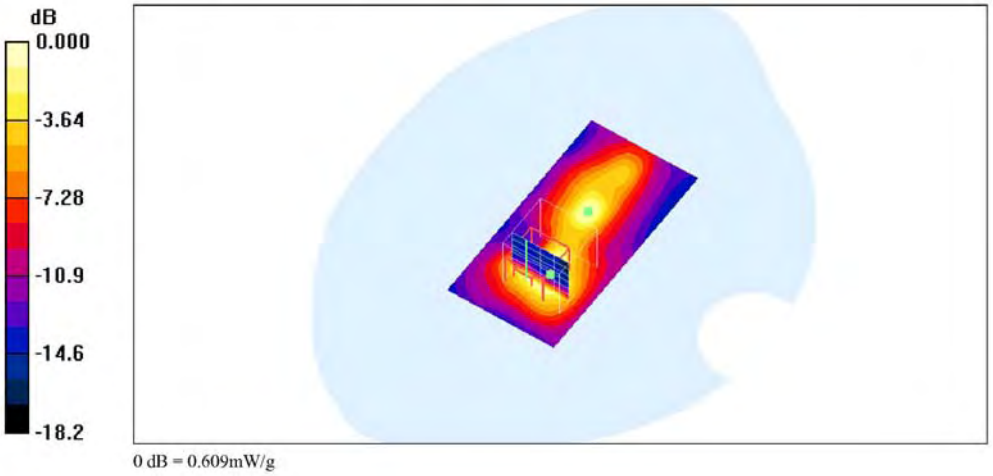
DUT: USB dongle; Type: WNDA3100V2; Serial: N/A

Communication System: IEEE 802.11a; Frequency: 5520 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5520 MHz; σ = 5.66 mho/m; ε_r = 48.6; ρ = 1000 kg/m^3
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 0+1_802.11an HT20_CH104_orientation B/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.66 V/m; Power Drift = 0.197 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.498 mW/g; SAR(10 g) = 0.186 mW/g
Maximum value of SAR (measured) = 0.609 mW/g

Ant 0+1_802.11an HT20_CH104_orientation B/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.641 mW/g



0 dB = 0.609mW/g