

APPENDIX A: TEST CONFIGURATIONS AND TEST DATA

A1: TEST CONFIGURATION

Mode 1 Main Antenna



The bottom of the EUT to the phantom distance is 0mm

Mode 2 Main Antenna



The tip of the EUT to the phantom distance is 0mm

Mode 3 Main Antenna



The front of the EUT to the phantom distance is 0mm

Mode 4 Auxiliary Antenna



The bottom of the EUT to the phantom distance is 0mm

Mode 5 Auxiliary Antenna



The tip of the EUT to the phantom distance is 0mm

Mode 6 Auxiliary Antenna



The front of the EUT to the phantom distance is 0mm

Mode 7 Main Antenna



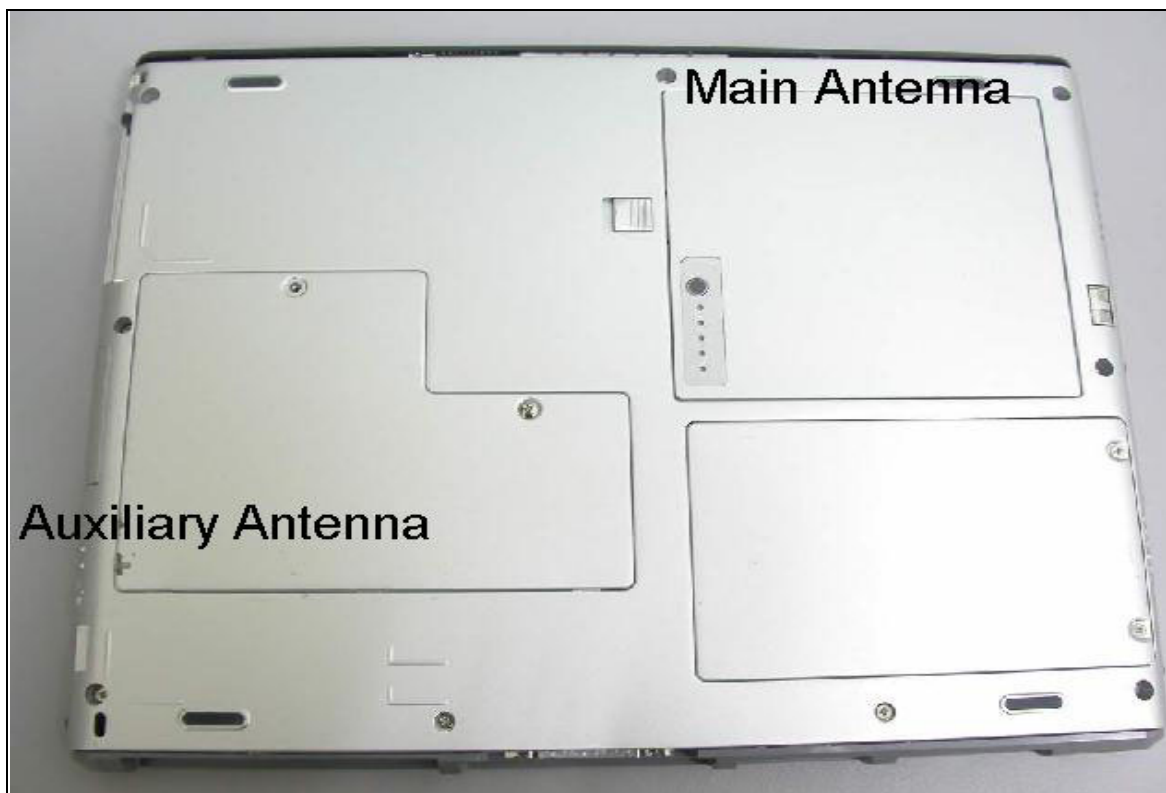
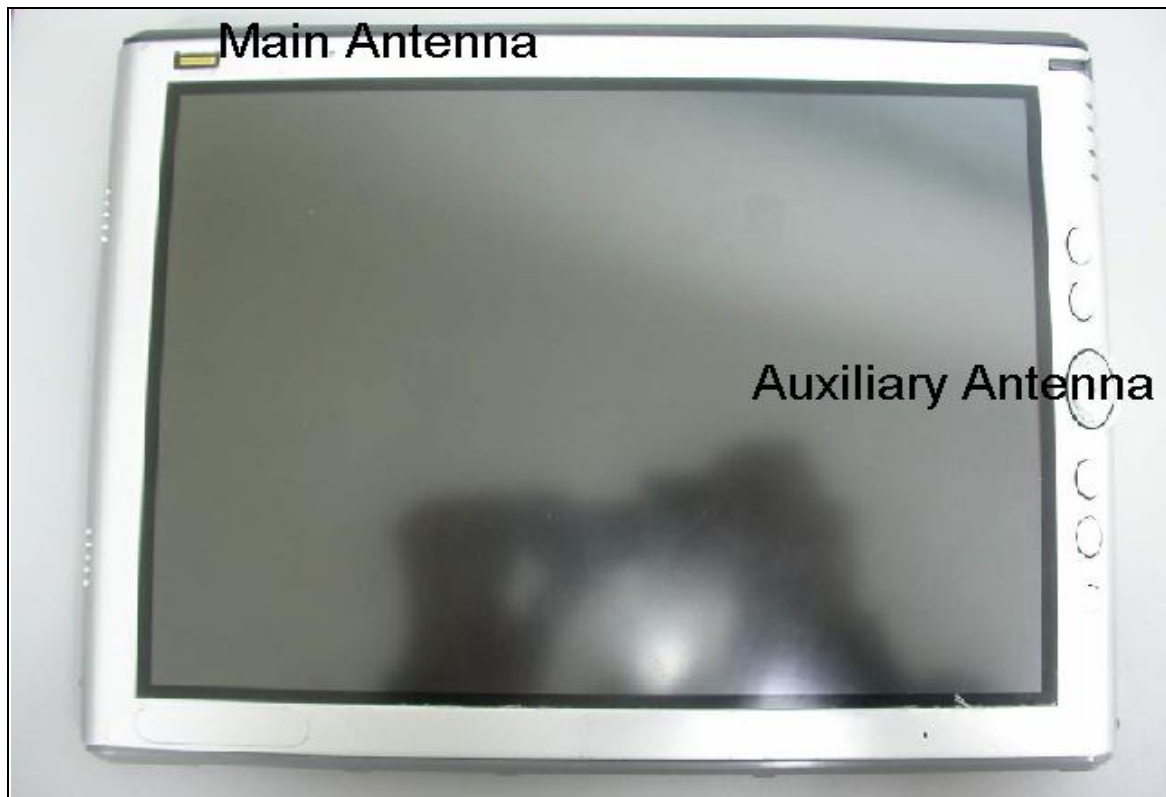
The tip of the EUT to the phantom distance is 0mm

Mode 8 Auxiliary Antenna



The tip of the EUT to the phantom distance is 0mm

EUT Photo



Liquid Level Photo

2450MHz D=150mm



A2 : TEST DATA

Date/Time: 02/24/04 14:20:42

Test Laboratory: Advance Data Technology

WMIB-111AG 11g Main Antenna Mode 1

DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2412 MHz

Communication System: 802.11g ; Frequency: 2412 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 1.983$ mho/m, $\epsilon_r = 51.5482$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The bottom of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510;
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 1/Area Scan (61x41x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 6.38 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.118 mW/g

Channel 1/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

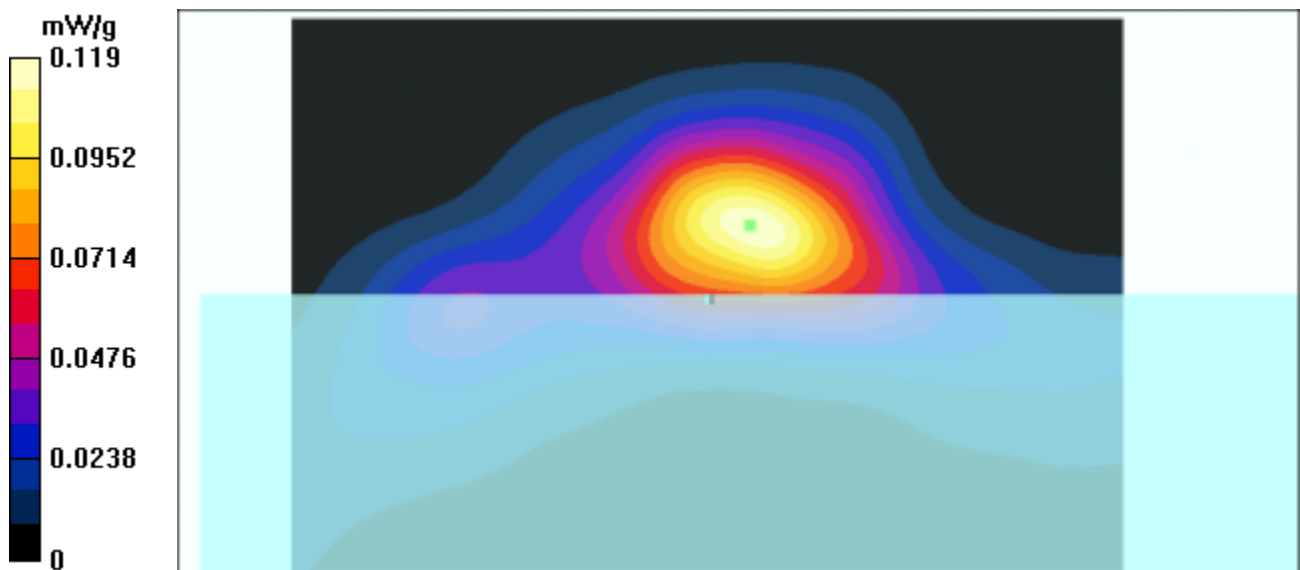
Peak SAR (extrapolated) = 0.251 W/kg

SAR(1 g) = 0.108 mW/g; SAR(10 g) = 0.0467 mW/g

Reference Value = 6.38 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.119 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11g Main Antenna Mode 1

**DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2437 MHz**

Communication System: 802.11g ; Frequency: 2437 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 2.018$ mho/m, $\epsilon_r = 51.4389$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The bottom of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510;
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 6/Area Scan (61x41x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 7.5 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.169 mW/g

Channel 6/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

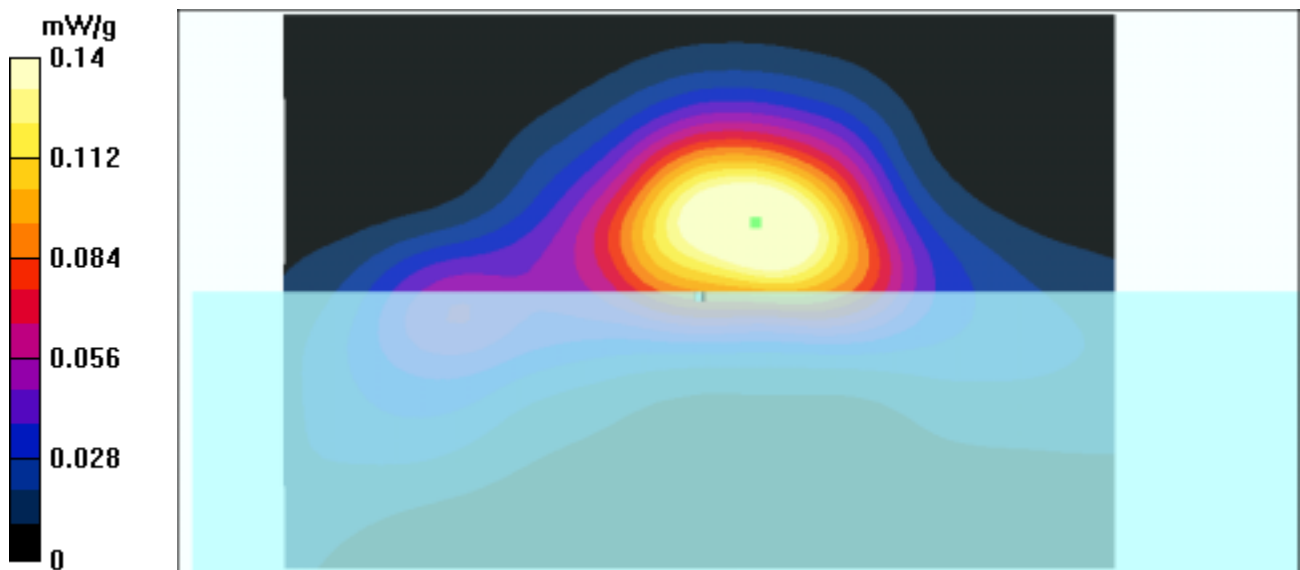
Peak SAR (extrapolated) = 0.327 W/kg

SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.0582 mW/g

Reference Value = 7.5 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.14 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11g Main Antenna Mode 1

DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2462 MHz

Communication System: 802.11g ; Frequency: 2462 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 2.045$ mho/m, $\epsilon_r = 51.3066$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The bottom of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510;
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 11/Area Scan (61x41x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 7.88 V/m

Power Drift = 0.2 dB

Maximum value of SAR = 0.137 mW/g

Channel 11/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

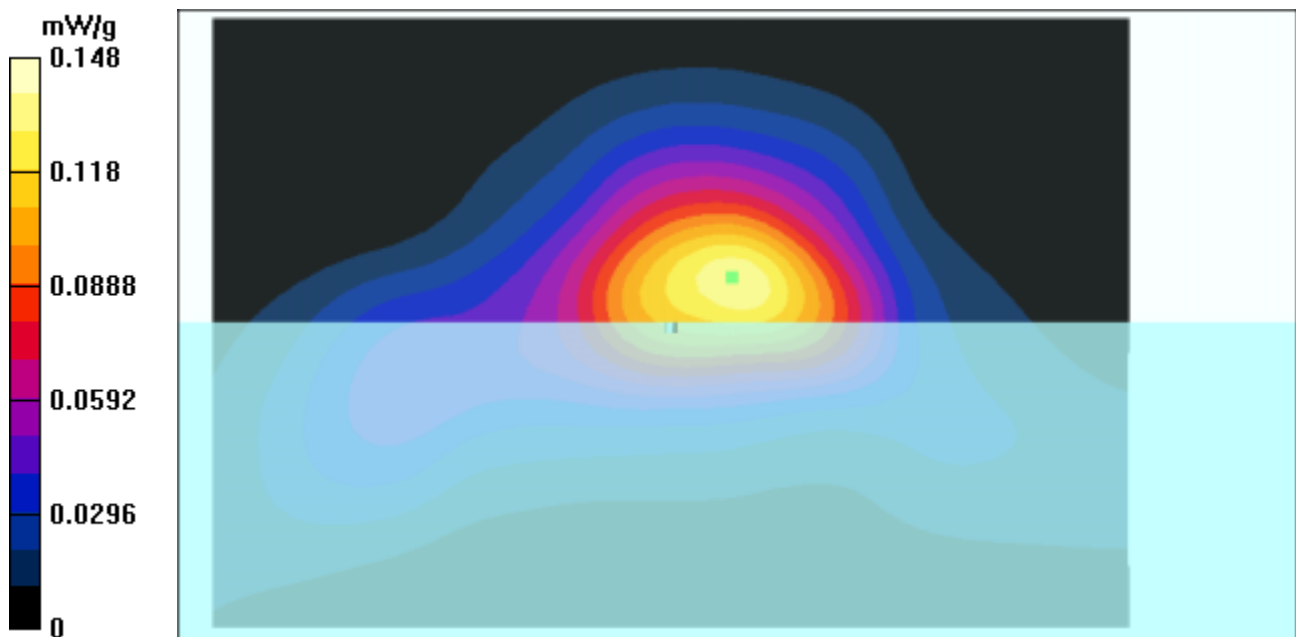
Peak SAR (extrapolated) = 0.333 W/kg

SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.0609 mW/g

Reference Value = 7.88 V/m

Power Drift = 0.2 dB

Maximum value of SAR = 0.148 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11g Main Antenna Mode 2

**DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2412 MHz**

Communication System: 802.11g ; Frequency: 2412 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 1.983$ mho/m, $\epsilon_r = 51.5482$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The tip of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23 degrees ; Liquid temp. : 22 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 6/2/2003
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 1/Area Scan (61x41x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 9.37 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.128 mW/g

Channel 1/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

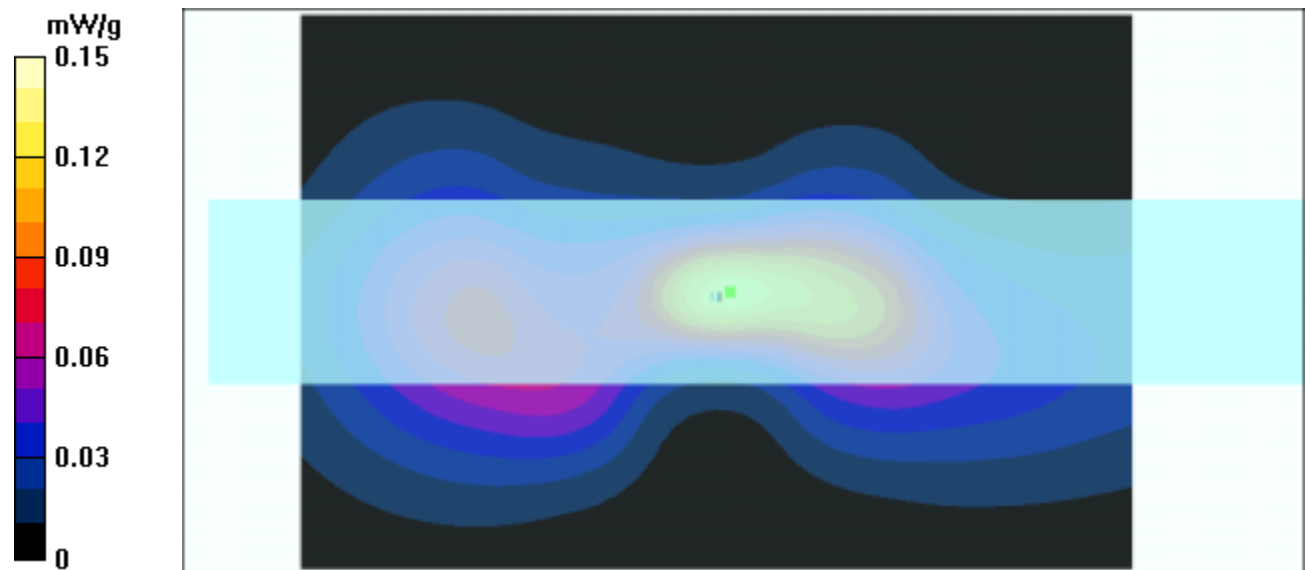
Peak SAR (extrapolated) = 0.447 W/kg

SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.0435 mW/g

Reference Value = 9.37 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.15 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11g Main Antenna Mode 2

**DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2437 MHz**

Communication System: 802.11g ; Frequency: 2437 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 2.018$ mho/m, $\epsilon_r = 51.4389$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The tip of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23 degrees ; Liquid temp. : 22 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 6/2/2003
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 6/Area Scan (61x41x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 9.25 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.149 mW/g

Channel 6/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

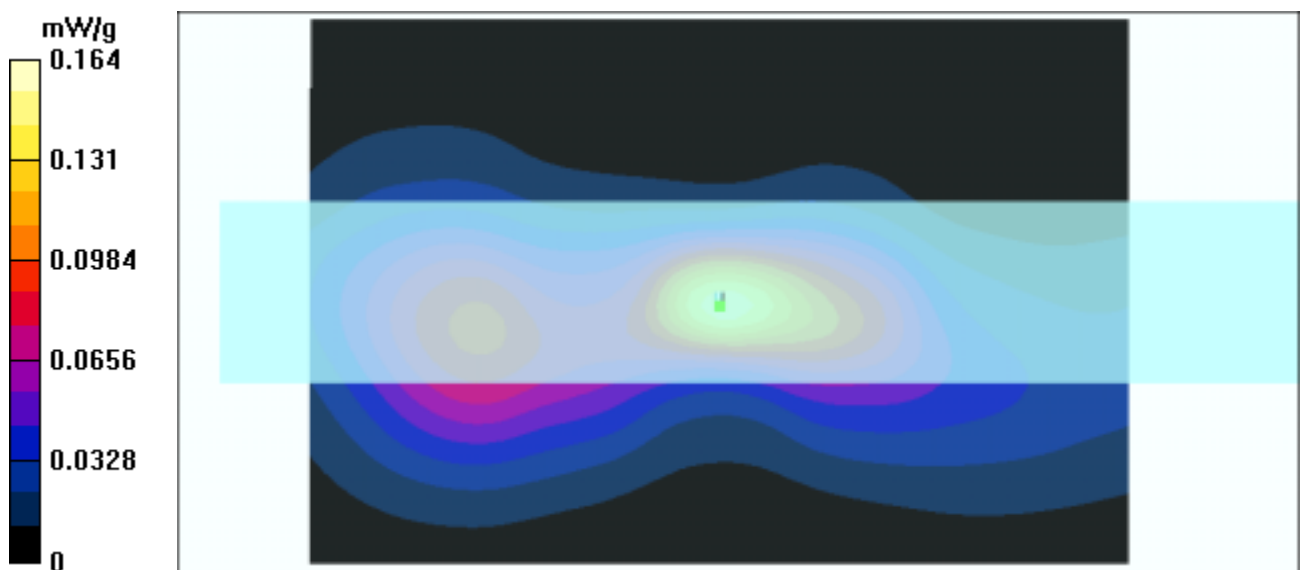
Peak SAR (extrapolated) = 0.52 W/kg

SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.0476 mW/g

Reference Value = 9.25 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.164 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11g Main Antenna Mode 2

DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2462 MHz

Communication System: 802.11g ; Frequency: 2462 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 2.045$ mho/m, $\epsilon_r = 51.3066$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The tip of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23 degrees ; Liquid temp. : 22 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 6/2/2003
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 11/Area Scan (61x41x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 10.1 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.168 mW/g

Channel 11/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

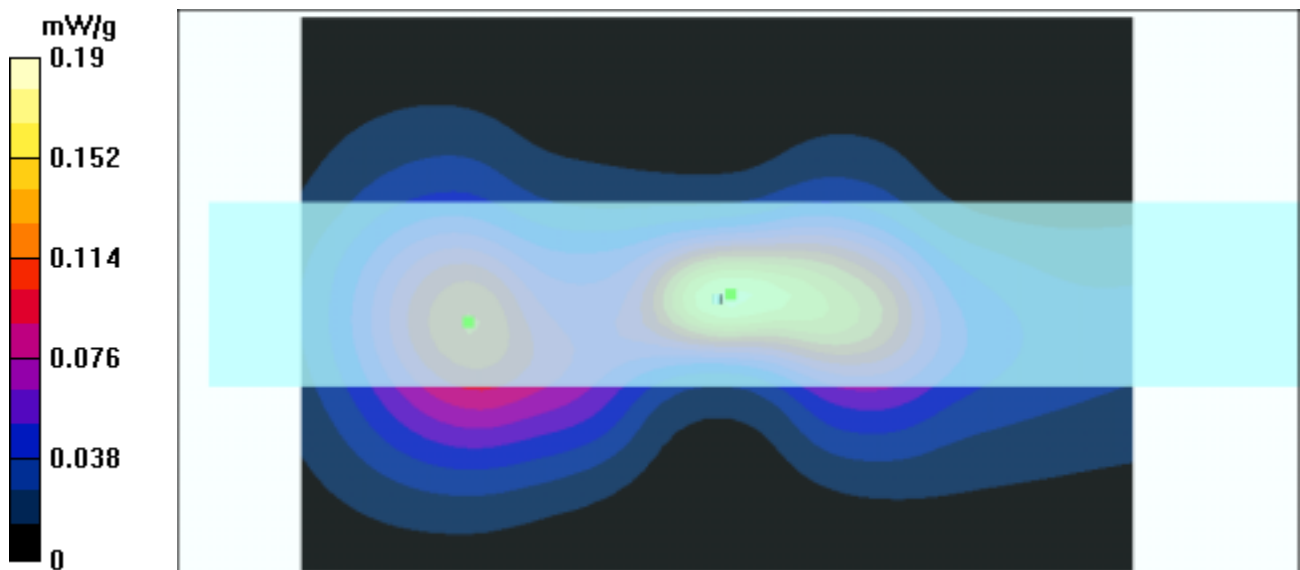
Peak SAR (extrapolated) = 0.545 W/kg

SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.0544 mW/g

Reference Value = 10.1 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.19 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11g Main Antenna Mode 3

**DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2412 MHz**

Communication System: 802.11g ; Frequency: 2412 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 1.983$ mho/m, $\epsilon_r = 51.5482$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The front of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510;
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 1/Area Scan (61x41x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 1.83 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.0121 mW/g

Channel 1/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

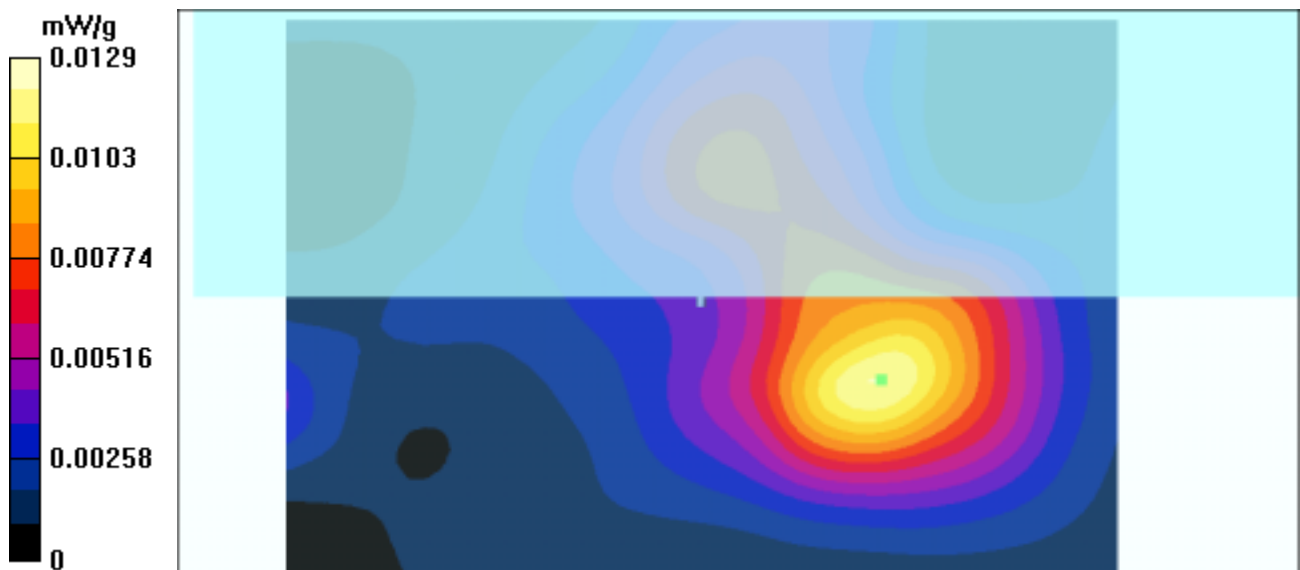
Peak SAR (extrapolated) = 0.0252 W/kg

SAR(1 g) = 0.0101 mW/g; SAR(10 g) = 0.00425 mW/g

Reference Value = 1.83 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.0129 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11g Main Antenna Mode 3

**DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2437 MHz**

Communication System: 802.11g ; Frequency: 2437 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 2.018$ mho/m, $\epsilon_r = 51.4389$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The front of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510;
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 6/Area Scan (61x41x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 2.29 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.0186 mW/g

Channel 6/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

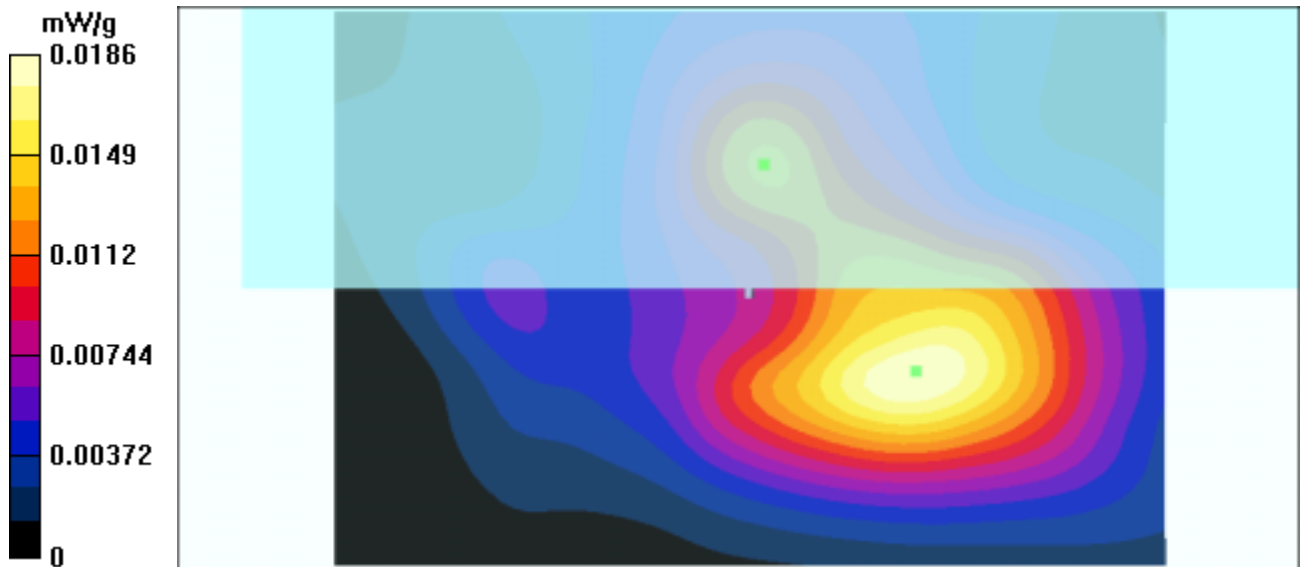
Peak SAR (extrapolated) = 0.0429 W/kg

SAR(1 g) = 0.0174 mW/g; SAR(10 g) = 0.00839 mW/g

Reference Value = 2.29 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.0184 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11g Main Antenna Mode 3

**DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2462 MHz**

Communication System: 802.11g ; Frequency: 2462 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 2.045$ mho/m, $\epsilon_r = 51.3066$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The front of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510;
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 11/Area Scan (61x41x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 2.01 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.0191 mW/g

Channel 11/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

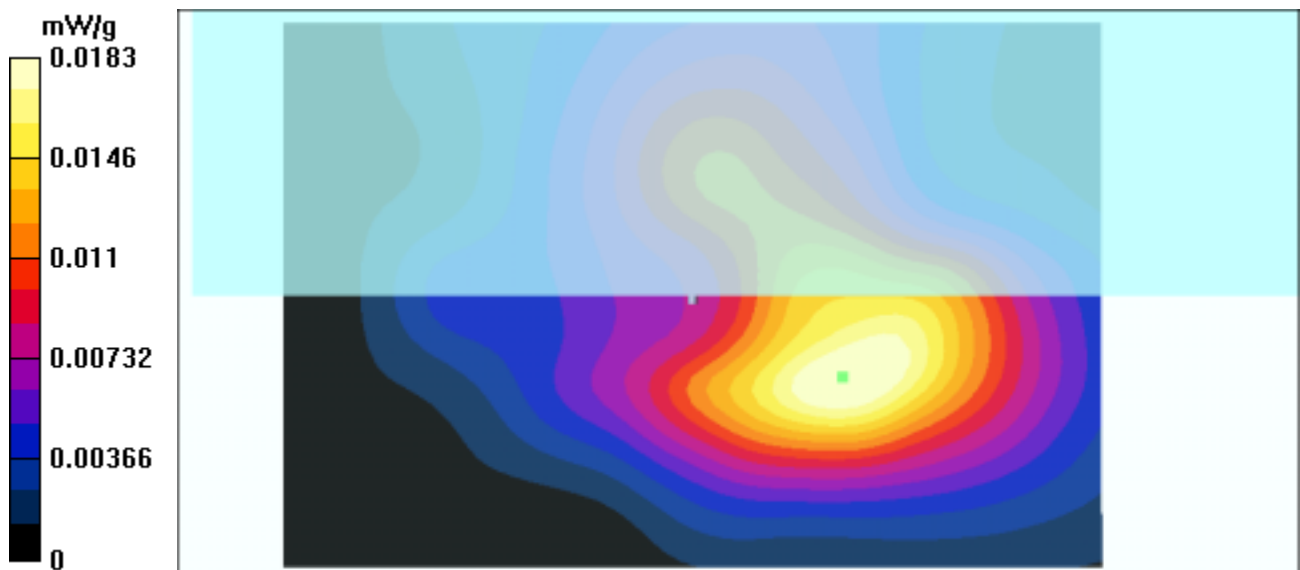
Peak SAR (extrapolated) = 0.0509 W/kg

SAR(1 g) = 0.0175 mW/g; SAR(10 g) = 0.00813 mW/g

Reference Value = 2.01 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.0183 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11g Auxiliary Antenna Mode 4

DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2412 MHz

Communication System: 802.11g ; Frequency: 2412 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 1.983$ mho/m, $\epsilon_r = 51.5482$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The bottom of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510;
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 1/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 2.91 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.0416 mW/g

Channel 1/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

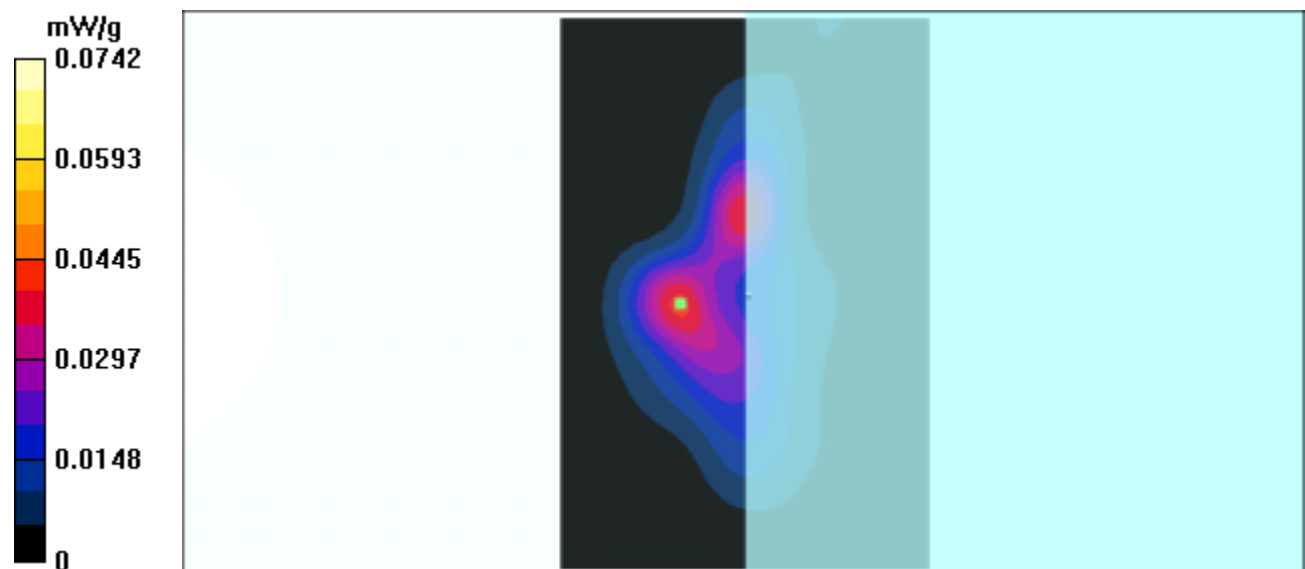
Peak SAR (extrapolated) = 0.271 W/kg

SAR(1 g) = 0.0665 mW/g; SAR(10 g) = 0.0209 mW/g

Reference Value = 2.91 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.0742 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11g Auxiliary Antenna Mode 4

DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 2.018$ mho/m, $\epsilon_r = 51.4389$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The bottom of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510;
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 6/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 4.76 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.0782 mW/g

Channel 6/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

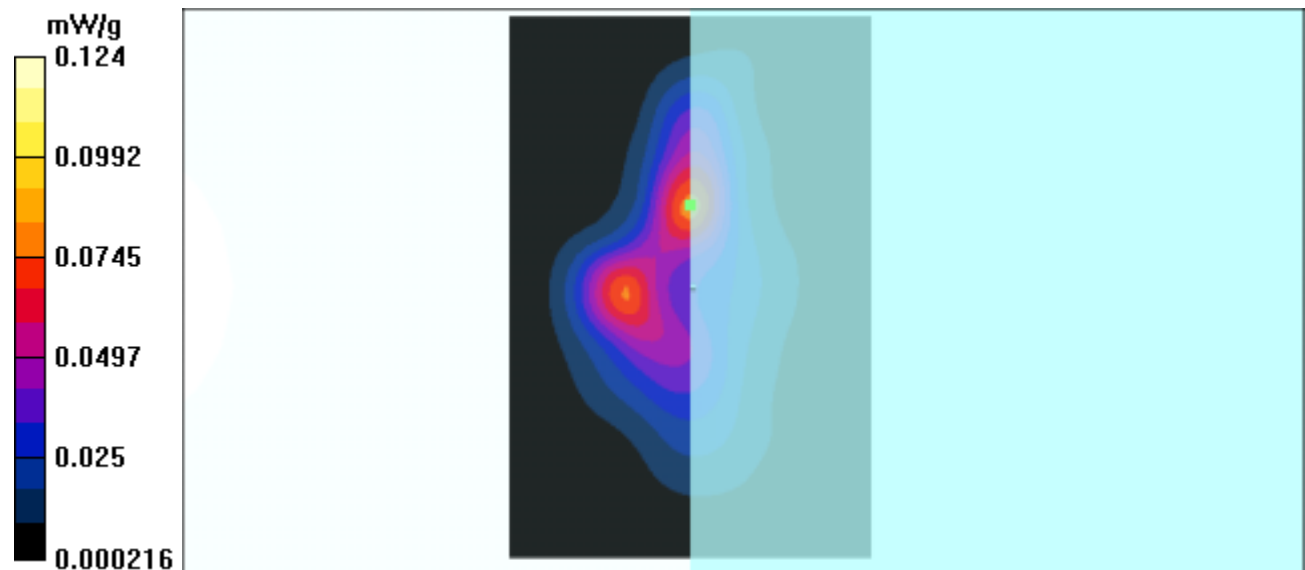
Peak SAR (extrapolated) = 0.468 W/kg

SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.0313 mW/g

Reference Value = 4.76 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.124 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11g Auxiliary Antenna Mode 4

**DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2462 MHz**

Communication System: 802.11g ; Frequency: 2462 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 2.045$ mho/m, $\epsilon_r = 51.3066$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The bottom of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510;
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 11/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 5.25 V/m

Power Drift = 0.2 dB

Maximum value of SAR = 0.116 mW/g

Channel 11/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

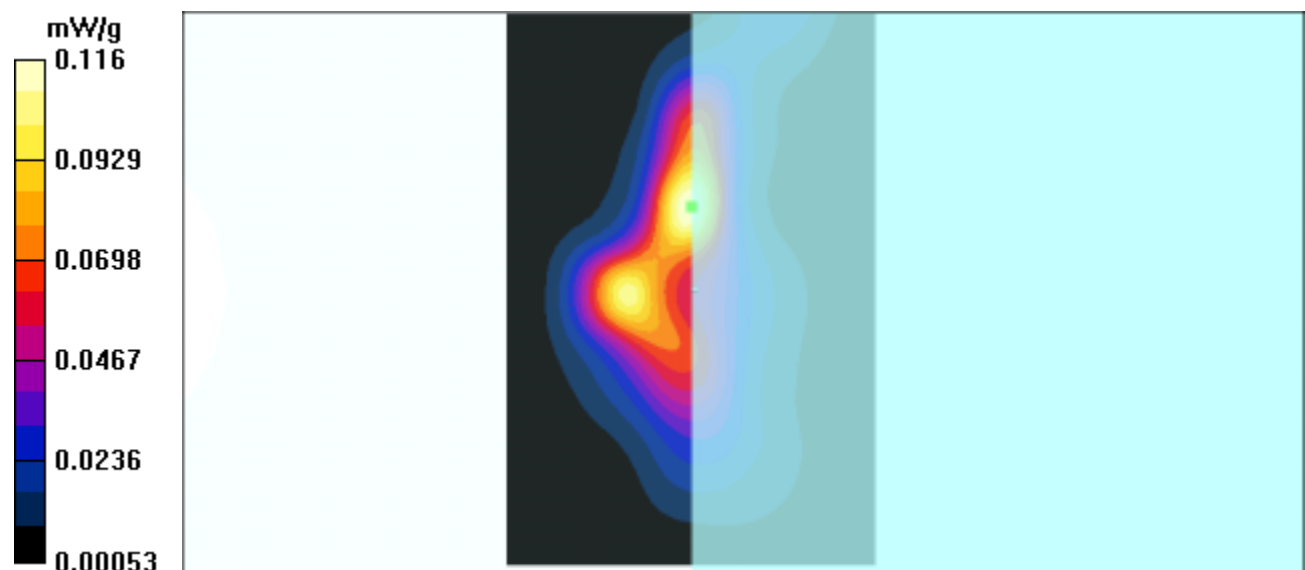
Peak SAR (extrapolated) = 0.602 W/kg

SAR(1 g) = 0.16 mW/g; SAR(10 g) = 0.0457 mW/g

Reference Value = 5.25 V/m

Power Drift = 0.2 dB

Maximum value of SAR = 0.198 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11g Auxiliary Antenna Mode 5

**DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2412 MHz**

Communication System: 802.11g ; Frequency: 2412 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 1.983$ mho/m, $\epsilon_r = 51.5482$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The tip of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23 degrees ; Liquid temp. : 22 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 6/2/2003
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 1/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 4.29 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.0443 mW/g

Channel 1/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

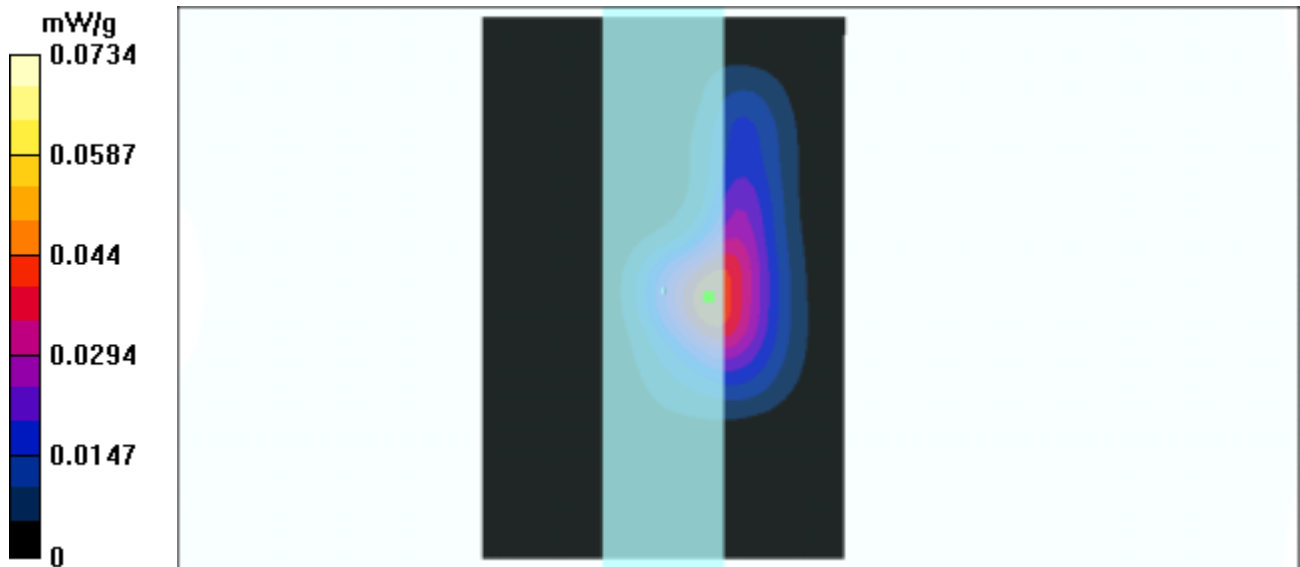
Peak SAR (extrapolated) = 0.211 W/kg

SAR(1 g) = 0.0615 mW/g; SAR(10 g) = 0.0197 mW/g

Reference Value = 4.29 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.0734 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11g Auxiliary Antenna Mode 5

**DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2437 MHz**

Communication System: 802.11g ; Frequency: 2437 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 2.018$ mho/m, $\epsilon_r = 51.4389$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The tip of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23 degrees ; Liquid temp. : 22 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 6/2/2003
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 6/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 4.13 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.101 mW/g

Channel 6/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

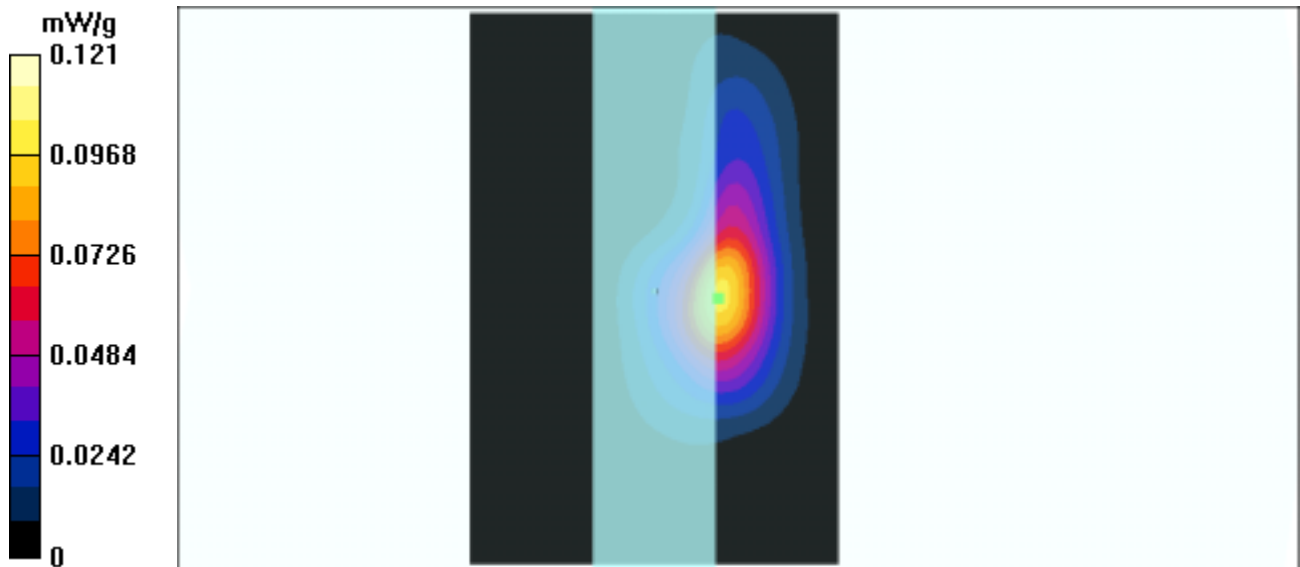
Peak SAR (extrapolated) = 0.323 W/kg

SAR(1 g) = 0.0999 mW/g; SAR(10 g) = 0.0337 mW/g

Reference Value = 4.13 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.121 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11g Auxiliary Antenna Mode 5

**DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2462 MHz**

Communication System: 802.11g ; Frequency: 2462 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 2.045$ mho/m, $\epsilon_r = 51.3066$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The tip of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23 degrees ; Liquid temp. : 22 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 6/2/2003
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 11/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 7.35 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.158 mW/g

Channel 11/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

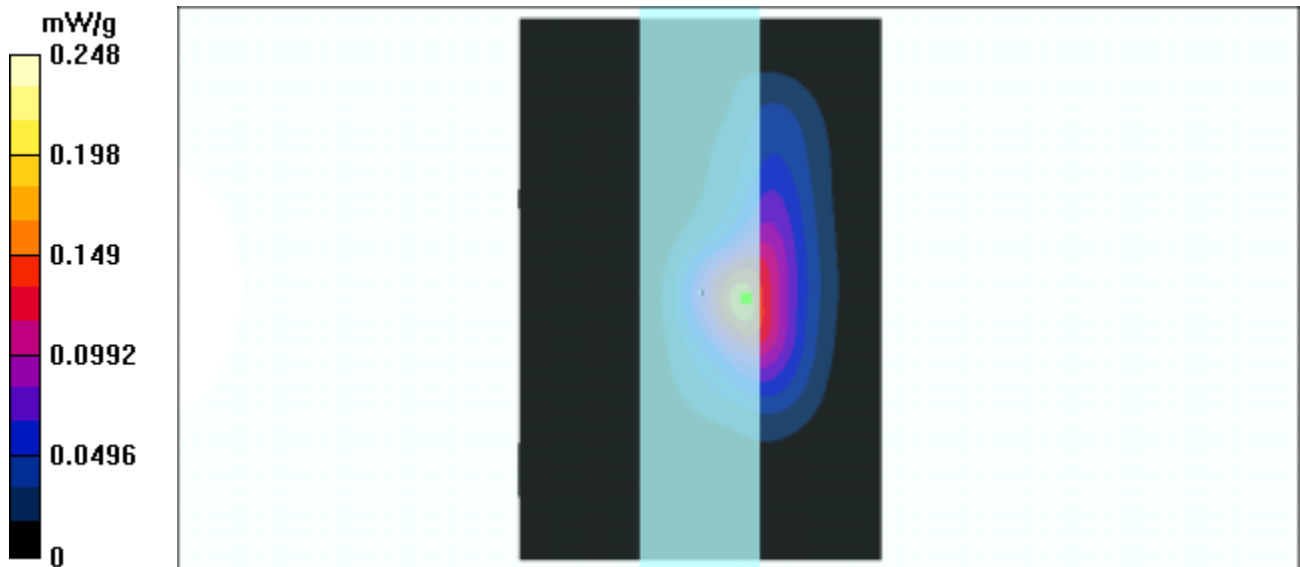
Peak SAR (extrapolated) = 0.745 W/kg

SAR(1 g) = 0.19 mW/g; SAR(10 g) = 0.0638 mW/g

Reference Value = 7.35 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.248 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11g Auxiliary Antenna Mode 6

DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2412 MHz

Communication System: 802.11g ; Frequency: 2412 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 1.983$ mho/m, $\epsilon_r = 51.5482$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The front of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510;
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 1/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 0.63 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.00116 mW/g

Channel 1/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

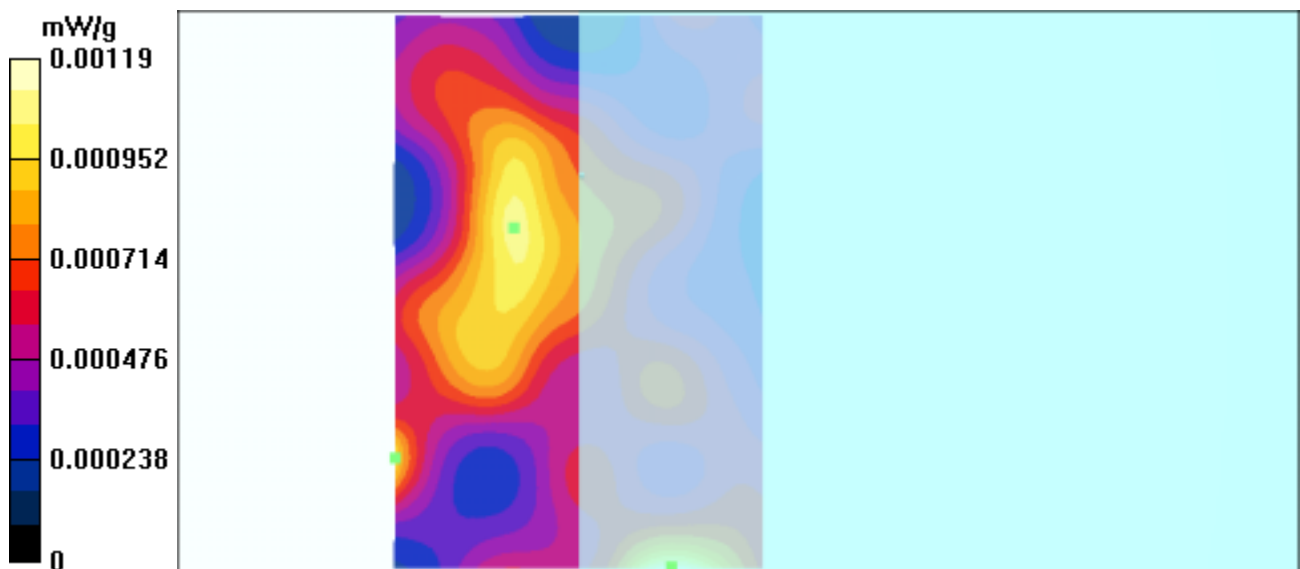
Peak SAR (extrapolated) = 0.00935 W/kg

SAR(1 g) = 0.00117 mW/g; SAR(10 g) = 0.000637 mW/g

Reference Value = 0.63 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.00119 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11g Auxiliary Antenna Mode 6

**DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2437 MHz**

Communication System: 802.11g ; Frequency: 2437 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 2.018$ mho/m, $\epsilon_r = 51.4389$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The front of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510;
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 6/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 0.478 V/m

Power Drift = 0.2 dB

Maximum value of SAR = 0.00411 mW/g

Channel 6/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

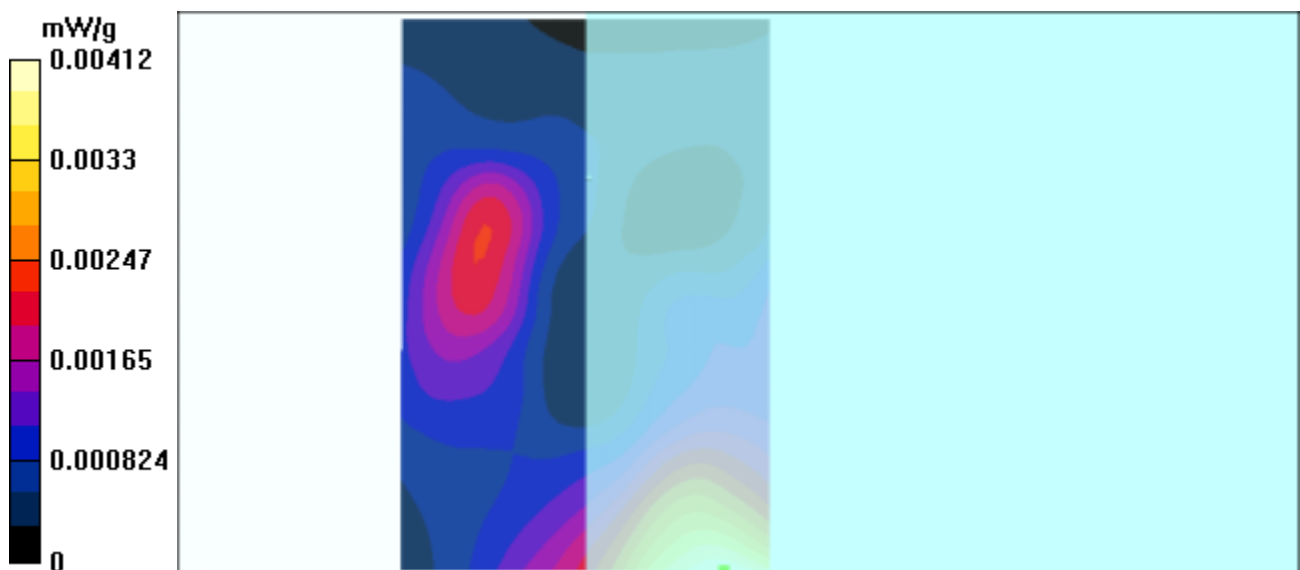
Peak SAR (extrapolated) = 0.0127 W/kg

SAR(1 g) = 0.00374 mW/g; SAR(10 g) = 0.00193 mW/g

Reference Value = 0.478 V/m

Power Drift = 0.2 dB

Maximum value of SAR = 0.00412 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11g Auxiliary Antenna Mode 6

**DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2462 MHz**

Communication System: 802.11g ; Frequency: 2462 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 2.045$ mho/m, $\epsilon_r = 51.3066$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The front of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510;
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 11/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 0.707 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.00622 mW/g

Channel 11/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

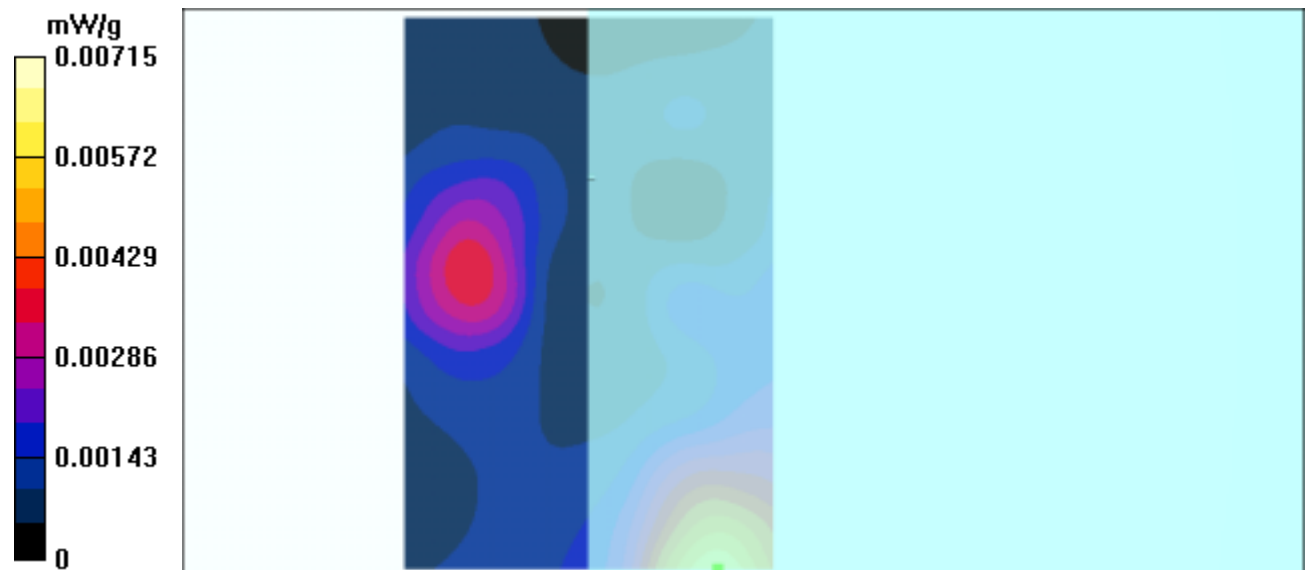
Peak SAR (extrapolated) = 0.0194 W/kg

SAR(1 g) = 0.00625 mW/g; SAR(10 g) = 0.00303 mW/g

Reference Value = 0.707 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.00715 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11b Main Antenna Mode 7

DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2412 MHz

Communication System: 802.11b ; Frequency: 2412 MHz; Duty Cycle: 1:1; Modulation type: CCK
Medium: MSL2450 ($\sigma = 1.983$ mho/m, $\epsilon_r = 51.5482$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The tip of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23 degrees ; Liquid temp. : 22 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 6/2/2003
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 1/Area Scan (61x41x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 8.27 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.113 mW/g

Channel 1/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

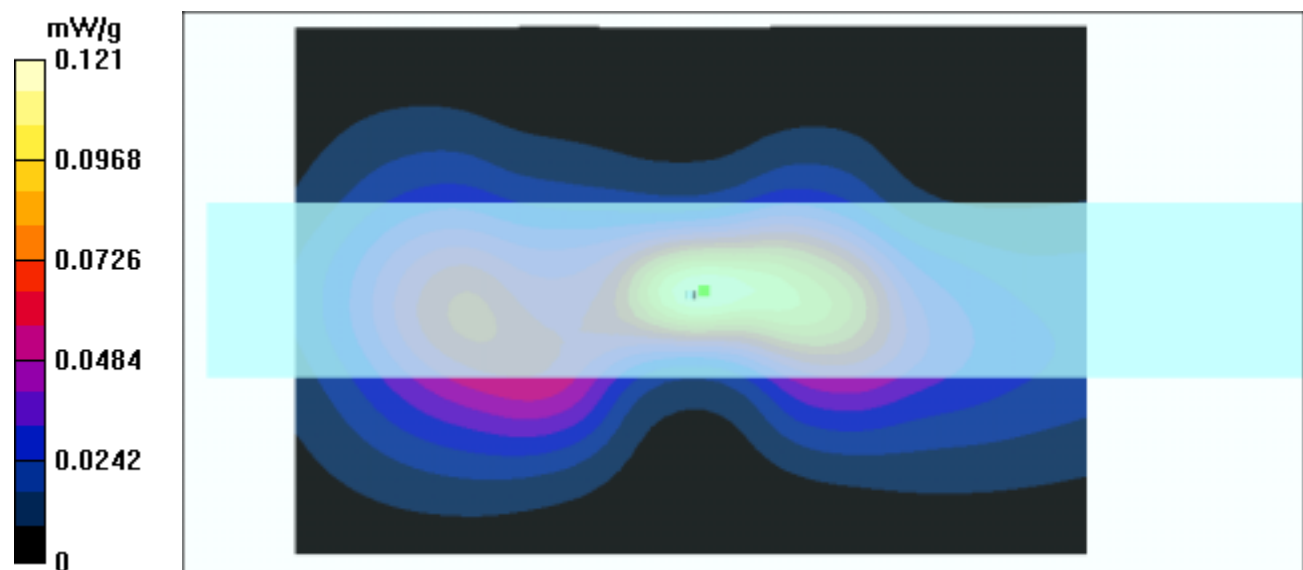
Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.0373 mW/g

Reference Value = 8.27 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.121 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11b Main Antenna Mode 7

DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz; Duty Cycle: 1:1; Modulation type: CCK
Medium: MSL2450 ($\sigma = 2.018$ mho/m, $\epsilon_r = 51.4389$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The tip of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23 degrees ; Liquid temp. : 22 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 6/2/2003
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 6/Area Scan (61x41x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 8.75 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.141 mW/g

Channel 6/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

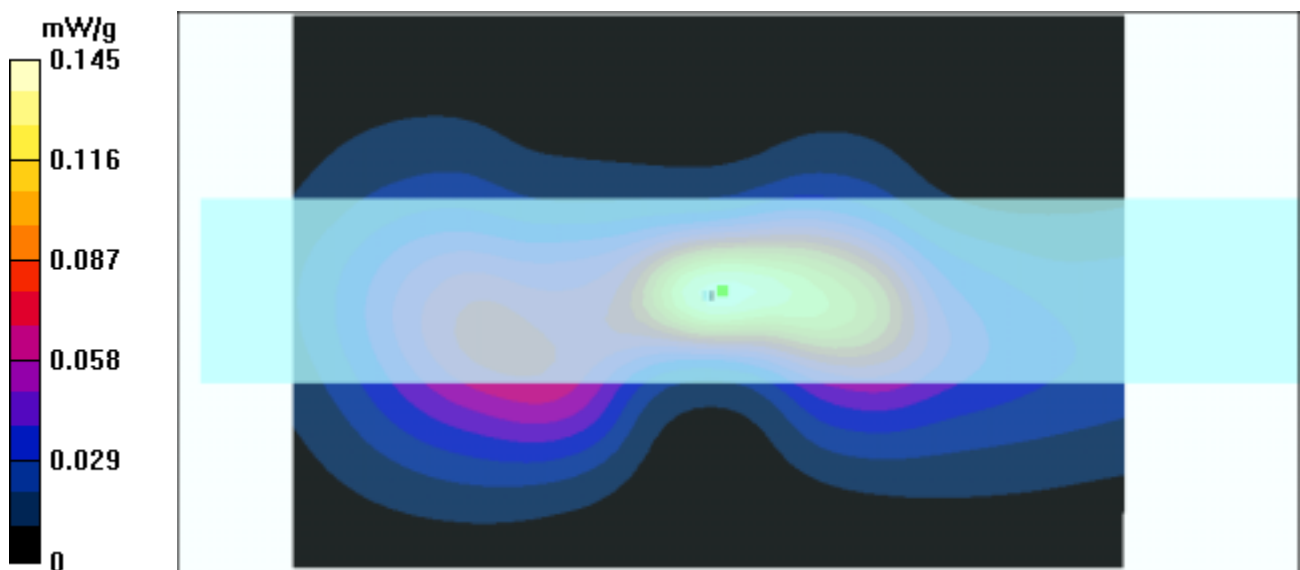
Peak SAR (extrapolated) = 0.457 W/kg

SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.0416 mW/g

Reference Value = 8.75 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.145 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11b Main Antenna Mode 7

DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2462 MHz

Communication System: 802.11b ; Frequency: 2462 MHz; Duty Cycle: 1:1; Modulation type: CCK
Medium: MSL2450 ($\sigma = 2.045$ mho/m, $\epsilon_r = 51.3066$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The tip of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23 degrees ; Liquid temp. : 22 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 6/2/2003
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 11/Area Scan (61x41x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 8.51 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 0.138 mW/g

Channel 11/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

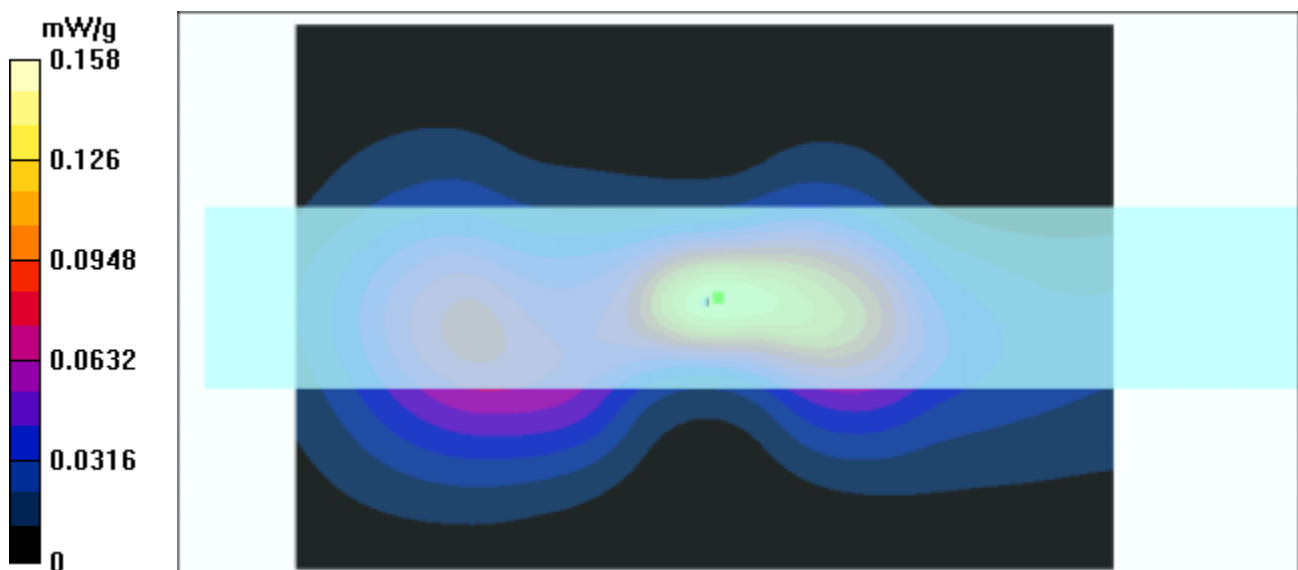
Peak SAR (extrapolated) = 0.445 W/kg

SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.0451 mW/g

Reference Value = 8.51 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 0.158 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11b Auxiliary Antenna Mode 8

**DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2412 MHz**

Communication System: 802.11b ; Frequency: 2412 MHz; Duty Cycle: 1:1; Modulation type: CCK

Medium: MSL2450 ($\sigma = 1.983$ mho/m, $\epsilon_r = 51.5482$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The tip of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23 degrees ; Liquid temp. : 22 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 6/2/2003
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 1/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 3.25 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.0273 mW/g

Channel 1/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

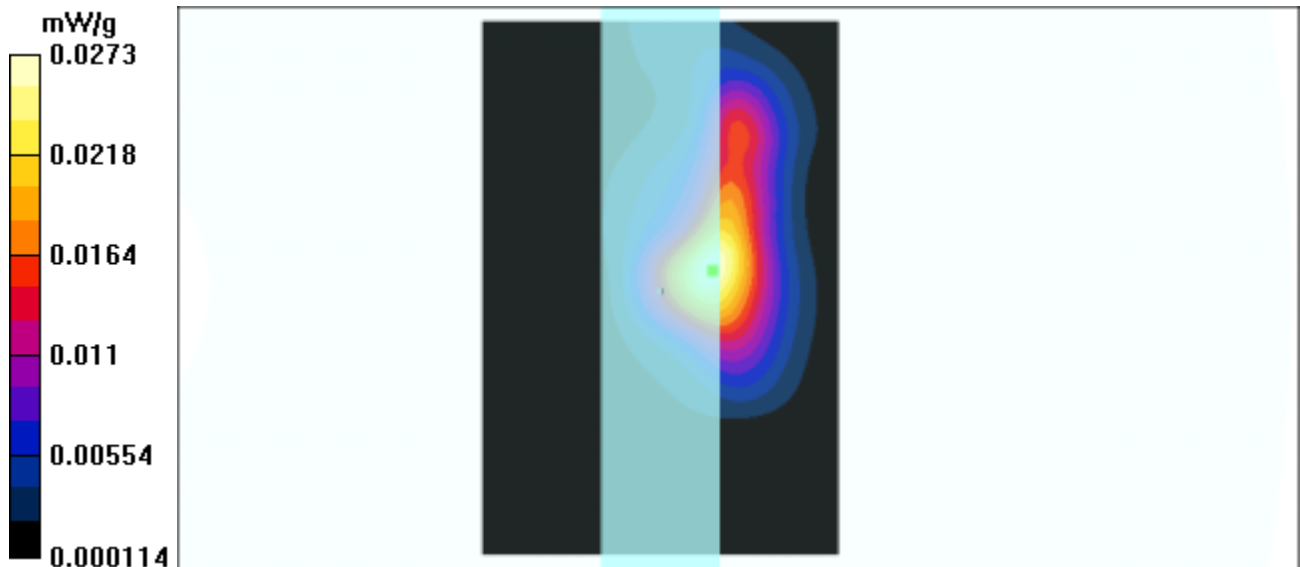
Peak SAR (extrapolated) = 0.147 W/kg

SAR(1 g) = 0.0404 mW/g; SAR(10 g) = 0.0129 mW/g

Reference Value = 3.25 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.0515 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11b Auxiliary Antenna Mode 8

**DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2437 MHz**

Communication System: 802.11b ; Frequency: 2437 MHz; Duty Cycle: 1:1; Modulation type: CCK
Medium: MSL2450 ($\sigma = 2.018$ mho/m, $\epsilon_r = 51.4389$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The tip of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23 degrees ; Liquid temp. : 22 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 6/2/2003
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 6/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 3.44 V/m

Power Drift = 0.3 dB

Maximum value of SAR = 0.0801 mW/g

Channel 6/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

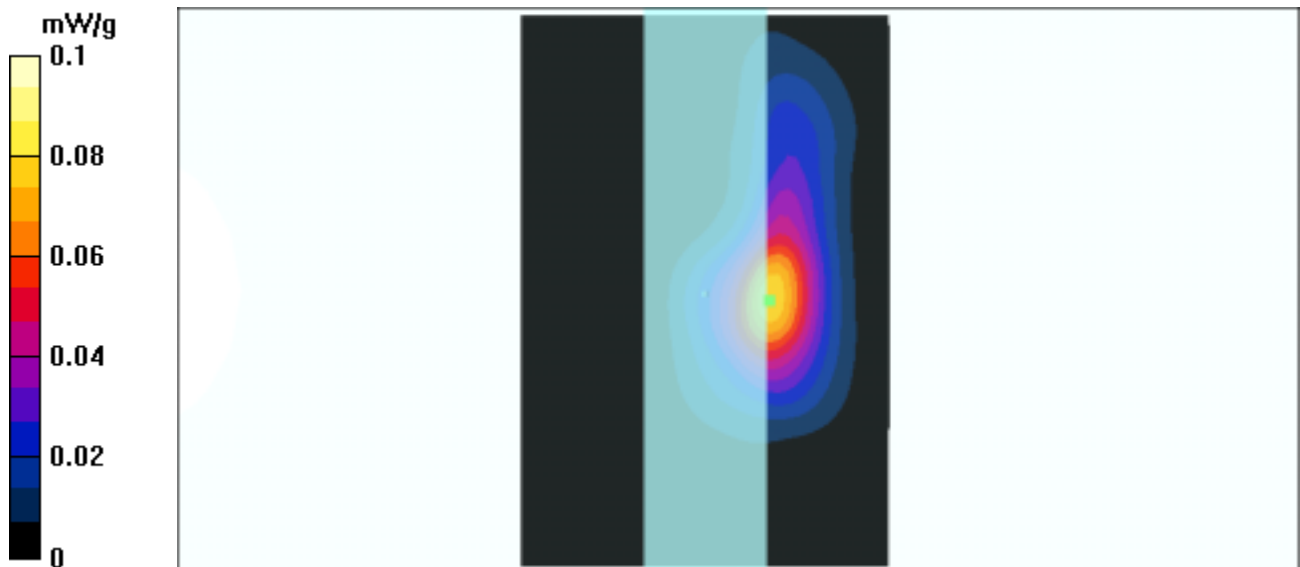
Peak SAR (extrapolated) = 0.269 W/kg

SAR(1 g) = 0.0798 mW/g; SAR(10 g) = 0.0264 mW/g

Reference Value = 3.44 V/m

Power Drift = 0.3 dB

Maximum value of SAR = 0.1 mW/g



Test Laboratory: Advance Data Technology

WMIB-111AG 11b Auxiliary Antenna Mode 8

**DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG ; Test Channel
Frequency: 2462 MHz**

Communication System: 802.11b ; Frequency: 2462 MHz; Duty Cycle: 1:1; Modulation type: CCK

Medium: MSL2450 ($\sigma = 2.045$ mho/m, $\epsilon_r = 51.3066$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The tip of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 23 degrees ; Liquid temp. : 22 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 6/2/2003
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 11/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 5.76 V/m

Power Drift = 0.2 dB

Maximum value of SAR = 0.139 mW/g

Channel 11/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

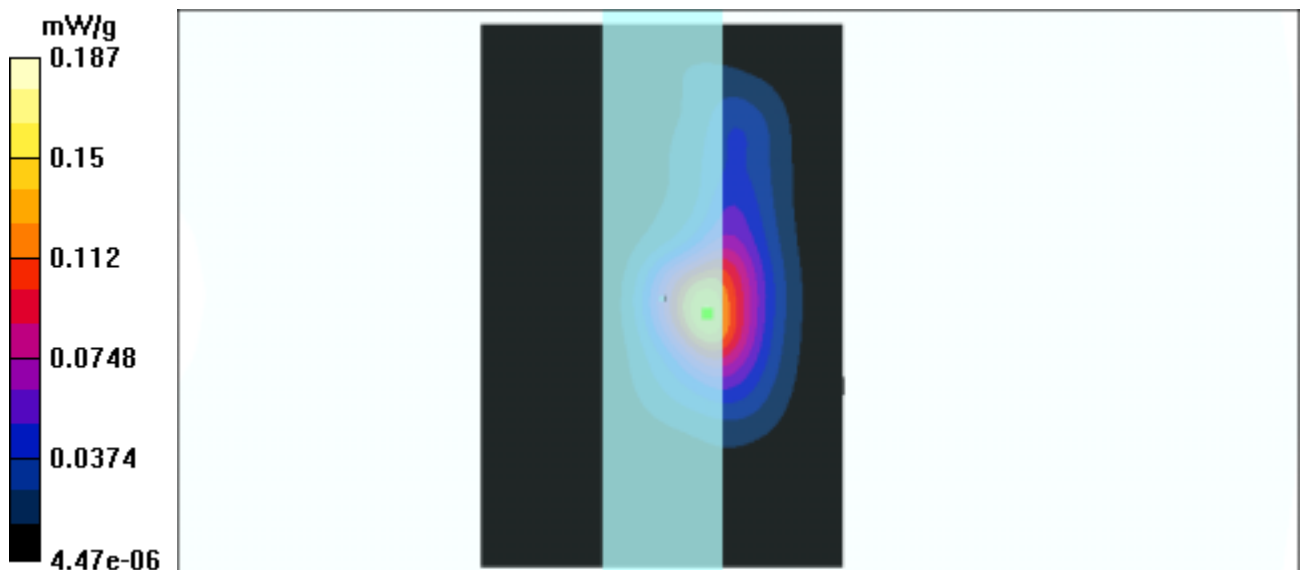
Peak SAR (extrapolated) = 0.548 W/kg

SAR(1 g) = 0.159 mW/g; SAR(10 g) = 0.0521 mW/g

Reference Value = 5.76 V/m

Power Drift = 0.2 dB

Maximum value of SAR = 0.187 mW/g



Test Laboratory: The name of your organization

WMIB-111AG 11g Main Antenna Mode 2

DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG

Communication System: 802.11g ; Frequency: 2462 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 2.045$ mho/m, $\epsilon_r = 51.3066$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The tip side of EUT to the Phantom)

Antenna type : Internal Antenna; Air temperature : 23.0 degrees ; Liquid temperature : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 6/2/2003
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 11/Area Scan (61x41x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 10.1 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.168 mW/g

Channel 11/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

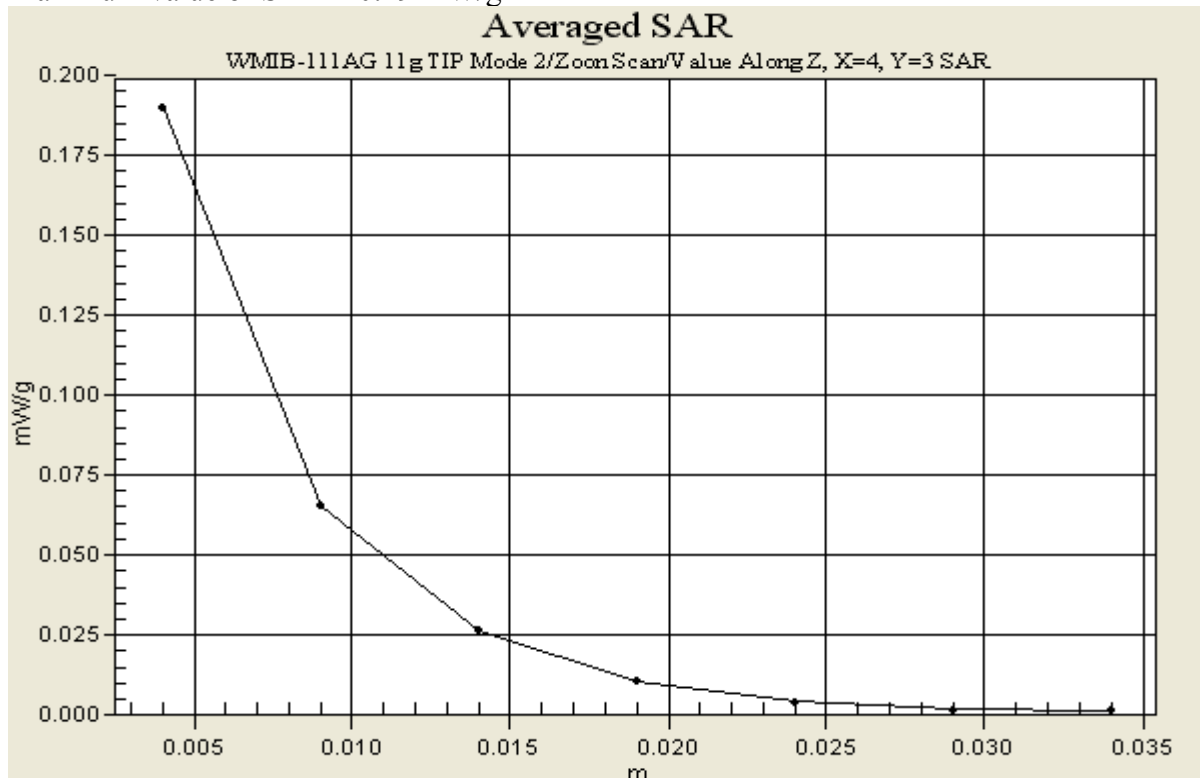
Peak SAR (extrapolated) = 0.545 W/kg

SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.0544 mW/g

Reference Value = 10.1 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.19 mW/g



Test Laboratory: The name of your organization

WMIB-111AG 11g Auxiliary Antenna Mode 5

DUT: Wireless LAN 11a/g mini-PCI Adapter ; Type: WMIB-111AG

Communication System: 802.11g ; Frequency: 2462 MHz; Duty Cycle: 1:1; Modulation type: OFDM

Medium: MSL2450 ($\sigma = 2.045$ mho/m, $\epsilon_r = 51.3066$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 0mm(The tip side of EUT to the Phantom)

Antenna type : Internal Antenna; Air temperature : 23.0 degrees ; Liquid temperature : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 6/2/2003
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Channel 11/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 7.35 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.158 mW/g

Channel 11/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

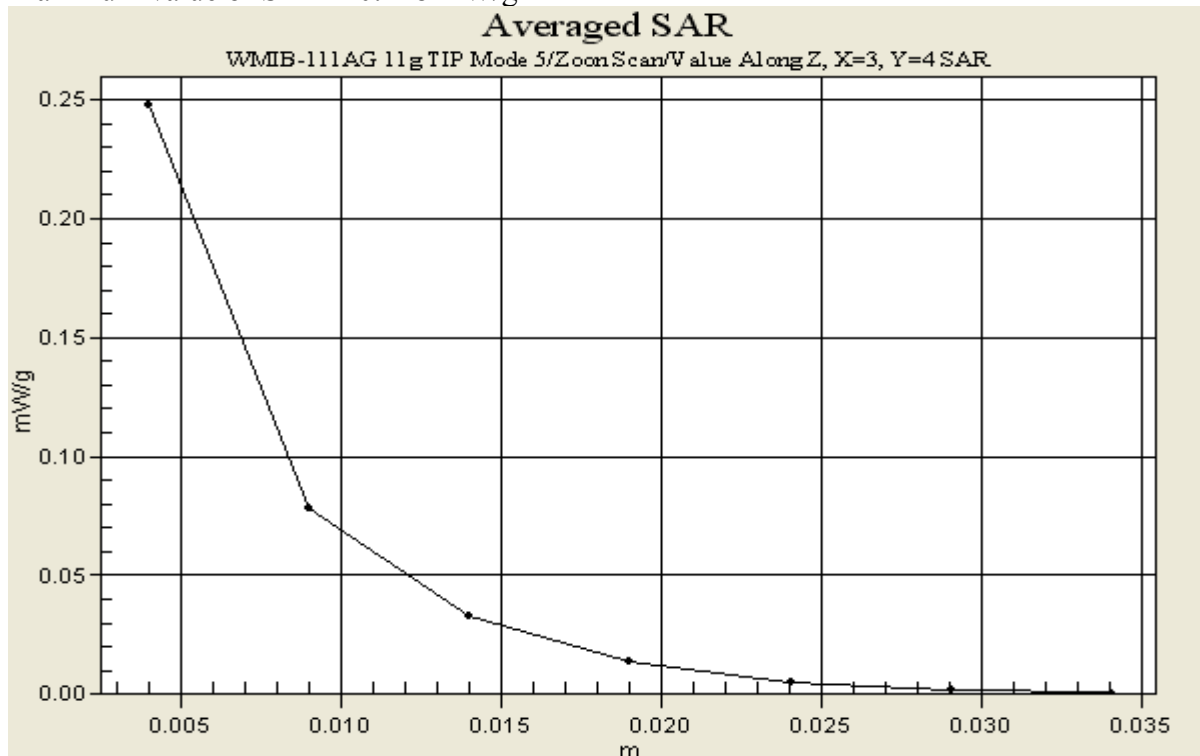
Peak SAR (extrapolated) = 0.745 W/kg

SAR(1 g) = 0.19 mW/g; SAR(10 g) = 0.0638 mW/g

Reference Value = 7.35 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.248 mW/g



A3 : SYSTEM VALIDATION

Date/Time: 02/24/04 10:20:20

Test Laboratory: Advance Data Technology

System Validation Check-MSL2450MHz 2004-02-24

DUT: Dipole 2450 MHz ; Type: D2450V2

Communication System: CW ; Frequency: 2450 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: MSL2450 ($\sigma = 2.037$ mho/m, $\epsilon_r = 51.3692$, $\rho = 1000$ kg/m³) ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 10mm(The feetpoint of the dipole to the Phantom)
Air temp. : 23.0 degrees ; Liquid temp. : 22 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1686; ConvF(4.5, 4.5, 4.5); Calibrated: 6/18/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510;
- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

d=10mm, Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 59.4 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 6.56 mW/g

d=10mm, Pin=100mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 13.4 W/kg
SAR(1 g) = 5.88 mW/g; SAR(10 g) = 2.61 mW/g
Reference Value = 59.4 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 6.46 mW/g

