

APPENDIX A: TEST CONFIGURATIONS AND TEST DATA
A1: TEST CONFIGURATION



The bottom of the EUT to the flat phantom distance 14 mm

EUT Photo





Liquid Level Photo

MSL 2450MHz D=155mm



Test Laboratory: Advance Data Technology

nx6125-11b-Ch1-Mode 1

DUT: Dell Wireless 1390 802.11g ExpressCard ; Type: WPCB-143G(Original) ; Test Frequency: 2412 MHz

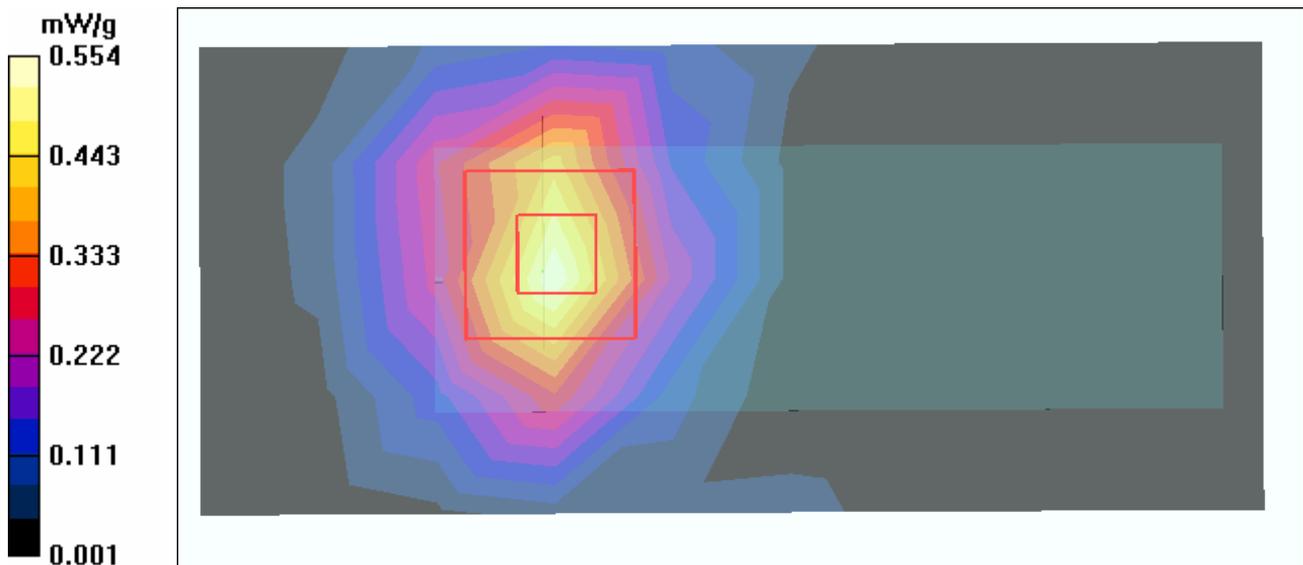
Communication System: 802.11b ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
 Medium: MSL2450 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.95 \text{ mho/m}$; $\epsilon_r = 54.7$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 155mm
 Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)
 Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.4 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 23 ; Postprocessing SW: SEMCAD, V1.8 Build 160

Low Channel 1/Area Scan (5x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.554 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 11.7 V/m
 Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.500 mW/g; SAR(10 g) = 0.250 mW/g
 Maximum value of SAR (measured) = 0.543 mW/g



Test Laboratory: Advance Data Technology

nx6125-11b-Ch6-Mode 1

DUT: Dell Wireless 1390 802.11g ExpressCard ; Type: WPCB-143G(Original) ; Test Frequency: 2437 MHz

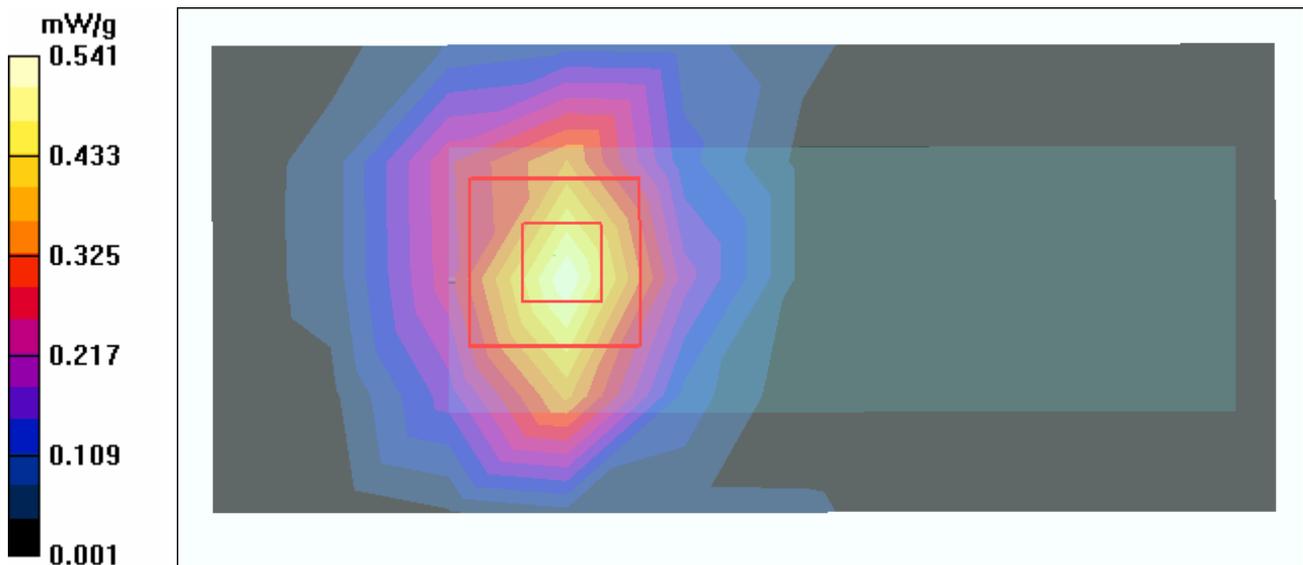
Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
 Medium: MSL2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.99 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 155mm
 Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)
 Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.4 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 23 ; Postprocessing SW: SEMCAD, V1.8 Build 160

Mid Channel 6/Area Scan (5x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.541 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 11.8 V/m
 Peak SAR (extrapolated) = 0.961 W/kg
SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.241 mW/g
 Maximum value of SAR (measured) = 0.528 mW/g



Test Laboratory: Advance Data Technology

nx6125-11b-Ch11-Mode 1

DUT: Dell Wireless 1390 802.11g ExpressCard ; Type: WPCB-143G(Original) ; Test Frequency: 2462 MHz

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.03$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³ ; Liquid level : 155mm

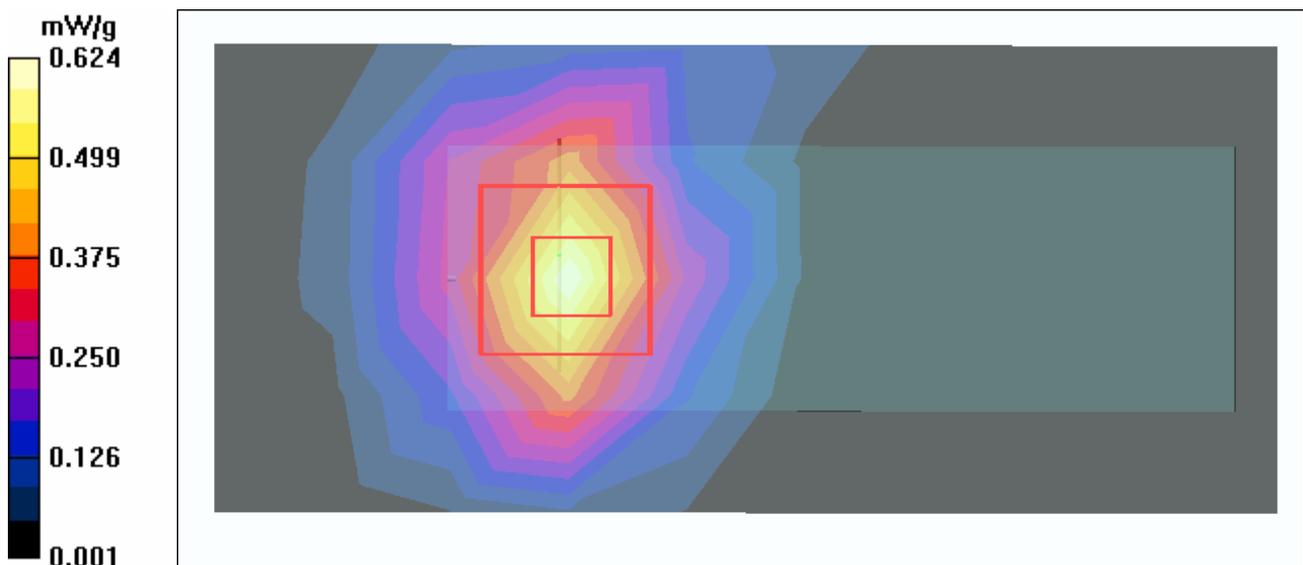
Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)
Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.4 degrees

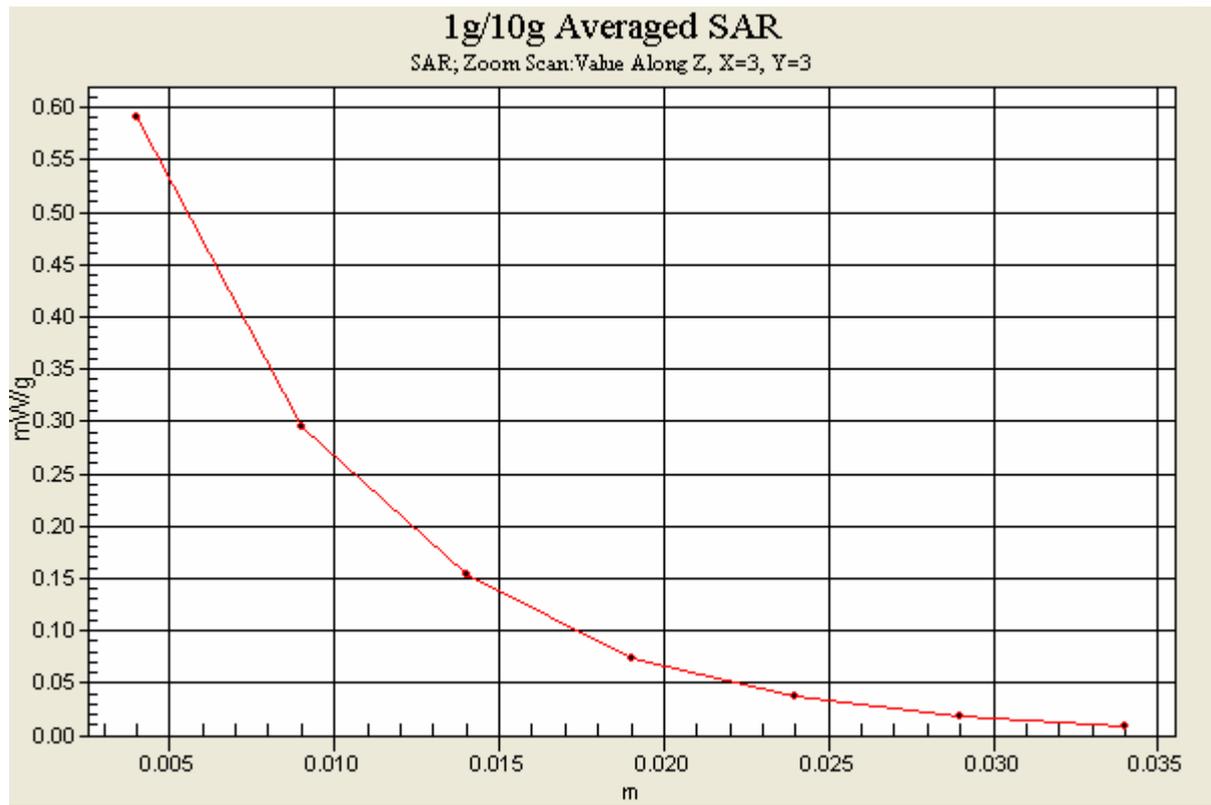
DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 23 ; Postprocessing SW: SEMCAD, V1.8 Build 160

High Channel 11/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.624 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.1 V/m
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.541 mW/g; SAR(10 g) = 0.272 mW/g
Maximum value of SAR (measured) = 0.591 mW/g





Test Laboratory: Advance Data Technology

nx6125-11g-Ch1-Mode 2

DUT: Dell Wireless 1390 802.11g ExpressCard ; Type: WPCB-143G(Original) ; Test Frequency: 2412 MHz

Communication System: 802.11g ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
 Medium: MSL2450 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.95 \text{ mho/m}$; $\epsilon_r = 54.7$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 155mm

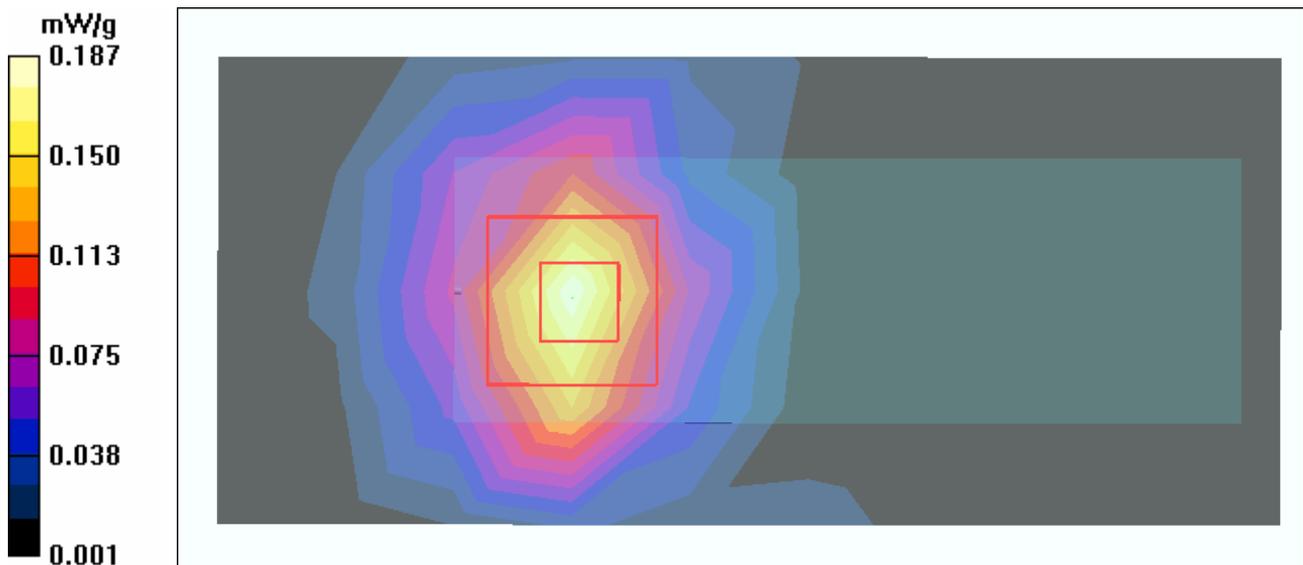
Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)
 Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.4 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 23 ; Postprocessing SW: SEMCAD, V1.8 Build 160

Low Channel 1/Area Scan (5x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.186 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 8.30 V/m
 Peak SAR (extrapolated) = 0.540 W/kg
SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.077 mW/g
 Maximum value of SAR (measured) = 0.187 mW/g



Test Laboratory: Advance Data Technology

nx6125-11g-Ch6-Mode 2

DUT: Dell Wireless 1390 802.11g ExpressCard ; Type: WPCB-143G(Original) ; Test Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
 Medium: MSL2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.99 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 155mm

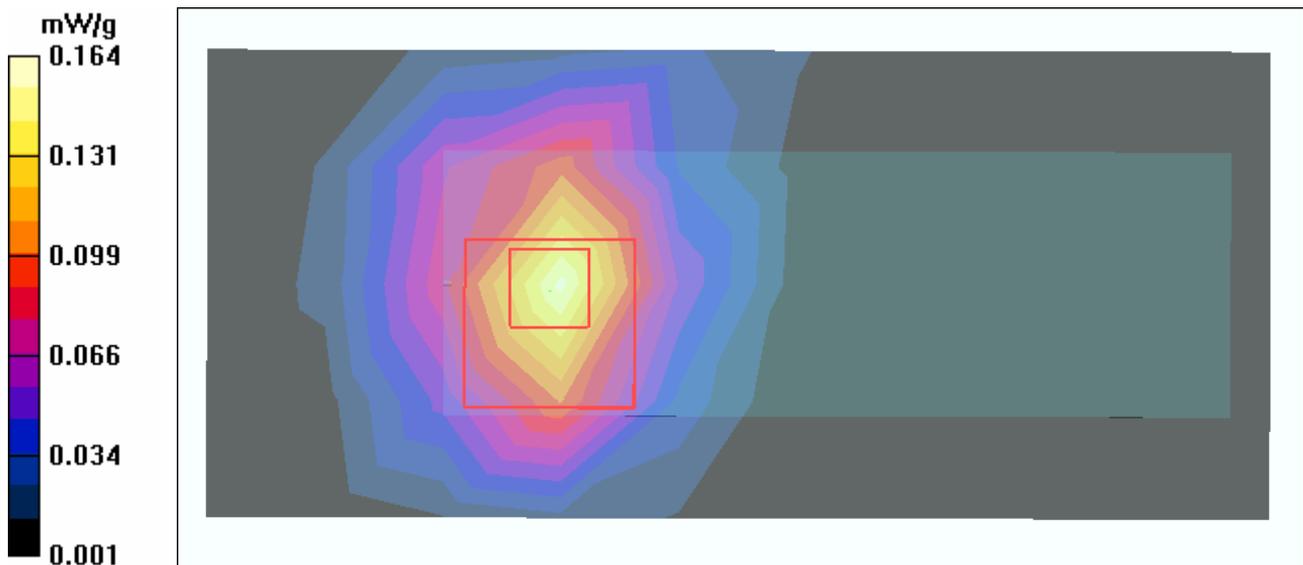
Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)
 Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.4 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 23 ; Postprocessing SW: SEMCAD, V1.8 Build 160

Mid Channel 6/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.158 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 6.64 V/m
 Peak SAR (extrapolated) = 0.299 W/kg
SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.061 mW/g
 Maximum value of SAR (measured) = 0.164 mW/g



Test Laboratory: Advance Data Technology

nx6125-11g-Ch11-Mode 2

DUT: Dell Wireless 1390 802.11g ExpressCard ; Type: WPCB-143G(Original) ; Test Frequency: 2462 MHz

Communication System: 802.11g ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
 Medium: MSL2450 Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.03 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 155mm

Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.4 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 23 ; Postprocessing SW: SEMCAD, V1.8 Build 160

High Channel 11/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.163 mW/g

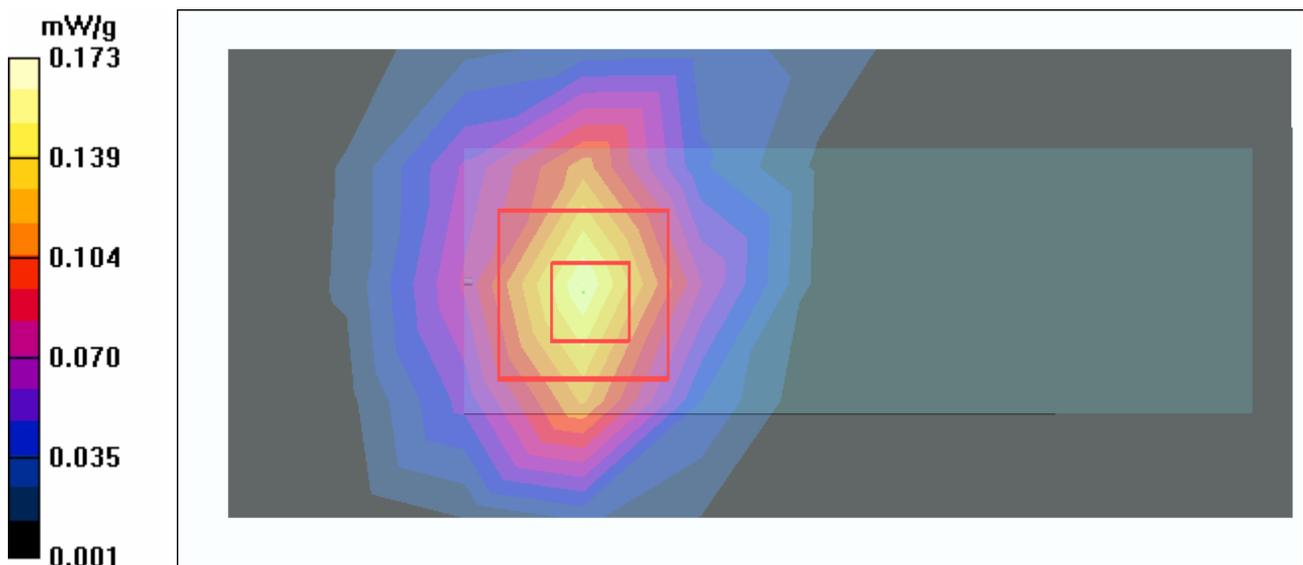
High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.14 V/m

Peak SAR (extrapolated) = 0.327 W/kg

SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.078 mW/g

Maximum value of SAR (measured) = 0.173 mW/g



Test Laboratory: Advance Data Technology

nx6125-11g-Ch6-turbo mode-Mode 2

DUT: Dell Wireless 1390 802.11g ExpressCard ; Type: WPCB-143G(Original) ; Test Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
 Medium: MSL2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.99 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 155mm

Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.4 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 23 ; Postprocessing SW: SEMCAD, V1.8 Build 160

Mid Channel 6/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.250 mW/g

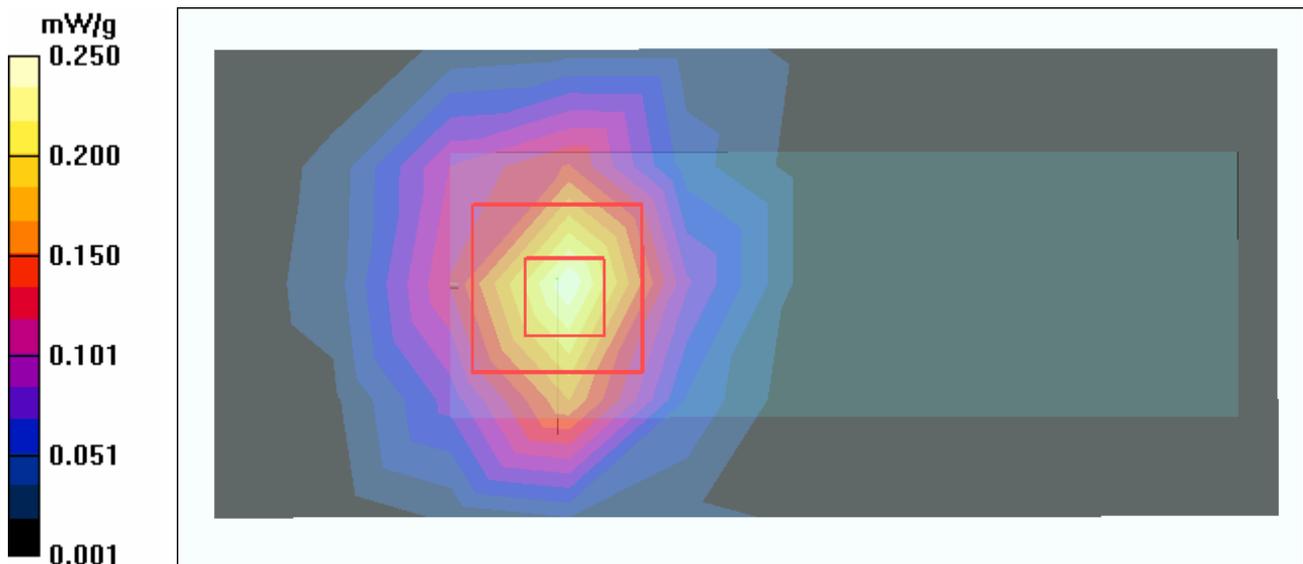
Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.26 V/m

Peak SAR (extrapolated) = 0.614 W/kg

SAR(1 g) = 0.194 mW/g; SAR(10 g) = 0.093 mW/g

Maximum value of SAR (measured) = 0.231 mW/g



Test Laboratory: Advance Data Technology

nx6125-11b-Ch1-Mode 3

DUT: Dell Wireless 1390 802.11g ExpressCard ; Type: WPCB-143G(Alternate) ; Test Frequency: 2412 MHz

Communication System: 802.11b ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
 Medium: MSL2450 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.95 \text{ mho/m}$; $\epsilon_r = 54.7$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 155mm

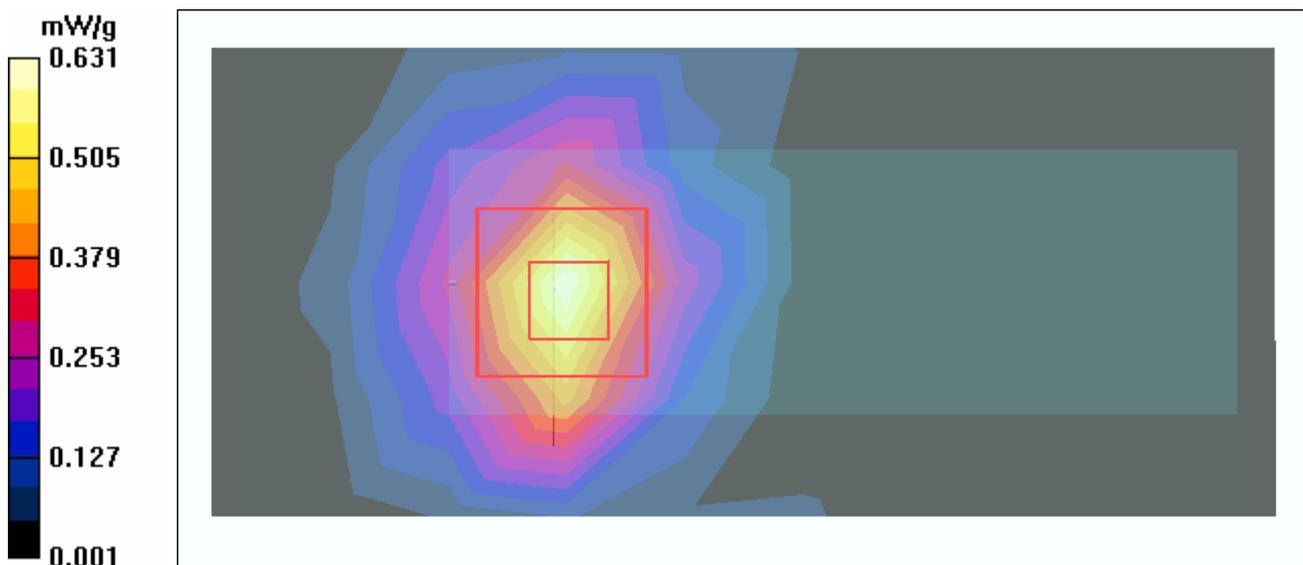
Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)
 Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.4 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 23 ; Postprocessing SW: SEMCAD, V1.8 Build 160

Low Channel 1/Area Scan (5x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.631 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 12.0 V/m
 Peak SAR (extrapolated) = 1.09 W/kg
SAR(1 g) = 0.516 mW/g; SAR(10 g) = 0.254 mW/g
 Maximum value of SAR (measured) = 0.572 mW/g



Test Laboratory: Advance Data Technology

nx6125-11b-Ch6-Mode 3

DUT: Dell Wireless 1390 802.11g ExpressCard ; Type: WPCB-143G(Alternate) ; Test Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
 Medium: MSL2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.99 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 155mm

Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.4 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 23 ; Postprocessing SW: SEMCAD, V1.8 Build 160

Mid Channel 6/Area Scan (5x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.604 mW/g

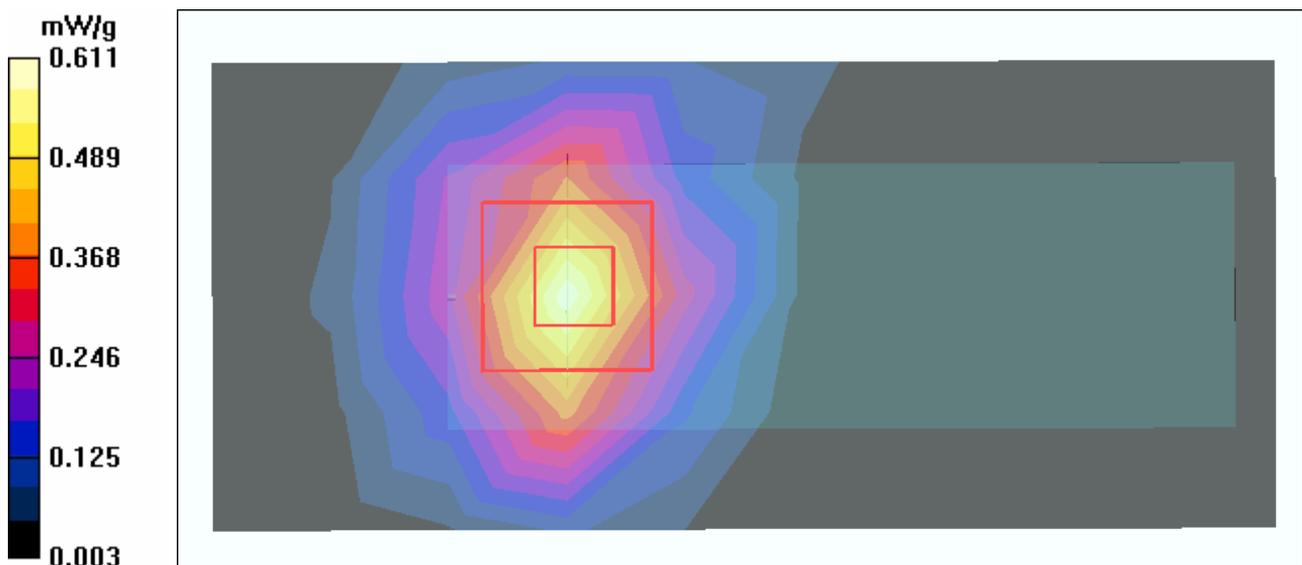
Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

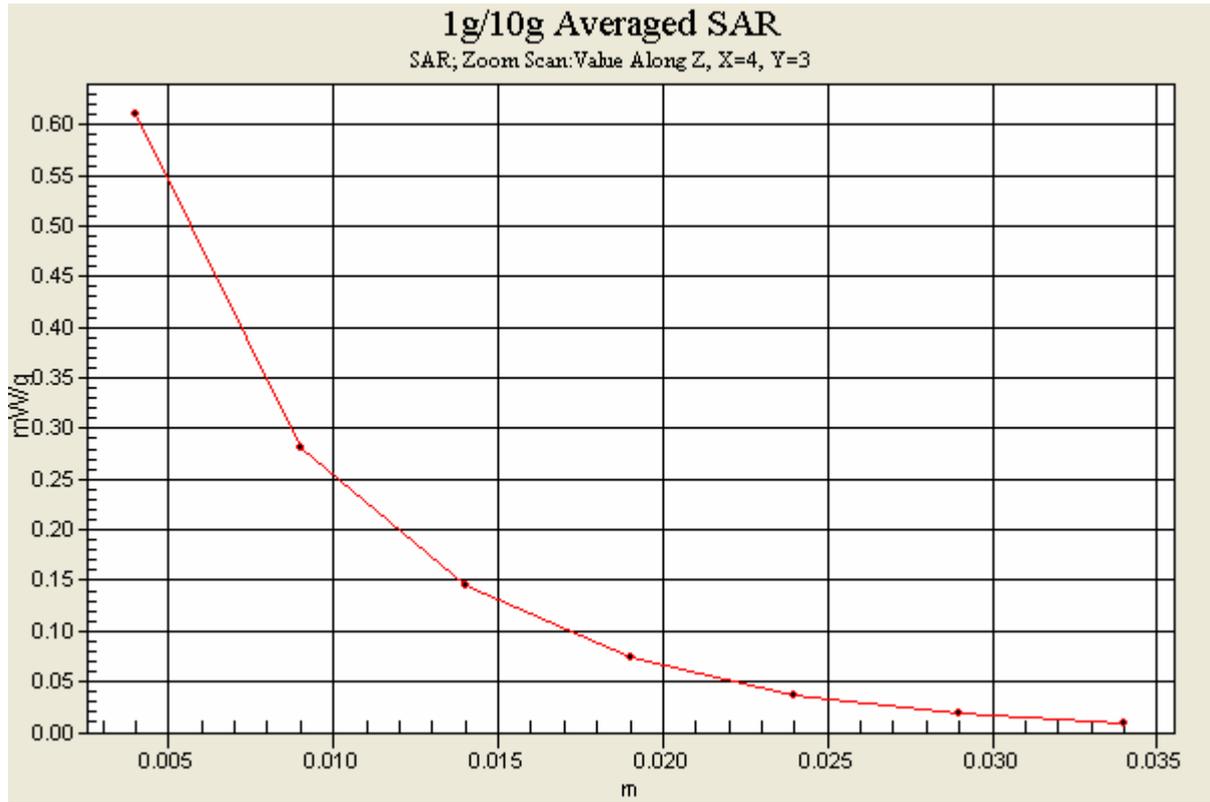
Reference Value = 11.6 V/m

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.538 mW/g; SAR(10 g) = 0.262 mW/g

Maximum value of SAR (measured) = 0.611 mW/g





Test Laboratory: Advance Data Technology

nx6125-11b-Ch11-Mode 3

DUT: Dell Wireless 1390 802.11g ExpressCard ; Type: WPCB-143G(Alternate) ; Test Frequency: 2462 MHz

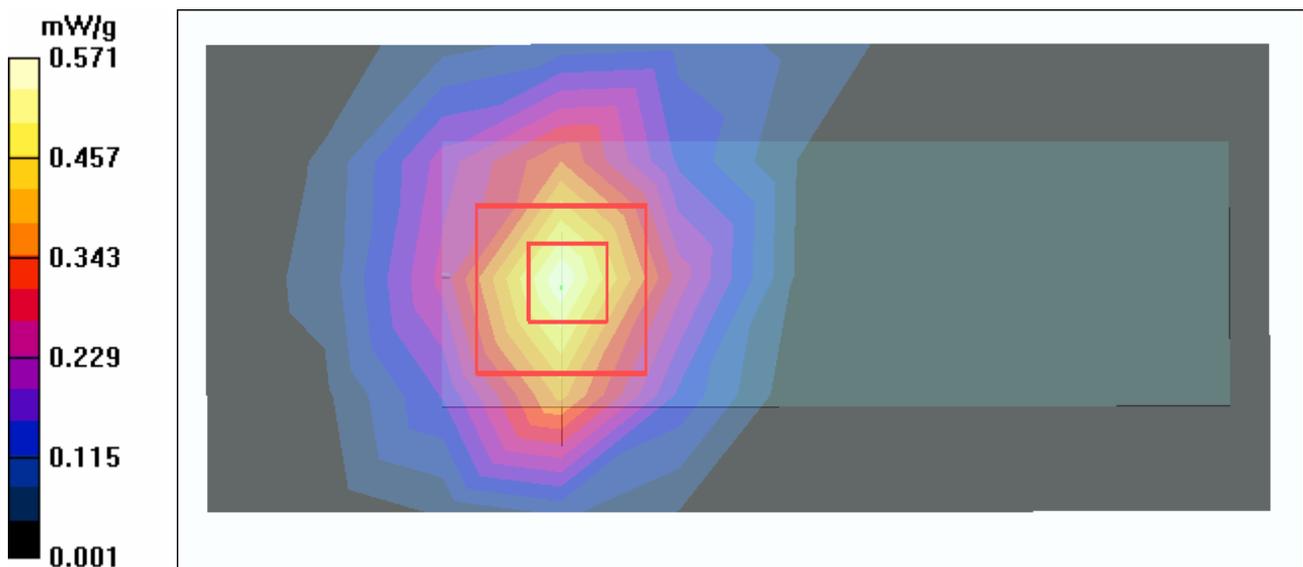
Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
 Medium: MSL2450 Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.03 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 155mm
 Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)
 Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.4 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 23 ; Postprocessing SW: SEMCAD, V1.8 Build 160

High Channel 11/Area Scan (5x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.571 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 11.7 V/m
 Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.520 mW/g; SAR(10 g) = 0.260 mW/g
 Maximum value of SAR (measured) = 0.570 mW/g



Test Laboratory: Advance Data Technology

nx6125-11g-Ch1-Mode 4

DUT: Dell Wireless 1390 802.11g ExpressCard ; Type: WPCB-143G(Alternate) ; Test Frequency: 2412 MHz

Communication System: 802.11g ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³ ; Liquid level : 155mm

Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.4 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 23 ; Postprocessing SW: SEMCAD, V1.8 Build 160

Low Channel 1/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.172 mW/g

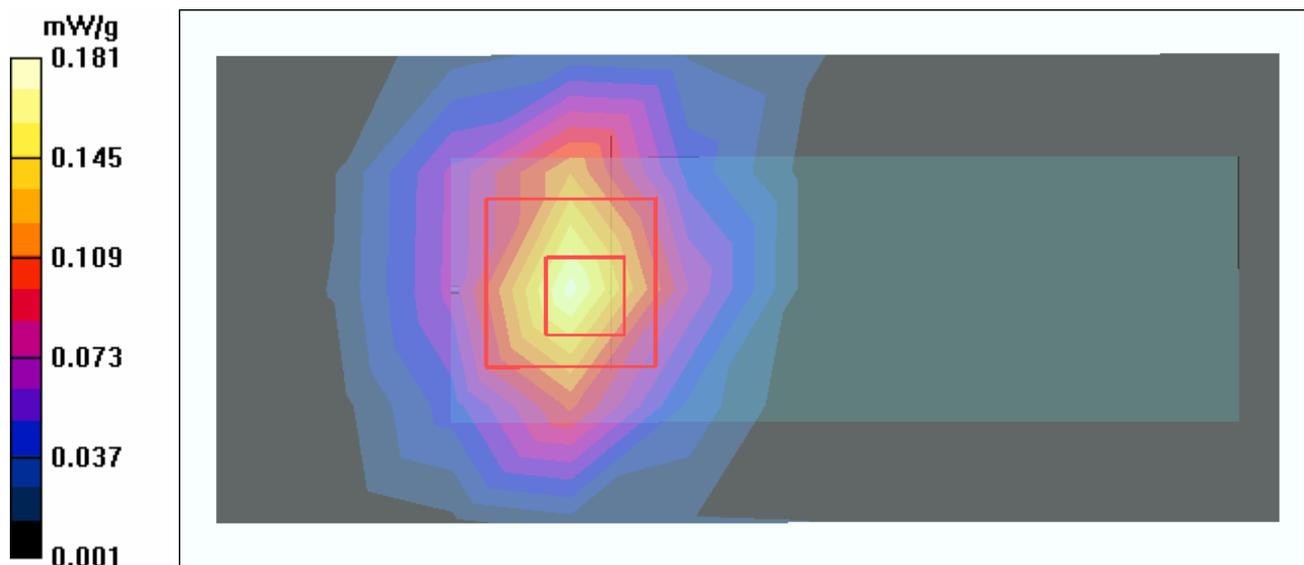
Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.73 V/m

Peak SAR (extrapolated) = 0.534 W/kg

SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.079 mW/g

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



Test Laboratory: Advance Data Technology

nx6125-11g-Ch6-Mode 4

DUT: Dell Wireless 1390 802.11g ExpressCard ; Type: WPCB-143G(Alternate) ; Test Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
 Medium: MSL2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.99 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 155mm

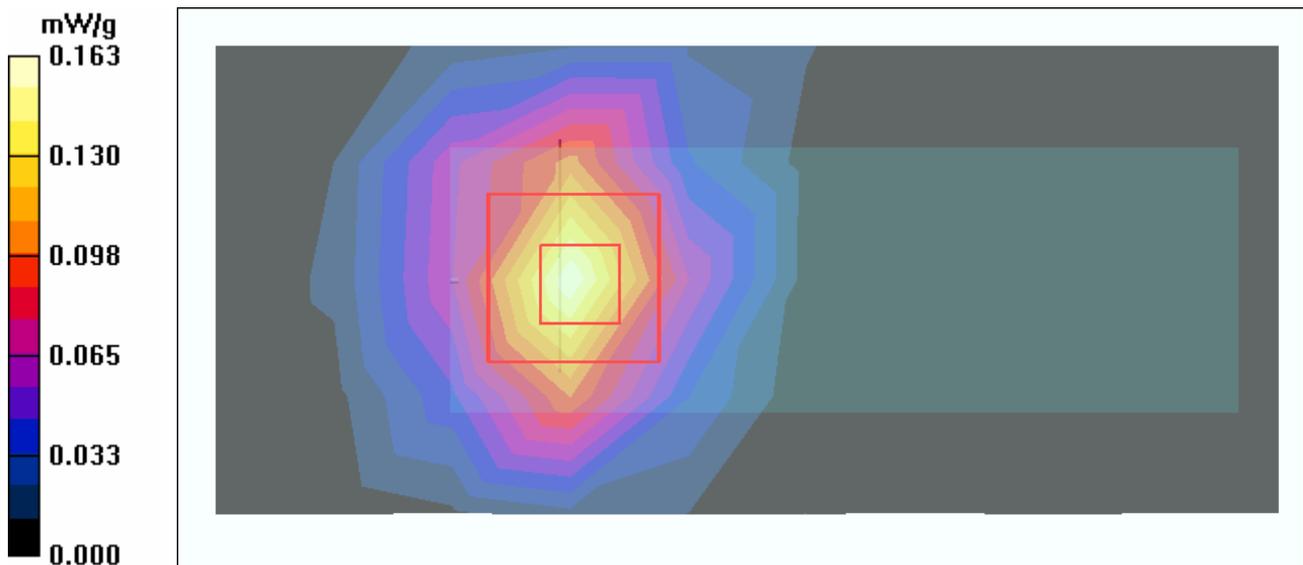
Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)
 Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.4 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 23 ; Postprocessing SW: SEMCAD, V1.8 Build 160

Mid Channel 6/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.163 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 6.01 V/m
 Peak SAR (extrapolated) = 0.301 W/kg
SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.072 mW/g
 Maximum value of SAR (measured) = 0.156 mW/g



Test Laboratory: Advance Data Technology

nx6125-11g-Ch11-Mode 4

DUT: Dell Wireless 1390 802.11g ExpressCard ; Type: WPCB-143G(Alternate) ; Test Frequency: 2462 MHz

Communication System: 802.11g ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
 Medium: MSL2450 Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.03 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 155mm

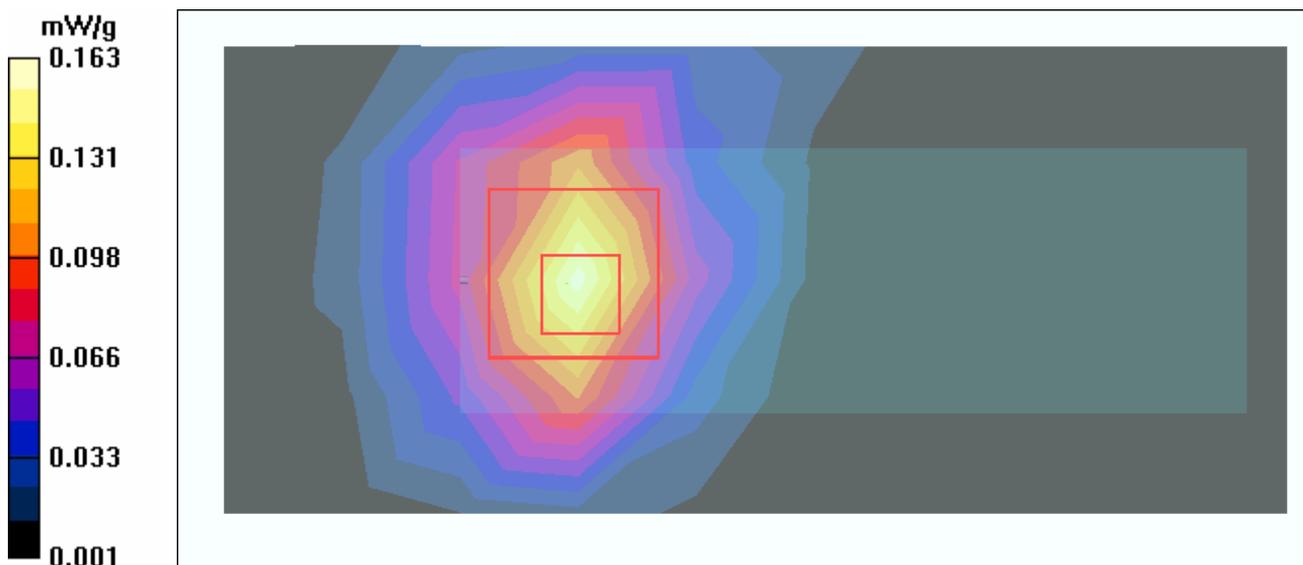
Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)
 Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.4 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 23 ; Postprocessing SW: SEMCAD, V1.8 Build 160

High Channel 11/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.158 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 6.15 V/m
 Peak SAR (extrapolated) = 0.310 W/kg
SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.076 mW/g
 Maximum value of SAR (measured) = 0.163 mW/g



Test Laboratory: Advance Data Technology

nx6125-11g-Ch6-turbo mode-Mode 4

DUT: Dell Wireless 1390 802.11g ExpressCard ; Type: WPCB-143G(Alternate) ; Test Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
 Medium: MSL2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.99 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 155mm

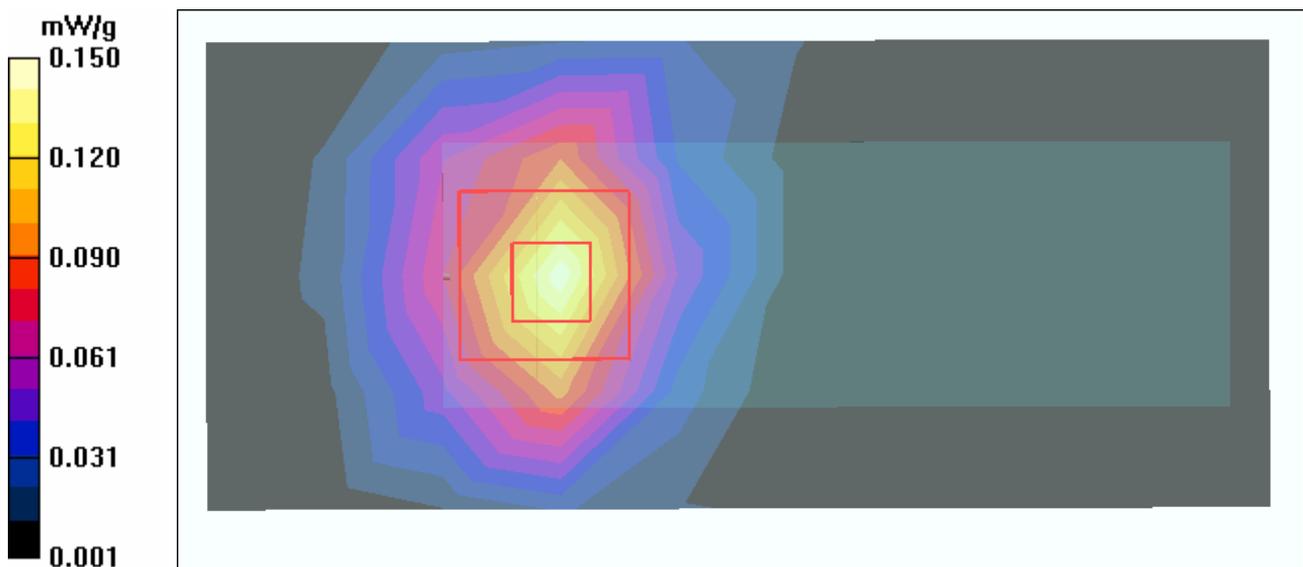
Phantom section: Flat Section ; Separation distance : 14 mm (The bottom side of the EUT to the Phantom)
 Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.4 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 23 ; Postprocessing SW: SEMCAD, V1.8 Build 160

Mid Channel 6/Area Scan (5x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.148 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 6.27 V/m
 Peak SAR (extrapolated) = 0.298 W/kg
SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.069 mW/g
 Maximum value of SAR (measured) = 0.150 mW/g



Test Laboratory: Advance Data Technology

System Validation Check-MSL 2450MHz

DUT: Dipole 2450 MHz ; Type: D2450V2 ; Serial: 737 ; Test Frequency: 2450 MHz

Communication System: CW ; Frequency: 2450 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: MSL2450; Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³ ; Liquid level : 155 mm
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 22.1 degrees ; Liquid temp. : 21.4 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(4.35, 4.35, 4.35) ; Calibrated: 2004/12/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

d=10mm, Pin=250mW/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 14.5 mW/g

d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 89.8 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 27.6 W/kg

SAR(1 g) = 12.9 mW/g; SAR(10 g) = 5.91 mW/g

Maximum value of SAR (measured) = 14.6 mW/g

