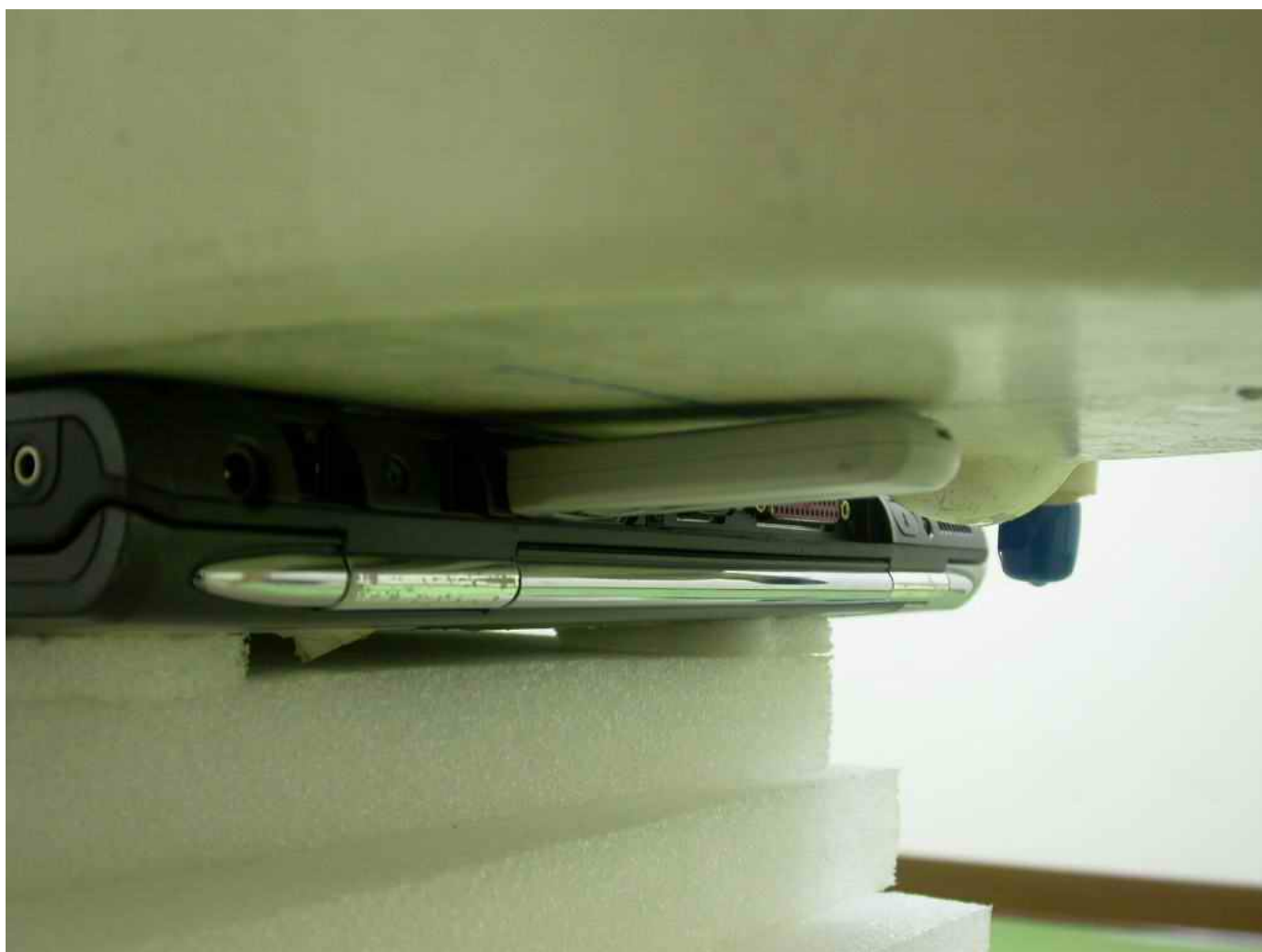


APPENDIX A: TEST CONFIGURATIONS AND TEST DATA

A1: TEST CONFIGURATION

EUT place : Horizontal

NB : Compaq EVO N800C



The bottom of the EUT to the flat phantom distance 2 mm

EUT place : Vertical

NB : Dell C600



The right of the EUT to the flat phantom distance 0 mm

EUT place : Horizontal

NB : Compaq EVO N800C



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

EUT place : Vertical

NB : Compaq EVO N800C



The left of the EUT to the flat phantom distance 0 mm

EUT place : Vertical

NB : Compaq EVO N800C



The right of the EUT to the flat phantom distance 0 mm

EUT place : Horizontal

NB : Dell C600



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

EUT Photo







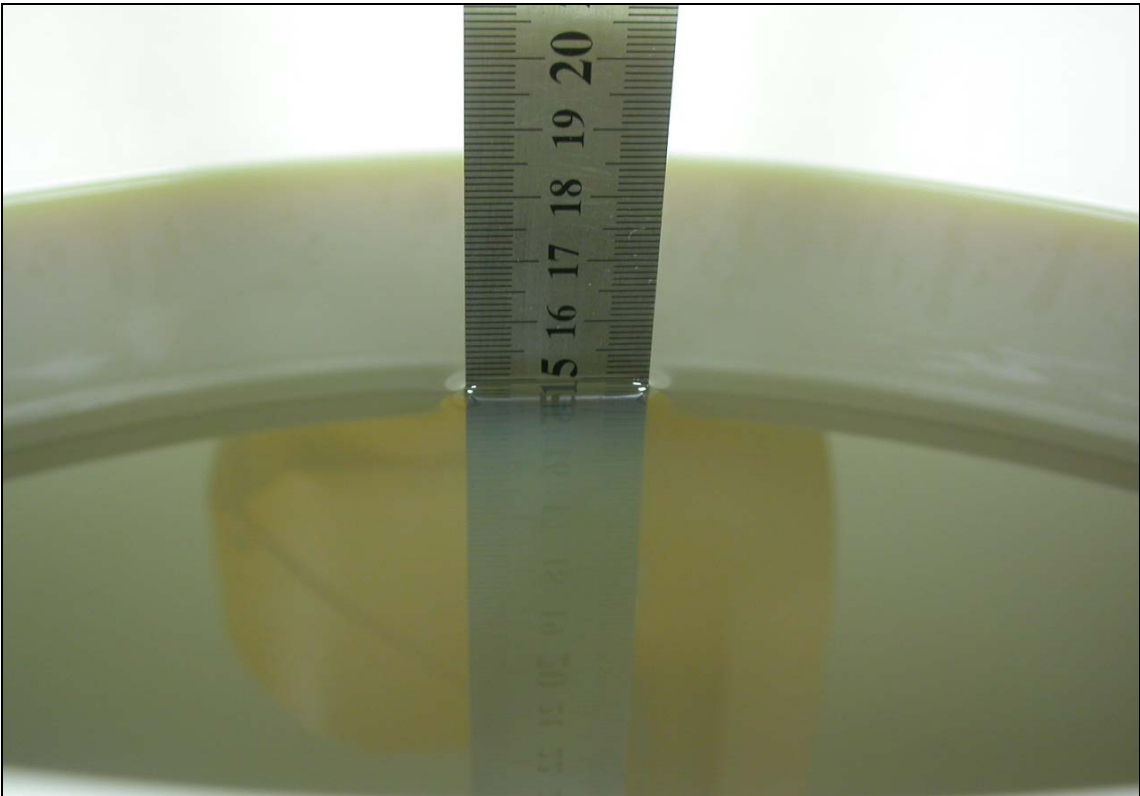


Liquid Level Photo

MSL 2450MHz D=152mm



MSL 5000MHz D=150mm



Date/Time: 2005/6/23 09:30:27

Test Laboratory: Advance Data Technology

DCUA-81 Horizontal 11b N800C Mode 1

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2412 MHz

Communication System: 802.11b ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³ ; Liquid level : 152mm

Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 1/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.271 mW/g

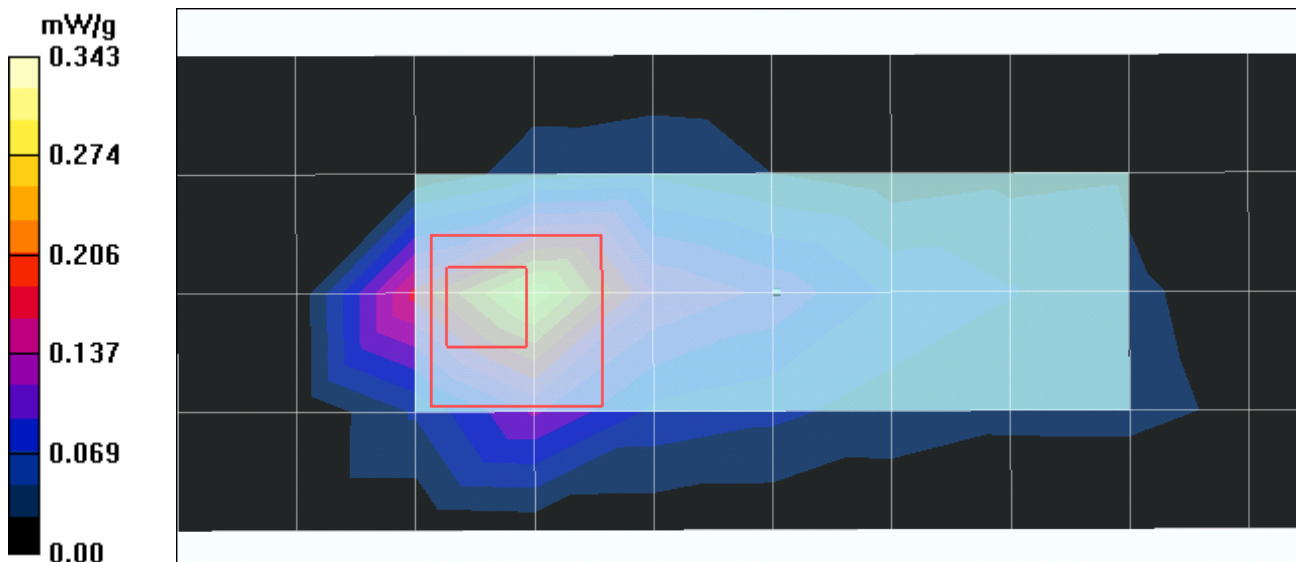
Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.38 V/m

Peak SAR (extrapolated) = 0.926 W/kg

SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.129 mW/g

Maximum value of SAR (measured) = 0.343 mW/g



Date/Time: 2005/6/23 09:47:57

Test Laboratory: Advance Data Technology

DCUA-81 Horizontal 11b N800C Mode 1

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³ ; Liquid level : 152mm

Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.311 mW/g

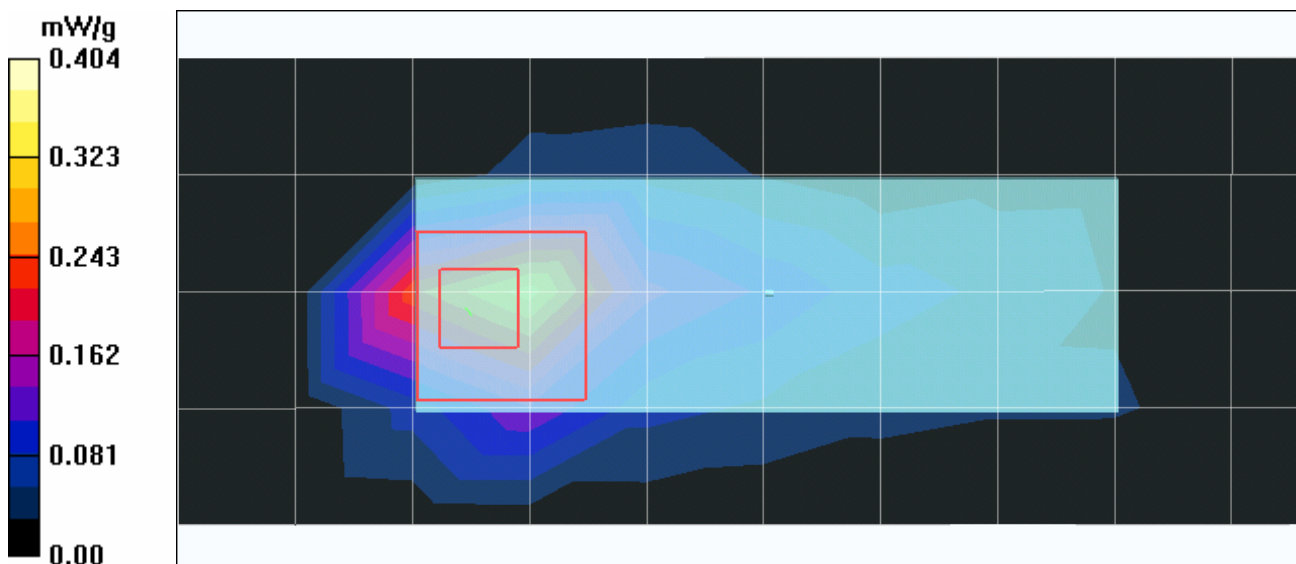
Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

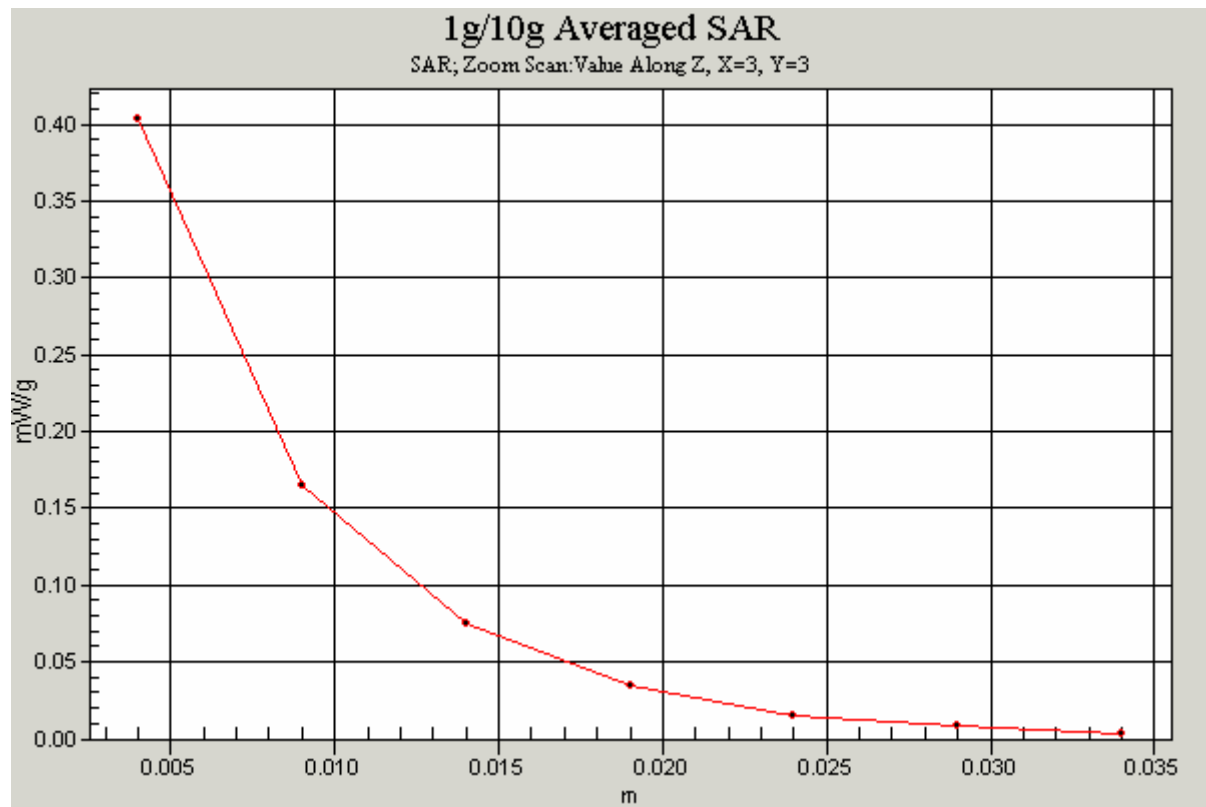
Reference Value = 7.73 V/m

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.359 mW/g; SAR(10 g) = 0.144 mW/g

Maximum value of SAR (measured) = 0.404 mW/g





Date/Time: 2005/6/23 10:05:39

Test Laboratory: Advance Data Technology

DCUA-81 Horizontal 11b N800C Mode 1

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2462 MHz

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.03 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 152mm

Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 11/Area Scan (5x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

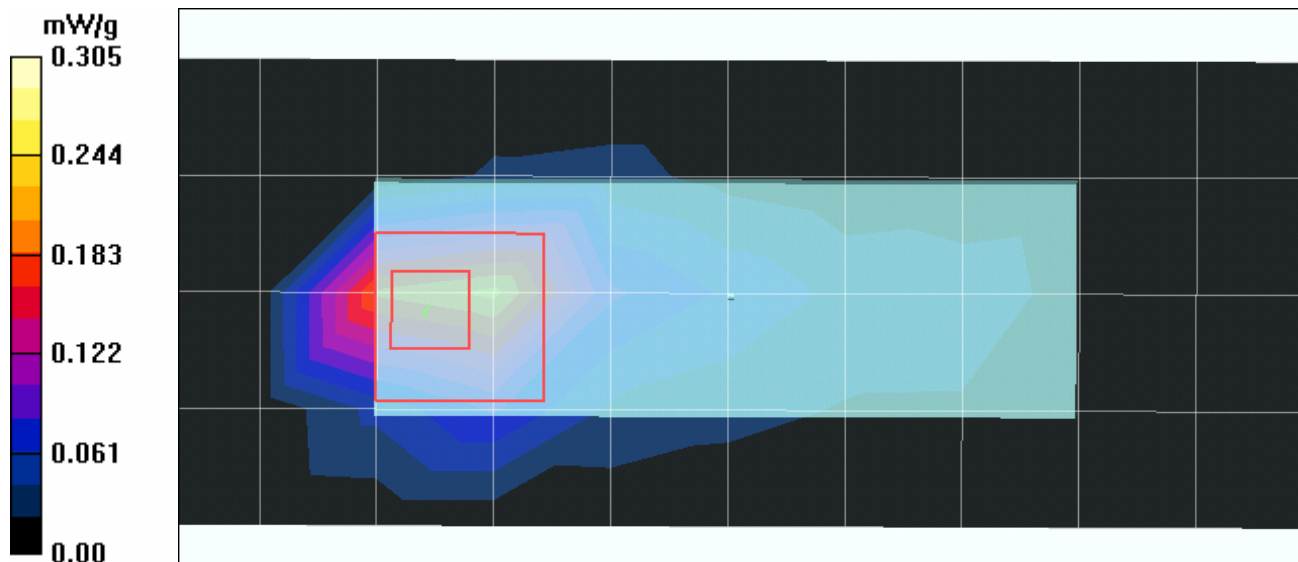
High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.70 V/m

Peak SAR (extrapolated) = 0.875 W/kg

SAR(1 g) = 0.271 mW/g; SAR(10 g) = 0.102 mW/g

Maximum value of SAR (measured) = 0.305 mW/g



Date/Time: 2005/6/23 10:24:17

Test Laboratory: Advance Data Technology

DCUA-81 Horizontal 11g N800C Mode 2

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; 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; $\epsilon_r = 54$; $\rho = 1000$ kg/m³ ; Liquid level : 152mm

Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 1/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

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

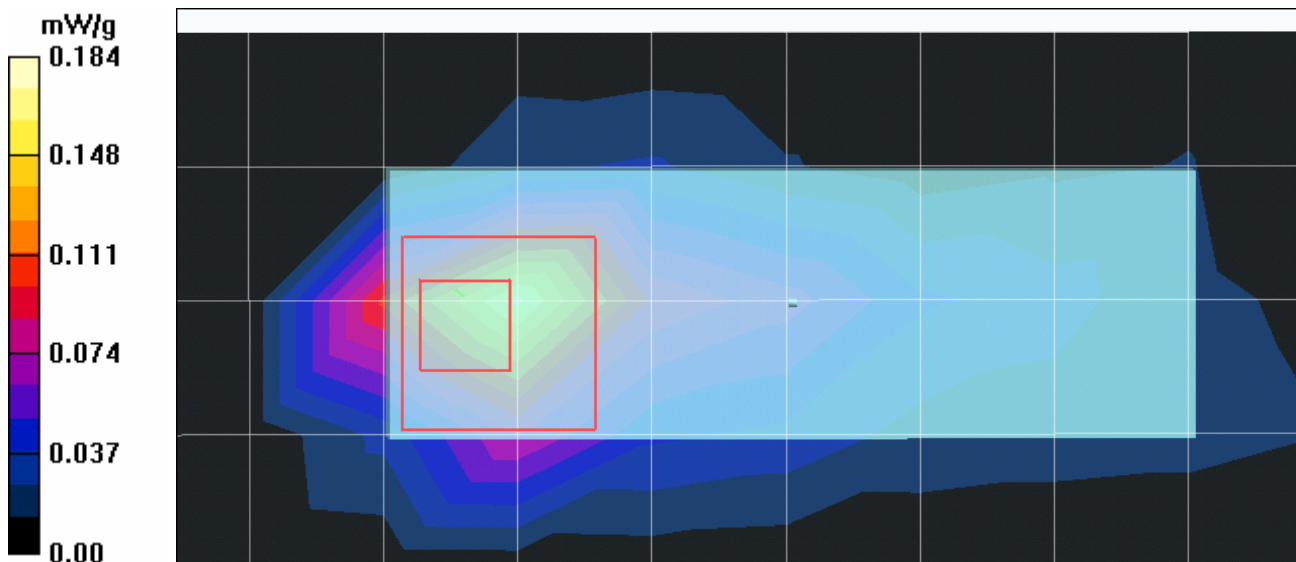
Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.16 V/m

Peak SAR (extrapolated) = 0.508 W/kg

SAR(1 g) = 0.168 mW/g; SAR(10 g) = 0.070 mW/g

Maximum value of SAR (measured) = 0.184 mW/g



Date/Time: 2005/6/23 10:42:04

Test Laboratory: Advance Data Technology

DCUA-81 Horizontal 11g N800C Mode 2

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³ ; Liquid level : 152mm

Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.190 mW/g

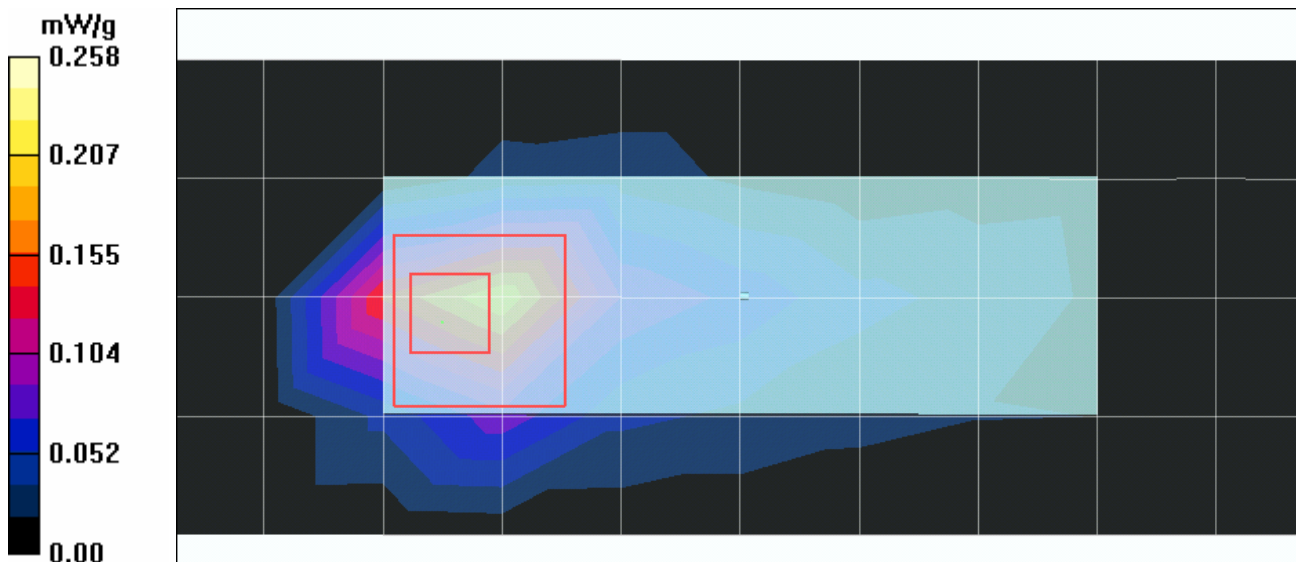
Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.07 V/m

Peak SAR (extrapolated) = 0.723 W/kg

SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.089 mW/g

Maximum value of SAR (measured) = 0.258 mW/g



Date/Time: 2005/6/23 10:59:31

Test Laboratory: Advance Data Technology

DCUA-81 Horizontal 11g N800C Mode 2

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2462 MHz

Communication System: 802.11g ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.03 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 152mm

Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 11/Area Scan (5x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.099 mW/g

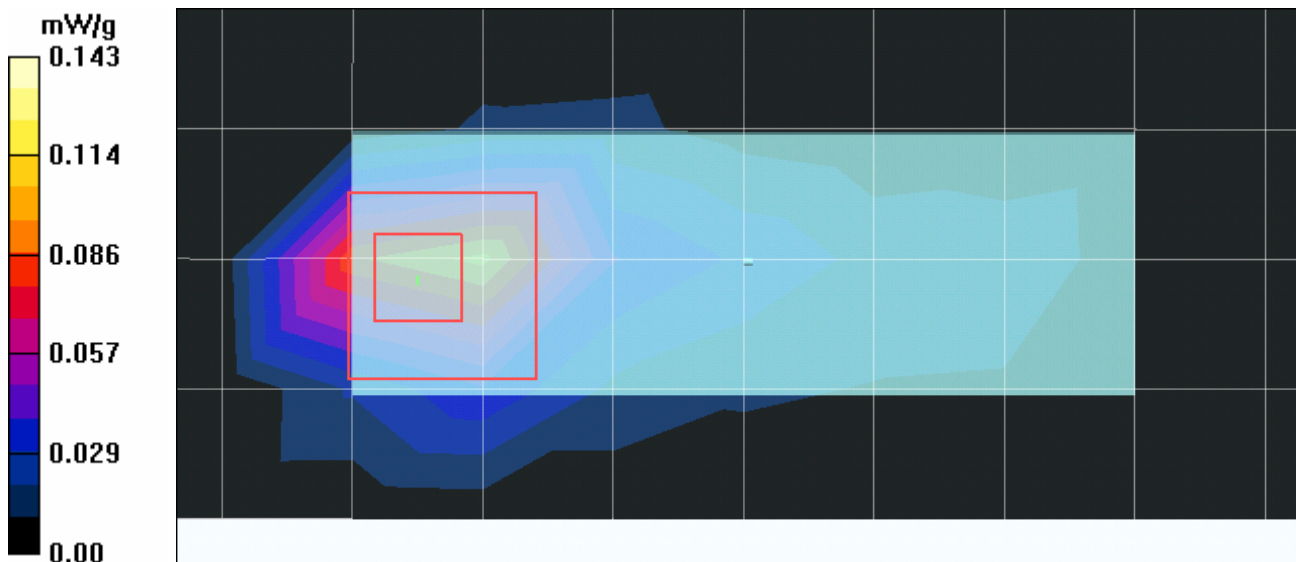
High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.82 V/m

Peak SAR (extrapolated) = 0.404 W/kg

SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.048 mW/g

Maximum value of SAR (measured) = 0.143 mW/g



Date/Time: 2005/6/23 11:18:14

Test Laboratory: Advance Data Technology

DCUA-81 Horizontal 11g-Turbo N800C Mode 3

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³ ; Liquid level : 152mm

Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.168 mW/g

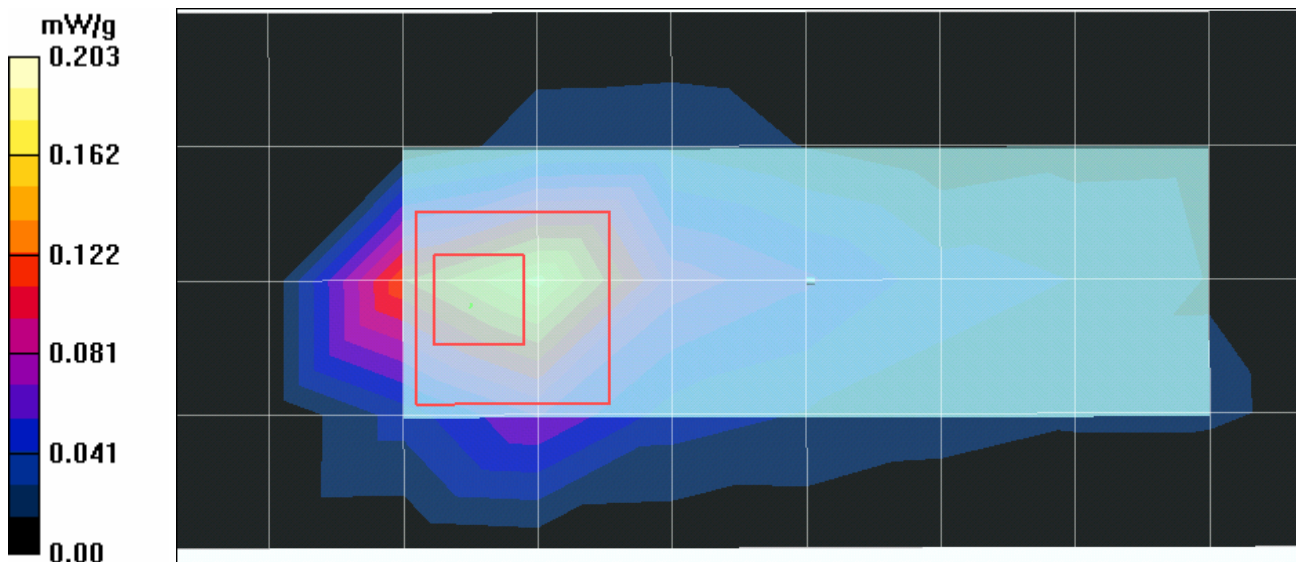
Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.48 V/m

Peak SAR (extrapolated) = 0.563 W/kg

SAR(1 g) = 0.181 mW/g; SAR(10 g) = 0.073 mW/g

Maximum value of SAR (measured) = 0.203 mW/g



Date/Time: 2005/6/23 11:38:59

Test Laboratory: Advance Data Technology

DCUA-81 Vertical 11b C600 Mode 4

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2412 MHz

Communication System: 802.11b ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³ ; Liquid level : 152mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 1/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.191 mW/g

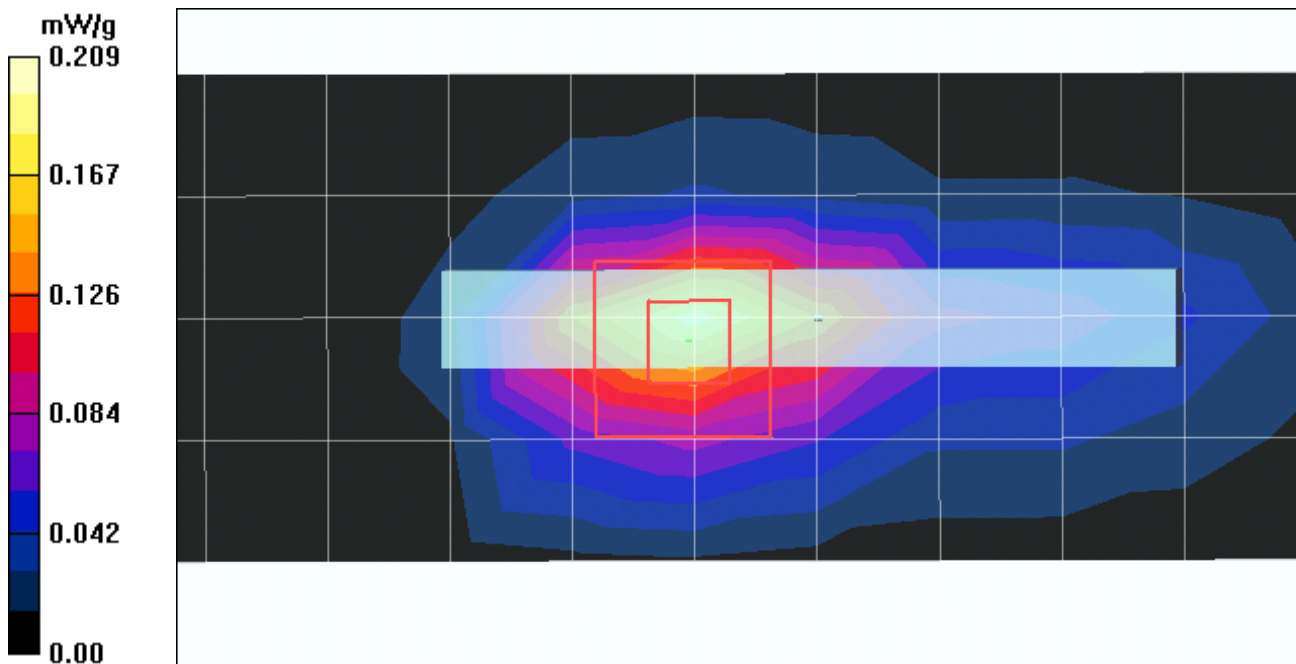
Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.13 V/m

Peak SAR (extrapolated) = 0.408 W/kg

SAR(1 g) = 0.188 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.209 mW/g



Date/Time: 2005/6/23 11:56:07

Test Laboratory: Advance Data Technology

DCUA-81 Vertical 11b C600 Mode 4

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³ ; Liquid level : 152mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.228 mW/g

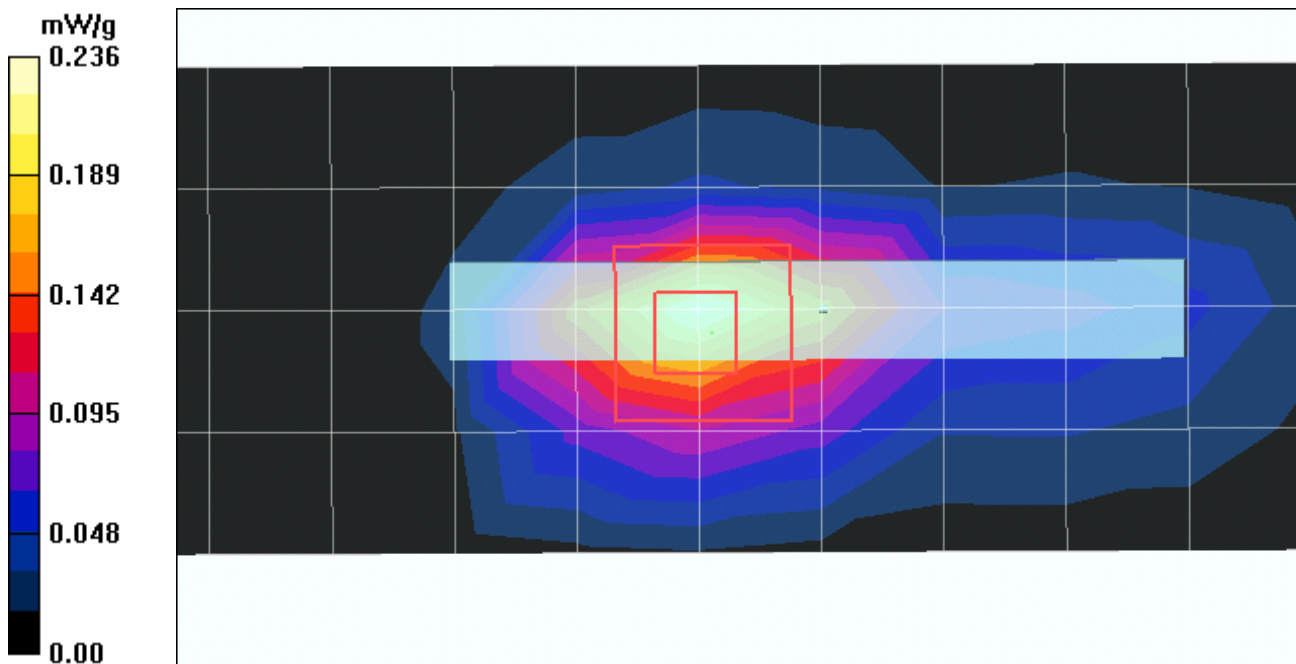
Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

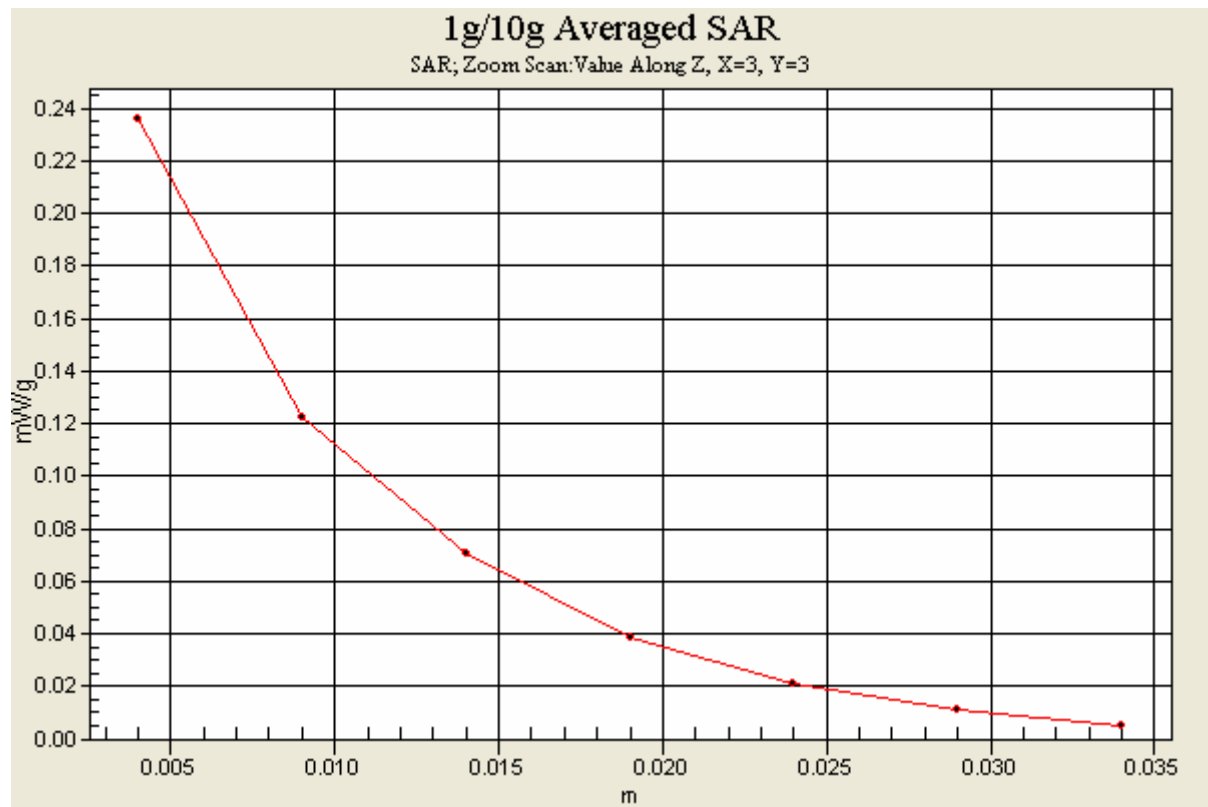
Reference Value = 9.45 V/m

Peak SAR (extrapolated) = 0.447 W/kg

SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.106 mW/g

Maximum value of SAR (measured) = 0.236 mW/g





Date/Time: 2005/6/23 12:13:23

Test Laboratory: Advance Data Technology

DCUA-81 Vertical 11b C600 Mode 4

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2462 MHz

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.03 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 152mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 11/Area Scan (5x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

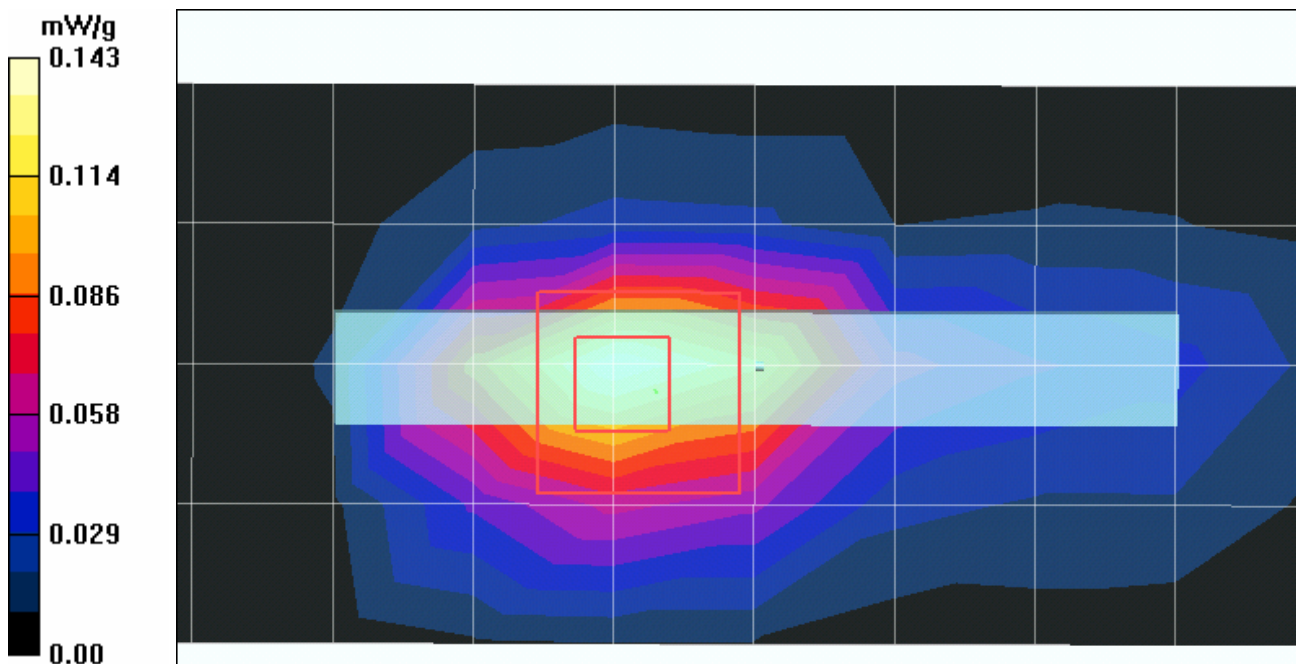
Maximum value of SAR (measured) = 0.143 mW/g

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

Reference Value = 8.01 V/m

Peak SAR (extrapolated) = 0.276 W/kg

SAR(1 g) = **0.130 mW/g**; SAR(10 g) = 0.065 mW/g



Date/Time: 2005/6/23 12:31:23

Test Laboratory: Advance Data Technology

DCUA-81 Vertical 11g C600 Mode 5

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2412 MHz

Communication System: 802.11b ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.95 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 152mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 1/Area Scan (5x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.112 mW/g

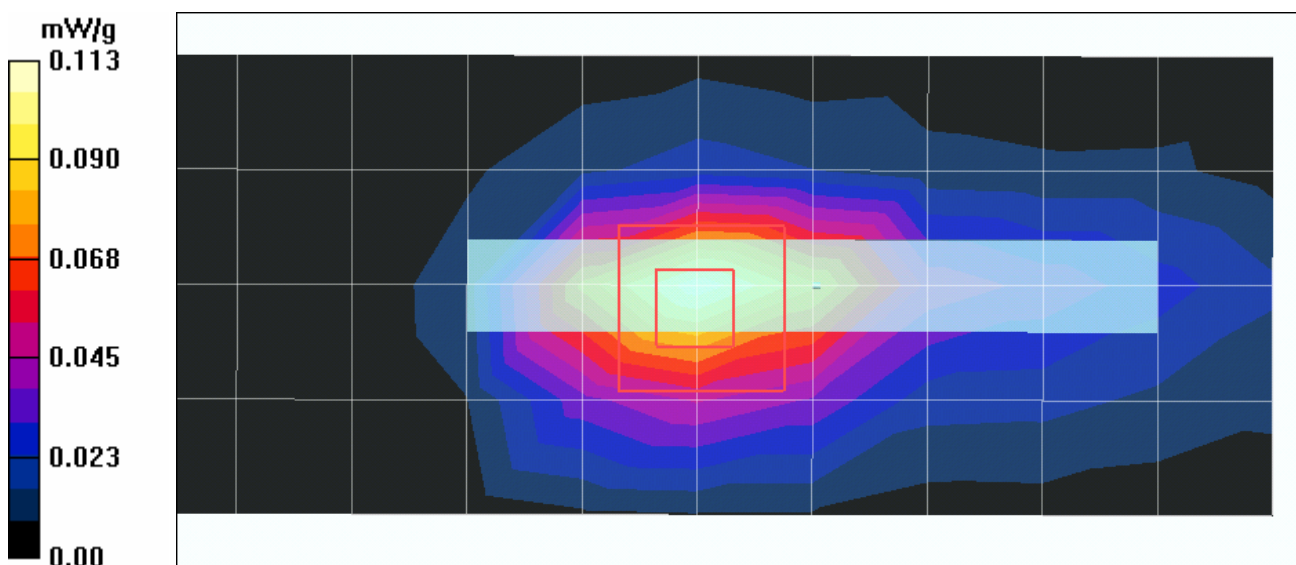
Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.92 V/m

Peak SAR (extrapolated) = 0.220 W/kg

SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.051 mW/g

Maximum value of SAR (measured) = 0.113 mW/g



Test Laboratory: Advance Data Technology

DCUA-81 Vertical 11g C600 Mode 5

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.99 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 152mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

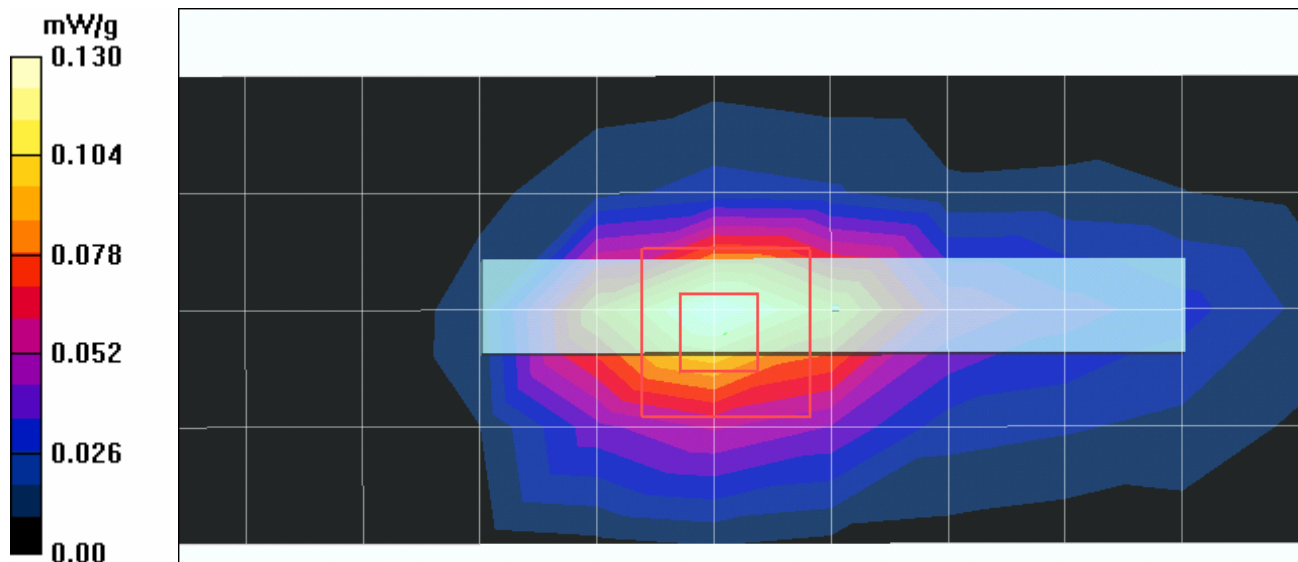
Maximum value of SAR (measured) = 0.130 mW/g

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

Reference Value = 7.66 V/m

Peak SAR (extrapolated) = 0.249 W/kg

SAR(1 g) = **0.117 mW/g**; SAR(10 g) = 0.059 mW/g



Test Laboratory: Advance Data Technology

DCUA-81 Vertical 11g C600 Mode 5

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2462 MHz

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.03$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³ ; Liquid level : 152mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 11/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.061 mW/g

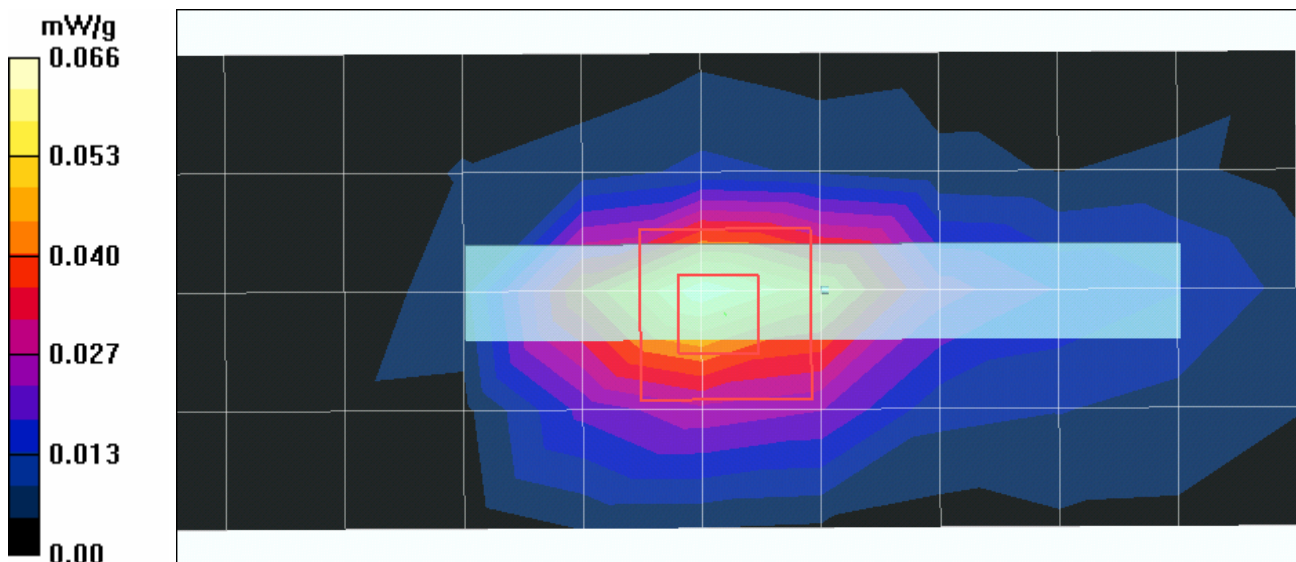
High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.27 V/m

Peak SAR (extrapolated) = 0.129 W/kg

SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.030 mW/g

Maximum value of SAR (measured) = 0.066 mW/g



Test Laboratory: Advance Data Technology

DCUA-81 Vertical 11g-Turbo C600 Mode 6

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³ ; Liquid level : 152mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.106 mW/g

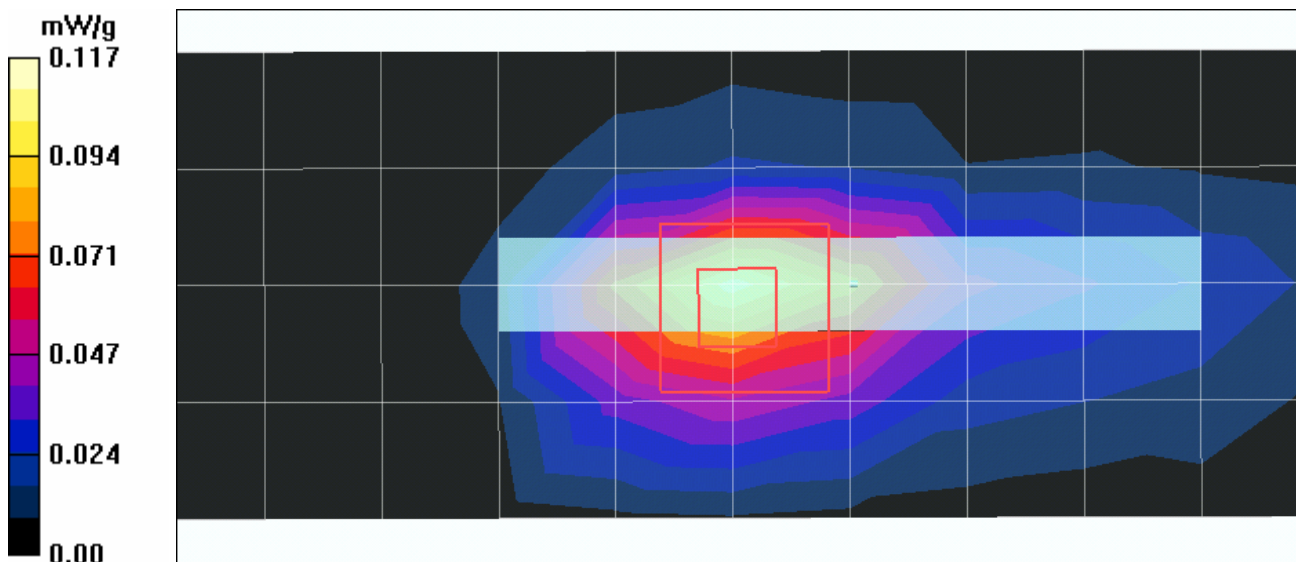
Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.88 V/m

Peak SAR (extrapolated) = 0.219 W/kg

SAR(1 g) = 0.106 mW/g; SAR(10 g) = 0.053 mW/g

Maximum value of SAR (measured) = 0.117 mW/g



Test Laboratory: Advance Data Technology

DCUA-81 Horizontal 11a-Normal N800C Mode 7

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5180 MHz

Communication System: 802.11a ; Frequency: 5180 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.28 \text{ mho/m}$; $\epsilon_r = 48$; $\rho = 1000$

kg/m^3 ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19

- Sensor-Surface: 2mm (Mechanical Surface Detection)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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 5180/Area Scan (5x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.573 mW/g

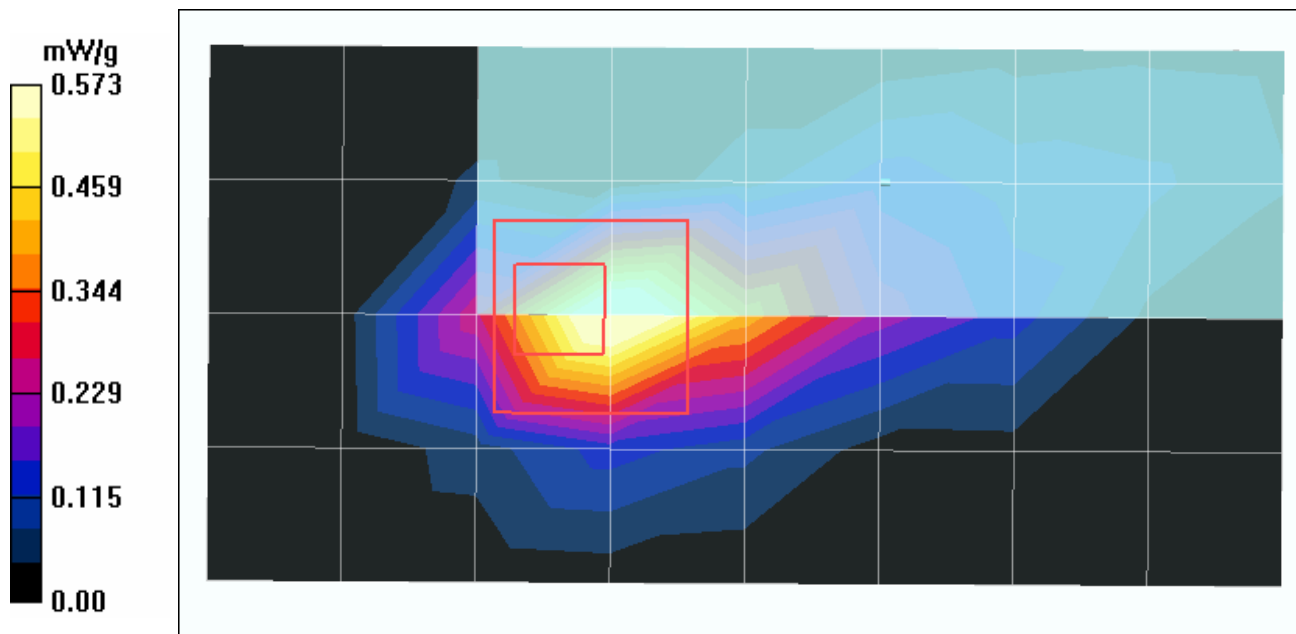
Low Channel 5180/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.72 V/m

Peak SAR (extrapolated) = 3.39 W/kg

SAR(1 g) = 0.524 mW/g; SAR(10 g) = 0.151 mW/g

Maximum value of SAR (measured) = 0.497 mW/g



Test Laboratory: Advance Data Technology

DCUA-81 Horizontal 11a-Normal N800C Mode 7

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5240 MHz

Communication System: 802.11a ; Frequency: 5240 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.38$ mho/m; $\epsilon_r = 48$; $\rho = 1000$

kg/m³ ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5240/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.461 mW/g

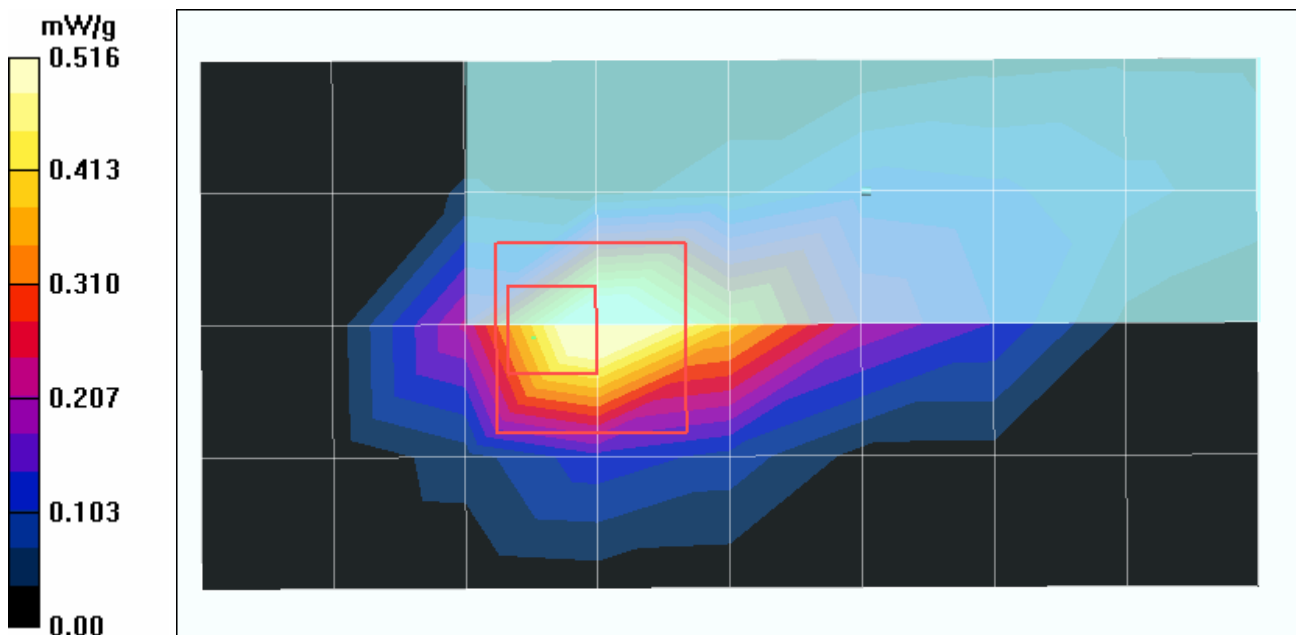
Mid Channel 5240/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.69 V/m

Peak SAR (extrapolated) = 2.18 W/kg

SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.139 mW/g

Maximum value of SAR (measured) = 0.516 mW/g



Test Laboratory: Advance Data Technology

DCUA-81 Horizontal 11a-Normal N800C Mode 7

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5260 MHz

Communication System: 802.11a ; Frequency: 5260 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.4$ mho/m; $\epsilon_r = 48$; $\rho = 1000$

kg/m³ ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5260/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.676 mW/g

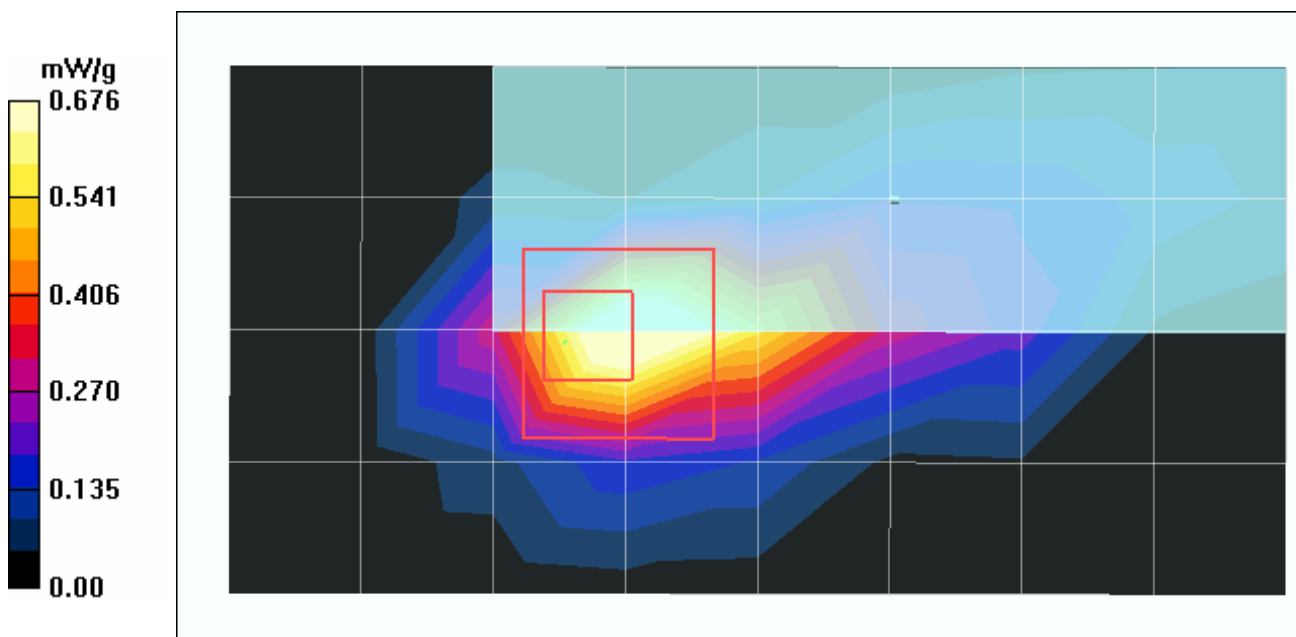
Mid Channel 5260/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

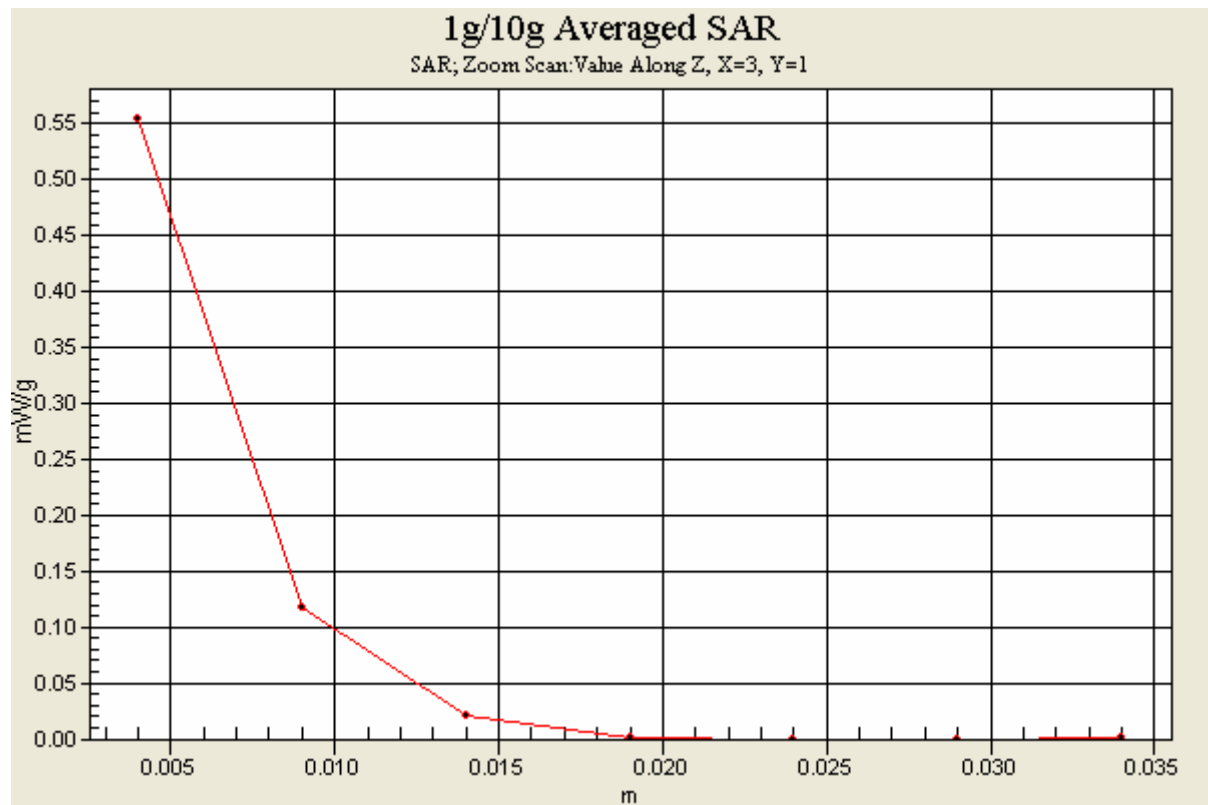
Reference Value = 4.02 V/m

Peak SAR (extrapolated) = 2.99 W/kg

SAR(1 g) = 0.561 mW/g; SAR(10 g) = 0.163 mW/g

Maximum value of SAR (measured) = 0.555 mW/g





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Test Laboratory: Advance Data Technology

DCUA-81 Horizontal 11a-Normal N800C Mode 7

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5320 MHz

Communication System: 802.11a ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5320$ MHz; $\sigma = 5.49$ mho/m; $\epsilon_r = 47.9$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5320/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.714 mW/g

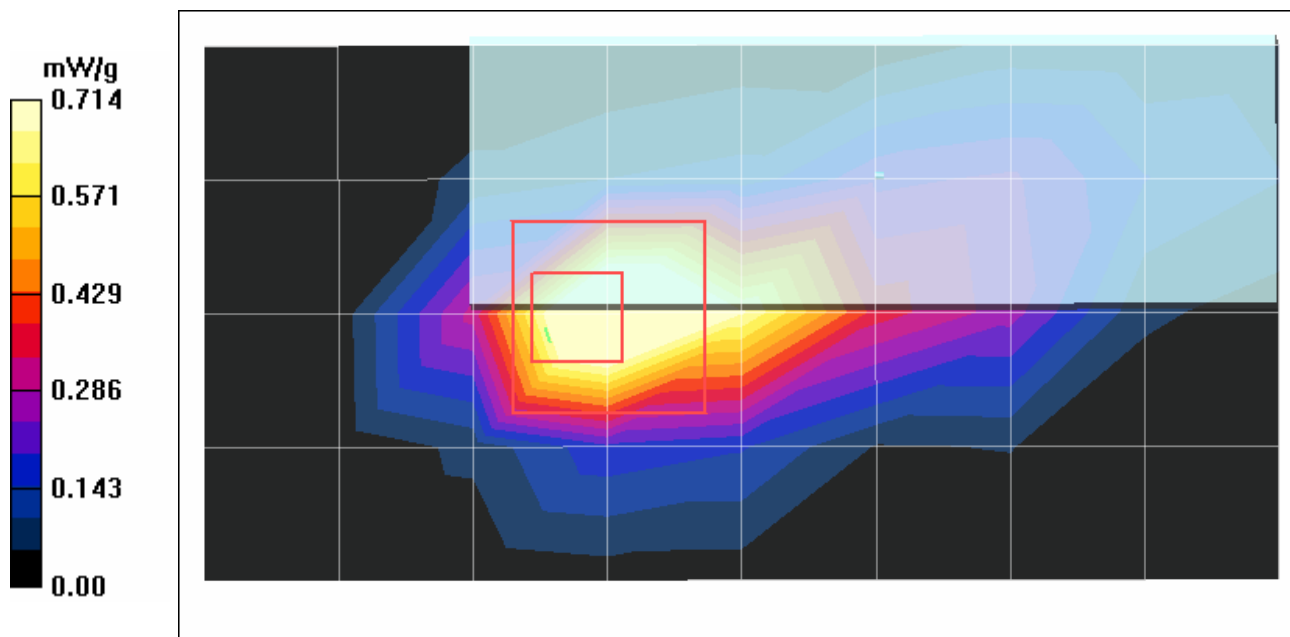
Mid Channel 5320/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.23 V/m

Peak SAR (extrapolated) = 2.92 W/kg

SAR(1 g) = 0.546 mW/g; SAR(10 g) = 0.166 mW/g

Maximum value of SAR (measured) = 0.510 mW/g



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Test Laboratory: Advance Data Technology

DCUA-81 Horizontal 11a-Normal N800C Mode 7

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5745 MHz

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.15$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5745/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

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

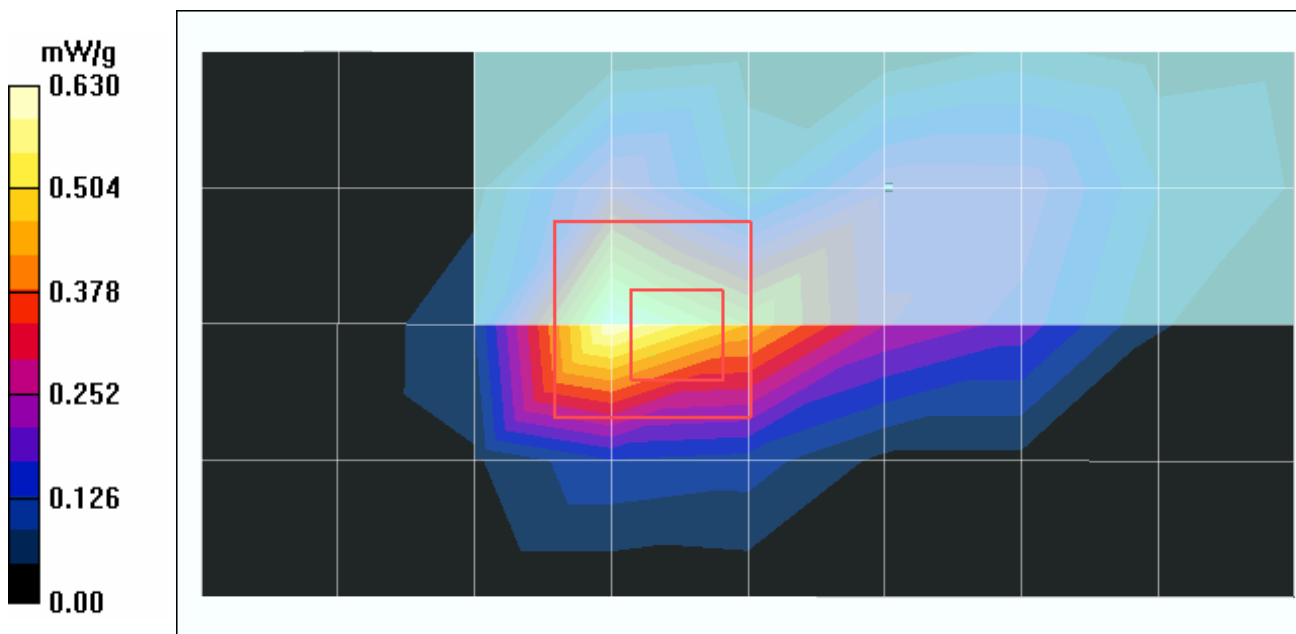
Mid Channel 5745/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.51 V/m

Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.117 mW/g

Maximum value of SAR (measured) = 0.345 mW/g



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Test Laboratory: Advance Data Technology

DCUA-81 Horizontal 11a-Normal N800C Mode 7

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5785 MHz

Communication System: 802.11a ; Frequency: 5785 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 6.22 \text{ mho/m}$; $\epsilon_r = 46.9$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5785/Area Scan (5x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.651 mW/g

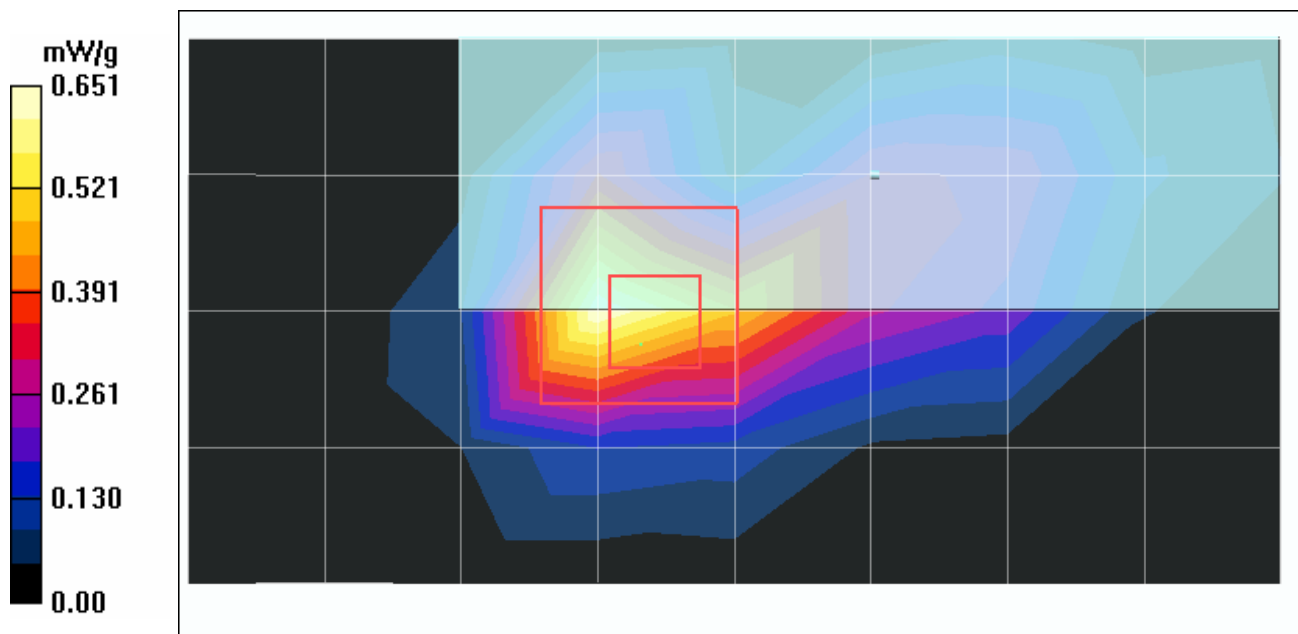
Mid Channel 5785/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.87 V/m

Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.122 mW/g

Maximum value of SAR (measured) = 0.363 mW/g



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Test Laboratory: Advance Data Technology

DCUA-81 Horizontal 11a-Normal N800C Mode 7

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5825 MHz

Communication System: 802.11a ; Frequency: 5825 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 6.28 \text{ mho/m}$; $\epsilon_r = 46.8$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 5825/Area Scan (5x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.646 mW/g

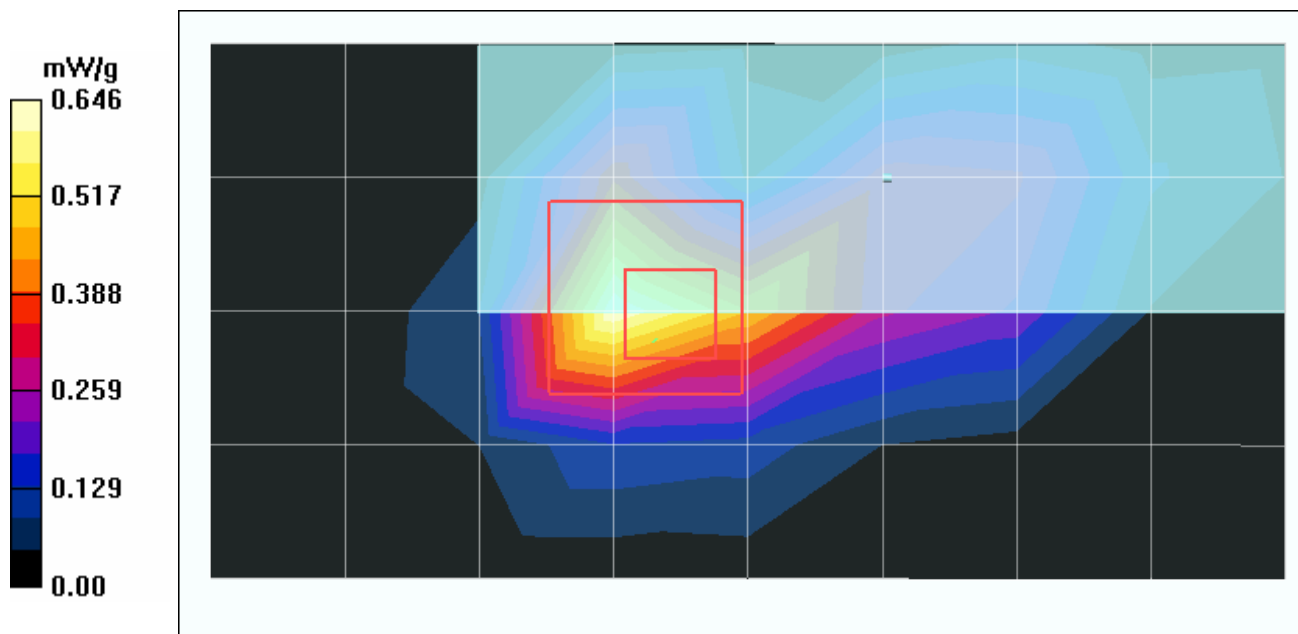
High Channel 5825/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.95 V/m

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.338 mW/g; SAR(10 g) = 0.111 mW/g

Maximum value of SAR (measured) = 0.357 mW/g



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Test Laboratory: Advance Data Technology

DCUA-81 Horizontal 11a-Turbo N800C Mode 8

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5210 MHz

Communication System: 802.11a ; Frequency: 5210 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5210 \text{ MHz}$; $\sigma = 5.33 \text{ mho/m}$; $\epsilon_r = 48$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 5210/Area Scan (5x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.721 mW/g

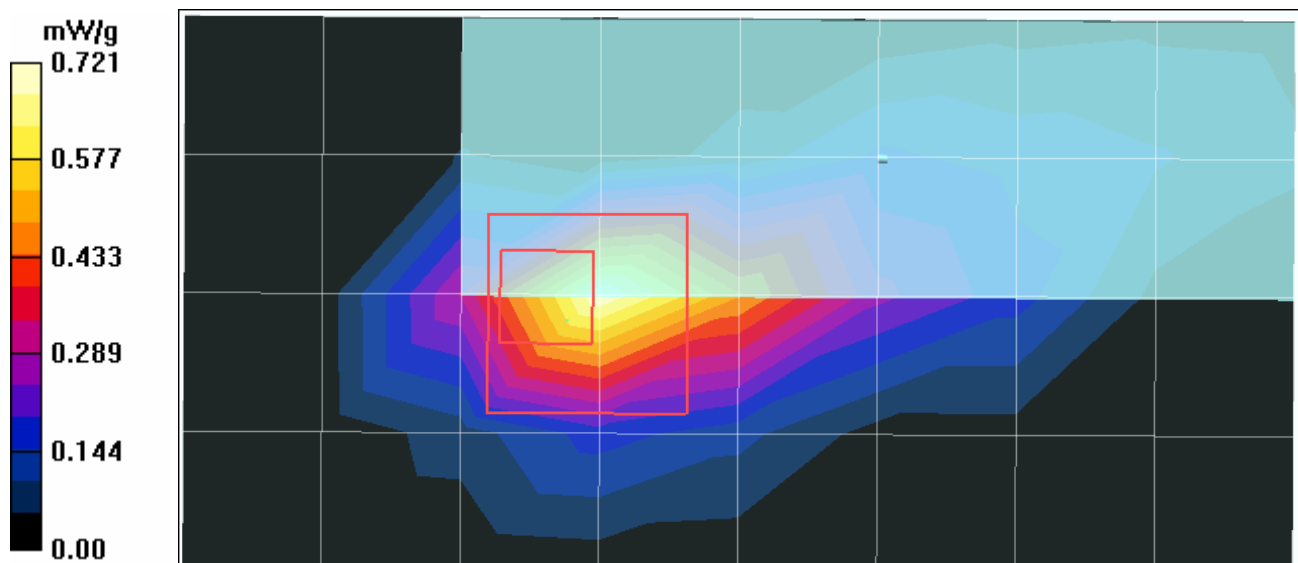
Low Channel 5210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.16 V/m

Peak SAR (extrapolated) = 3.30 W/kg

SAR(1 g) = 0.638 mW/g; SAR(10 g) = 0.182 mW/g

Maximum value of SAR (measured) = 0.628 mW/g



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Test Laboratory: Advance Data Technology

DCUA-81 Horizontal 11a-Turbo N800C Mode 8

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5250 MHz

Communication System: 802.11a ; Frequency: 5250 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5250$ MHz; $\sigma = 5.39$ mho/m; $\epsilon_r = 48$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5250/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.917 mW/g

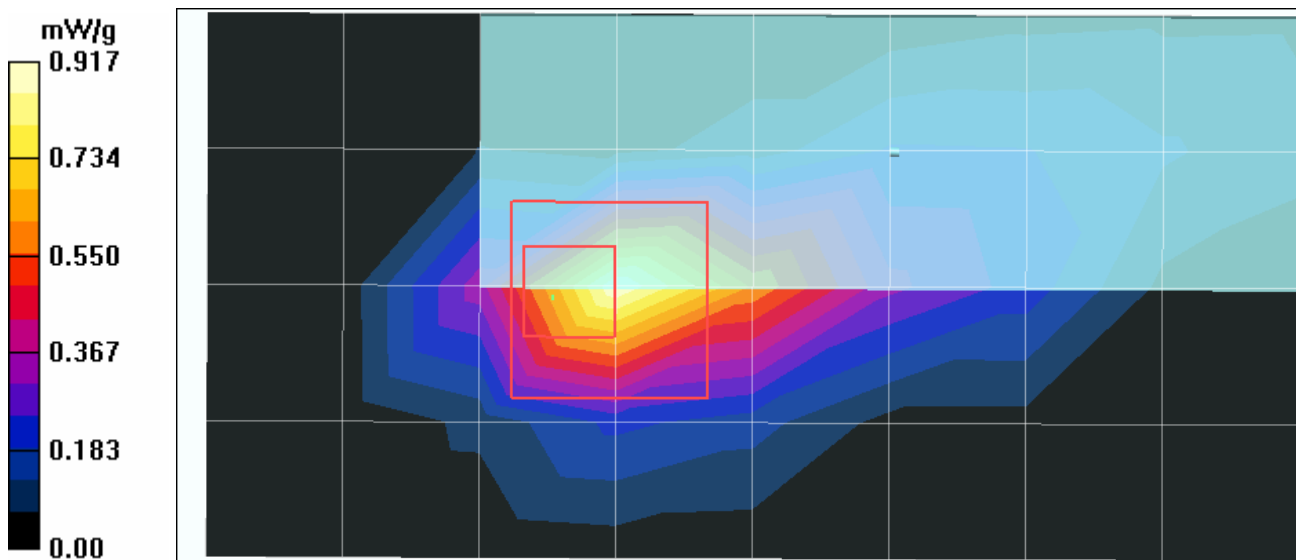
Mid Channel 5250/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

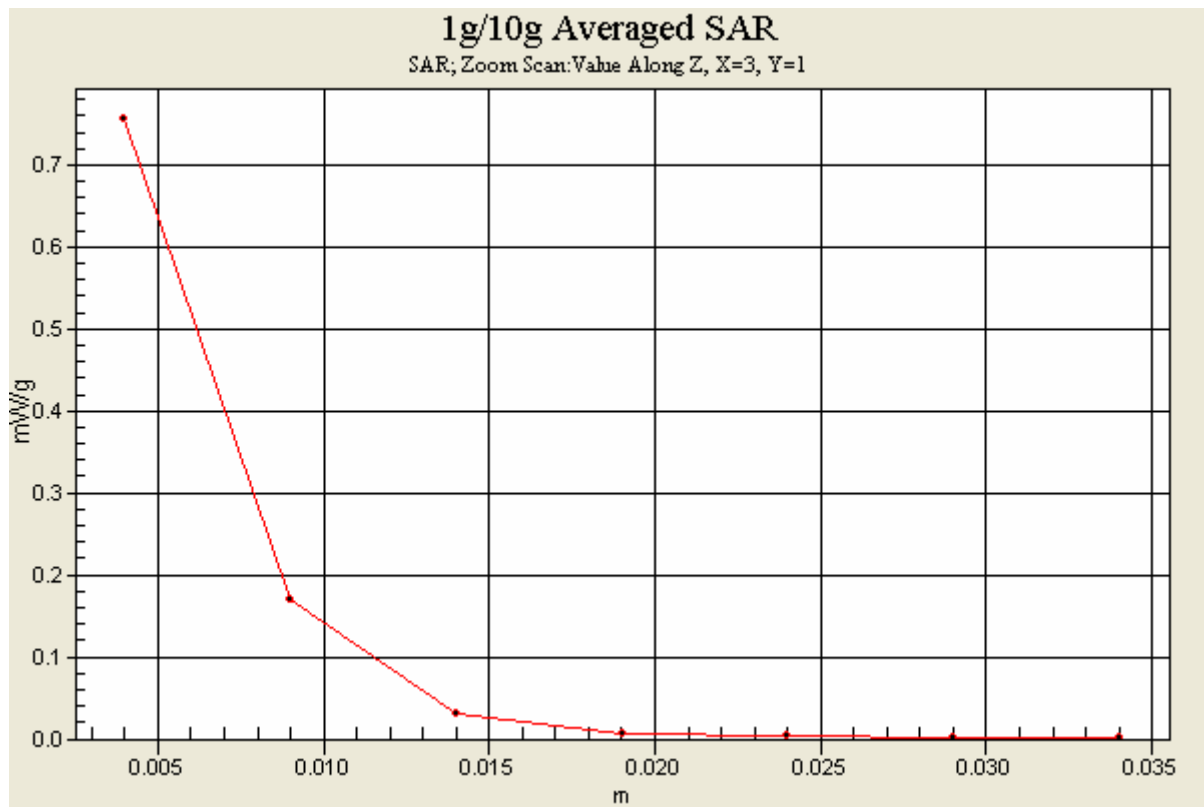
Reference Value = 4.63 V/m

Peak SAR (extrapolated) = 4.07 W/kg

SAR(1 g) = 0.761 mW/g; SAR(10 g) = 0.221 mW/g

Maximum value of SAR (measured) = 0.756 mW/g





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Test Laboratory: Advance Data Technology

DCUA-81 Horizontal 11a-Turbo N800C Mode 8

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5290 MHz

Communication System: 802.11a ; Frequency: 5290 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5290$ MHz; $\sigma = 5.44$ mho/m; $\epsilon_r = 47.9$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5290/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.819 mW/g

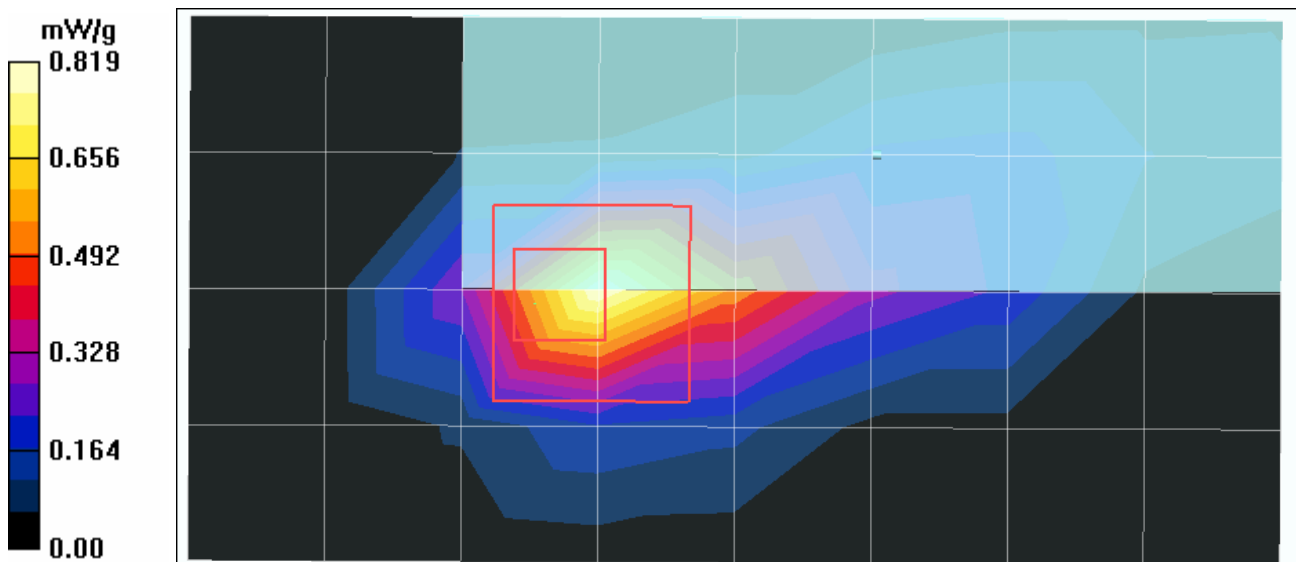
Mid Channel 5290/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.39 V/m

Peak SAR (extrapolated) = 3.43 W/kg

SAR(1 g) = 0.640 mW/g; SAR(10 g) = 0.187 mW/g

Maximum value of SAR (measured) = 0.621 mW/g



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Test Laboratory: Advance Data Technology

DCUA-81 Horizontal 11a-Turbo N800C Mode 8

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5760 MHz

Communication System: 802.11a ; Frequency: 5760 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5760$ MHz; $\sigma = 6.18$ mho/m; $\epsilon_r = 46.9$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5760/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.267 mW/g

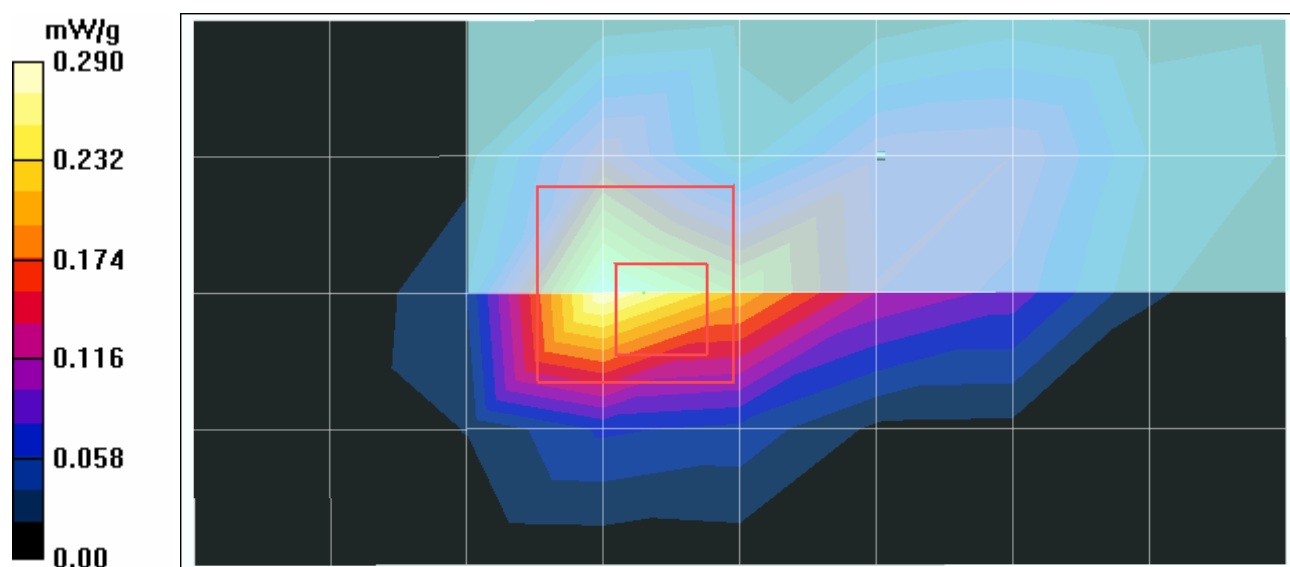
Mid Channel 5760/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.93 V/m

Peak SAR (extrapolated) = 0.895 W/kg

SAR(1 g) = 0.248 mW/g; SAR(10 g) = 0.084 mW/g

Maximum value of SAR (measured) = 0.290 mW/g



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Test Laboratory: Advance Data Technology

DCUA-81 Horizontal 11a-Turbo N800C Mode 8

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5800 MHz

Communication System: 802.11a ; Frequency: 5800 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5800$ MHz; $\sigma = 6.24$ mho/m; $\epsilon_r = 46.9$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

Phantom section: Flat Section ; Separation distance : 2 mm (The bottom side of the EUT to the Phantom)

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 5800/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.240 mW/g

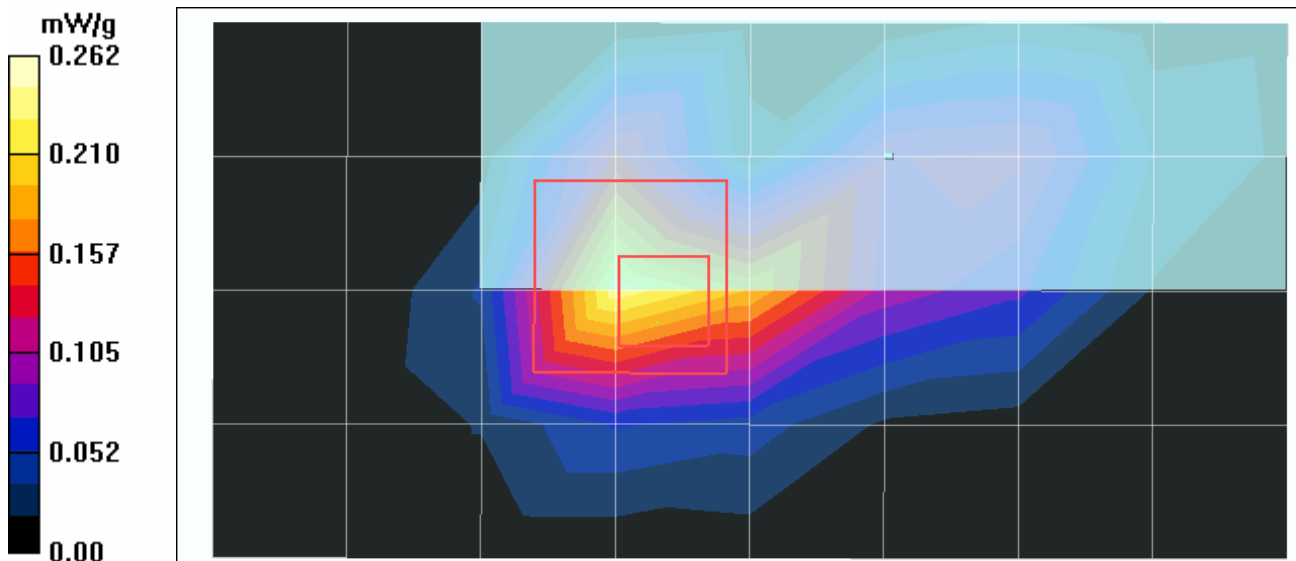
High Channel 5800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.19 V/m

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.074 mW/g

Maximum value of SAR (measured) = 0.262 mW/g



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Test Laboratory: Advance Data Technology

DCUA-81 Vertical 11a-Normal C600 Mode 9

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5180 MHz

Communication System: 802.11a ; Frequency: 5180 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5180$ MHz; $\sigma = 5.28$ mho/m; $\epsilon_r = 48$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

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

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 5180/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.050 mW/g

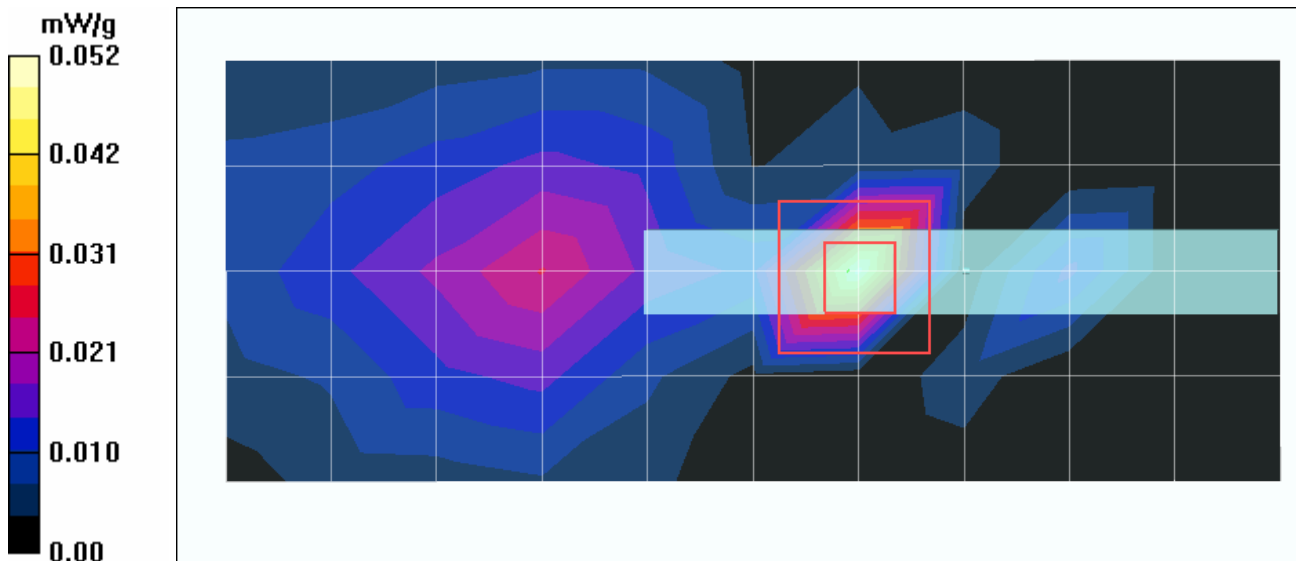
Low Channel 5180/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.57 V/m

Peak SAR (extrapolated) = 0.168 W/kg

SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.052 mW/g



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Test Laboratory: Advance Data Technology

DCUA-81Vertical 11a-Normal C600 Mode 9

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5240 MHz

Communication System: 802.11a ; Frequency: 5240 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.38$ mho/m; $\epsilon_r = 48$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

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

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5240/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.032 mW/g

Mid Channel 5240/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.20 V/m

Peak SAR (extrapolated) = 0.111 W/kg

SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.010 mW/g

Maximum value of SAR (measured) = 0.026 mW/g

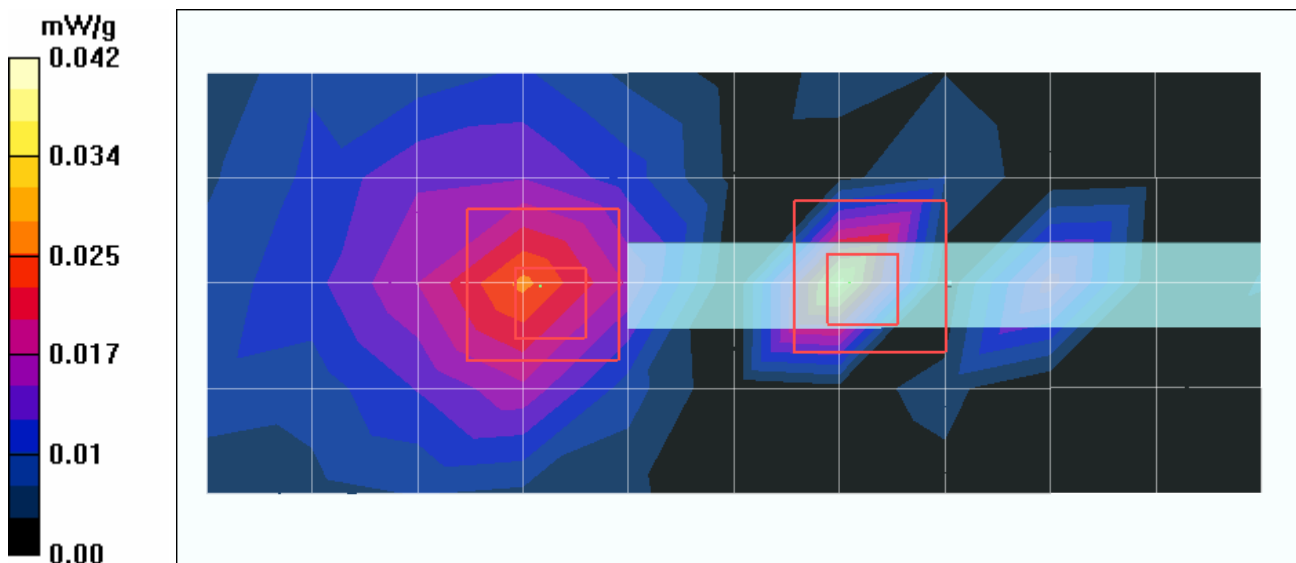
Mid Channel 5240/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.20 V/m

Peak SAR (extrapolated) = 0.219 W/kg

SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.00842 mW/g

Maximum value of SAR (measured) = 0.042 mW/g



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Test Laboratory: Advance Data Technology

DCUA-81Vertical 11a-Normal C600 Mode 9

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5260 MHz

Communication System: 802.11a ; Frequency: 5260 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.4$ mho/m; $\epsilon_r = 48$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

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

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5260/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.038 mW/g

Mid Channel 5260/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.31 V/m

Peak SAR (extrapolated) = 0.256 W/kg

SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.0098 mW/g

Maximum value of SAR (measured) = 0.047 mW/g

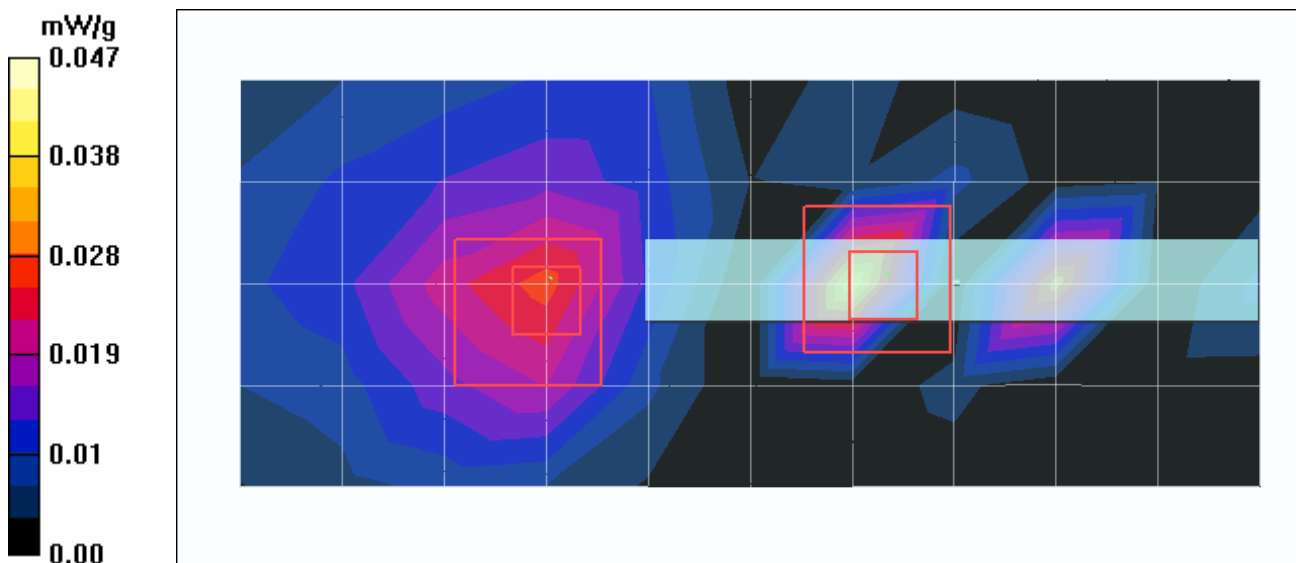
Mid Channel 5260/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.31 V/m

Peak SAR (extrapolated) = 0.132 W/kg

SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.027 mW/g



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Test Laboratory: Advance Data Technology

DCUA-81Vertical 11a-Normal C600 Mode 9

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5320 MHz

Communication System: 802.11a ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5320$ MHz; $\sigma = 5.49$ mho/m; $\epsilon_r = 47.9$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

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

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5320/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.106 mW/g

Mid Channel 5320/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.01 V/m

Peak SAR (extrapolated) = 0.129 W/kg

SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.0055 mW/g

Maximum value of SAR (measured) = 0.023 mW/g

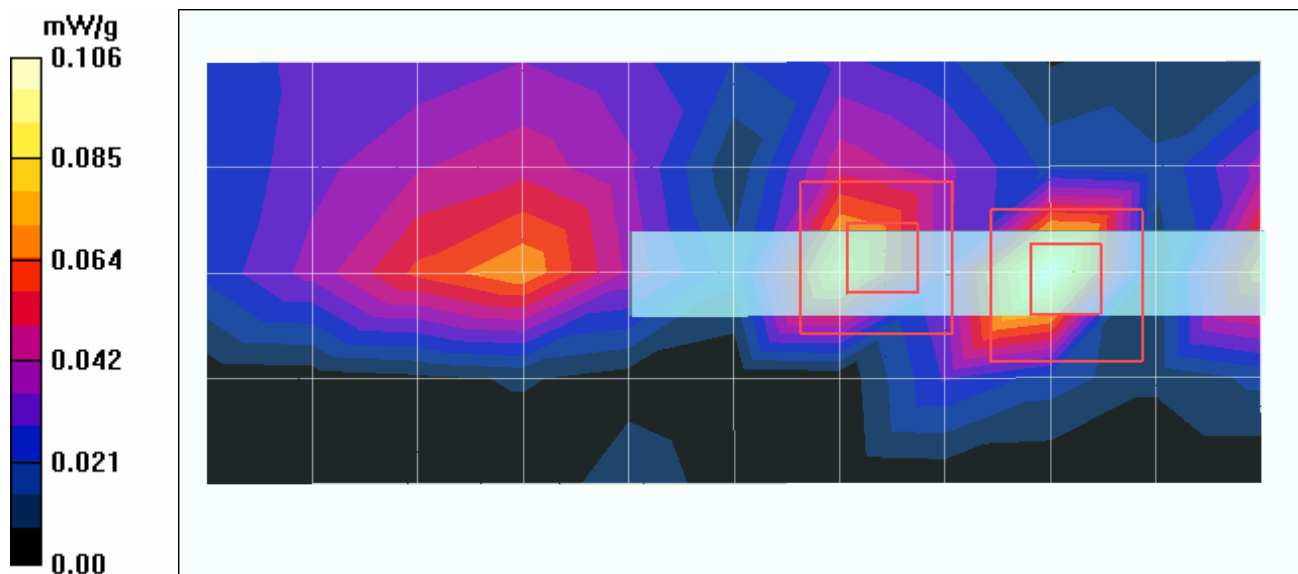
Mid Channel 5320/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.01 V/m

Peak SAR (extrapolated) = 0.110 W/kg

SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.0039 mW/g

Maximum value of SAR (measured) = 0.020 mW/g



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Test Laboratory: Advance Data Technology

DCUA-81Vertical 11a-Normal C600 Mode 9

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5745 MHz

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 6.15 \text{ mho/m}$; $\epsilon_r = 47$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 150mm

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

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5745/Area Scan (5x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.065 mW/g

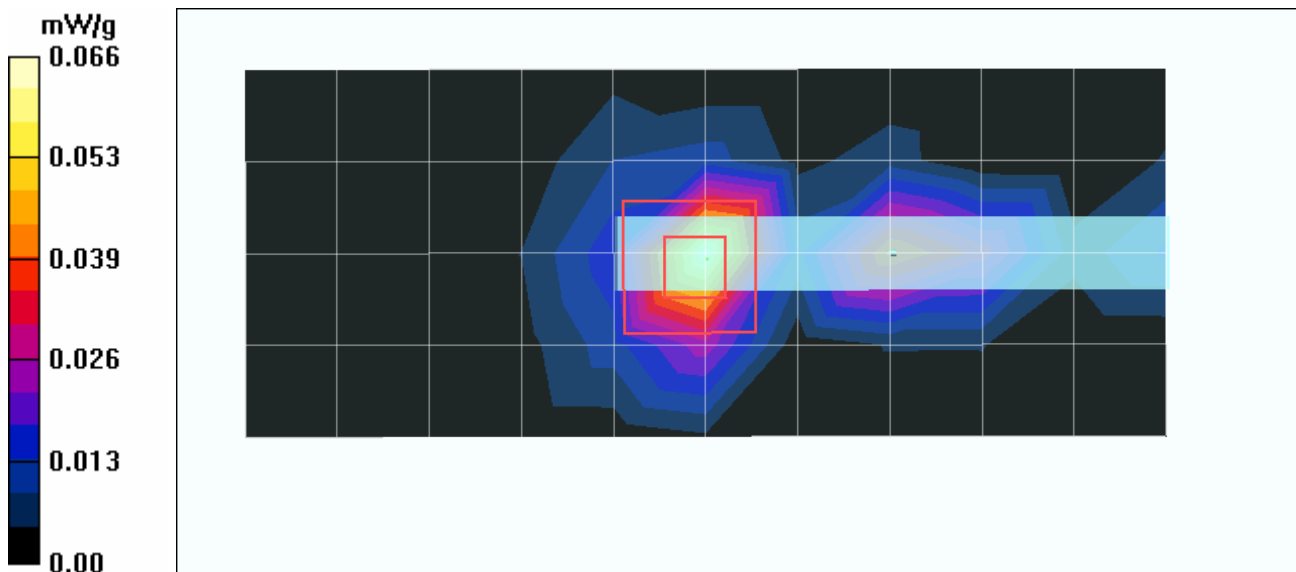
Mid Channel 5745/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.63 V/m

Peak SAR (extrapolated) = 0.230 W/kg

SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.066 mW/g



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Test Laboratory: Advance Data Technology

DCUA-81Vertical 11a-Normal C600 Mode 9

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5785 MHz

Communication System: 802.11a ; Frequency: 5785 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5782$ MHz; $\sigma = 6.22$ mho/m; $\epsilon_r = 46.9$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

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

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5785/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.071 mW/g

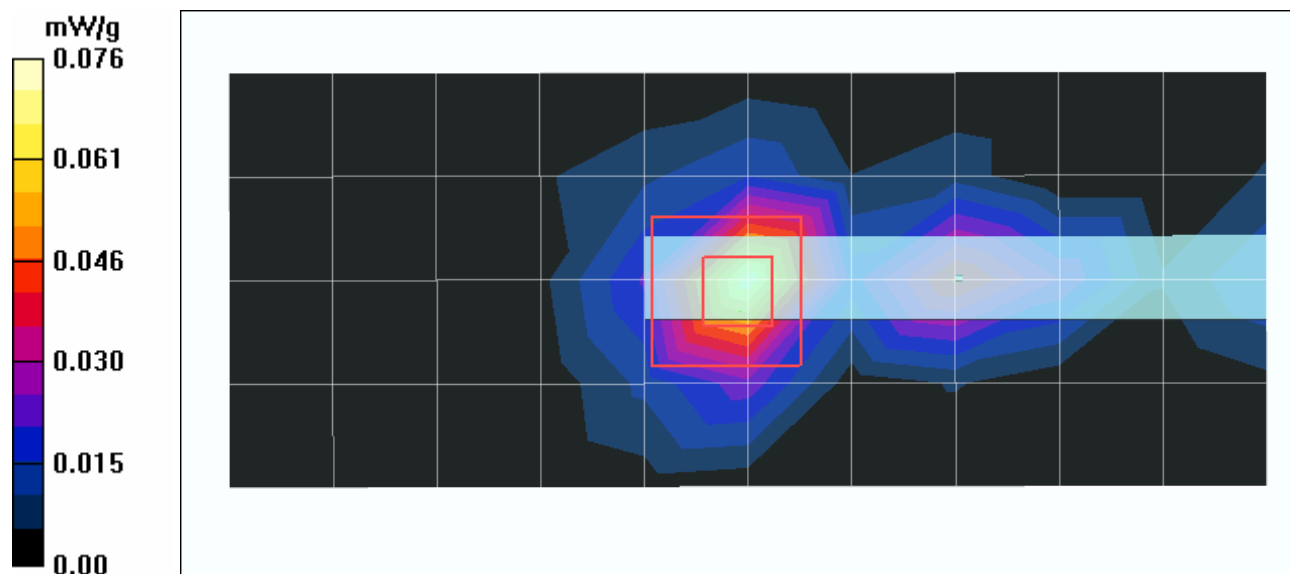
Mid Channel 5785/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.54 V/m

Peak SAR (extrapolated) = 0.245 W/kg

SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.023 mW/g

Maximum value of SAR (measured) = 0.076 mW/g



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Test Laboratory: Advance Data Technology

DCUA-81Vertical 11a-Normal C600 Mode 9

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5825 MHz

Communication System: 802.11a ; Frequency: 5825 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5825$ MHz; $\sigma = 6.28$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

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

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 5825/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.086 mW/g

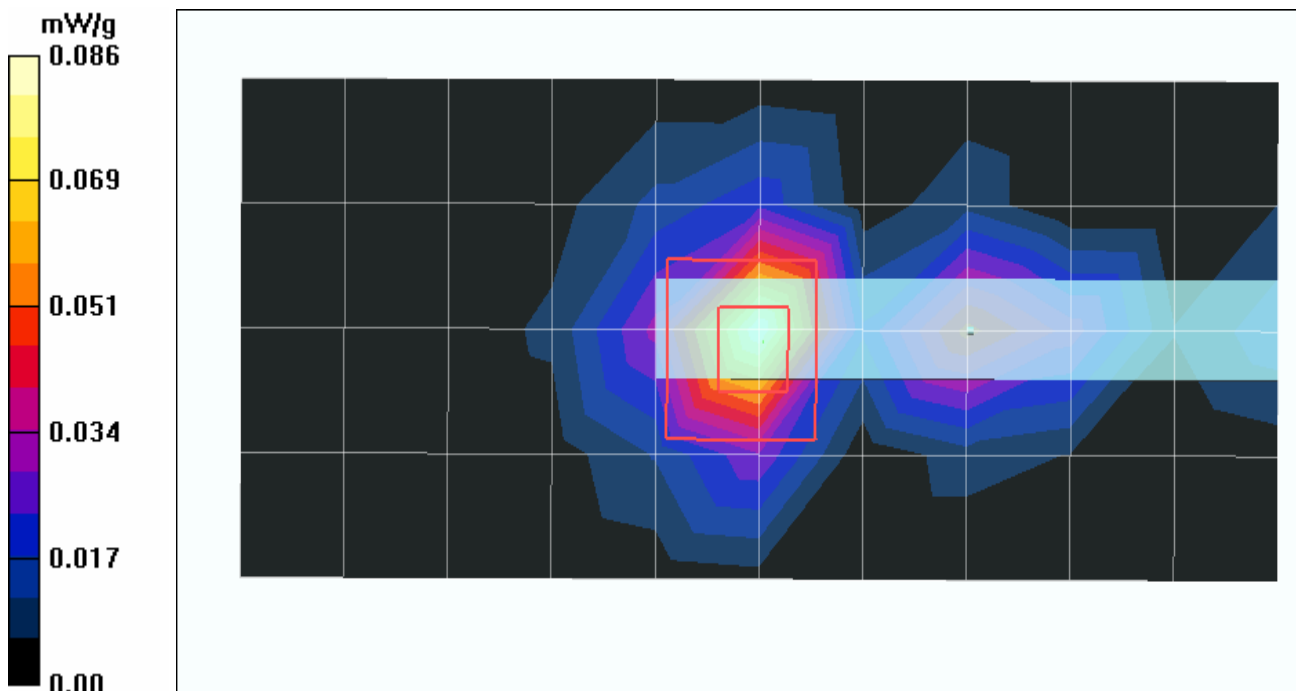
High Channel 5825/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

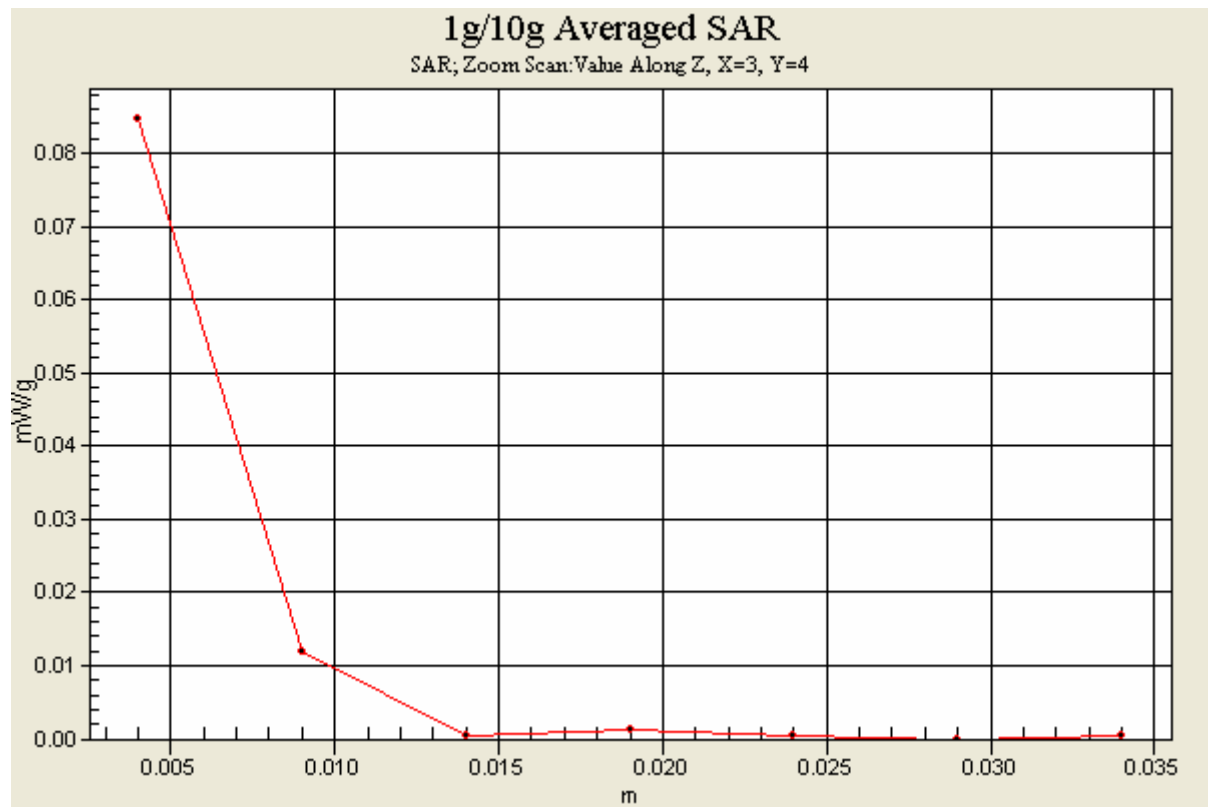
Reference Value = 2.86 V/m

Peak SAR (extrapolated) = 0.263 W/kg

SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.026 mW/g

Maximum value of SAR (measured) = 0.085 mW/g





Date/Time: 2005/6/24 21:41:17

Test Laboratory: Advance Data Technology

DCUA-81 Vertical 11a-Turbo C600 Mode 10

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5210 MHz

Communication System: 802.11a ; Frequency: 5210 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5210 \text{ MHz}$; $\sigma = 5.33 \text{ mho/m}$; $\epsilon_r = 48$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 150mm

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

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 5210/Area Scan (5x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Low Channel 5210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$; Reference Value = 1.08 V/m

Peak SAR (extrapolated) = 0.155 W/kg

SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.00733 mW/g

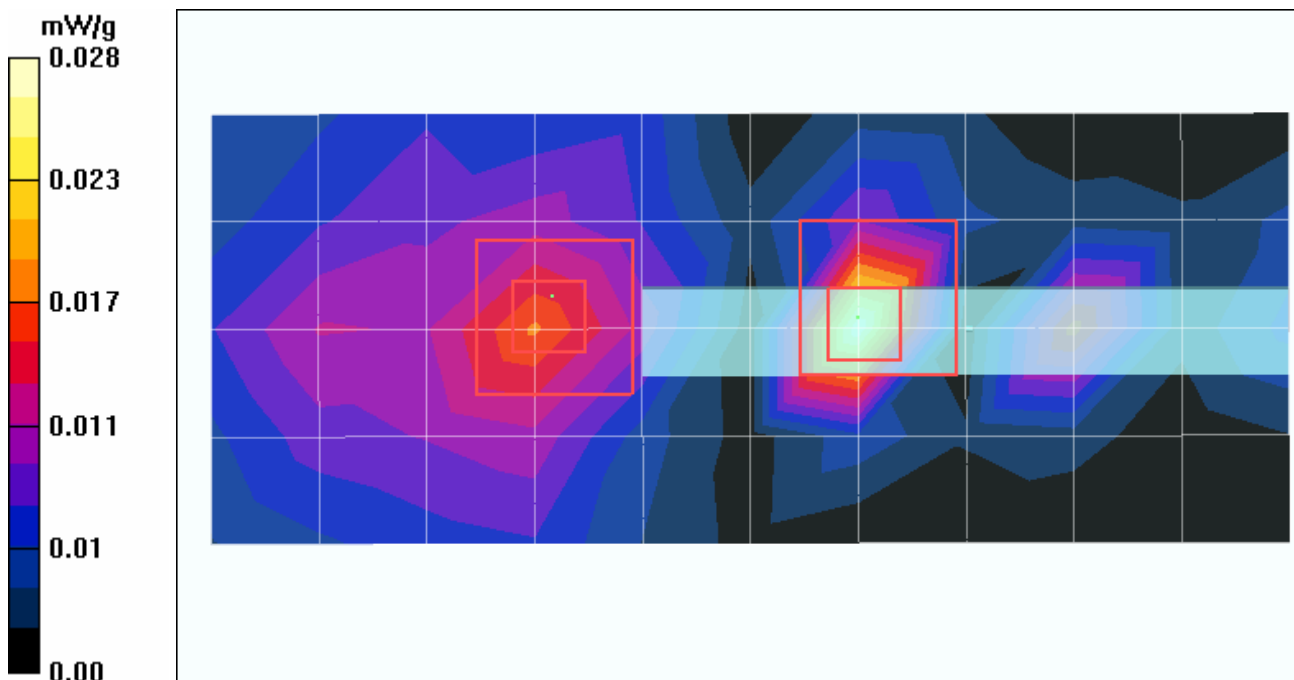
Maximum value of SAR (measured) = 0.027 mW/g

Low Channel 5210/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$; Reference Value = 1.08 V/m

Peak SAR (extrapolated) = 0.107 W/kg

SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.00897 mW/g

Maximum value of SAR (measured) = 0.017 mW/g



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Test Laboratory: Advance Data Technology

DCUA-81 Vertical 11a-Turbo C600 Mode 10

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5250 MHz

Communication System: 802.11a ; Frequency: 5250 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5250$ MHz; $\sigma = 5.39$ mho/m; $\epsilon_r = 48$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

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

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5250/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.094 mW/g

Mid Channel 5250/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.67 V/m

Peak SAR (extrapolated) = 0.163 W/kg

SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.00888 mW/g

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

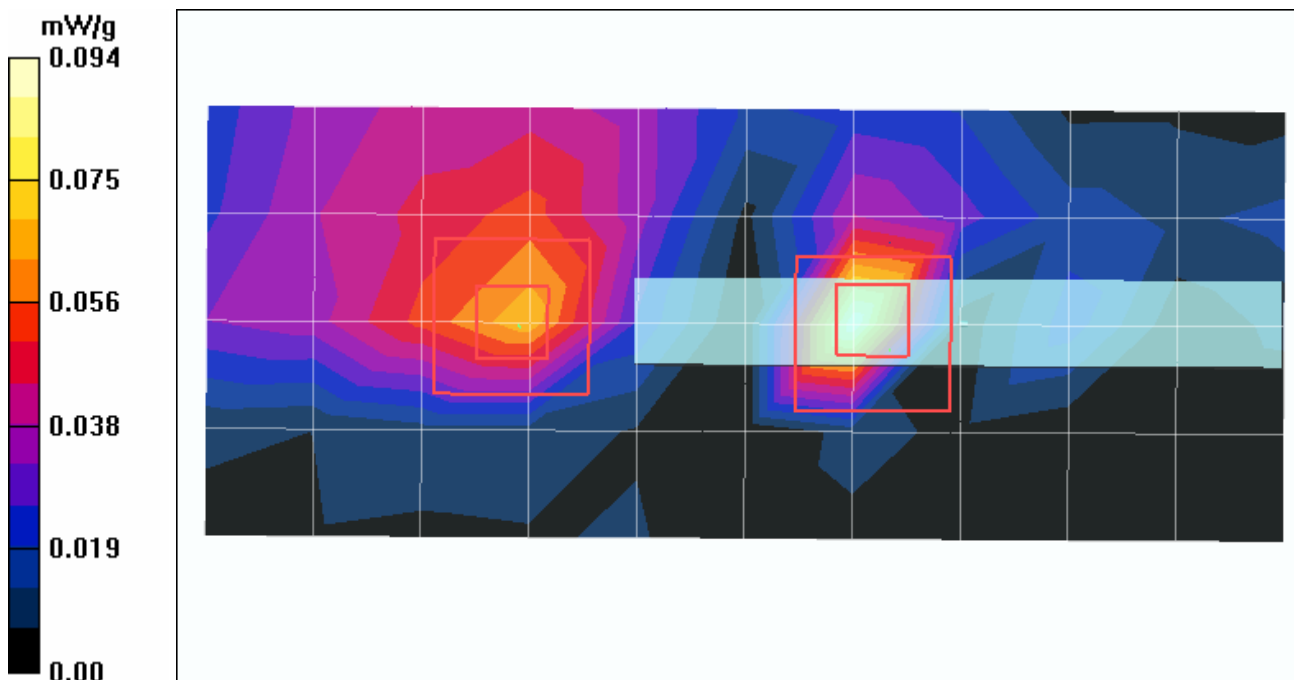
Mid Channel 5250/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.67 V/m

Peak SAR (extrapolated) = 0.123 W/kg

SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.010 mW/g

Maximum value of SAR (measured) = 0.021 mW/g



Date/Time: 2005/6/24 23:03:32

Test Laboratory: Advance Data Technology

DCUA-81 Vertical 11a-Turbo C600 Mode 10

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5290 MHz

Communication System: 802.11a ; Frequency: 5290 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5290$ MHz; $\sigma = 5.44$ mho/m; $\epsilon_r = 47.9$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

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

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5290/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.022 mW/g

Mid Channel 5290/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.415 V/m

Peak SAR (extrapolated) = 0.097 W/kg

SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.00831 mW/g

Maximum value of SAR (measured) = 0.017 mW/g

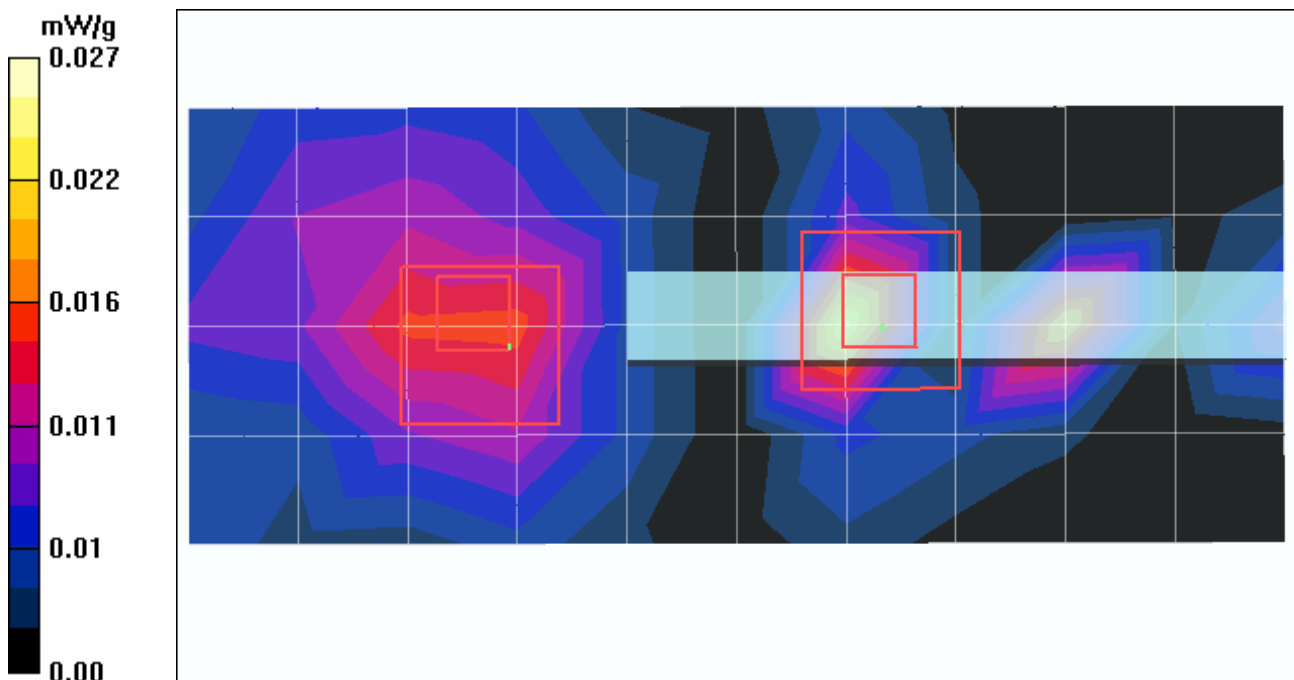
Mid Channel 5290/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.415 V/m

Peak SAR (extrapolated) = 0.161 W/kg

SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.00741 mW/g

Maximum value of SAR (measured) = 0.027 mW/g



Date/Time: 2005/6/24 23:20:02

Test Laboratory: Advance Data Technology

DCUA-81Vertical 11a-Turbo C600 Mode 10

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5760 MHz

Communication System: 802.11a ; Frequency: 5760 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
 Medium: MSL5800 Medium parameters used: $\sigma = 6.18$ mho/m, $\epsilon_r = 46.9$; $\rho = 1000$ kg/m³ Medium
 parameters used: $f = 5760$ MHz; $\sigma = 6.18$ mho/m; $\epsilon_r = 46.9$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm
 Phantom section: Flat Section ; Separation distance : 0 mm (The right side of the EUT to the Phantom)
 Antenna type : Internal Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5760/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of Total (measured) = 2.98 V/m

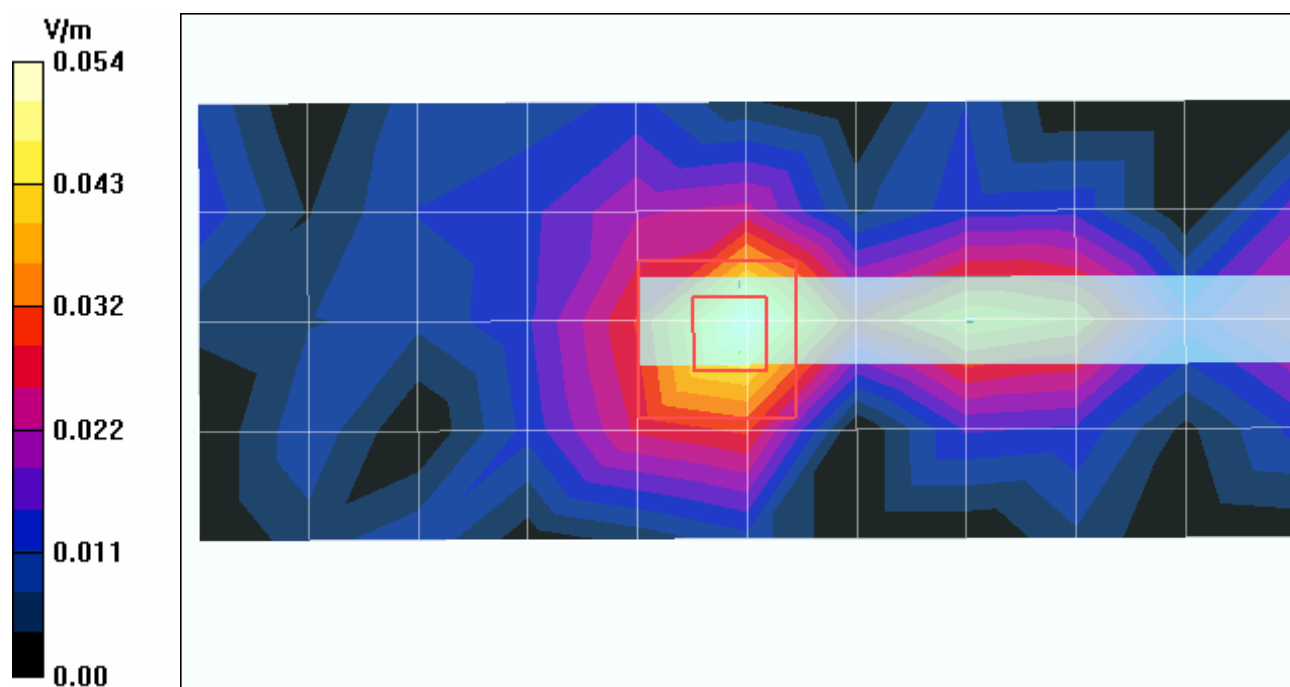
Mid Channel 5760/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.02 V/m

Peak SAR (extrapolated) = 0.253 W/kg

SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.018 mW/g

Maximum value of SAR (measured) = 0.054 mW/g



Date/Time: 2005/6/24 23:38:17

Test Laboratory: Advance Data Technology

DCUA-81 Vertical 11a-Turbo C600 Mode 10

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-81 ; Test Frequency: 5800 MHz

Communication System: 802.11a ; Frequency: 5800 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5800$ MHz; $\sigma = 6.24$ mho/m; $\epsilon_r = 46.9$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

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

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 5800/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.060 mW/g

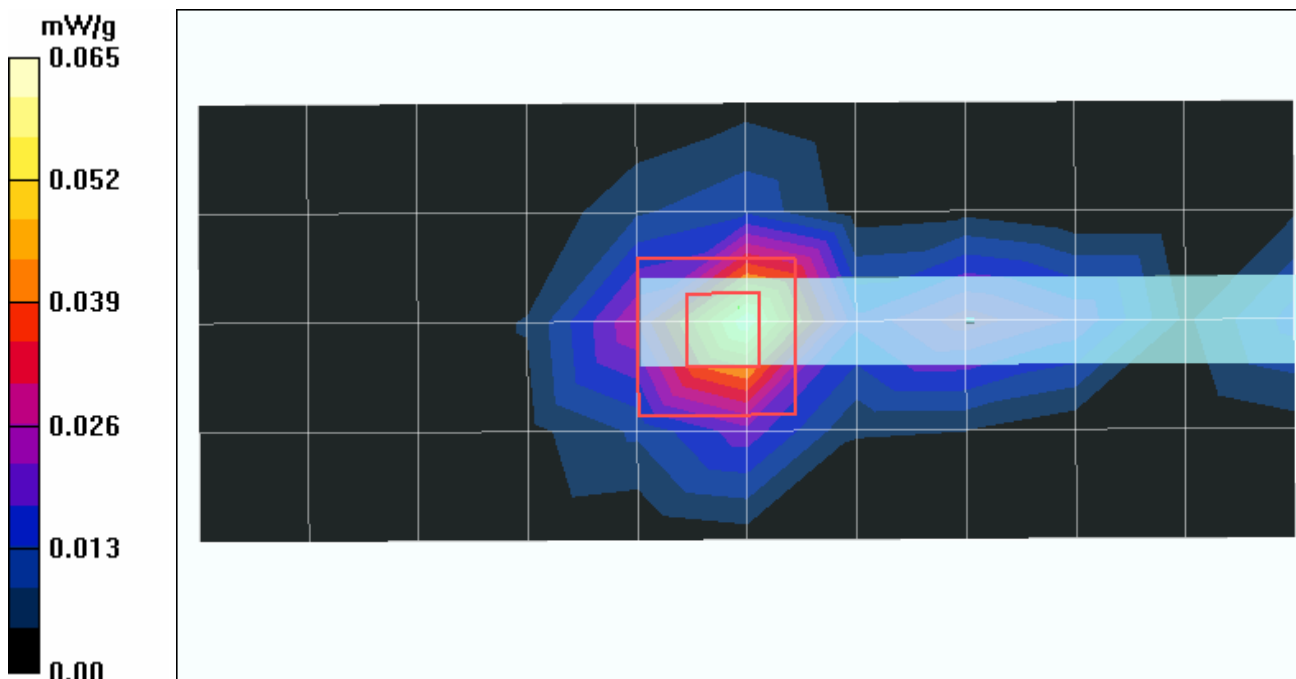
High Channel 5800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

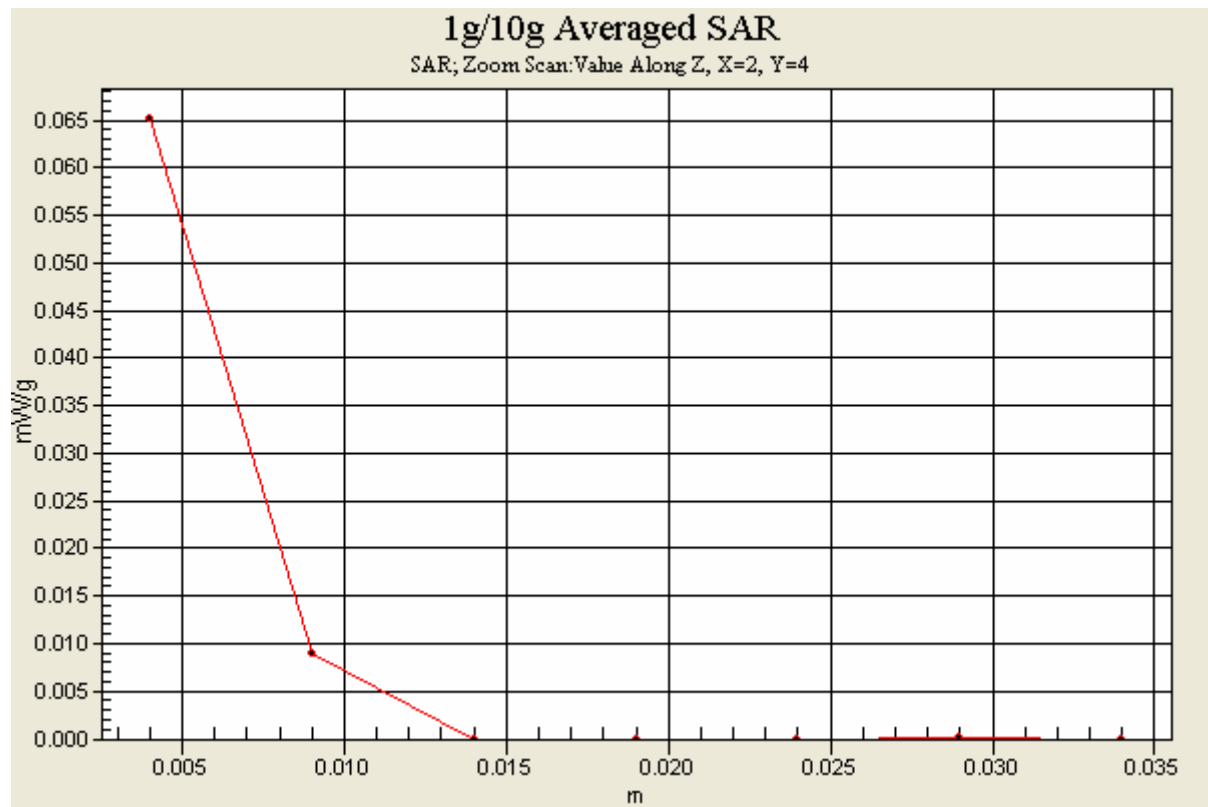
Reference Value = 2.00 V/m

Peak SAR (extrapolated) = 0.274 W/kg

SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.021 mW/g

Maximum value of SAR (measured) = 0.065 mW/g





Date/Time: 2005/6/23 13:47:11

Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11b N800C Mode 11

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2412 MHz

Communication System: 802.11b ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³ ; Liquid level : 152mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 1/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.664 mW/g

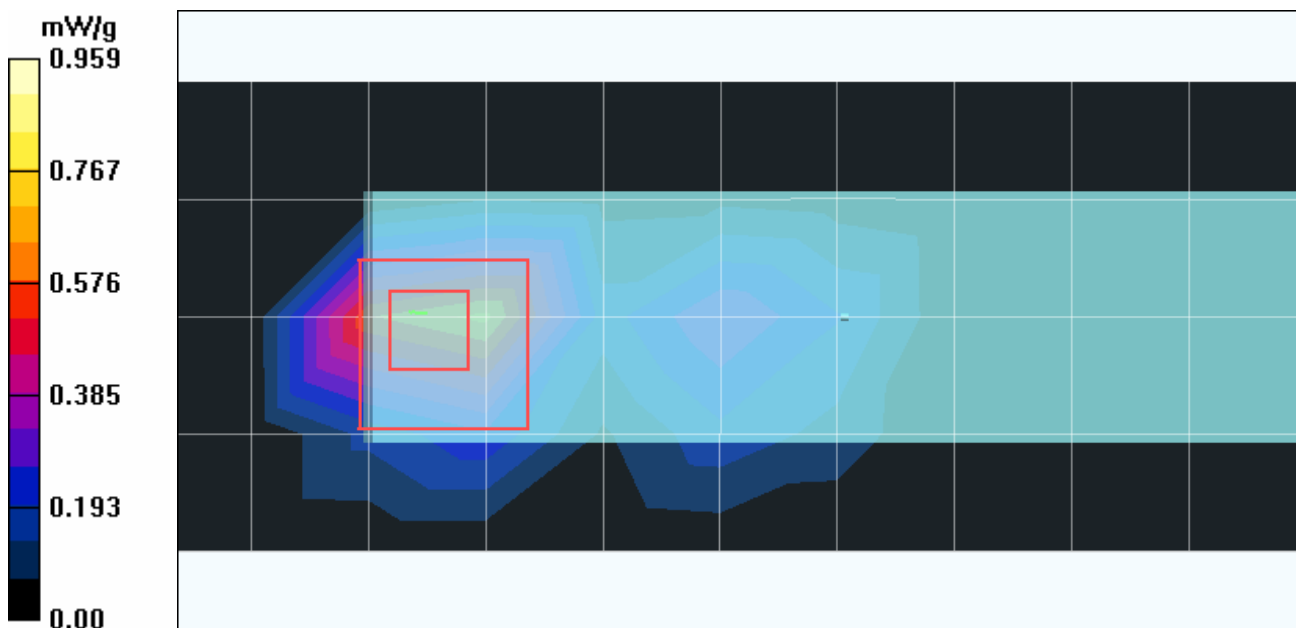
Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.2 V/m

Peak SAR (extrapolated) = 2.79 W/kg

SAR(1 g) = 0.817 mW/g; SAR(10 g) = 0.309 mW/g

Maximum value of SAR (measured) = 0.959 mW/g



Date/Time: 2005/6/23 14:06:15

Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11b N800C Mode 11

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³ ; Liquid level : 152mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.802 mW/g

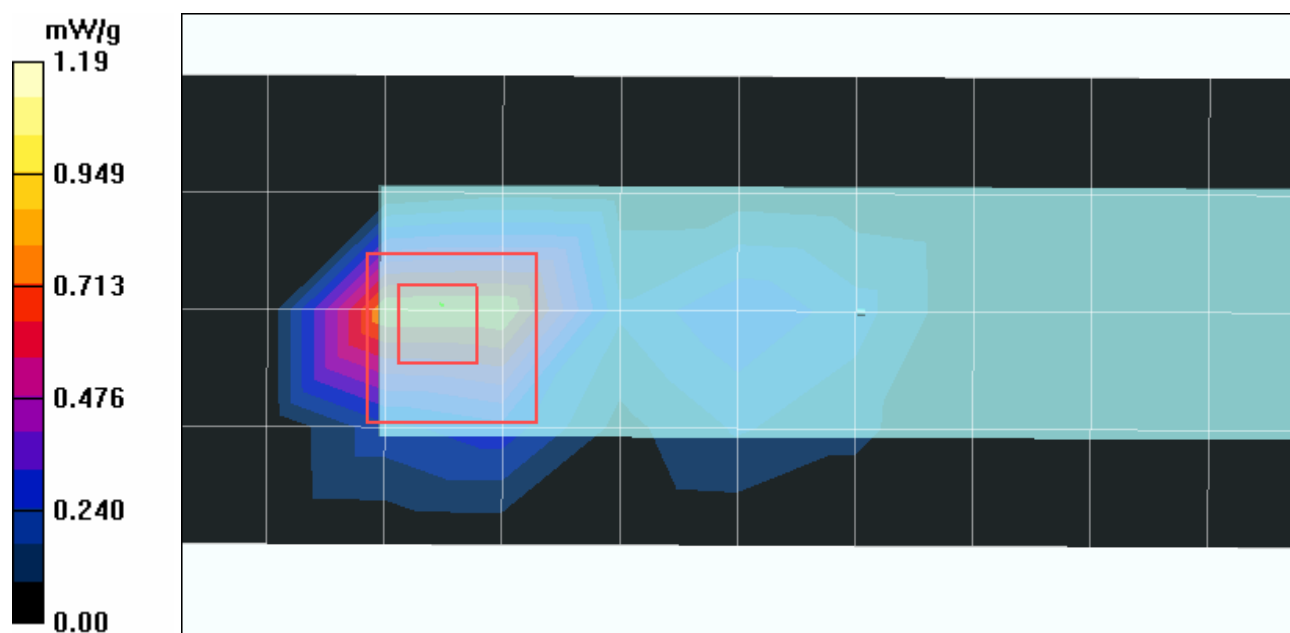
Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

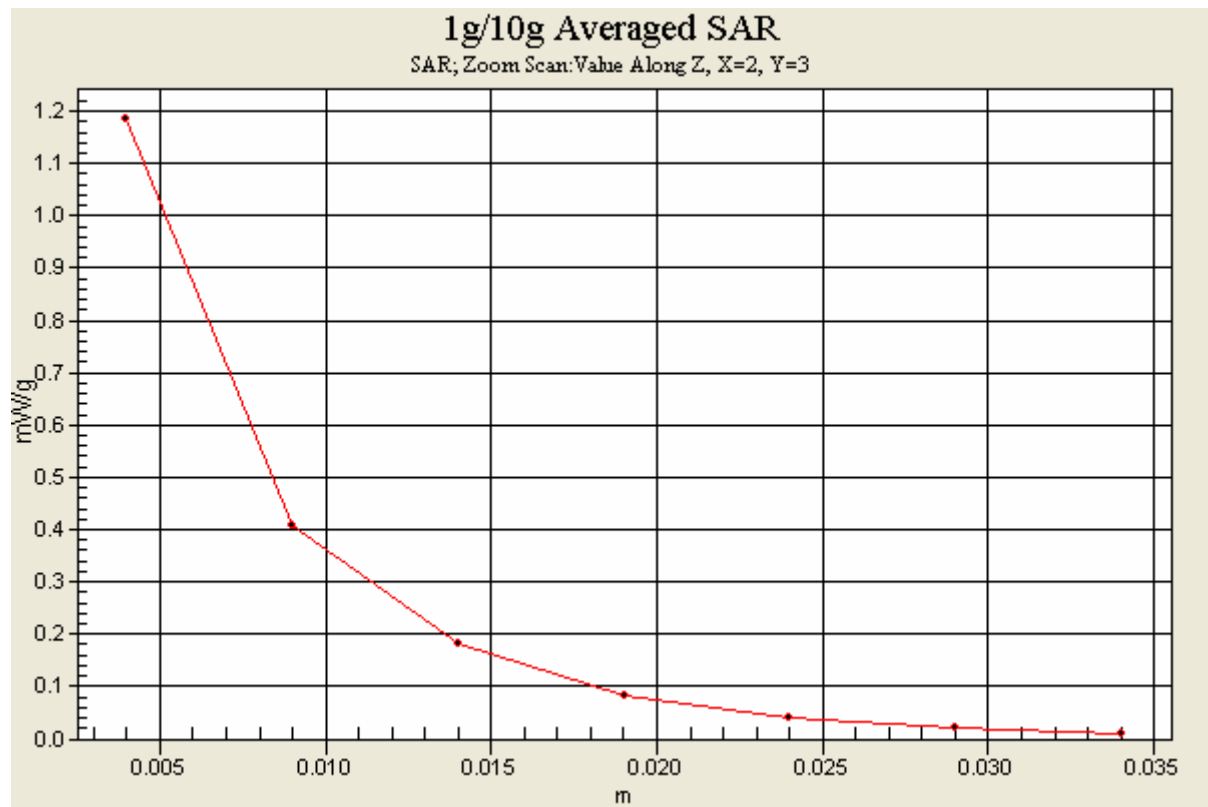
Reference Value = 11.0 V/m

Peak SAR (extrapolated) = 3.78 W/kg

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.377 mW/g

Maximum value of SAR (measured) = 1.19 mW/g





Date/Time: 2005/6/23 14:24:29

Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11b N800C Mode 11

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2462 MHz

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.03 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 152mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 11/Area Scan (5x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.698 mW/g

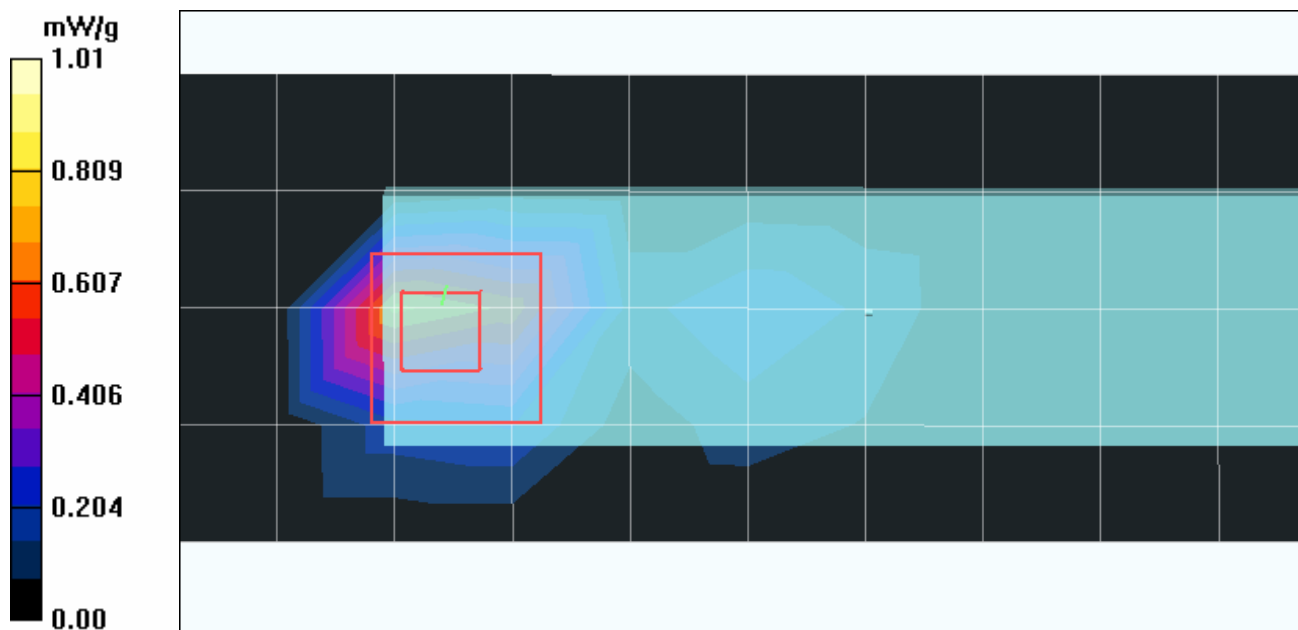
High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.39 V/m

Peak SAR (extrapolated) = 3.22 W/kg

SAR(1 g) = 0.863 mW/g; SAR(10 g) = 0.302 mW/g

Maximum value of SAR (measured) = 1.01 mW/g



Date/Time: 2005/6/23 15:19:11

Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11g N800C Mode 12

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; 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; $\epsilon_r = 54$; $\rho = 1000$ kg/m³ ; Liquid level : 152mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 1/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

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

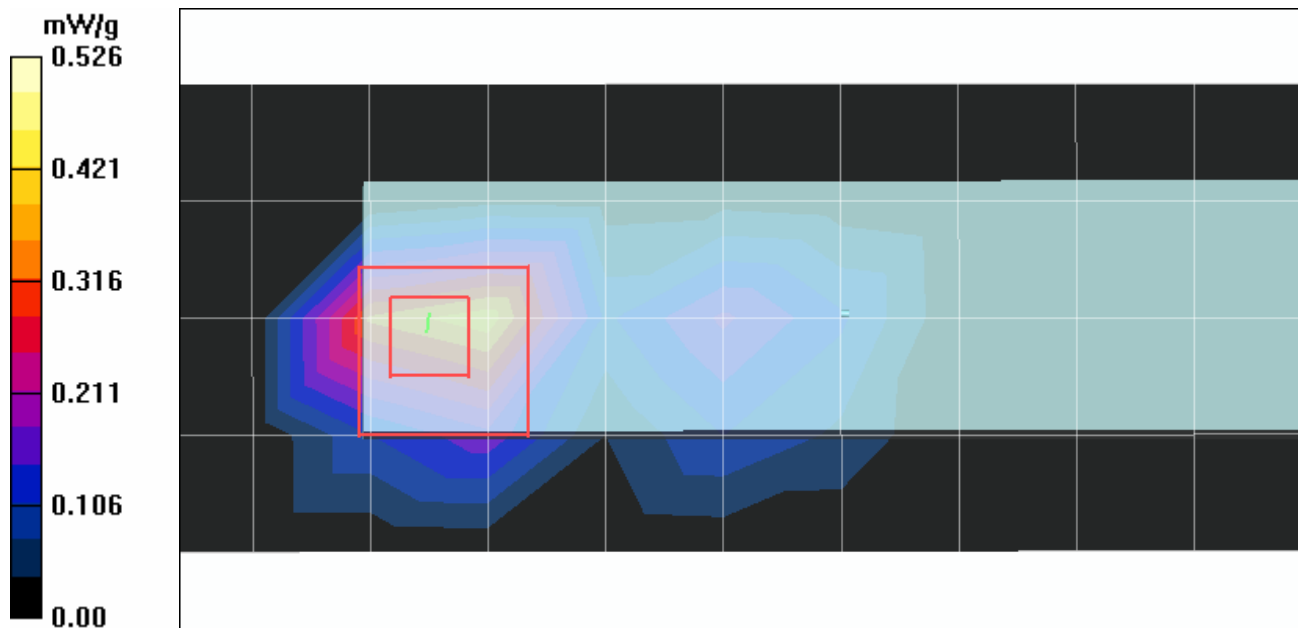
Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.10 V/m

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.175 mW/g

Maximum value of SAR (measured) = 0.526 mW/g



Date/Time: 2005/6/23 15:37:10

Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11g N800C Mode 12

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³ ; Liquid level : 152mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

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

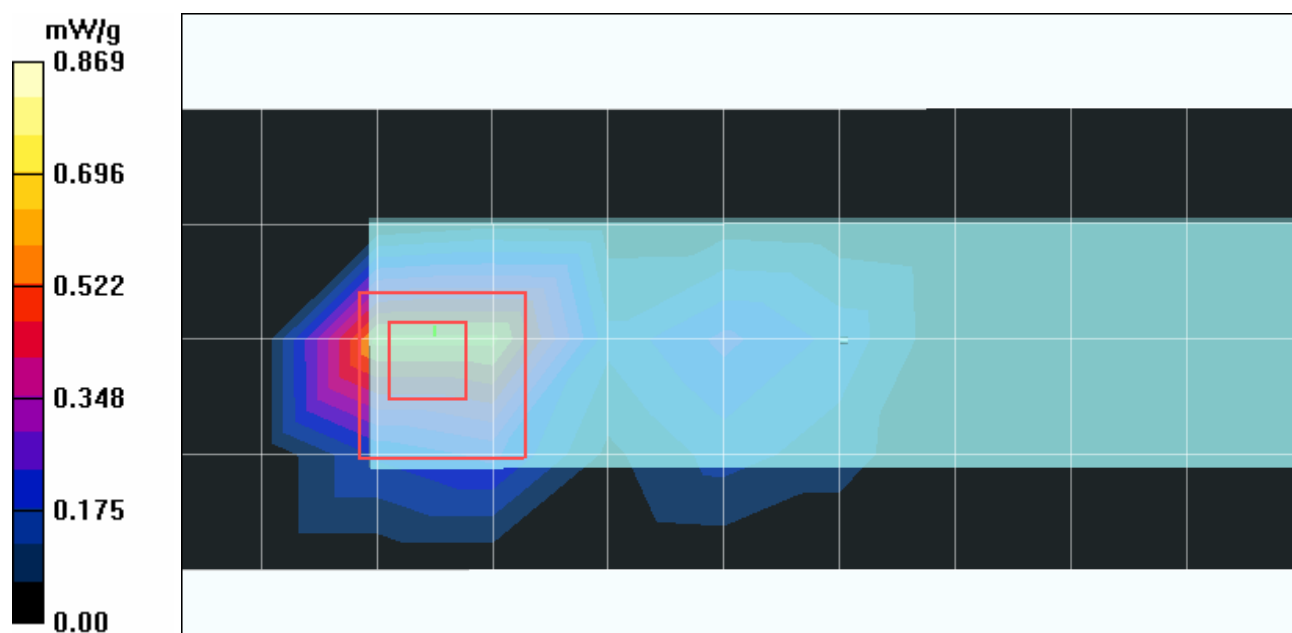
Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

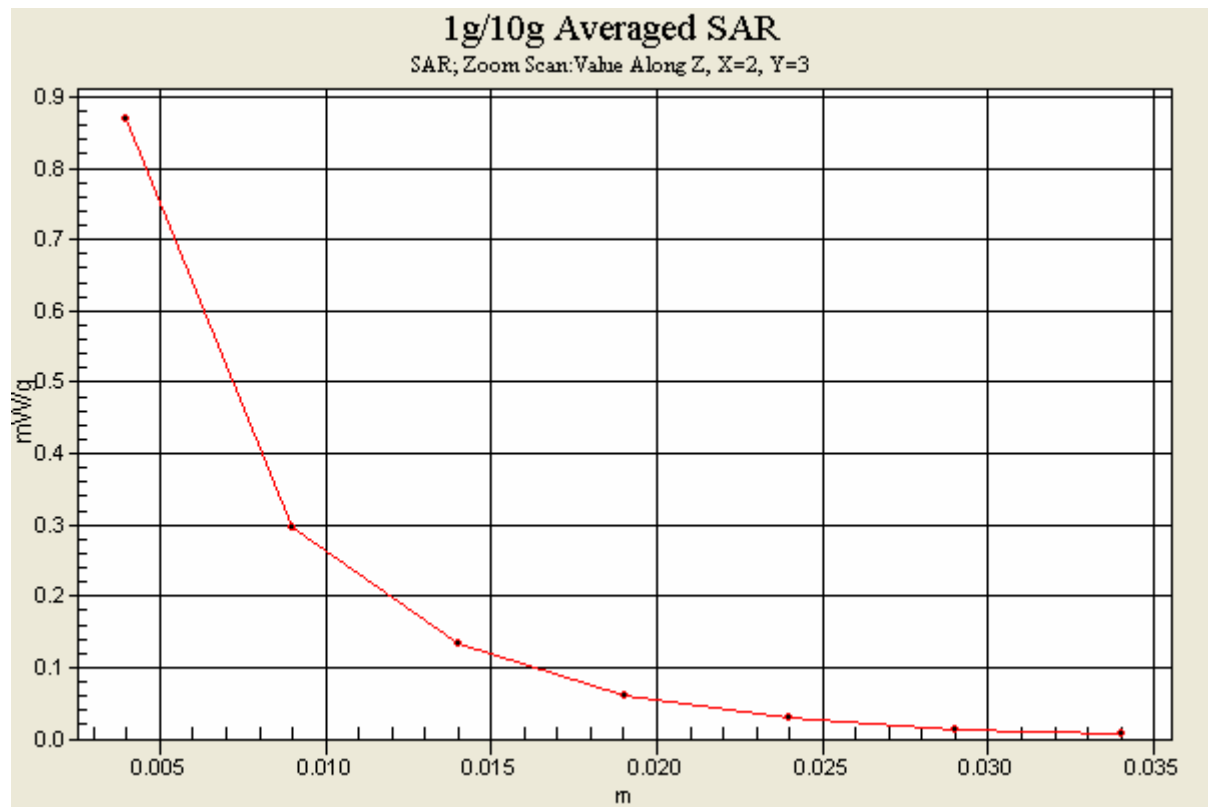
Reference Value = 9.58 V/m

Peak SAR (extrapolated) = 3.01 W/kg

SAR(1 g) = 0.801 mW/g; SAR(10 g) = 0.287 mW/g

Maximum value of SAR (measured) = 0.869 mW/g





Date/Time: 2005/6/23 15:54:41

Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11g N800C Mode 12

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2462 MHz

Communication System: 802.11g ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.03 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 152mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 11/Area Scan (5x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.334 mW/g

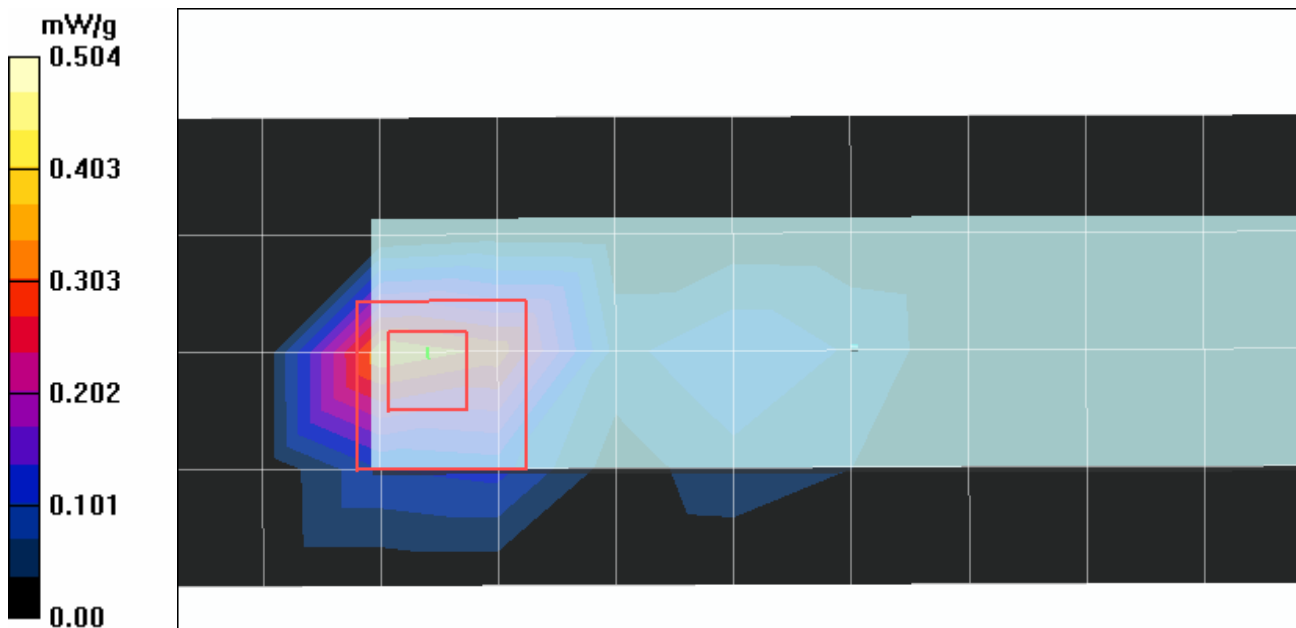
High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.96 V/m

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.154 mW/g

Maximum value of SAR (measured) = 0.504 mW/g



Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11g-Turbo N800C Mode 13

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.99 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 152mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.471 mW/g

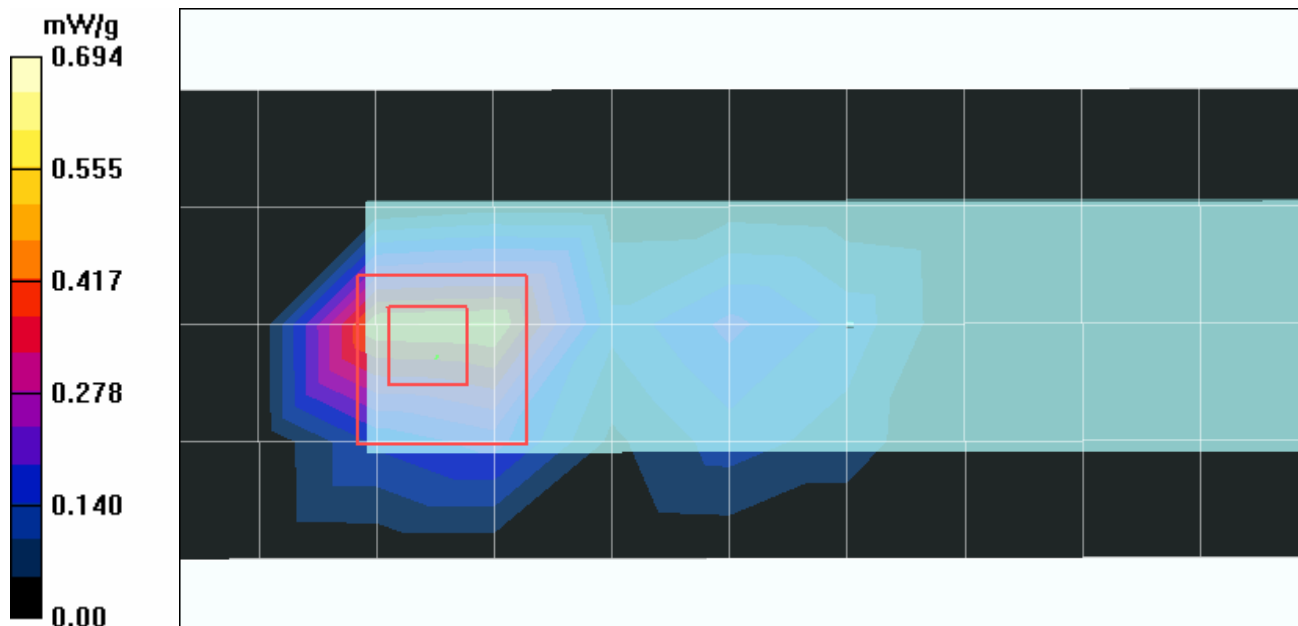
Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.15 V/m

Peak SAR (extrapolated) = 2.26 W/kg

SAR(1 g) = 0.636 mW/g; SAR(10 g) = 0.230 mW/g

Maximum value of SAR (measured) = 0.694 mW/g



Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11b N800C Mode 14

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.99 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 152mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.104 mW/g

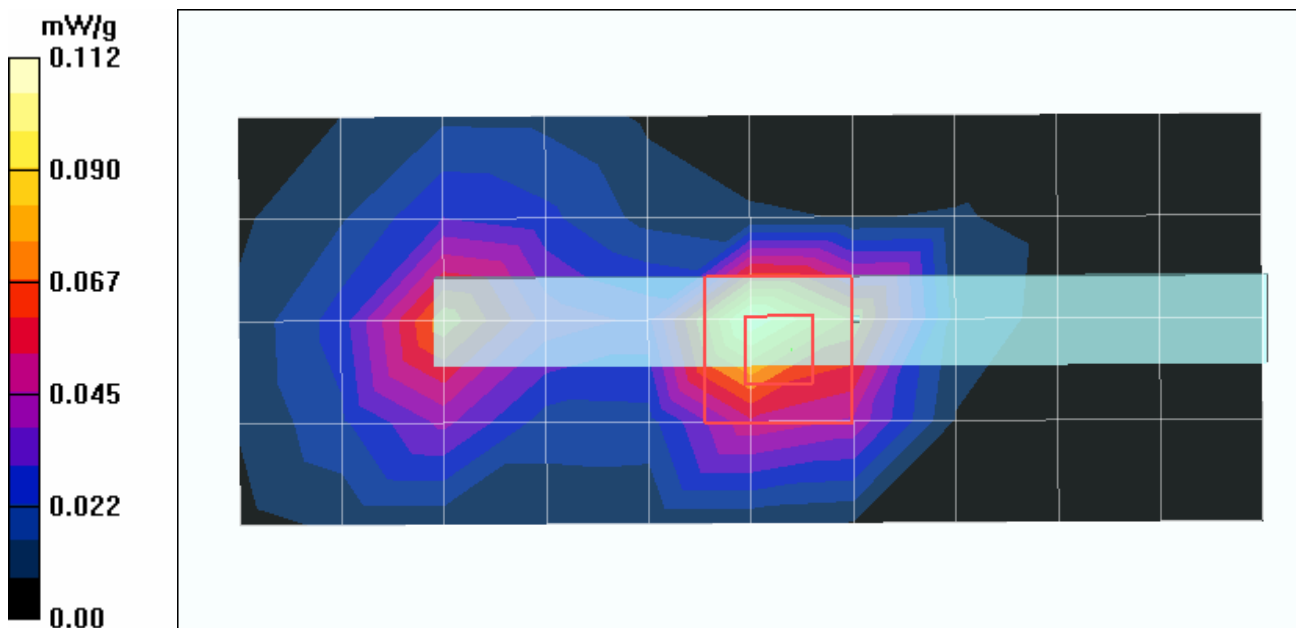
Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.71 V/m

Peak SAR (extrapolated) = 0.226 W/kg

SAR(1 g) = 0.101 mW/g; SAR(10 g) = 0.046 mW/g

Maximum value of SAR (measured) = 0.112 mW/g



Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11g N800C Mode 15

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³ ; Liquid level : 152mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.072 mW/g

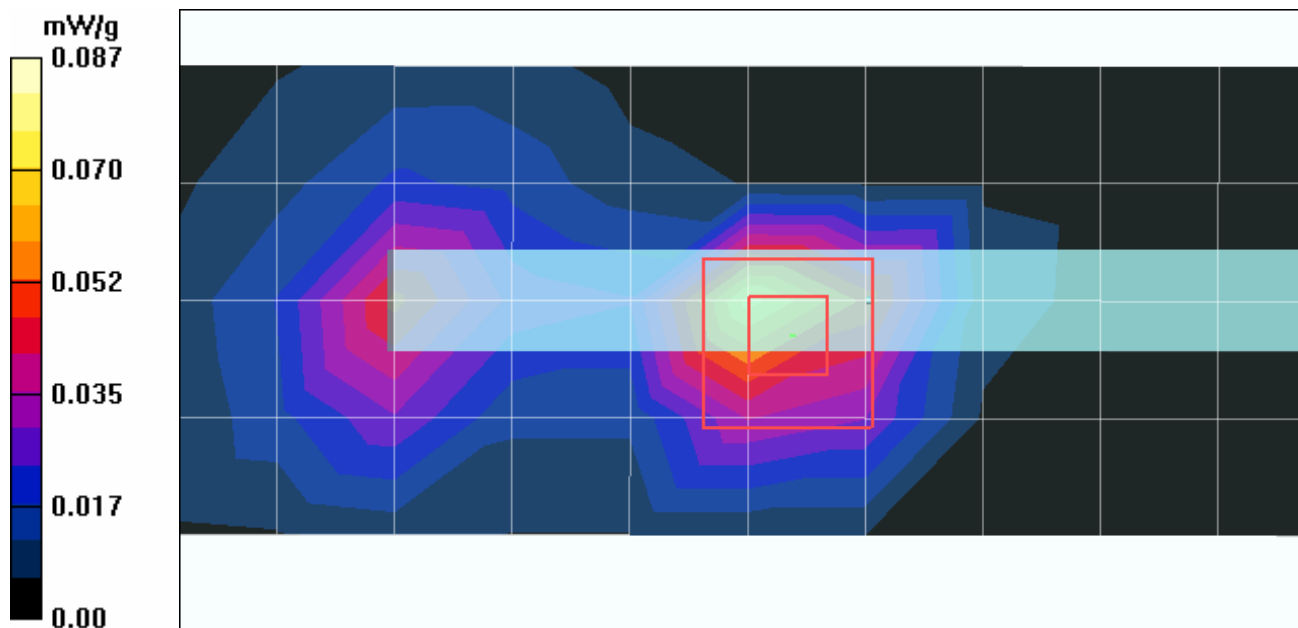
Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.39 V/m

Peak SAR (extrapolated) = 0.183 W/kg

SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.035 mW/g

Maximum value of SAR (measured) = 0.087 mW/g



Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11b N800C Mode 16

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.99 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 152mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.481 mW/g

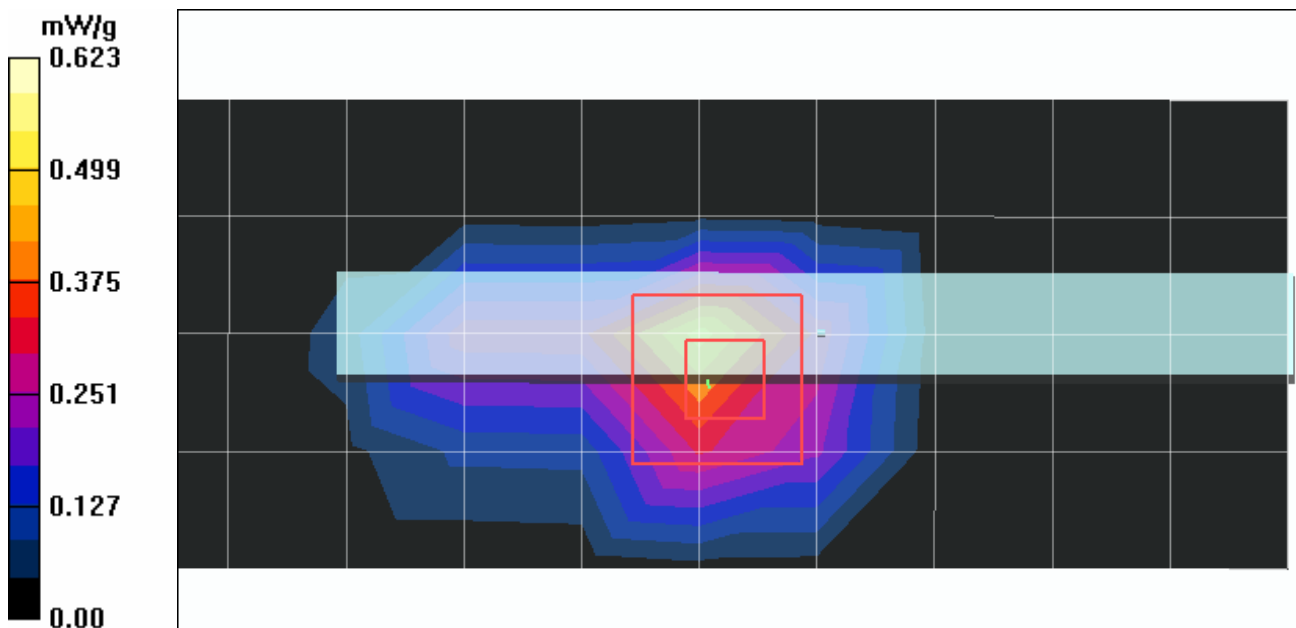
Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.0 V/m

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.564 mW/g; SAR(10 g) = 0.257 mW/g

Maximum value of SAR (measured) = 0.623 mW/g



Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11g N800C Mode 17

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³ ; Liquid level : 152mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.365 mW/g

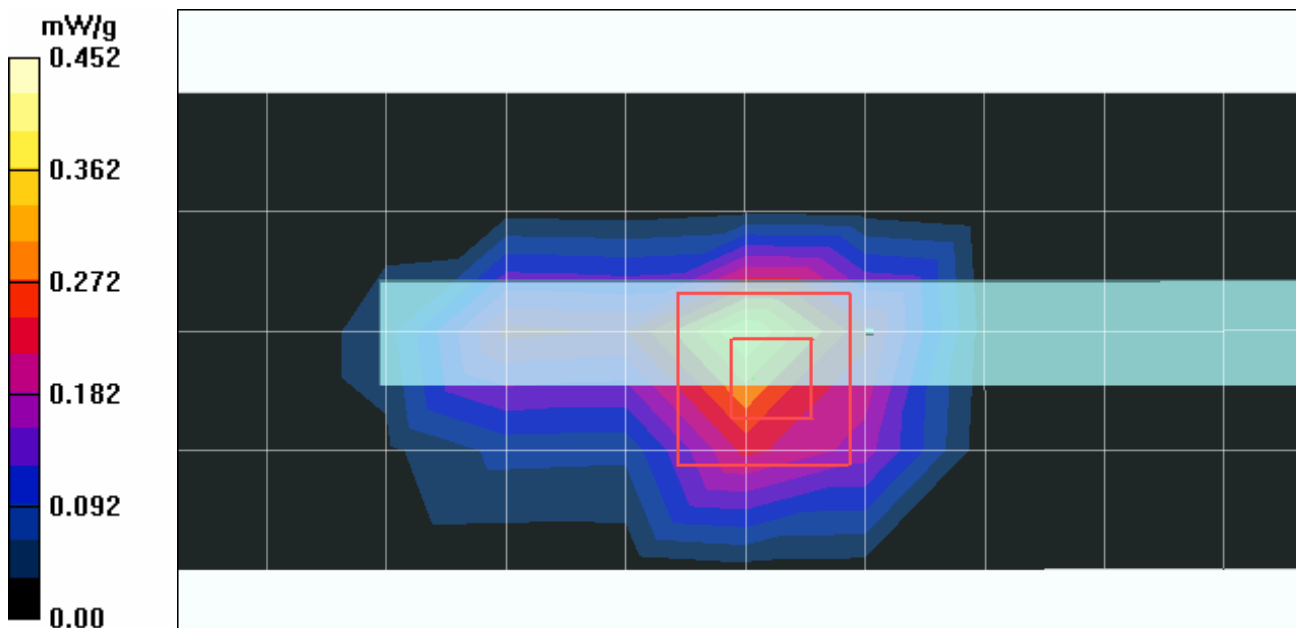
Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.3 V/m

Peak SAR (extrapolated) = 0.908 W/kg

SAR(1 g) = 0.409 mW/g; SAR(10 g) = 0.185 mW/g

Maximum value of SAR (measured) = 0.452 mW/g



Test Laboratory: Advance Data Technology

DCUA-82 Vertical 11b C600 Mode 18

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.99 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 152mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.576 mW/g

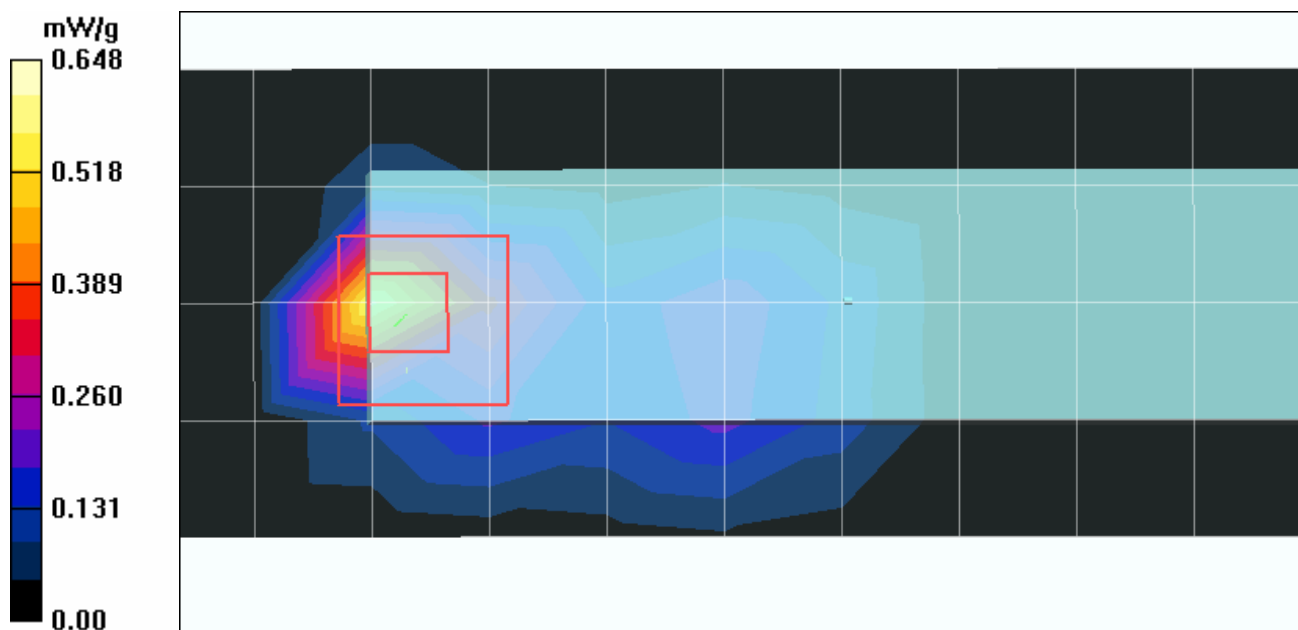
Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.04 V/m

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.558 mW/g; SAR(10 g) = 0.213 mW/g

Maximum value of SAR (measured) = 0.648 mW/g



Test Laboratory: Advance Data Technology

DCUA-82 Vertical 11g C600 Mode 19

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³ ; Liquid level : 152mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 6/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.373 mW/g

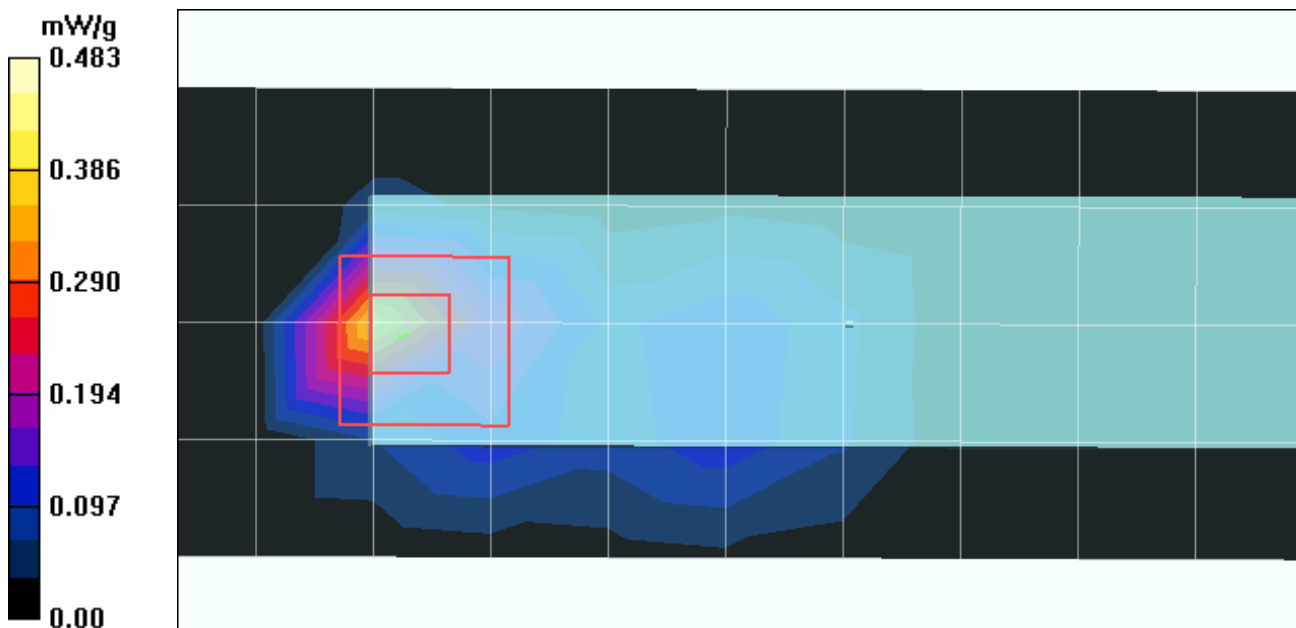
Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.64 V/m

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.153 mW/g

Maximum value of SAR (measured) = 0.483 mW/g



Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11a-Normal N800C Mode 20

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5180 MHz

Communication System: 802.11a ; Frequency: 5180 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.28 \text{ mho/m}$; $\epsilon_r = 48.1$; $\rho = 1000$

kg/m^3 ; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 5180/Area Scan (5x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.607 mW/g

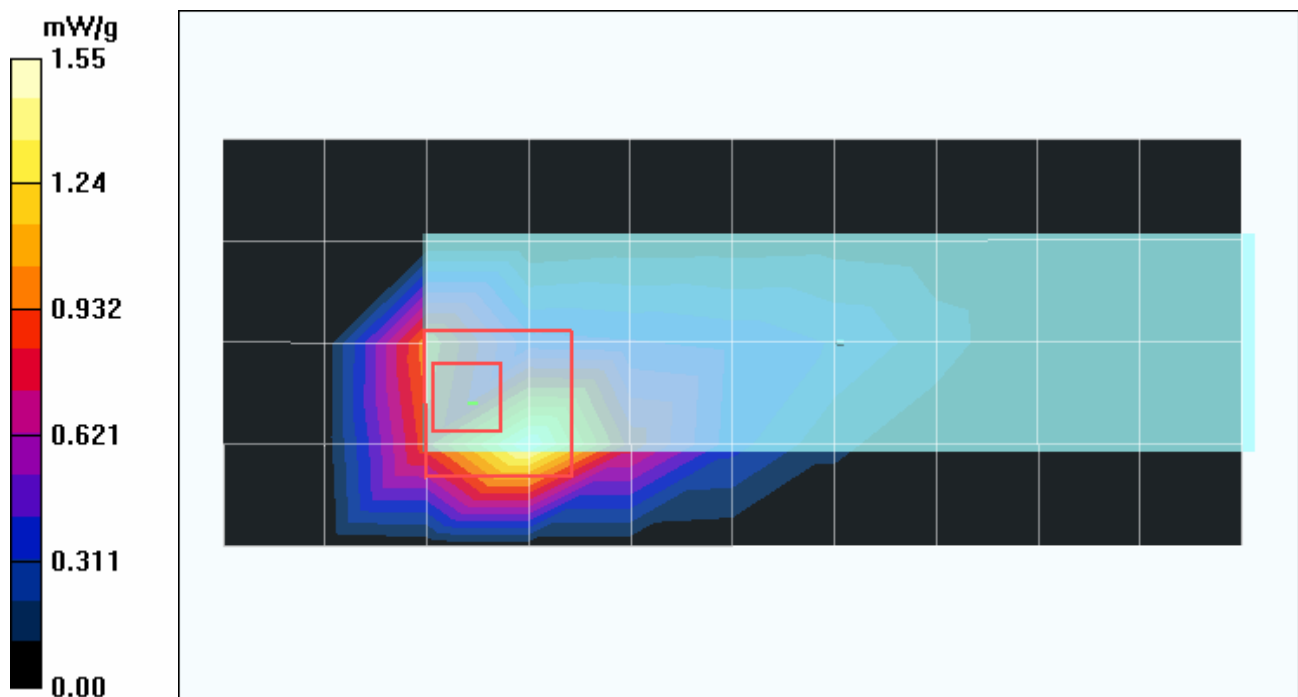
Low Channel 5180/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.09 V/m

Peak SAR (extrapolated) = 4.18 W/kg

SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.325 mW/g

Maximum value of SAR (measured) = 1.55 mW/g



Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11a-Normal N800C Mode 20

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5240 MHz

Communication System: 802.11a ; Frequency: 5240 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.38$ mho/m; $\epsilon_r = 48$; $\rho = 1000$

kg/m³ ; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5240/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.642 mW/g

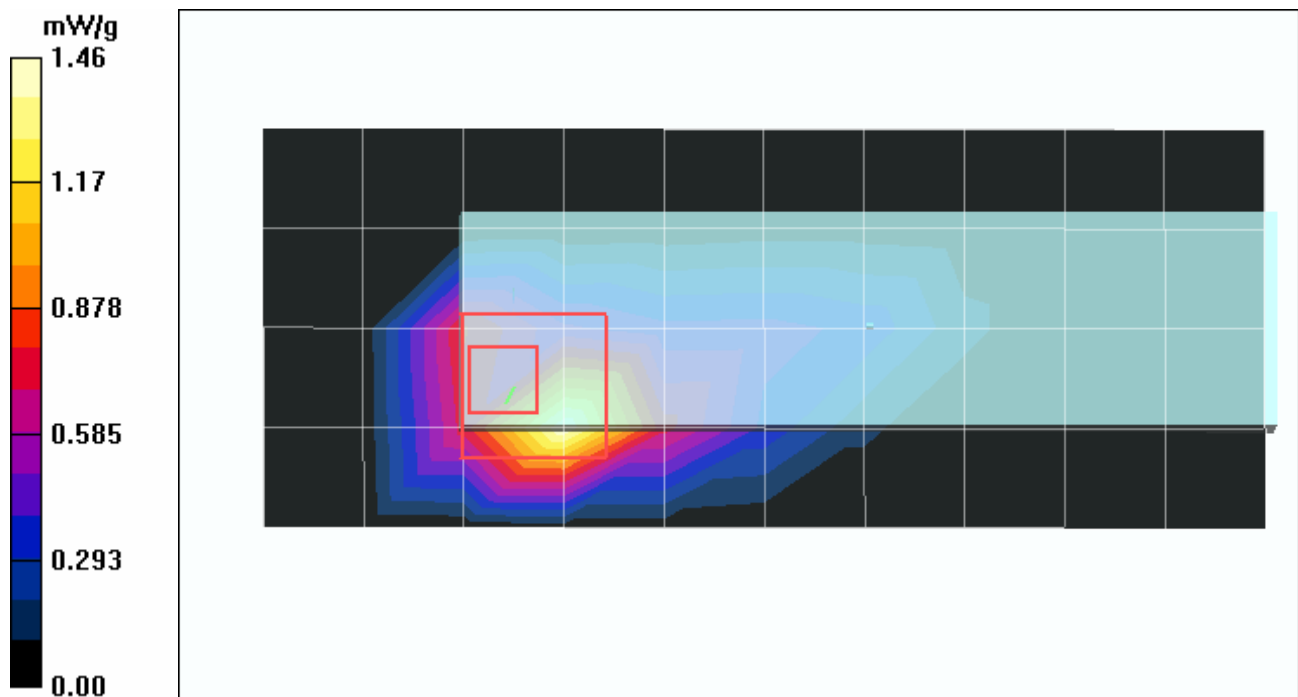
Mid Channel 5240/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.76 V/m

Peak SAR (extrapolated) = 3.85 W/kg

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.318 mW/g

Maximum value of SAR (measured) = 1.46 mW/g



Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11a-Normal N800C Mode 20

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5260 MHz

Communication System: 802.11a ; Frequency: 5260 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.4$ mho/m; $\epsilon_r = 48$; $\rho = 1000$

kg/m³ ; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5260/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.913 mW/g

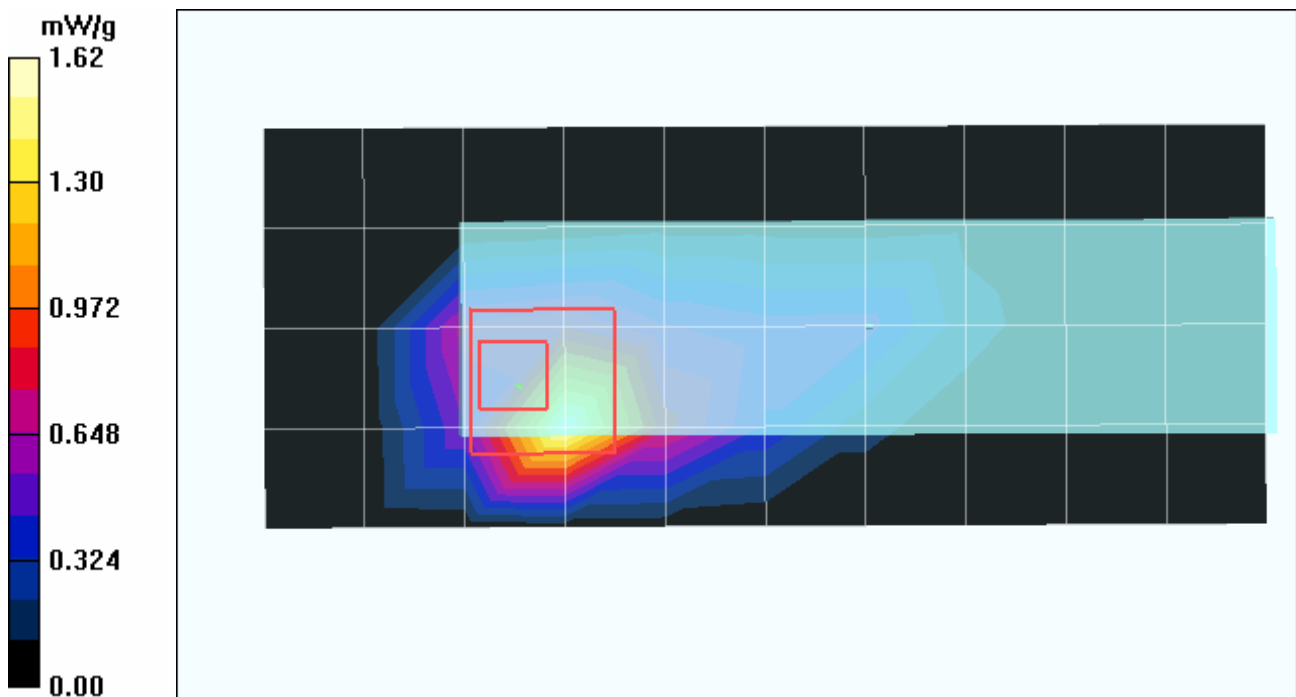
Mid Channel 5260/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.97 V/m

Peak SAR (extrapolated) = 4.66 W/kg

SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.431 mW/g

Maximum value of SAR (measured) = 1.62 mW/g



Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11a-Normal N800C Mode 20

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5320 MHz

Communication System: 802.11a ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5320$ MHz; $\sigma = 5.49$ mho/m; $\epsilon_r = 47.9$; $\rho = 1000$

kg/m³ ; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5320/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.896 mW/g

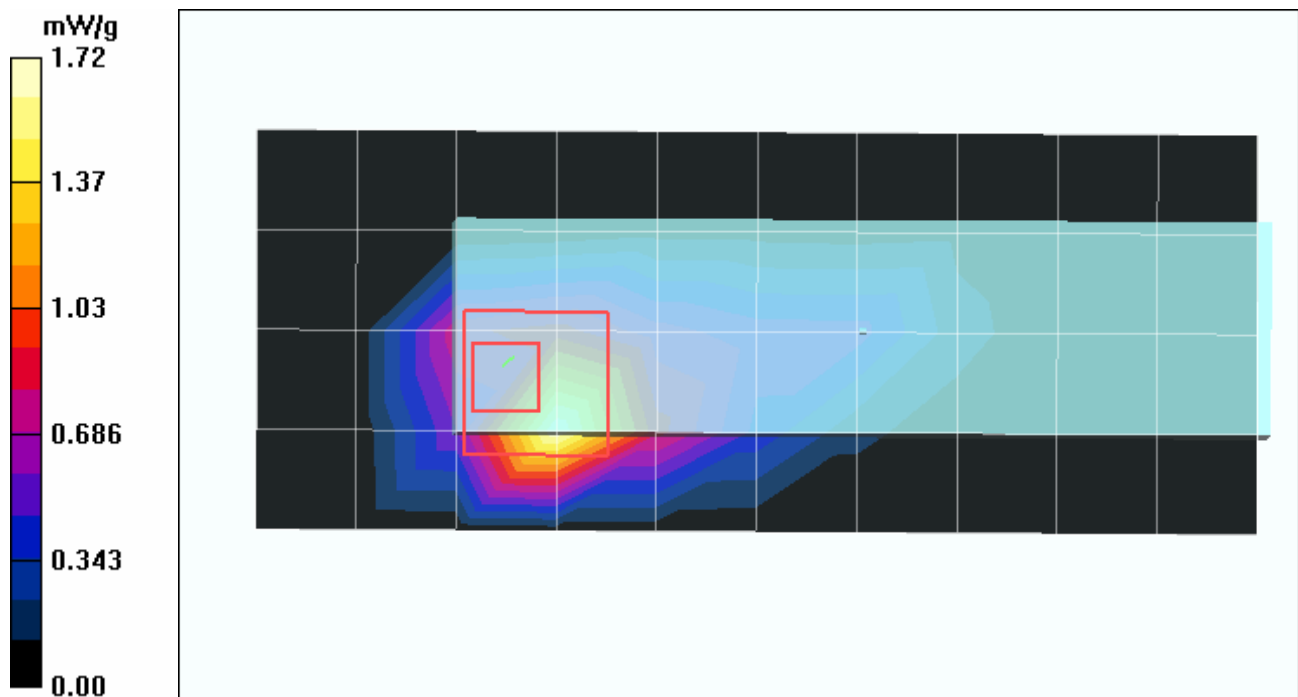
Mid Channel 5320/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

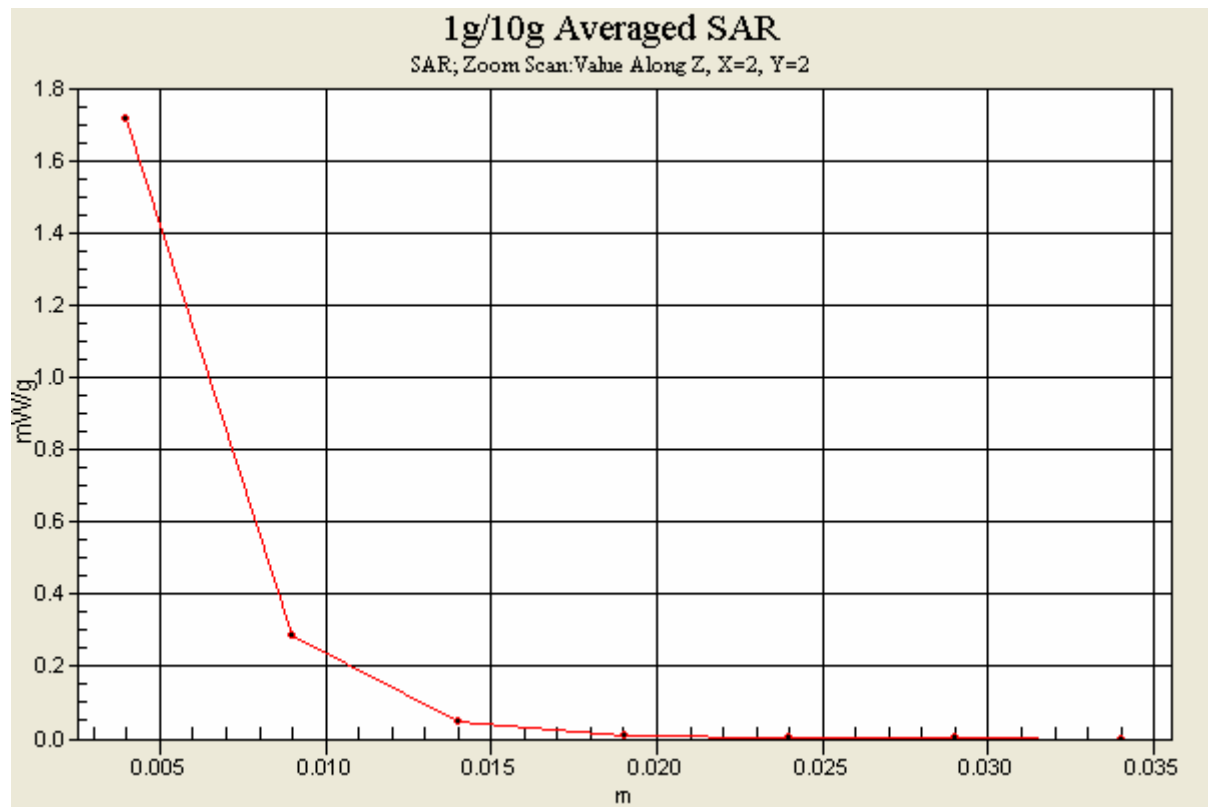
Reference Value = 7.34 V/m

Peak SAR (extrapolated) = 4.97 W/kg

SAR(1 g) = 1.51 mW/g; SAR(10 g) = 0.459 mW/g

Maximum value of SAR (measured) = 1.72 mW/g





Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11a-Normal N800C Mode 20

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5745 MHz

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 6.16 \text{ mho/m}$; $\epsilon_r = 47$; $\rho = 1000$

kg/m^3 ; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5745/Area Scan (5x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.761 mW/g

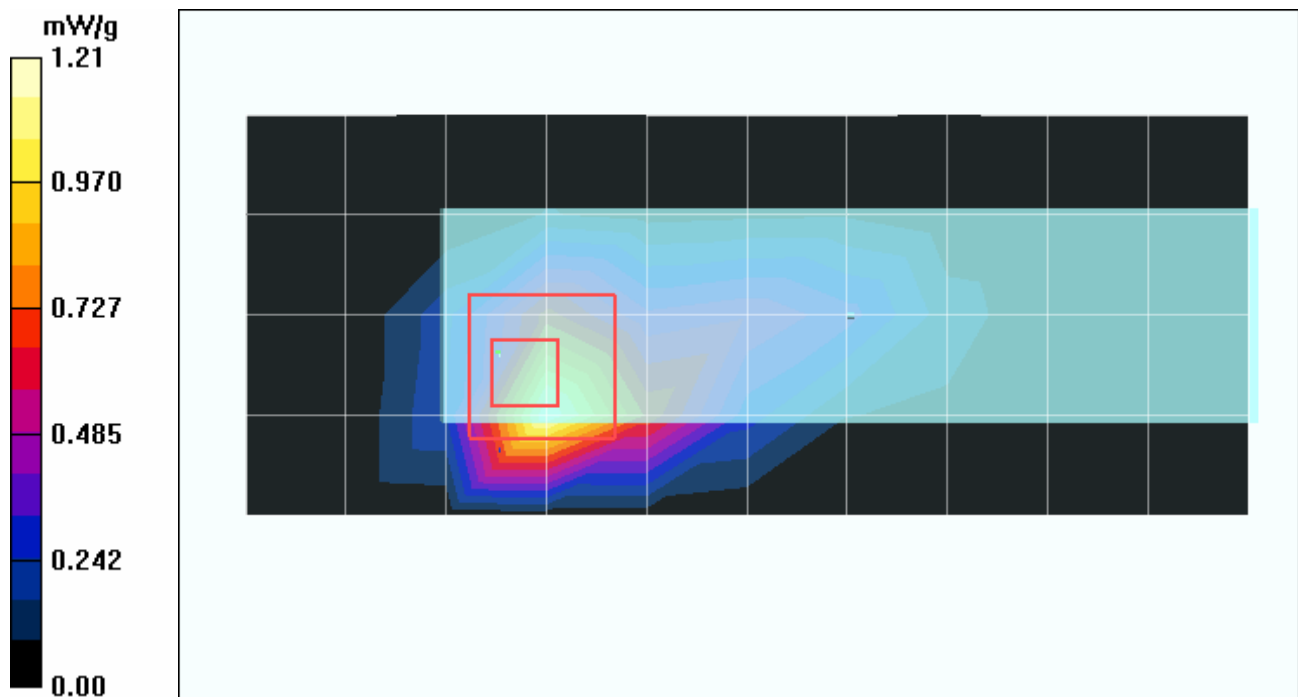
Mid Channel 5745/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.44 V/m

Peak SAR (extrapolated) = 3.37 W/kg

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.324 mW/g

Maximum value of SAR (measured) = 1.21 mW/g



Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11a-Normal N800C Mode 20

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5785 MHz

Communication System: 802.11a ; Frequency: 5785 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 6.22 \text{ mho/m}$; $\epsilon_r = 46.9$; $\rho = 1000$

kg/m^3 ; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5785/Area Scan (5x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.763 mW/g

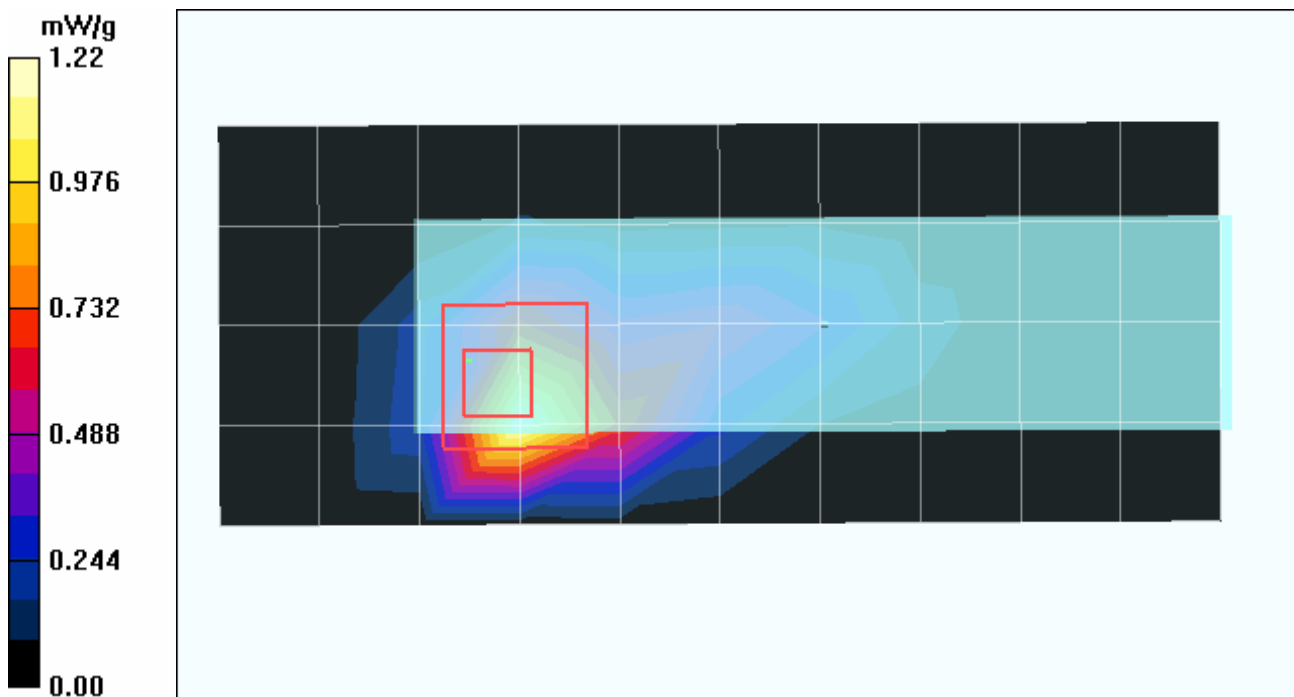
Mid Channel 5785/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.27 V/m

Peak SAR (extrapolated) = 3.48 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.325 mW/g

Maximum value of SAR (measured) = 1.22 mW/g



Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11a-Normal N800C Mode 20

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5825 MHz

Communication System: 802.11a ; Frequency: 5825 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 6.28 \text{ mho/m}$; $\epsilon_r = 46.9$; $\rho = 1000$

kg/m^3 ; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 5825/Area Scan (5x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.803 mW/g

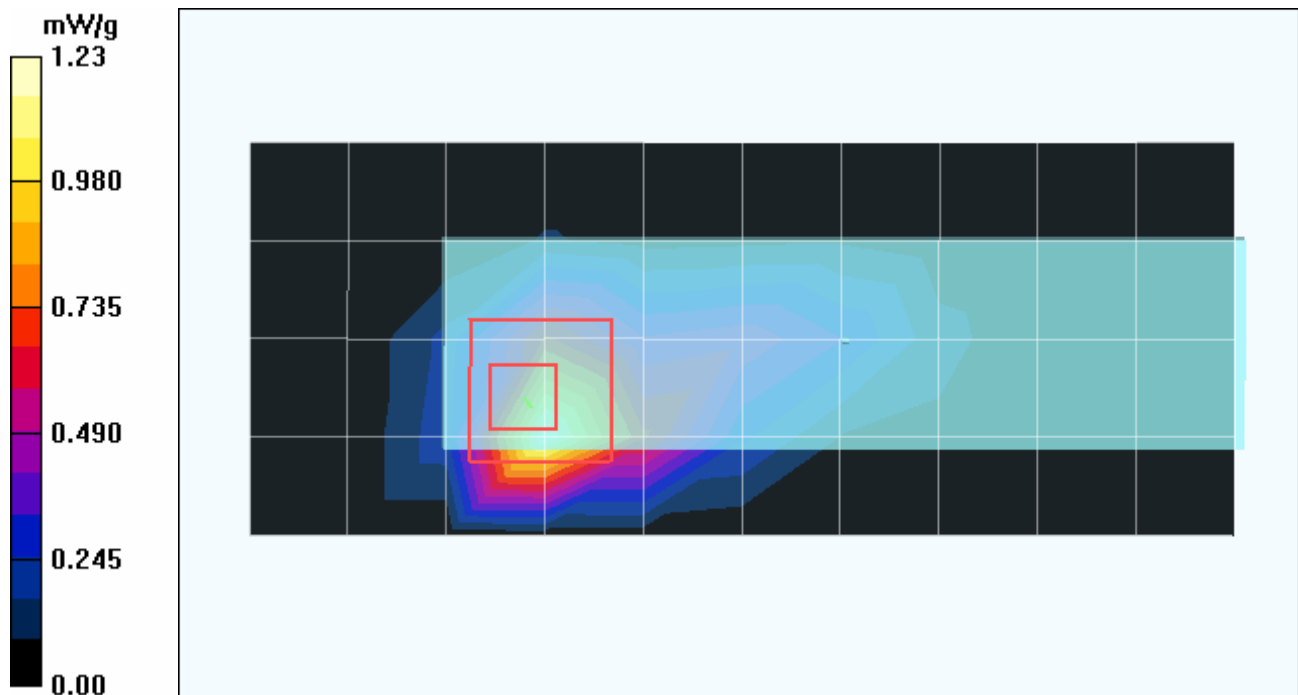
High Channel 5825/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.32 V/m

Peak SAR (extrapolated) = 3.59 W/kg

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.334 mW/g

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



Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11a-Turbo N800C Mode 21

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5210 MHz

Communication System: 802.11a ; Frequency: 5210 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5210 \text{ MHz}$; $\sigma = 5.33 \text{ mho/m}$; $\epsilon_r = 48$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Low Channel 5210/Area Scan (5x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.720 mW/g

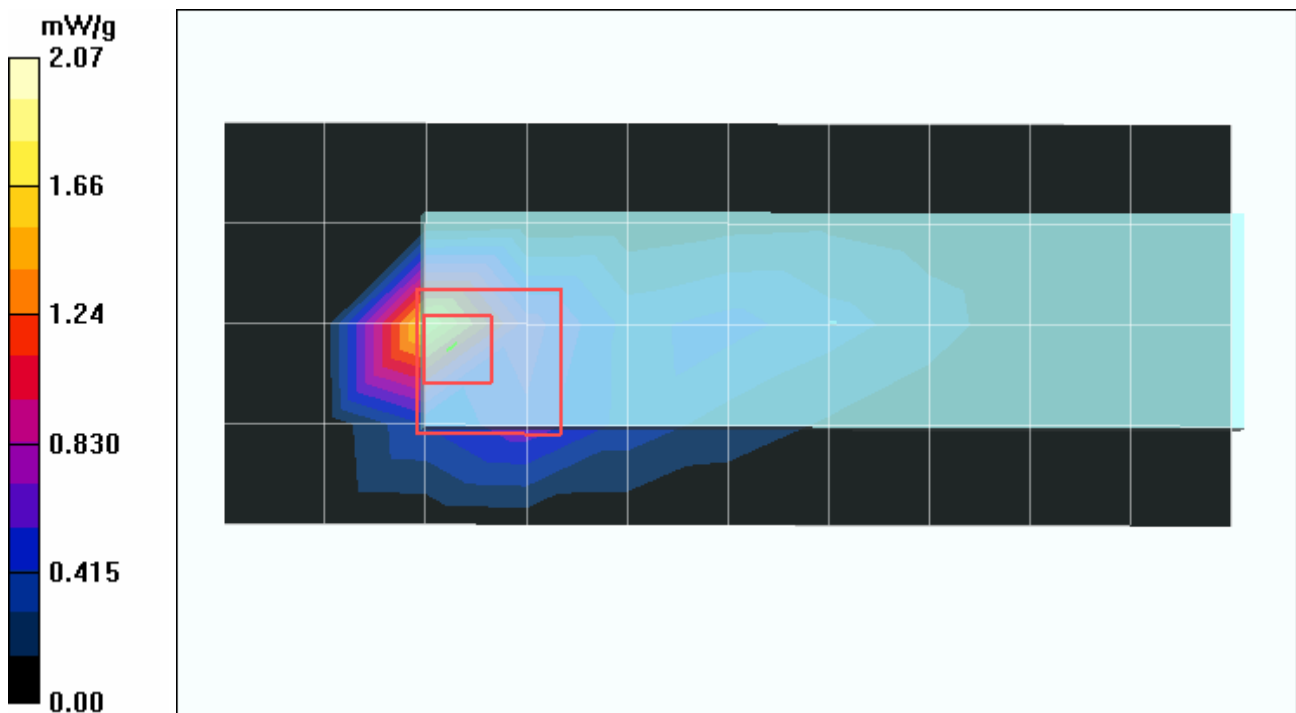
Low Channel 5210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.95 V/m

Peak SAR (extrapolated) = 5.23 W/kg

SAR(1 g) = 1.52 mW/g; SAR(10 g) = 0.417 mW/g

Maximum value of SAR (measured) = 2.07 mW/g



Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11a-Turbo N800C Mode 21

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5250 MHz

Communication System: 802.11a ; Frequency: 5250 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5250$ MHz; $\sigma = 5.39$ mho/m; $\epsilon_r = 48$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5250/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.968 mW/g

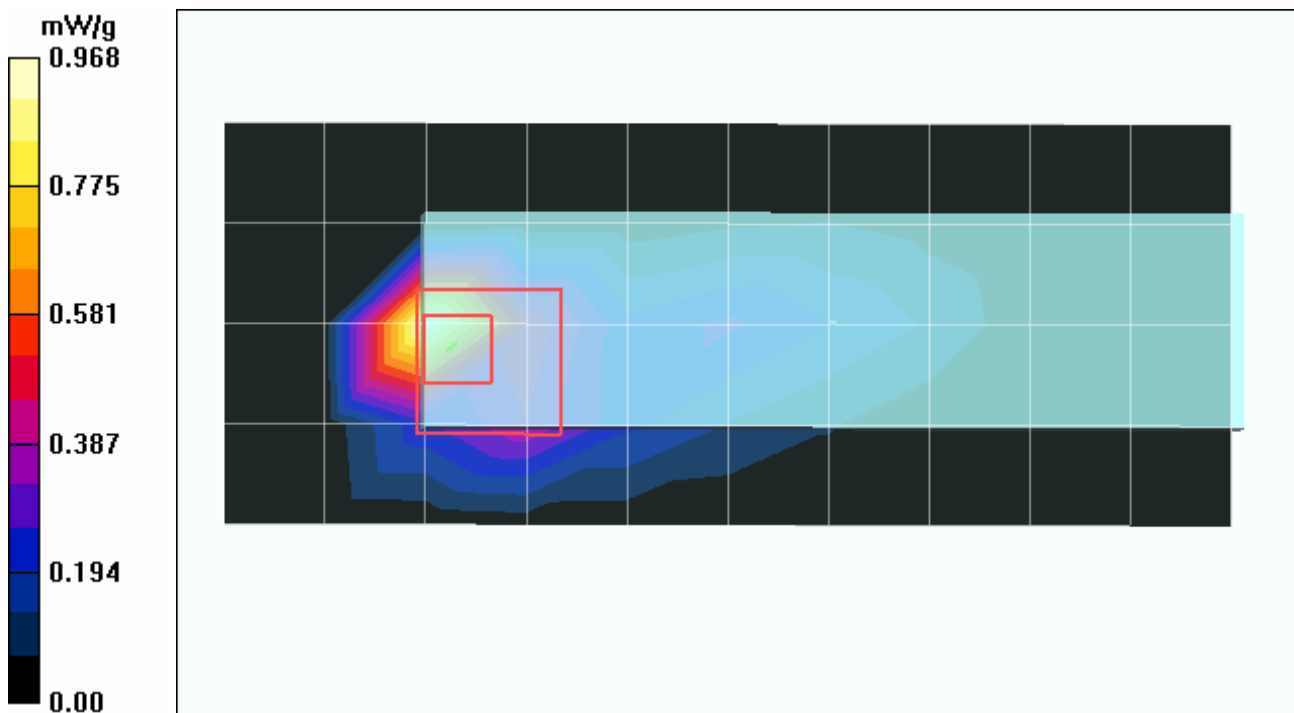
Mid Channel 5250/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

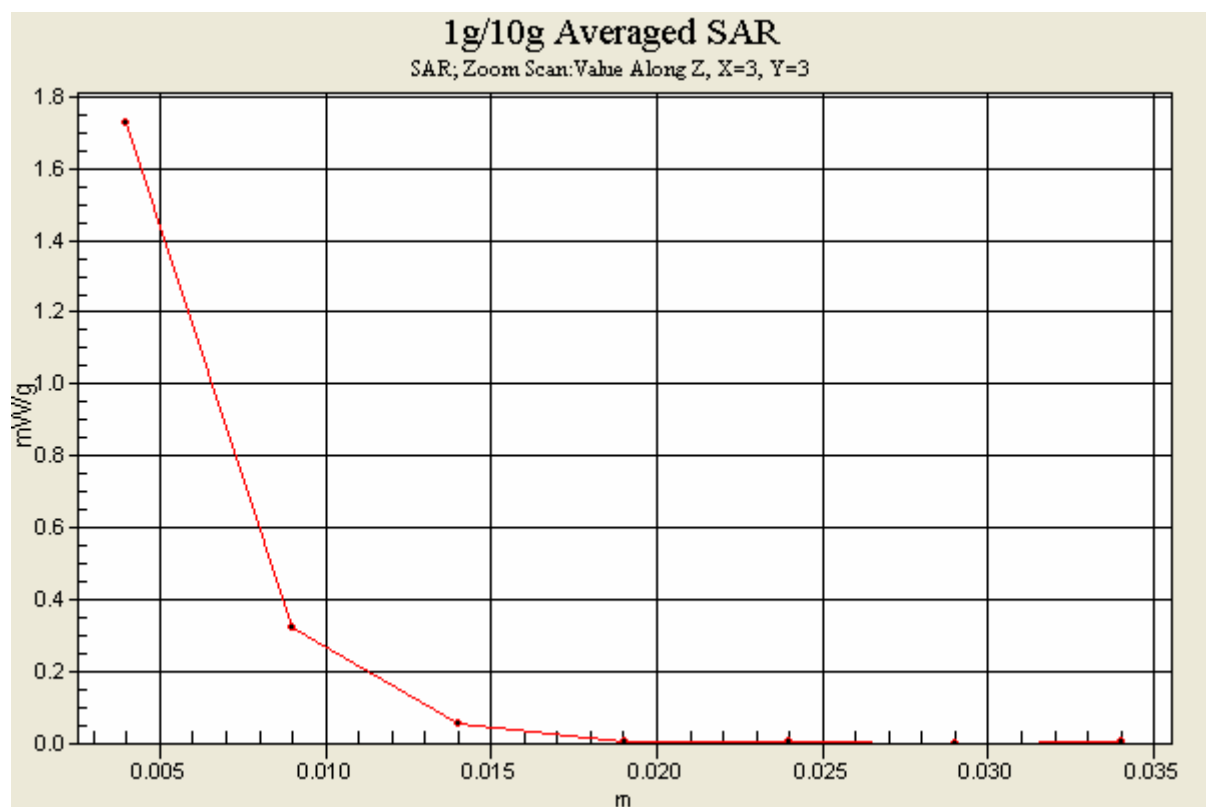
Reference Value = 5.87 V/m

Peak SAR (extrapolated) = 10.9 W/kg

SAR(1 g) = 1.55 mW/g; SAR(10 g) = 0.418 mW/g

Maximum value of SAR (measured) = 1.73 mW/g





Date/Time: 2005/6/27 14:31:28

Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11a-Turbo N800C Mode 21

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5290 MHz

Communication System: 802.11a ; Frequency: 5290 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5290$ MHz; $\sigma = 5.44$ mho/m; $\epsilon_r = 48$; $\rho = 1000$

kg/m³ ; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5290/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.884 mW/g

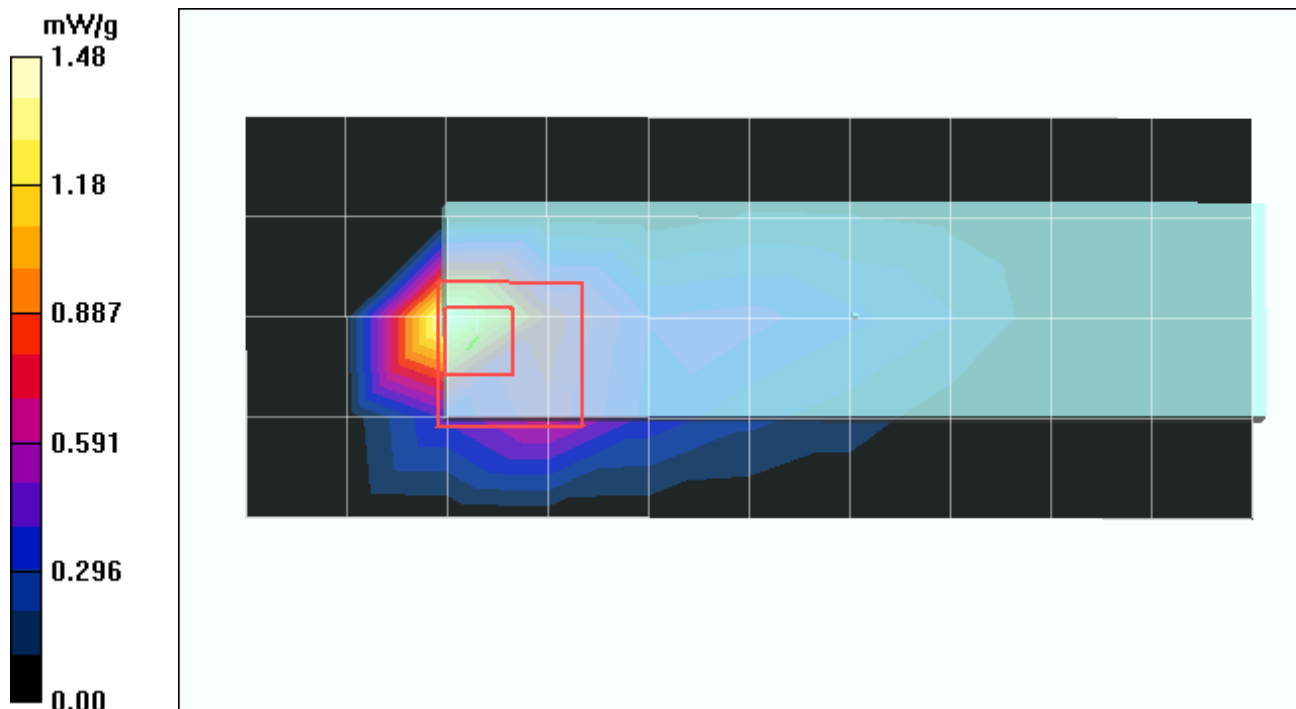
Mid Channel 5290/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.21 V/m

Peak SAR (extrapolated) = 9.71 W/kg

SAR(1 g) = 1.42 mW/g; SAR(10 g) = 0.405 mW/g

Maximum value of SAR (measured) = 1.48 mW/g



Date/Time: 2005/6/27 14:49:10

Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11a-Turbo N800C Mode 21

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5760 MHz

Communication System: 802.11a ; Frequency: 5760 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5760$ MHz; $\sigma = 6.18$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5760/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.240 mW/g

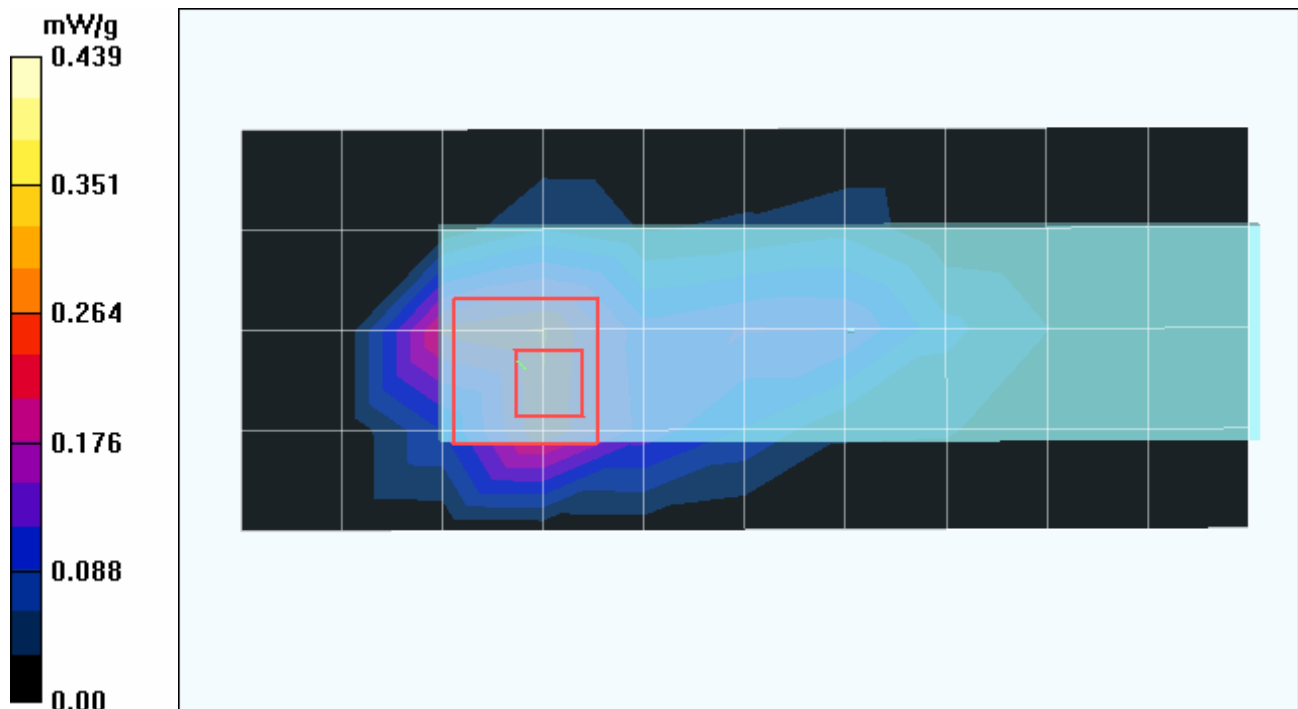
Mid Channel 5760/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.06 V/m

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 0.320 mW/g; SAR(10 g) = 0.118 mW/g

Maximum value of SAR (measured) = 0.439 mW/g



Date/Time: 2005/6/27 15:07:08

Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11a-Turbo N800C Mode 21

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5800 MHz

Communication System: 802.11a ; Frequency: 5800 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.9$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

High Channel 5800/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.219 mW/g

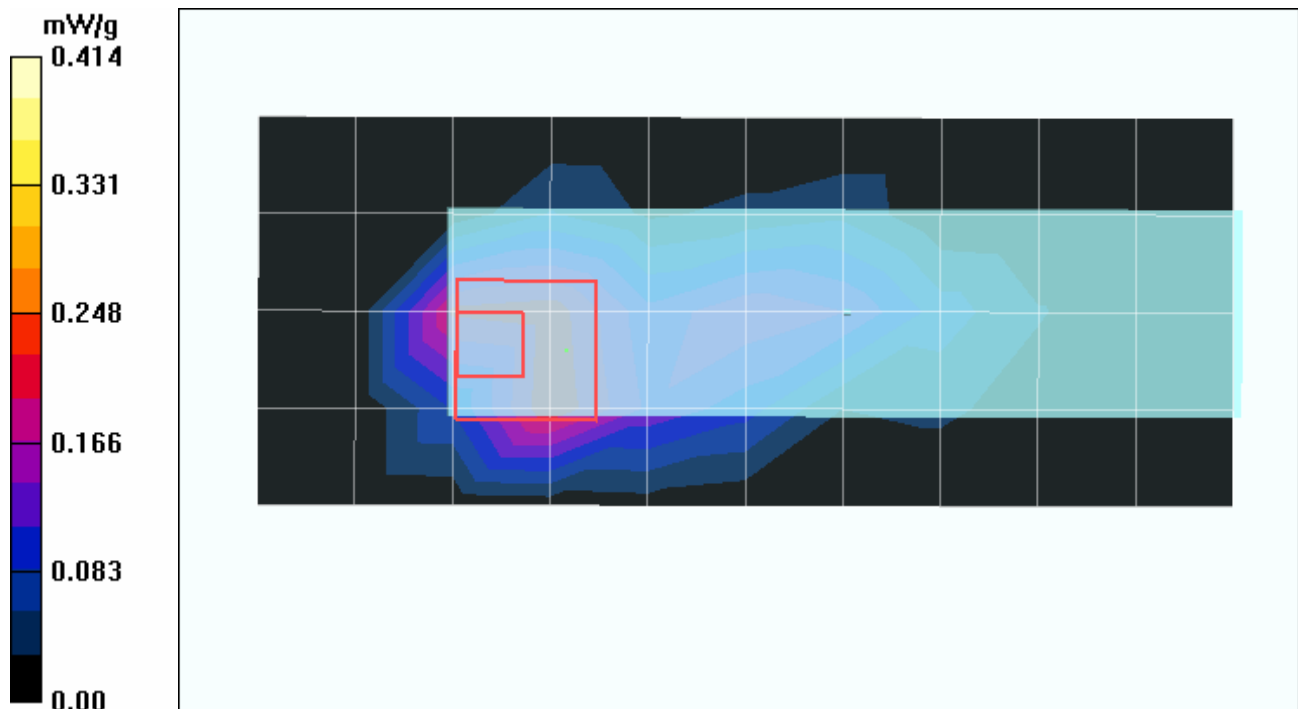
High Channel 5800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.95 V/m

Peak SAR (extrapolated) = 0.958 W/kg

SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.117 mW/g

Maximum value of SAR (measured) = 0.414 mW/g



Date/Time: 2005/6/27 13:15:58

Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11a-Normal N800C Mode 22

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5320 MHz

Communication System: 802.11a ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5320$ MHz; $\sigma = 5.49$ mho/m; $\epsilon_r = 47.9$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5320/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.11 mW/g

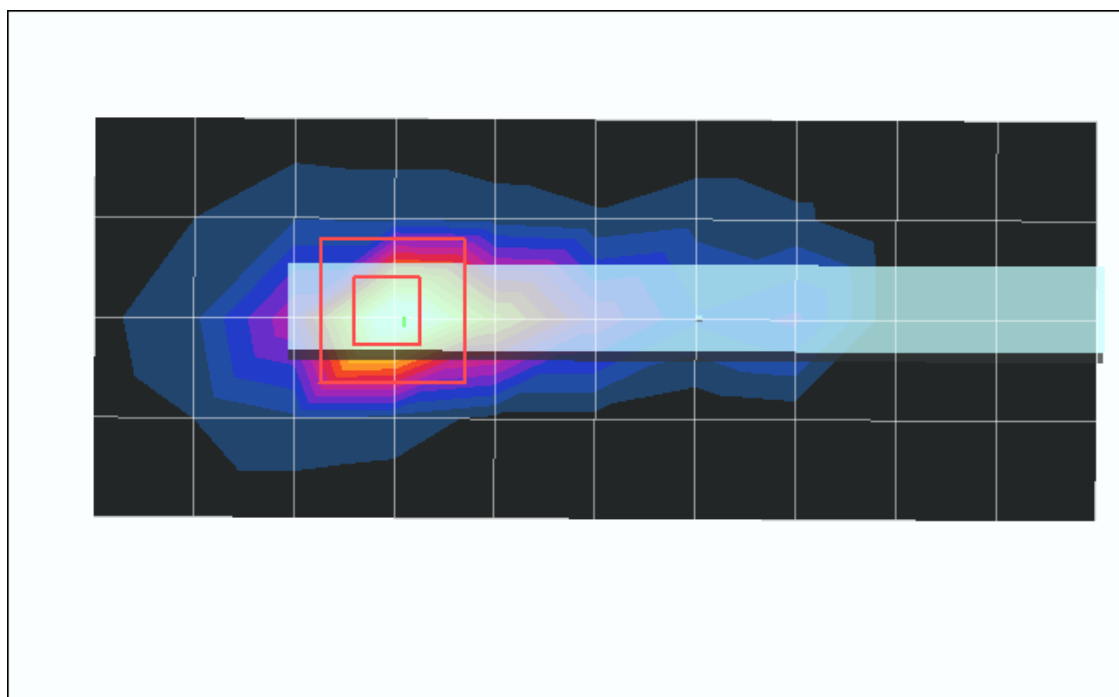
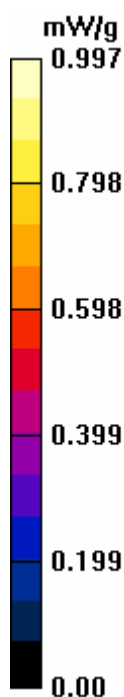
Mid Channel 5320/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.23 V/m

Peak SAR (extrapolated) = 5.99 W/kg

SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.317 mW/g

Maximum value of SAR (measured) = 0.997 mW/g



Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11a-Turbo N800C Mode 23

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5250 MHz

Communication System: 802.11a ; Frequency: 5250 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM

Medium: MSL5800 Medium parameters used: $f = 5250 \text{ MHz}$; $\sigma = 5.39 \text{ mho/m}$; $\epsilon_r = 48$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5250/Area Scan (5x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.05 mW/g

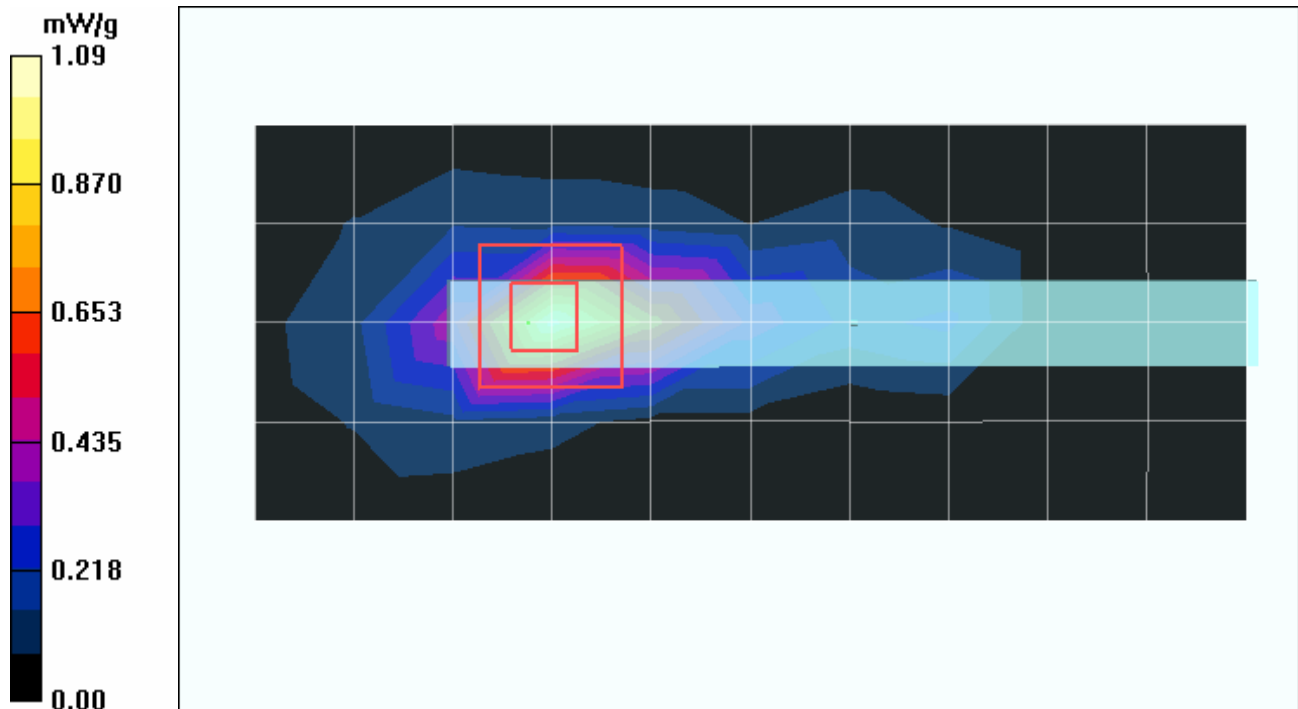
Mid Channel 5250/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.08 V/m

Peak SAR (extrapolated) = 6.21 W/kg

SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.341 mW/g

Maximum value of SAR (measured) = 1.09 mW/g



Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11a-Normal N800C Mode 24

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5320 MHz

Communication System: 802.11a ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5320 \text{ MHz}$; $\sigma = 5.49 \text{ mho/m}$; $\epsilon_r = 47.9$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5320 R/Area Scan (5x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.060 mW/g

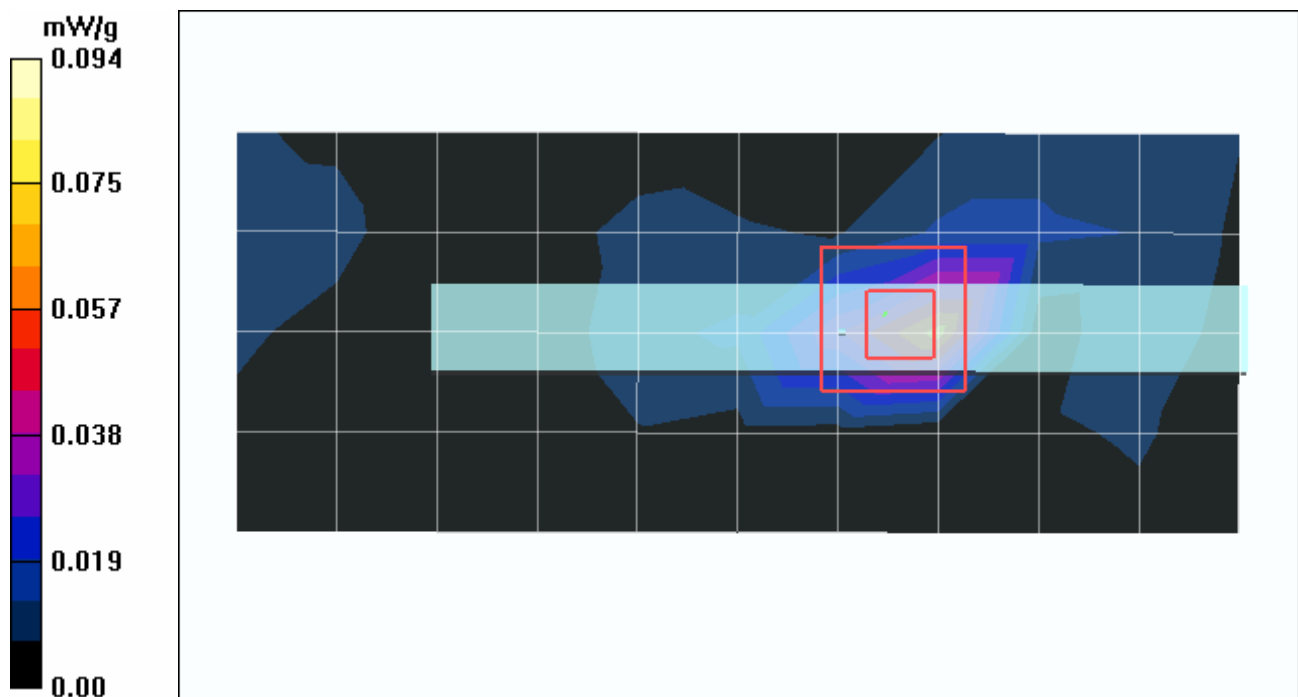
Mid Channel 5320 R/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.56 V/m

Peak SAR (extrapolated) = 0.239 W/kg

SAR(1 g) = 0.077 mW/g; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.094 mW/g



Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11a-Turbo N800C Mode 25

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5250 MHz

Communication System: 802.11a ; Frequency: 5250 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5250$ MHz; $\sigma = 5.39$ mho/m; $\epsilon_r = 48$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5250/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.070 mW/g

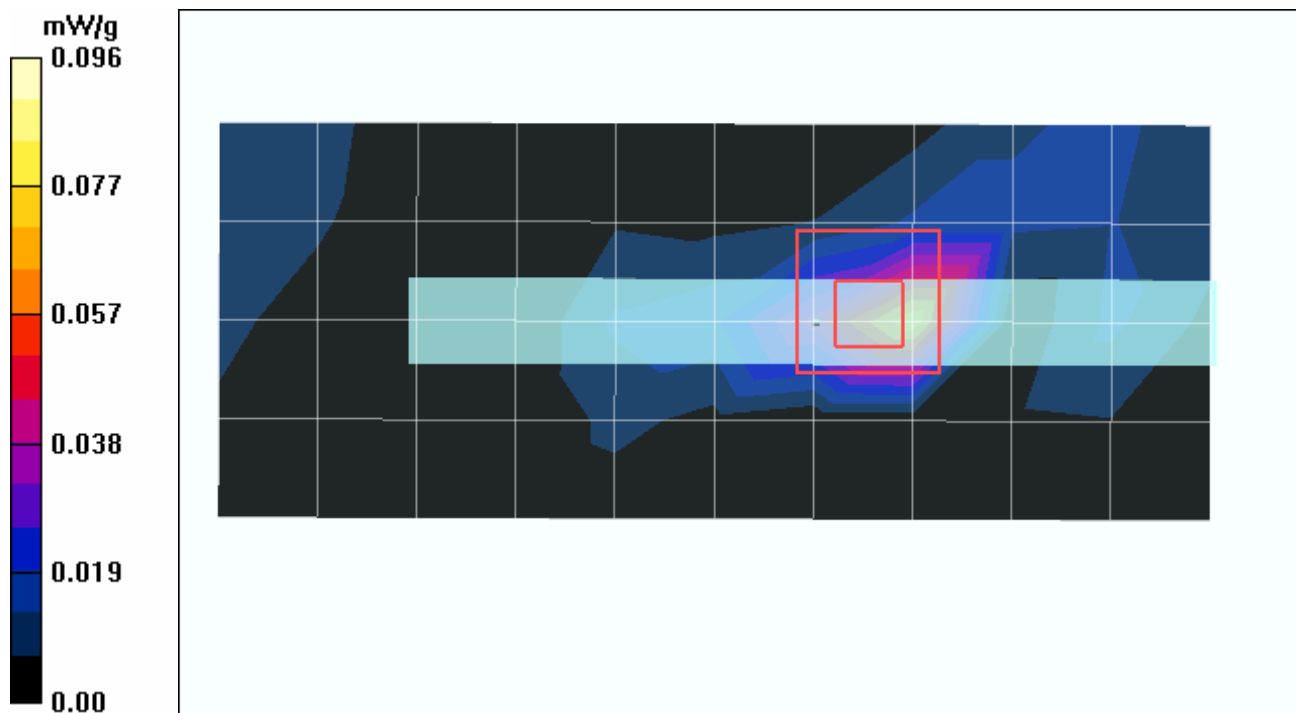
Mid Channel 5250/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.68 V/m

Peak SAR (extrapolated) = 0.240 W/kg

SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.096 mW/g



Test Laboratory: Advance Data Technology

DCUA-82 Vertical 11a-Normal C600 Mode 26

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5320 MHz

Communication System: 802.11a ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5320$ MHz; $\sigma = 5.49$ mho/m; $\epsilon_r = 47.9$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5320/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.598 mW/g

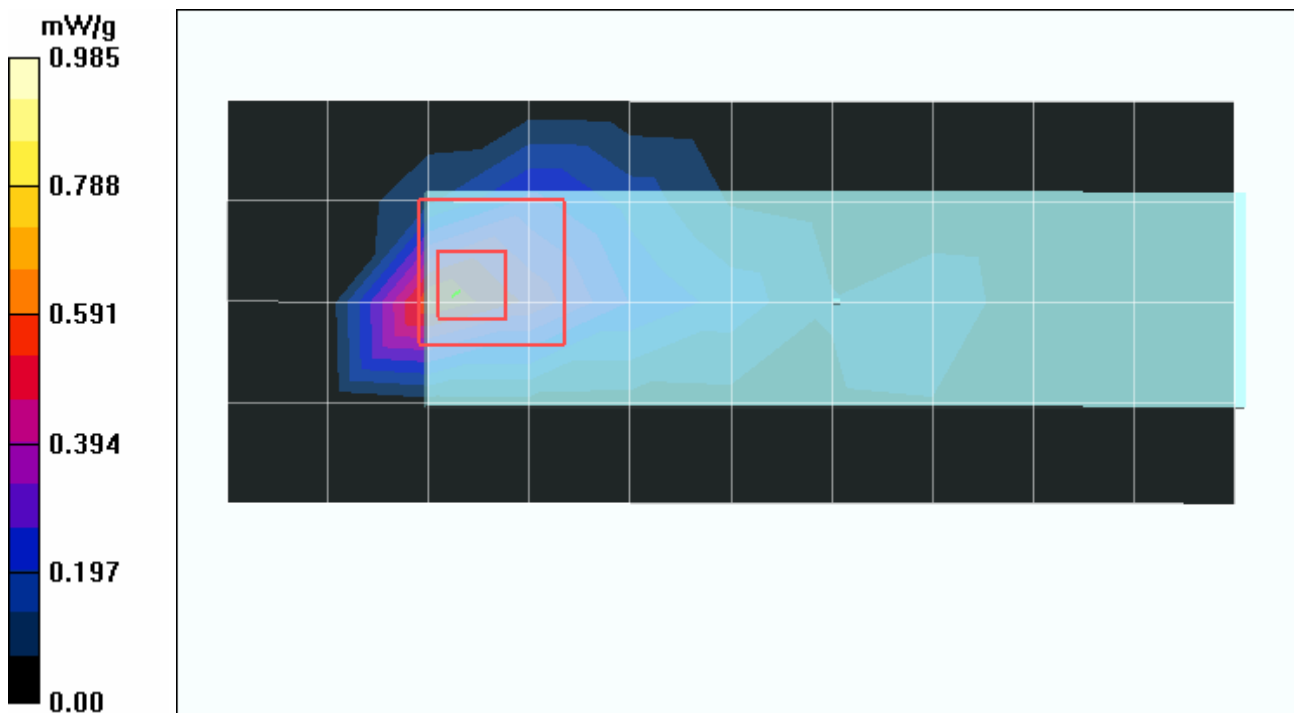
Mid Channel 5320/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.68 V/m

Peak SAR (extrapolated) = 4.98 W/kg

SAR(1 g) = 0.910 mW/g; SAR(10 g) = 0.295 mW/g

Maximum value of SAR (measured) = 0.985 mW/g



Test Laboratory: Advance Data Technology

DCUA-82 Horizontal 11a-Turbo C600 Mode 27

DUT: WLAN 802.11a/b/g USB2.0 Adapter ; Type: DCUA-82 ; Test Frequency: 5250 MHz

Communication System: 802.11a ; Frequency: 5250 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5250$ MHz; $\sigma = 5.39$ mho/m; $\epsilon_r = 48$; $\rho = 1000$ kg/m³ ; Liquid level : 150mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- 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, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

Mid Channel 5250/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.697 mW/g

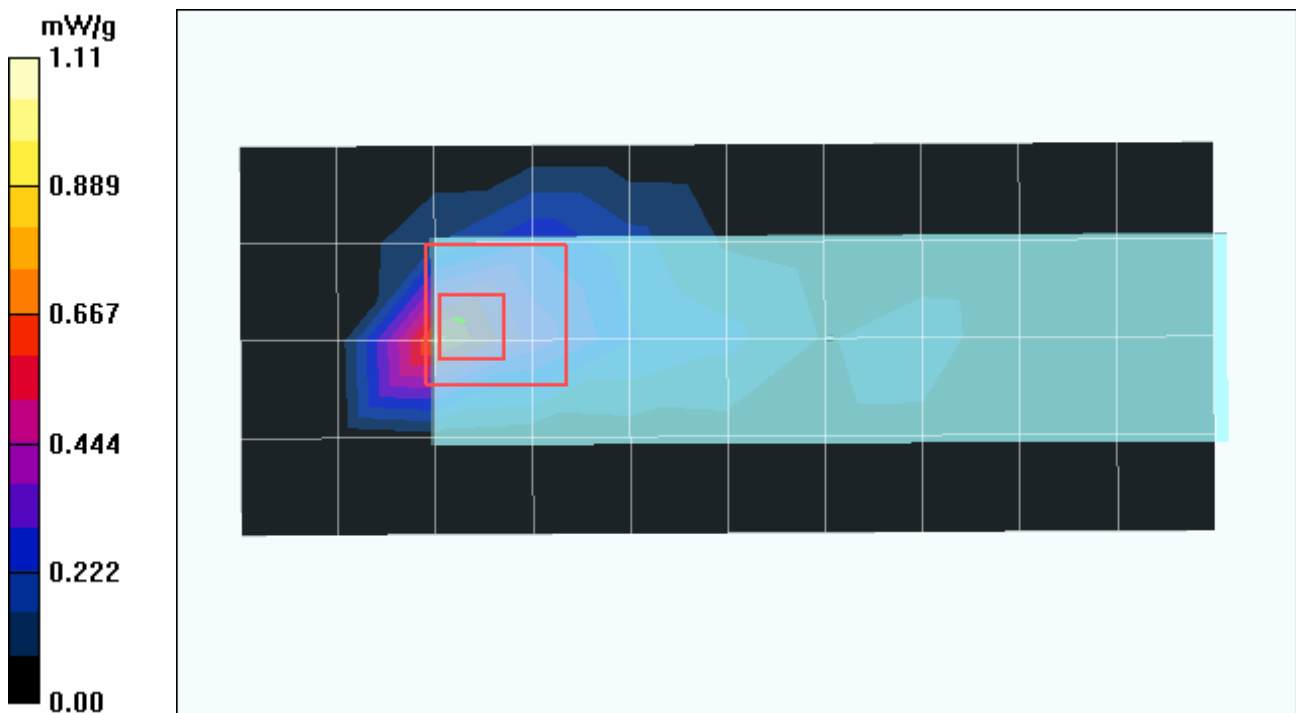
Mid Channel 5250/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.25 V/m

Peak SAR (extrapolated) = 5.73 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.330 mW/g

Maximum value of SAR (measured) = 1.11 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; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³ ; Liquid level : 152 mm

Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 22.0 degrees ; Liquid temp. : 21.5 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, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

d=10mm, Pin=250mW/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 13.1 mW/g

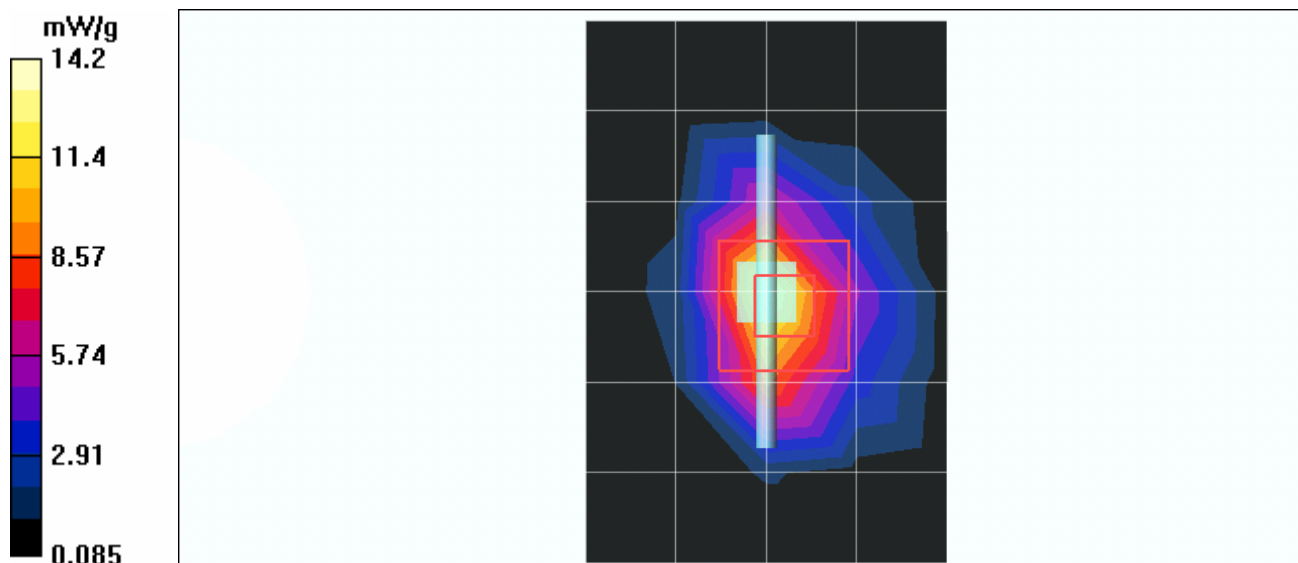
d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 85.7 V/m; Power Drift = -0.093 dB

Peak SAR (extrapolated) = 27.2 W/kg

SAR(1 g) = 12.6 mW/g; SAR(10 g) = 5.83 mW/g

Maximum value of SAR (measured) = 14.2 mW/g



Test Laboratory: Advance Data Technology

System Validation Check-MSL 5GHz

DUT: Dipole 5 GHz ; Type: D5GHzV2 ; Serial: 1019 ; Test Frequency: 5200 MHz

Communication System: CW ; Frequency: 5200 MHz; Duty Cycle: 1:1; Modulation type: CW

Medium: MSL5800; Medium parameters used: $f = 5200$ MHz; $\sigma = 5.31$ mho/m; $\epsilon_r = 48$; $\rho = 1000$ kg/m³ ;

Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579;
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

f=5200, d=10mm, Pin=250mW/Area Scan (6x6x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 22.7 mW/g

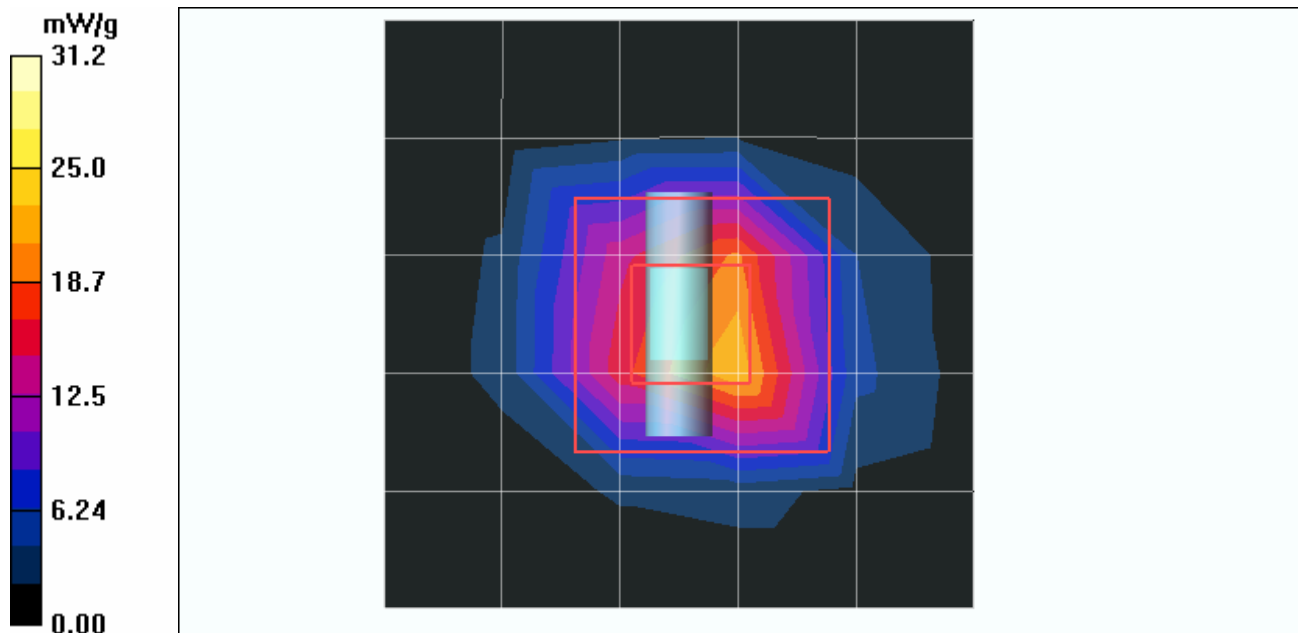
f=5200, d=10mm, Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 83.2 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 67.2 W/kg

SAR(1 g) = 18 mW/g; SAR(10 g) = 5.06 mW/g

Maximum value of SAR (measured) = 31.2 mW/g



Test Laboratory: Advance Data Technology

System Validation Check-MSL 5GHz

DUT: Dipole 5 GHz ; Type: D5GHzV2 ; Serial: 1019 ; Test Frequency: 5800 MHz

Communication System: CW ; Frequency: 5800 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: MSL5800; Medium parameters used: $f = 5800$ MHz; $\sigma = 6.24$ mho/m; $\epsilon_r = 46.9$; $\rho = 1000$ kg/m³ ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579;
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

f=5800, d=10mm, Pin=250mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 30.5 mW/g

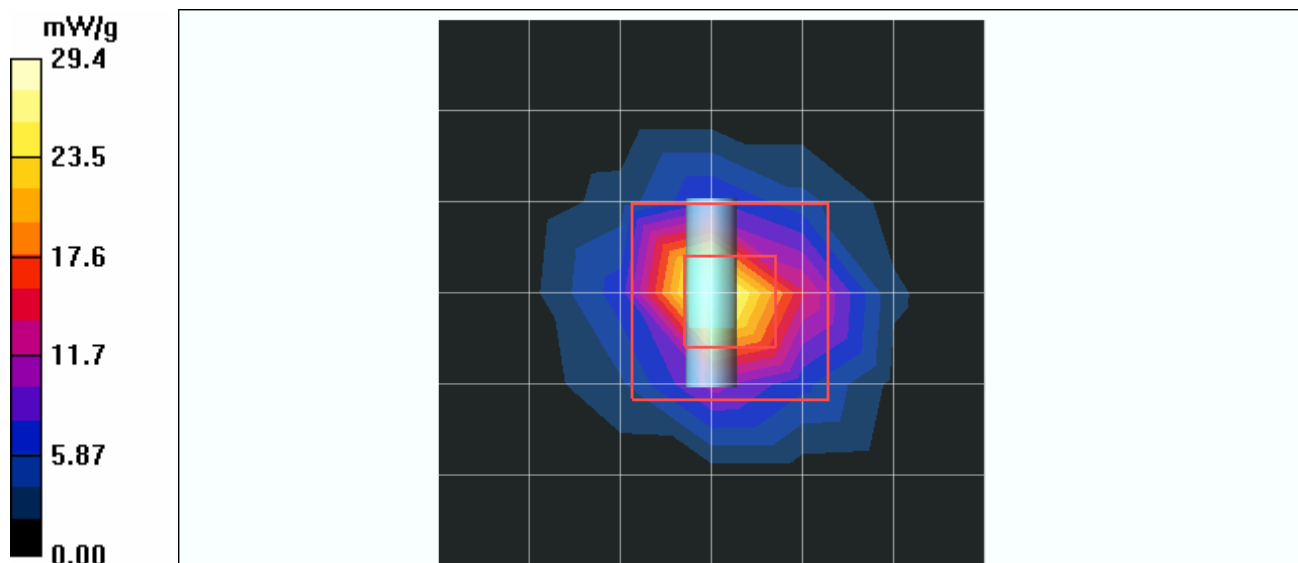
f=5800, d=10mm, Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 75.0 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 73.7 W/kg

SAR(1 g) = 17.2 mW/g; SAR(10 g) = 4.74 mW/g

Maximum value of SAR (measured) = 29.4 mW/g



Test Laboratory: Advance Data Technology

System Validation Check-MSL 5GHz

DUT: Dipole 5 GHz ; Type: D5GHzV2 ; Serial: 1019 ; Test Frequency: 5200 MHz

Communication System: CW ; Frequency: 5200 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: MSL5800; Medium parameters used: $f = 5200$ MHz; $\sigma = 5.31$ mho/m; $\epsilon_r = 48$; $\rho = 1000$ kg/m³ ;
Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579;
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

f=5200, d=10mm, Pin=250mW/Area Scan (6x6x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 22.0 mW/g

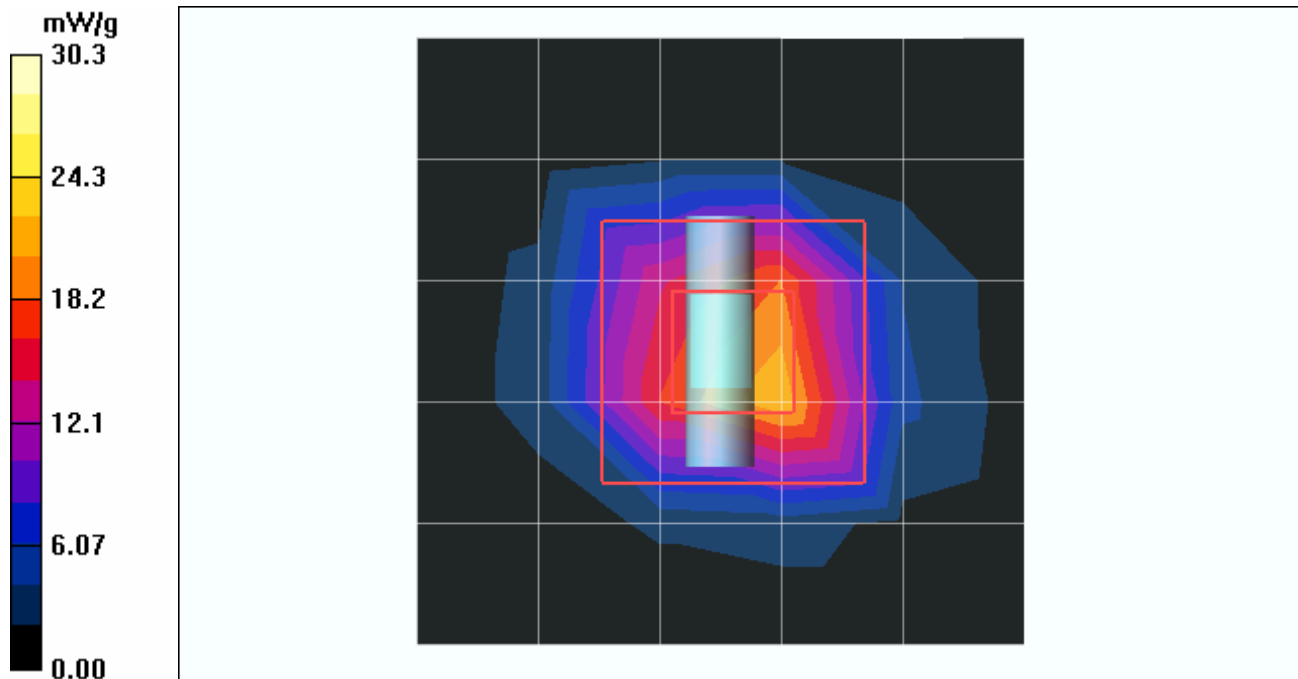
f=5200, d=10mm, Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 84.5 V/m; Power Drift = -0.339 dB

Peak SAR (extrapolated) = 66.0 W/kg

SAR(1 g) = 17.6 mW/g; SAR(10 g) = 4.9 mW/g

Maximum value of SAR (measured) = 30.3 mW/g



Test Laboratory: Advance Data Technology

System Validation Check-MSL 5GHz

DUT: Dipole 5 GHz ; Type: D5GHzV2 ; Serial: 1019 ; Test Frequency: 5800 MHz

Communication System: CW ; Frequency: 5800 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: MSL5800; Medium parameters used: $f = 5800$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 46.9$; $\rho = 1000$ kg/m³ ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579;
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

f=5800, d=10mm, Pin=250mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 30.3 mW/g

f=5800, d=10mm, Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 75.0 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 69.7 W/kg

SAR(1 g) = 16.6 mW/g; SAR(10 g) = 4.62 mW/g

Maximum value of SAR (measured) = 28.0 mW/g

