

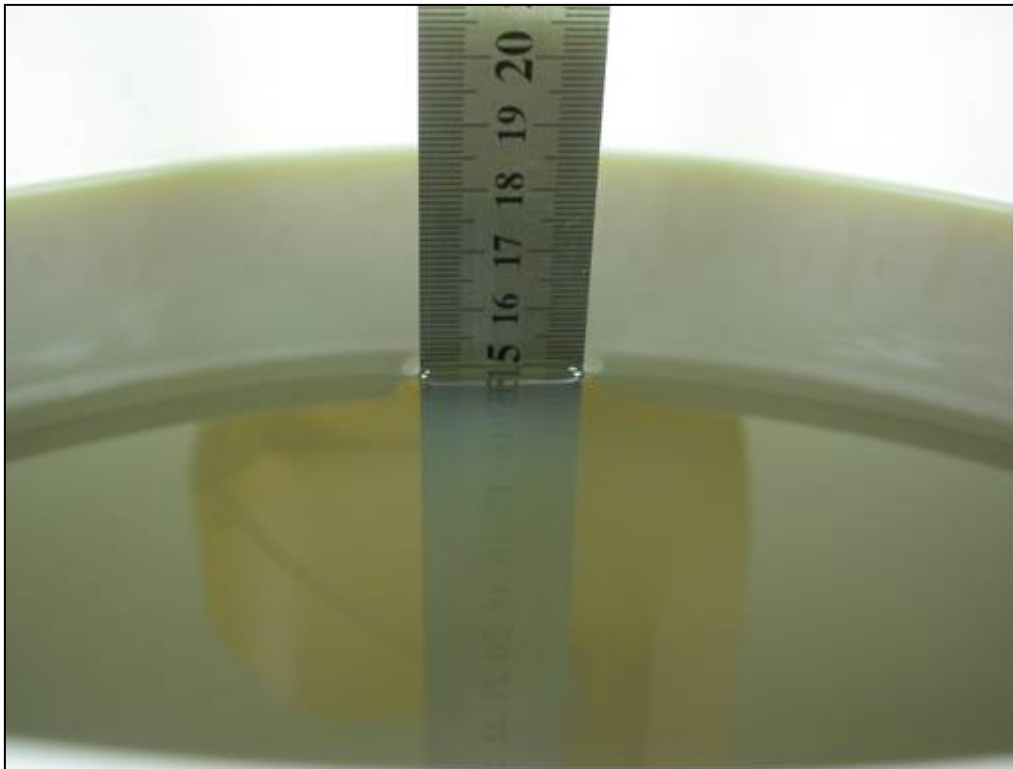
APPENDIX A: TEST DATA

Liquid Level Photo

MSL 2450MHz D=151mm



MSL 5000MHz D=150mm



Date/Time: 2006/7/13 15:11:21

Test Laboratory: Advance Data Technology

D600-11b-CH1-Mode 1

DUT: 802.11a/g Wireless USB Adapter ; Type: AG220 ; 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; $\sigma = 1.98$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³ ; Liquid level : 151 mm

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

Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.3 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Low Channel 1/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.50 mW/g

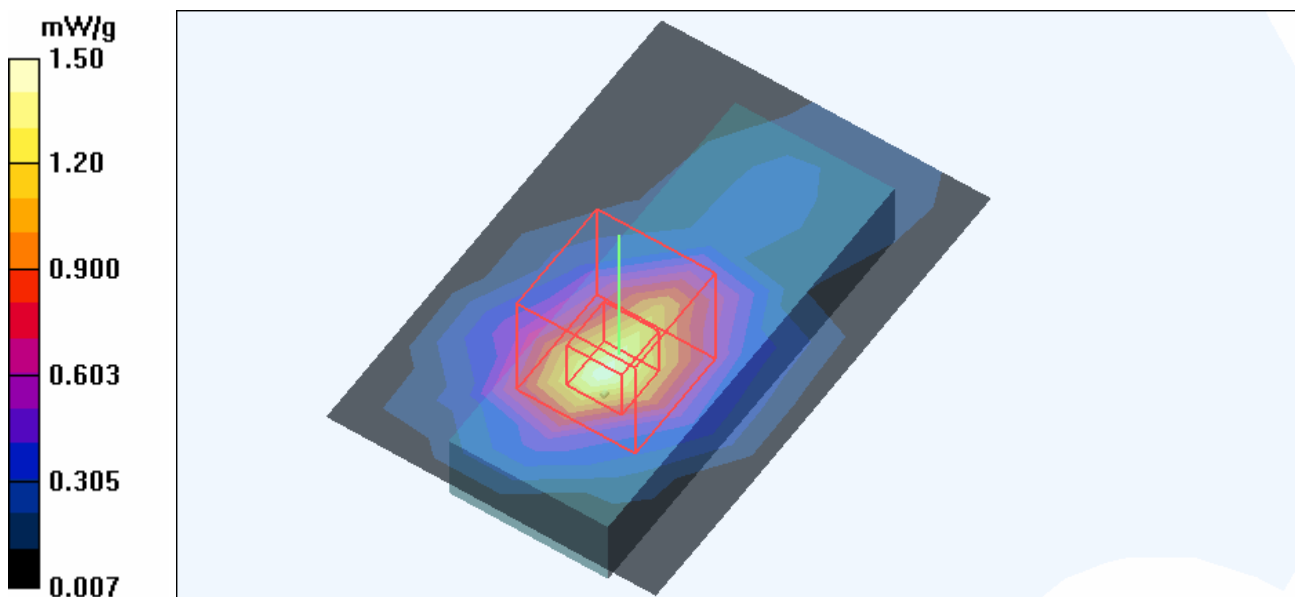
Low Channel 1/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.8 V/m

Peak SAR (extrapolated) = 2.84 W/kg

SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.669 mW/g

Maximum value of SAR (measured) = 1.47 mW/g



Date/Time: 2006/7/13 15:27:37

Test Laboratory: Advance Data Technology

D600-11b-CH6-Mode 1

DUT: 802.11a/g Wireless USB Adapter ; Type: AG220 ; 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; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$

kg/m³ ; Liquid level : 151 mm

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

Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.3 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Mid Channel 6/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.44 mW/g

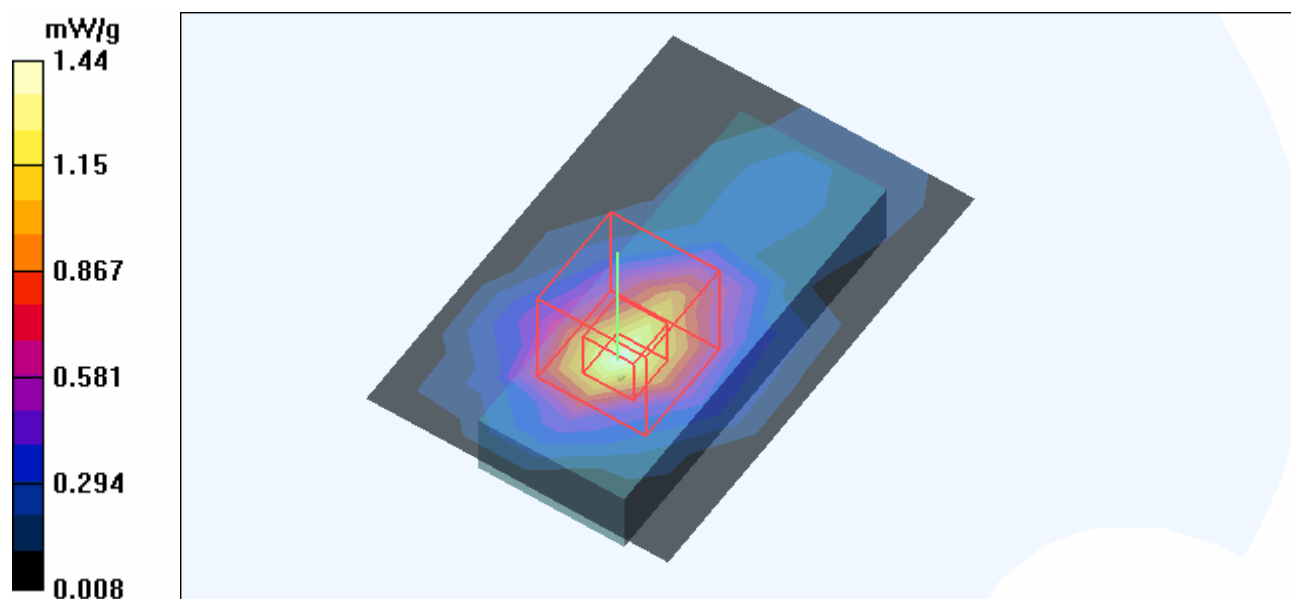
Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.5 V/m

Peak SAR (extrapolated) = 2.74 W/kg

SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.630 mW/g

Maximum value of SAR (measured) = 1.39 mW/g



Date/Time: 2006/7/13 15:42:33

Test Laboratory: Advance Data Technology

D600-11b-CH11-Mode 1

DUT: 802.11a/g Wireless USB Adapter ; Type: AG220 ; Test Frequency: 2462 MHz

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.05$ mho/m; $\epsilon_r = 50.8$; $\rho = 1000$ kg/m³ ; Liquid level : 151 mm

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

Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.3 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

High Channel 11/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.58 mW/g

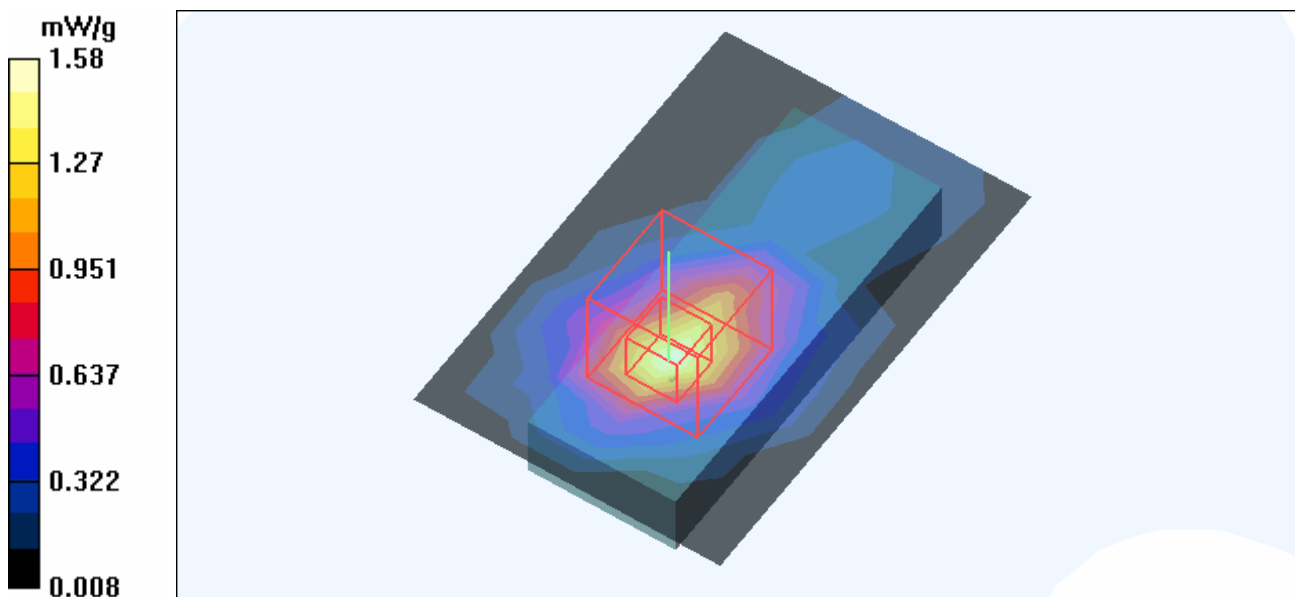
High Channel 11/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

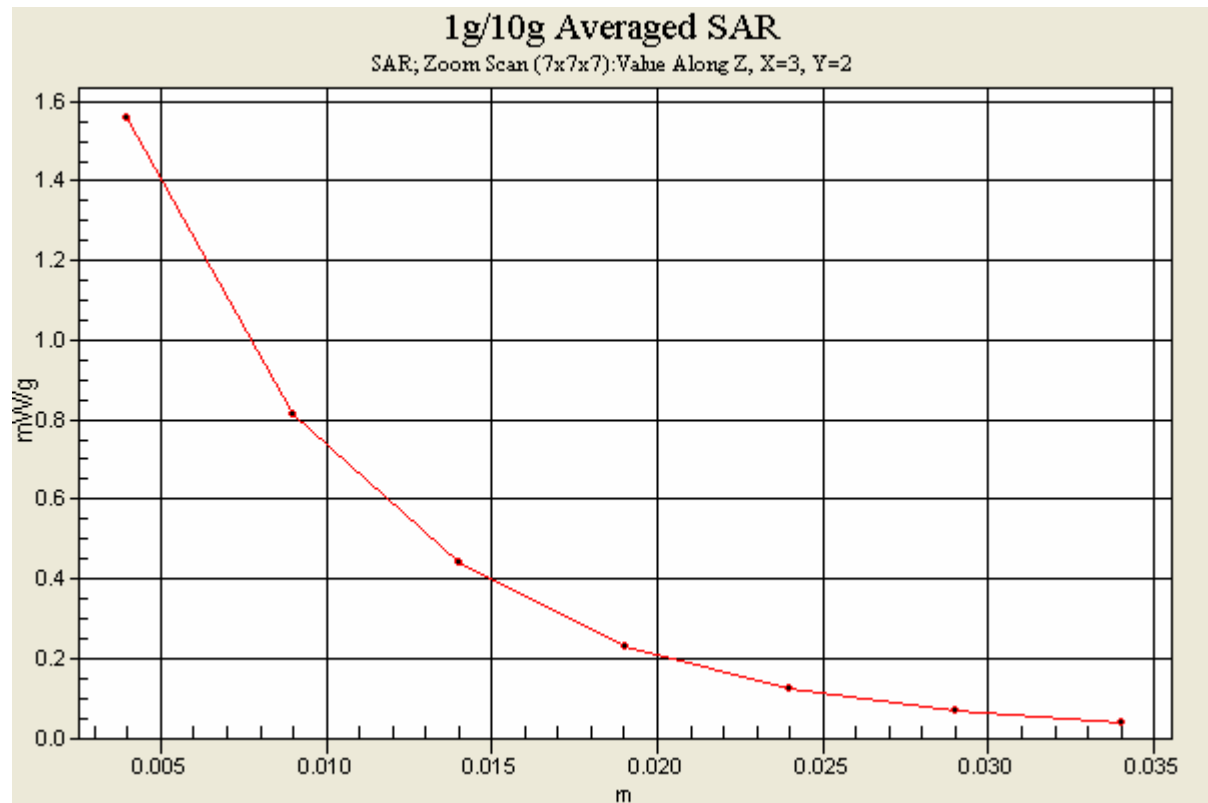
Reference Value = 29.3 V/m

Peak SAR (extrapolated) = 3.15 W/kg

SAR(1 g) = 1.42 mW/g; SAR(10 g) = 0.699 mW/g

Maximum value of SAR (measured) = 1.56 mW/g





Date/Time: 2006/7/13 16:07:46

Test Laboratory: Advance Data Technology

D600-11g-CH1-Mode 2

DUT: 802.11a/g Wireless USB Adapter ; Type: AG220 ; 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; $\sigma = 1.98$ mho/m; $\epsilon_r = 51$; $\rho = 1000$

kg/m³ ; Liquid level : 151 mm

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

Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.3 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Low Channel 1/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.49 mW/g

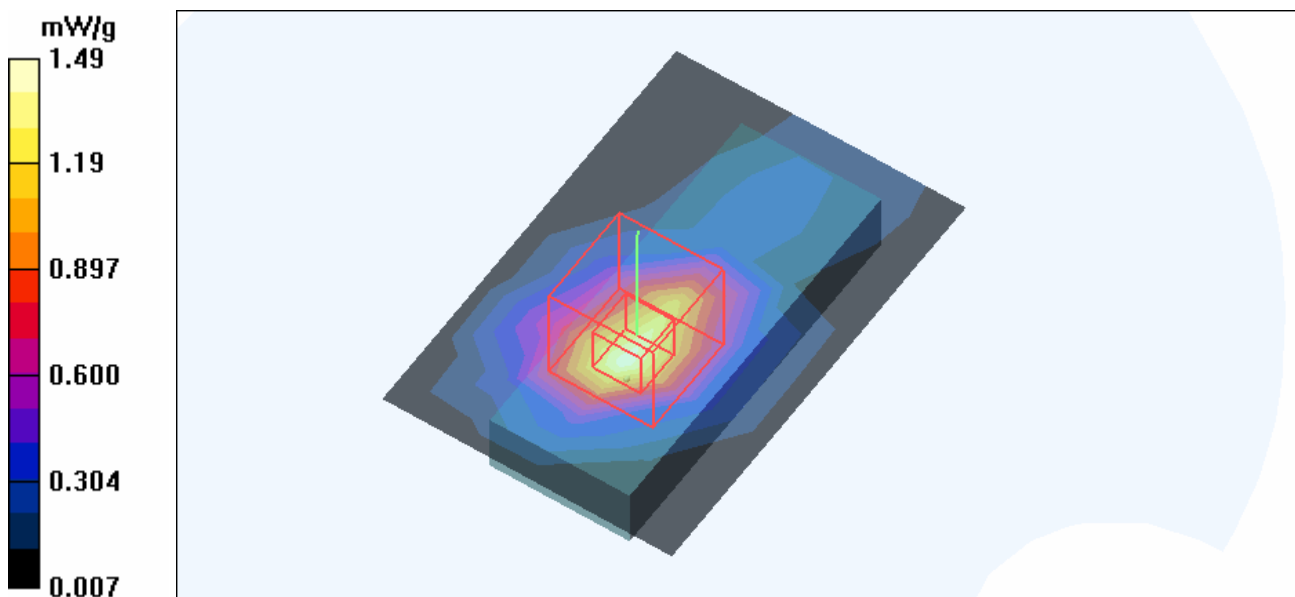
Low Channel 1/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.6 V/m

Peak SAR (extrapolated) = 2.55 W/kg

SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.628 mW/g

Maximum value of SAR (measured) = 1.37 mW/g



Date/Time: 2006/7/13 16:22:58

Test Laboratory: Advance Data Technology

D600-11g-CH6-Mode 2

DUT: 802.11a/g Wireless USB Adapter ; Type: AG220 ; 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; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$

kg/m³ ; Liquid level : 151 mm

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

Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.3 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Mid Channel 6/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.38 mW/g

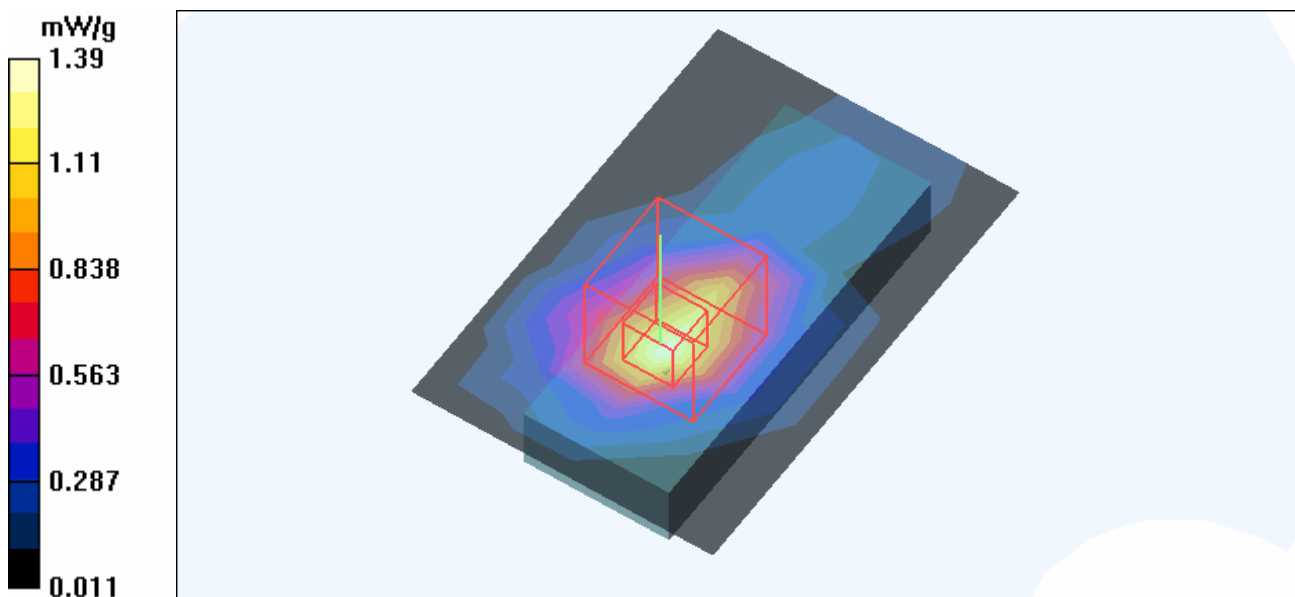
Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.4 V/m

Peak SAR (extrapolated) = 2.71 W/kg

SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.629 mW/g

Maximum value of SAR (measured) = 1.39 mW/g



Date/Time: 2006/7/13 16:37:46

Test Laboratory: Advance Data Technology

D600-11g-CH11-Mode 2

DUT: 802.11a/g Wireless USB Adapter ; Type: AG220 ; Test Frequency: 2462 MHz

Communication System: 802.11g ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.05$ mho/m; $\epsilon_r = 50.8$; $\rho = 1000$

kg/m³ ; Liquid level : 151 mm

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

Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.3 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

High Channel 11/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.42 mW/g

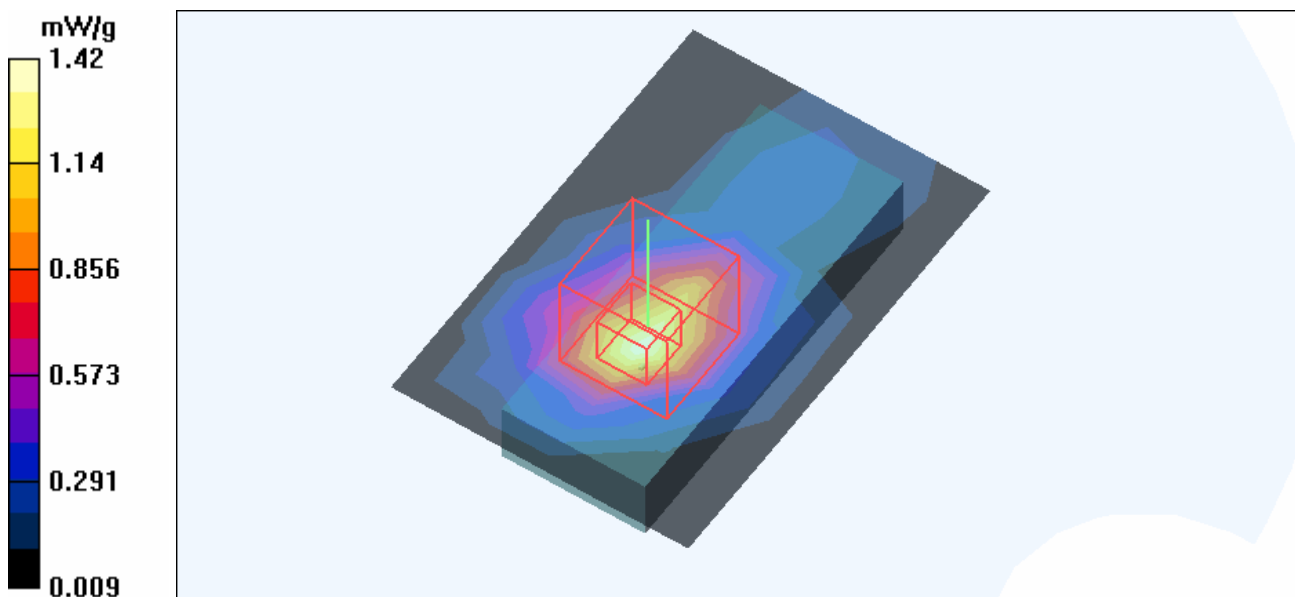
High Channel 11/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.4 V/m

Peak SAR (extrapolated) = 2.27 W/kg

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.524 mW/g

Maximum value of SAR (measured) = 1.16 mW/g



Date/Time: 2006/7/13 17:03:15

Test Laboratory: Advance Data Technology

NC6000-11b-CH11-Mode 3

DUT: 802.11a/g Wireless USB Adapter ; Type: AG220 ; Test Frequency: 2462 MHz

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.05$ mho/m; $\epsilon_r = 50.8$; $\rho = 1000$ kg/m³ ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 3 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.3 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

High Channel 11/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

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

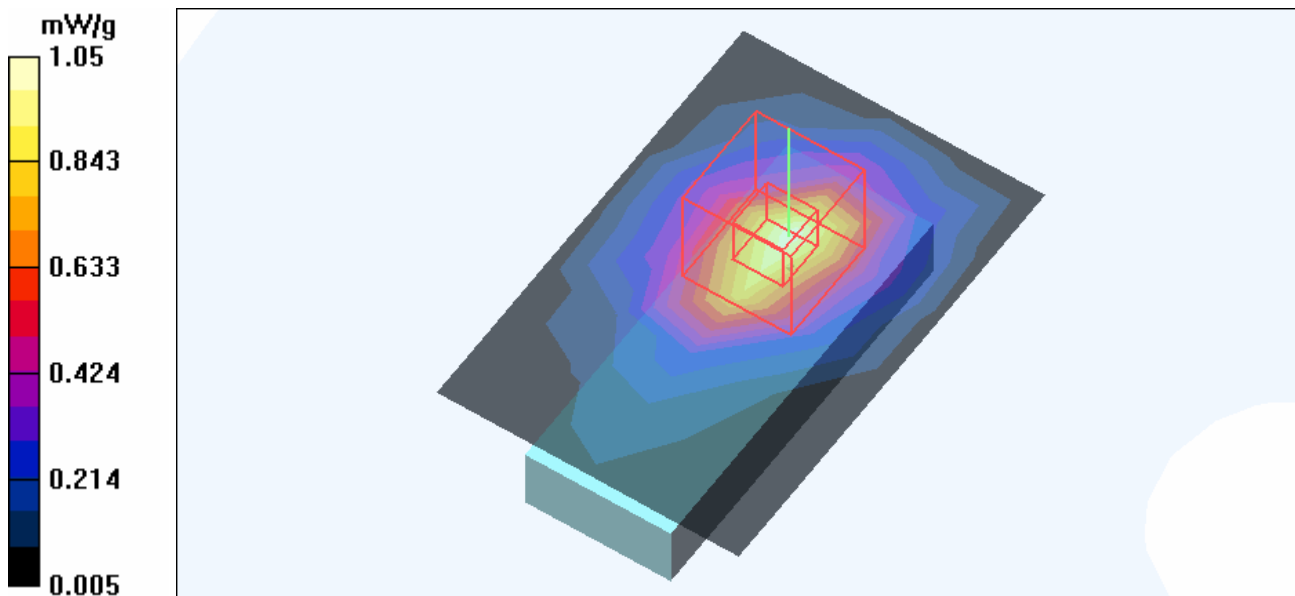
High Channel 11/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.6 V/m

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 0.875 mW/g; SAR(10 g) = 0.449 mW/g

Maximum value of SAR (measured) = 0.955 mW/g



Date/Time: 2006/7/13 17:21:49

Test Laboratory: Advance Data Technology

NC6000-11g-CH6-Mode 4

DUT: 802.11a/g Wireless USB Adapter ; Type: AG220 ; 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; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$

kg/m³ ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 3 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.7 degrees ; Liquid temp. : 21.5 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Mid Channel 6/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.933 mW/g

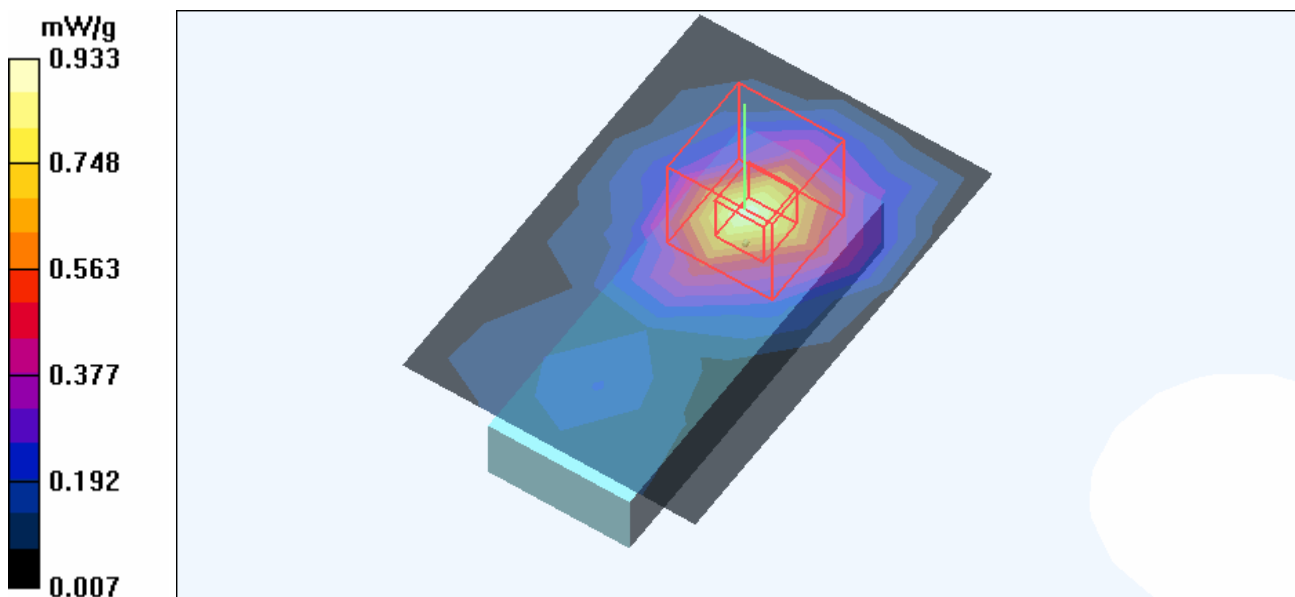
Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.4 V/m

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.826 mW/g; SAR(10 g) = 0.412 mW/g

Maximum value of SAR (measured) = 0.903 mW/g



Date/Time: 2006/7/13 17:53:33

Test Laboratory: Advance Data Technology

N800C-11b-CH11-Mode 5

DUT: 802.11a/g Wireless USB Adapter ; Type: AG220 ; Test Frequency: 2462 MHz

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.05$ mho/m; $\epsilon_r = 50.8$; $\rho = 1000$ kg/m³ ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 5 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.3 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

High Channel 11/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.860 mW/g

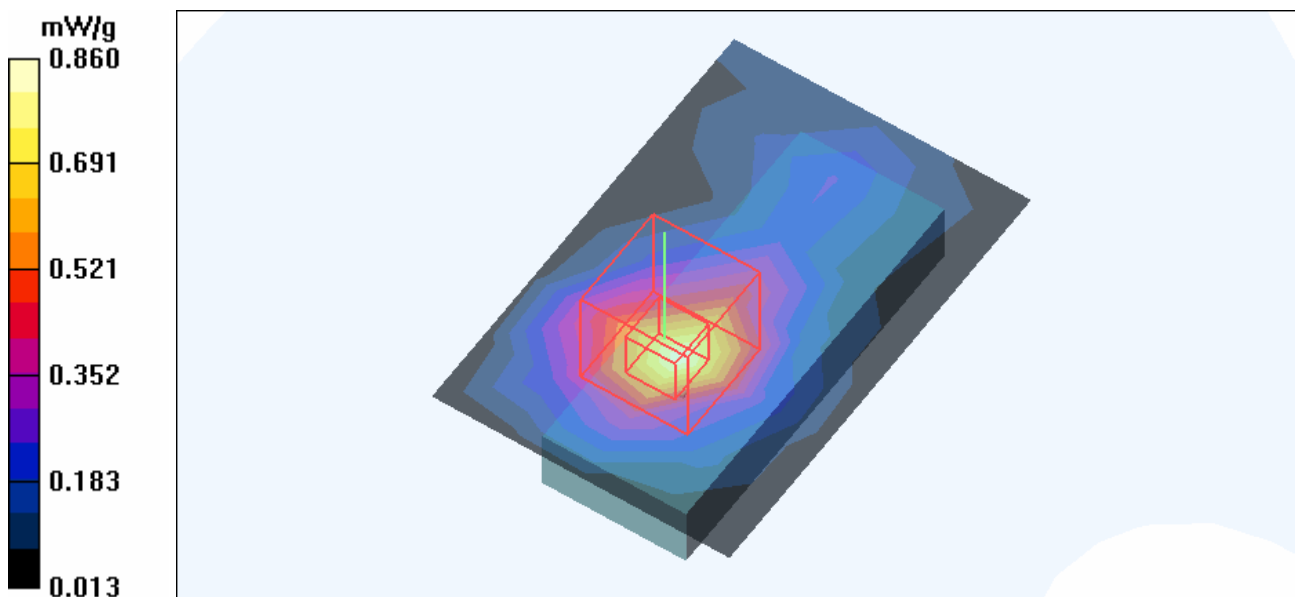
High Channel 11/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.2 V/m

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 0.784 mW/g; SAR(10 g) = 0.380 mW/g

Maximum value of SAR (measured) = 0.841 mW/g



Date/Time: 2006/7/13 18:11:02

Test Laboratory: Advance Data Technology

N800C-11g-CH6-Mode 6

DUT: 802.11a/g Wireless USB Adapter ; Type: AG220 ; 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; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$

kg/m³ ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 5 mm (The bottom side of the EUT to the Phantom)

Antenna type : Internal Antenna ; Air temp. : 22.7 degrees ; Liquid temp. : 21.5 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Mid Channel 6/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.710 mW/g

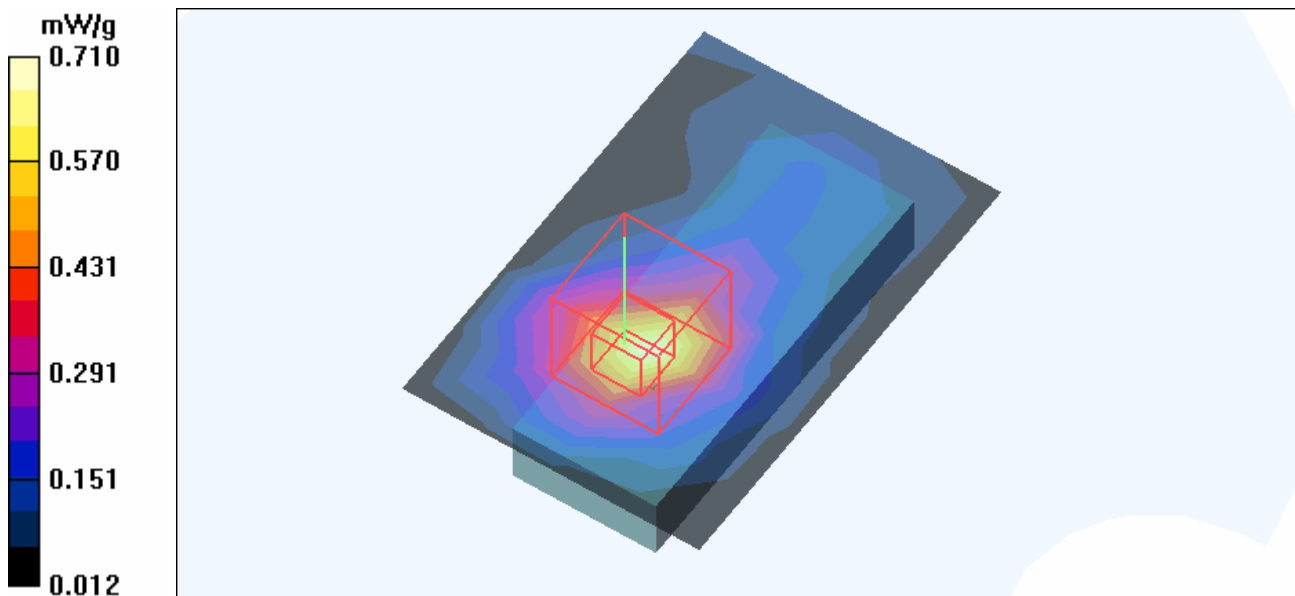
Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.8 V/m

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.550 mW/g; SAR(10 g) = 0.270 mW/g

Maximum value of SAR (measured) = 0.599 mW/g



Date/Time: 2006/7/13 19:40:09

Test Laboratory: Advance Data Technology

C600-11b-CH1-Mode 7

DUT: 802.11a/g Wireless USB Adapter ; Type: AG220 ; 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; $\sigma = 1.98$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³ ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 9 mm (The edge side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.3 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Low Channel 1/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.297 mW/g

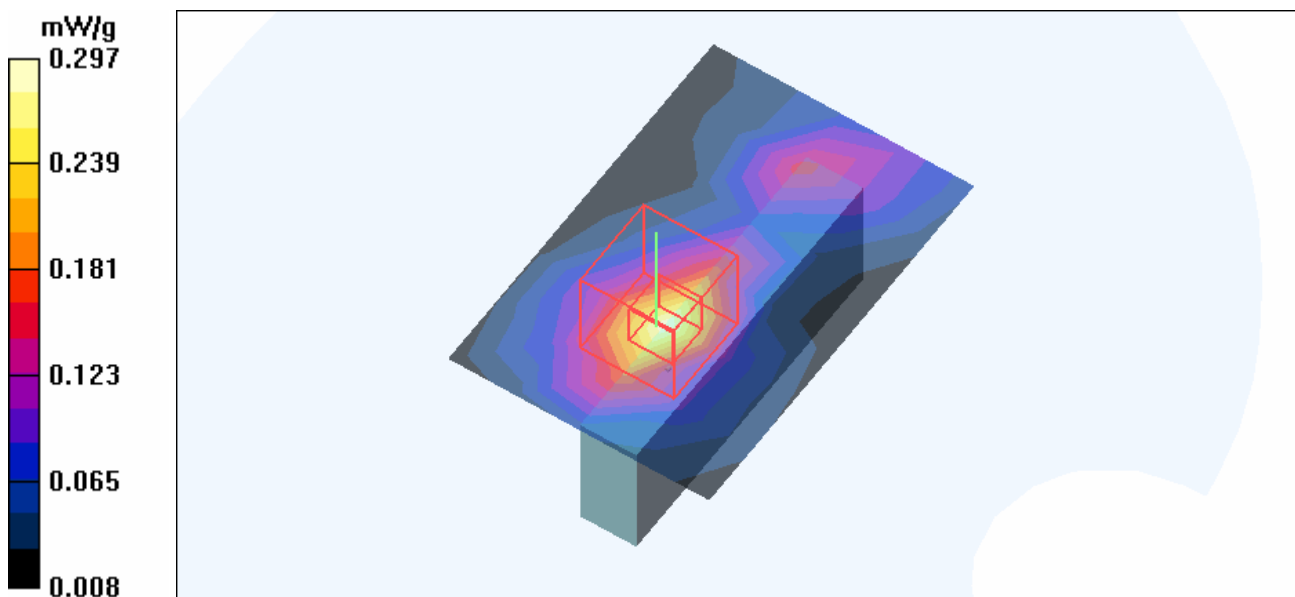
Low Channel 1/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.5 V/m

Peak SAR (extrapolated) = 0.436 W/kg

SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.108 mW/g

Maximum value of SAR (measured) = 0.232 mW/g



Date/Time: 2006/7/13 19:57:35

Test Laboratory: Advance Data Technology

C600-11b-CH6-Mode 7

DUT: 802.11a/g Wireless USB Adapter ; Type: AG220 ; 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; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³ ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 9 mm (The edge side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.3 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Mid Channel 6/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

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

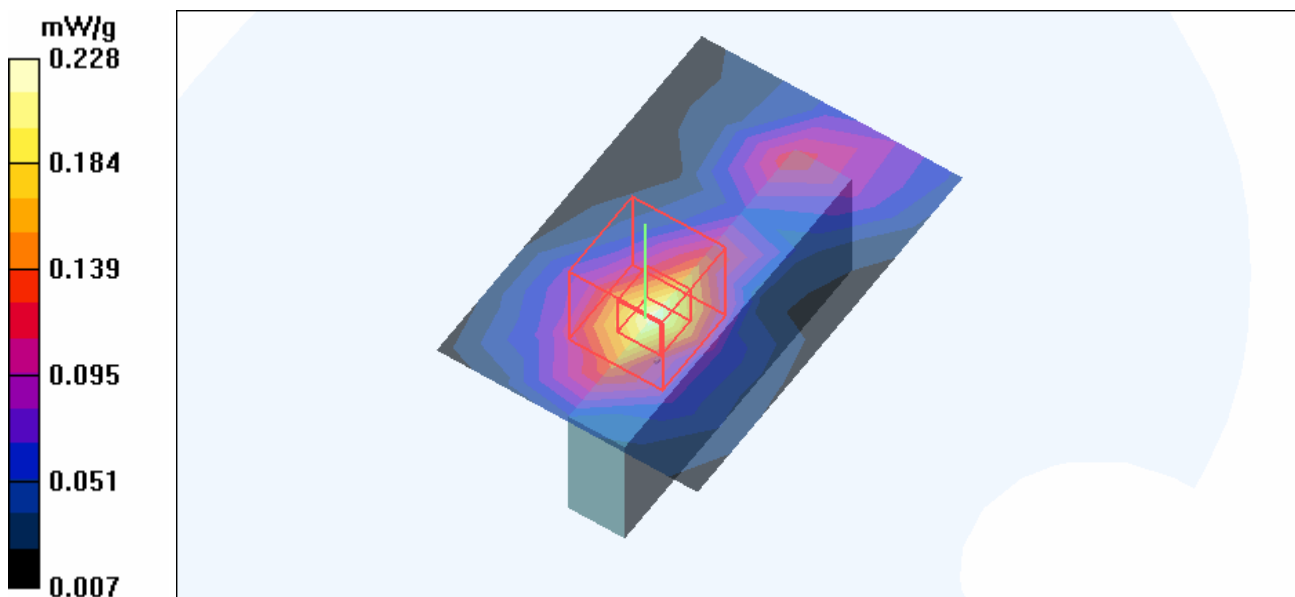
Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.2 V/m

Peak SAR (extrapolated) = 0.425 W/kg

SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.104 mW/g

Maximum value of SAR (measured) = 0.224 mW/g



Date/Time: 2006/7/13 20:12:15

Test Laboratory: Advance Data Technology

C600-11b-CH11-Mode 7

DUT: 802.11a/g Wireless USB Adapter ; Type: AG220 ; Test Frequency: 2462 MHz

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.05$ mho/m; $\epsilon_r = 50.8$; $\rho = 1000$ kg/m³ ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 9 mm (The edge side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.3 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

High Channel 11/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.249 mW/g

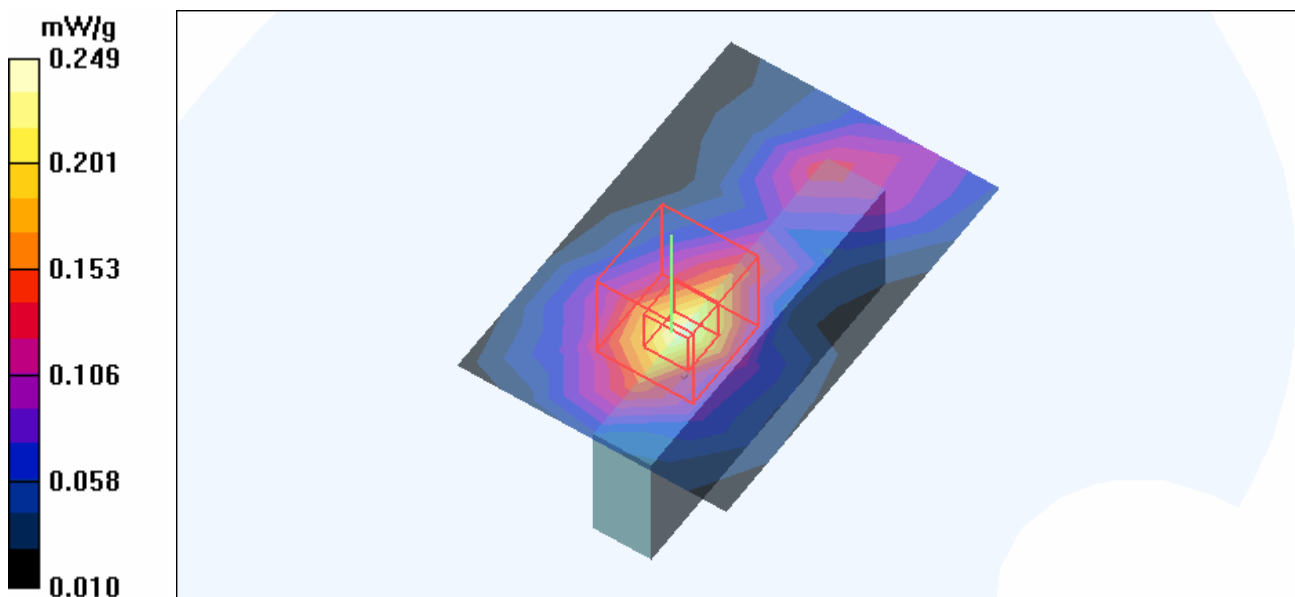
High Channel 11/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.5 V/m

Peak SAR (extrapolated) = 0.467 W/kg

SAR(1 g) = 0.225 mW/g; SAR(10 g) = 0.115 mW/g

Maximum value of SAR (measured) = 0.243 mW/g



Date/Time: 2006/7/13 20:28:48

Test Laboratory: Advance Data Technology

C600-11g-CH1-Mode 8

DUT: 802.11a/g Wireless USB Adapter ; Type: AG220 ; 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; $\sigma = 1.98$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³ ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 9 mm (The edge side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.3 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Low Channel 1/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.230 mW/g

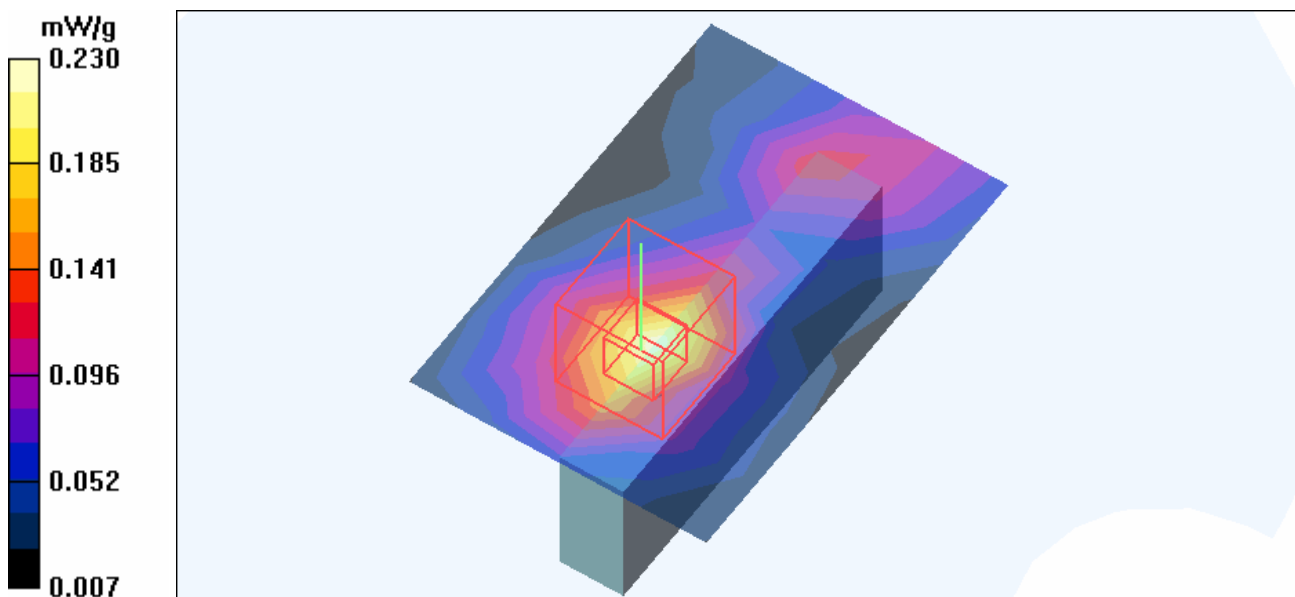
Low Channel 1/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.9 V/m

Peak SAR (extrapolated) = 0.362 W/kg

SAR(1 g) = 0.174 mW/g; SAR(10 g) = 0.089 mW/g

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



Date/Time: 2006/7/13 20:43:56

Test Laboratory: Advance Data Technology

C600-11g-CH6-Mode 8

DUT: 802.11a/g Wireless USB Adapter ; Type: AG220 ; 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; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³ ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 9 mm (The edge side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.3 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Mid Channel 6/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.195 mW/g

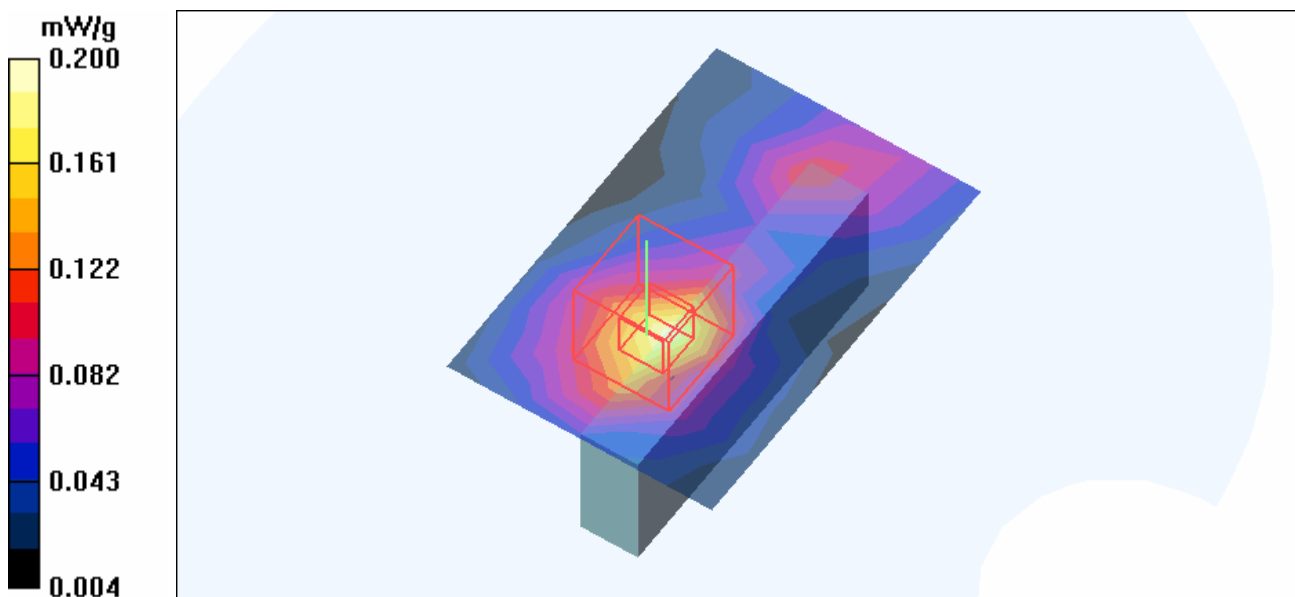
Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.3 V/m

Peak SAR (extrapolated) = 0.384 W/kg

SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.095 mW/g

Maximum value of SAR (measured) = 0.200 mW/g



Date/Time: 2006/7/13 20:58:57

Test Laboratory: Advance Data Technology

C600-11g-CH11-Mode 8

DUT: 802.11a/g Wireless USB Adapter ; Type: AG220 ; Test Frequency: 2462 MHz

Communication System: 802.11g ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.05$ mho/m; $\epsilon_r = 50.8$; $\rho = 1000$ kg/m³ ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 9 mm (The edge side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.1 degrees ; Liquid temp. : 21.3 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

High Channel 11/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.210 mW/g

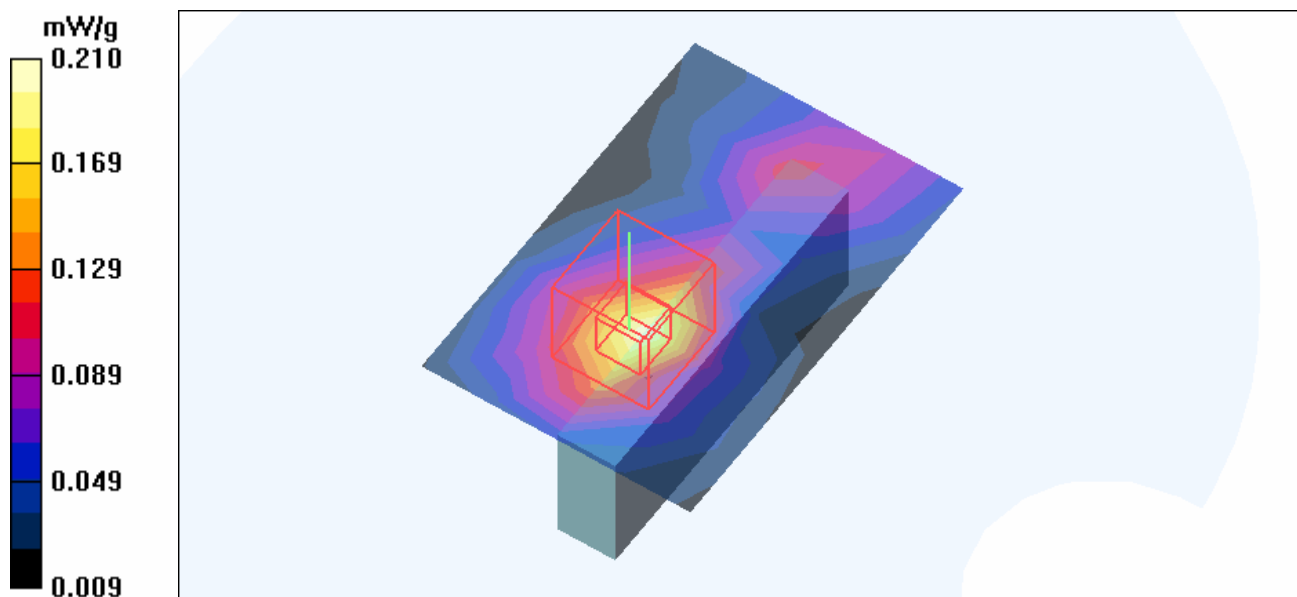
High Channel 11/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.6 V/m

Peak SAR (extrapolated) = 0.404 W/kg

SAR(1 g) = 0.190 mW/g; SAR(10 g) = 0.097 mW/g

Maximum value of SAR (measured) = 0.204 mW/g



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Test Laboratory: Advance Data Technology

D600-11a-CH36-Mode 9

DUT: 802.11a/g Wireless USB Adapter ; Type: AG-220 ; Test Frequency: 5180 MHz

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

Medium: MSL5800 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.18 \text{ mho/m}$; $\epsilon_r = 50.2$; $\rho = 1000$

kg/m^3 ; Liquid level : 150 mm

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

Antenna type : Printed Antenna ; Air temp. : 22.7 degrees ; Liquid temp. : 21.5 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.58, 4.58, 4.58) ; Calibrated: 2006/4/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Low Channel 36/Area Scan (6x10x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.571 mW/g

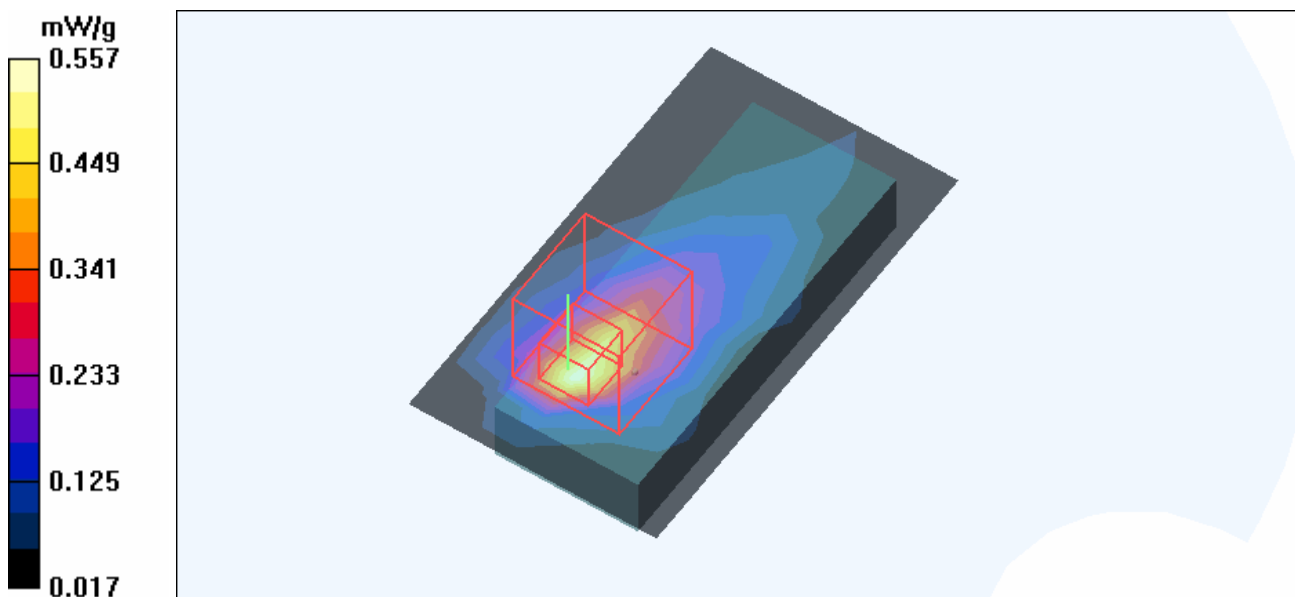
Low Channel 36/Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 9.37 V/m

Peak SAR (extrapolated) = 0.945 W/kg

SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.134 mW/g

Maximum value of SAR (measured) = 0.557 mW/g



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Test Laboratory: Advance Data Technology

D600-11a-CH48-Mode 9

DUT: 802.11a/g Wireless USB Adapter ; Type: AG-220 ; 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; $\sigma = 5.25$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$

kg/m³ ; Liquid level : 150 mm

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

Antenna type : Printed Antenna ; Air temp. : 22.7 degrees ; Liquid temp. : 21.5 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.58, 4.58, 4.58) ; Calibrated: 2006/4/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Mid Channel 48/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.652 mW/g

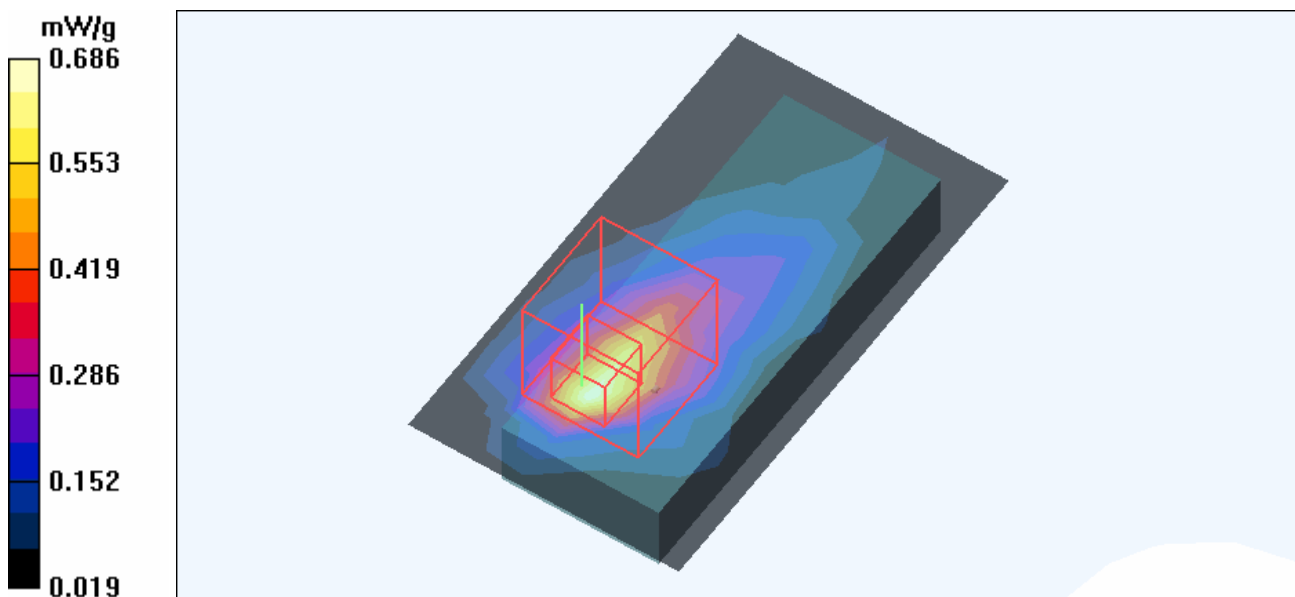
Mid Channel 48/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 8.26 V/m

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.416 mW/g; SAR(10 g) = 0.168 mW/g

Maximum value of SAR (measured) = 0.686 mW/g



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Test Laboratory: Advance Data Technology

D600-11a-CH52-Mode 9

DUT: 802.11a/g Wireless USB Adapter ; Type: AG-220 ; Test Frequency: 5260 MHz

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

Medium: MSL5800 Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 5.28 \text{ mho/m}$; $\epsilon_r = 50$; $\rho = 1000$

kg/m^3 ; Liquid level : 150 mm

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

Antenna type : Printed Antenna ; Air temp. : 22.7 degrees ; Liquid temp. : 21.5 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.23, 4.23, 4.23) ; Calibrated: 2006/4/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Mid Channel 52/Area Scan (6x10x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.836 mW/g

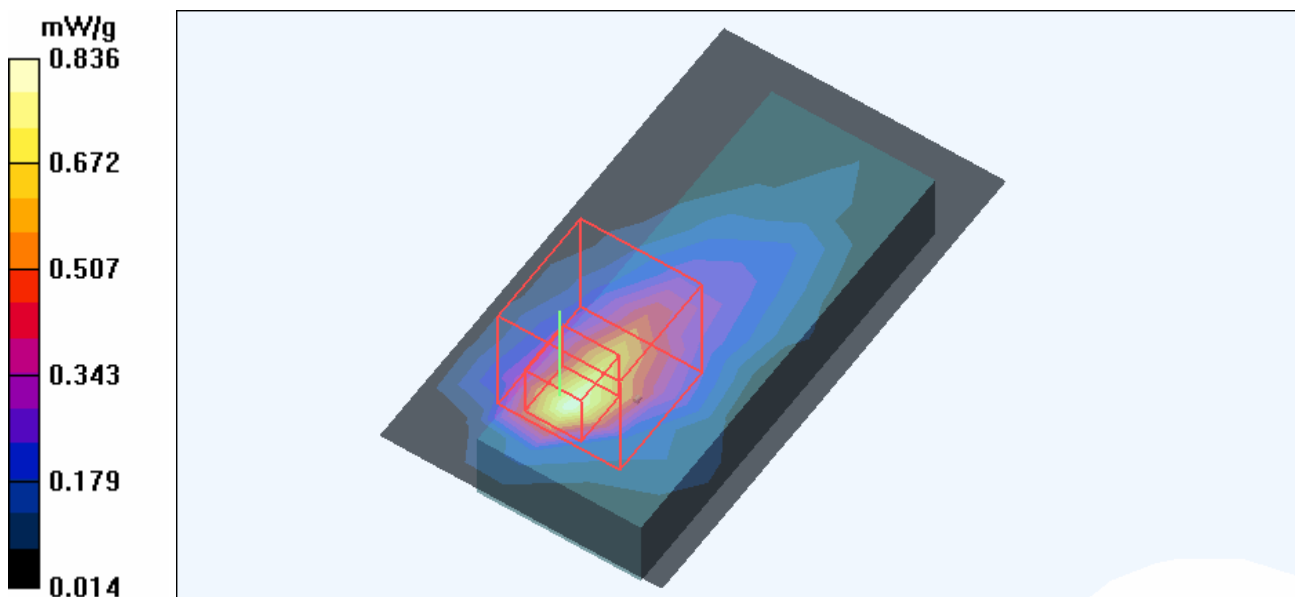
Mid Channel 52/Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 9.39 V/m

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.479 mW/g; SAR(10 g) = 0.192 mW/g

Maximum value of SAR (measured) = 0.795 mW/g



Date/Time: 2006/7/14 14:23:42

Test Laboratory: Advance Data Technology

D600-11a-CH64-Mode 9

DUT: 802.11a/g Wireless USB Adapter ; Type: AG-220 ; 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; $\sigma = 5.41$ mho/m; $\epsilon_r = 50$; $\rho = 1000$

kg/m³ ; Liquid level : 150 mm

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

Antenna type : Printed Antenna ; Air temp. : 22.7 degrees ; Liquid temp. : 21.5 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.23, 4.23, 4.23) ; Calibrated: 2006/4/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Mid Channel 64/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.677 mW/g

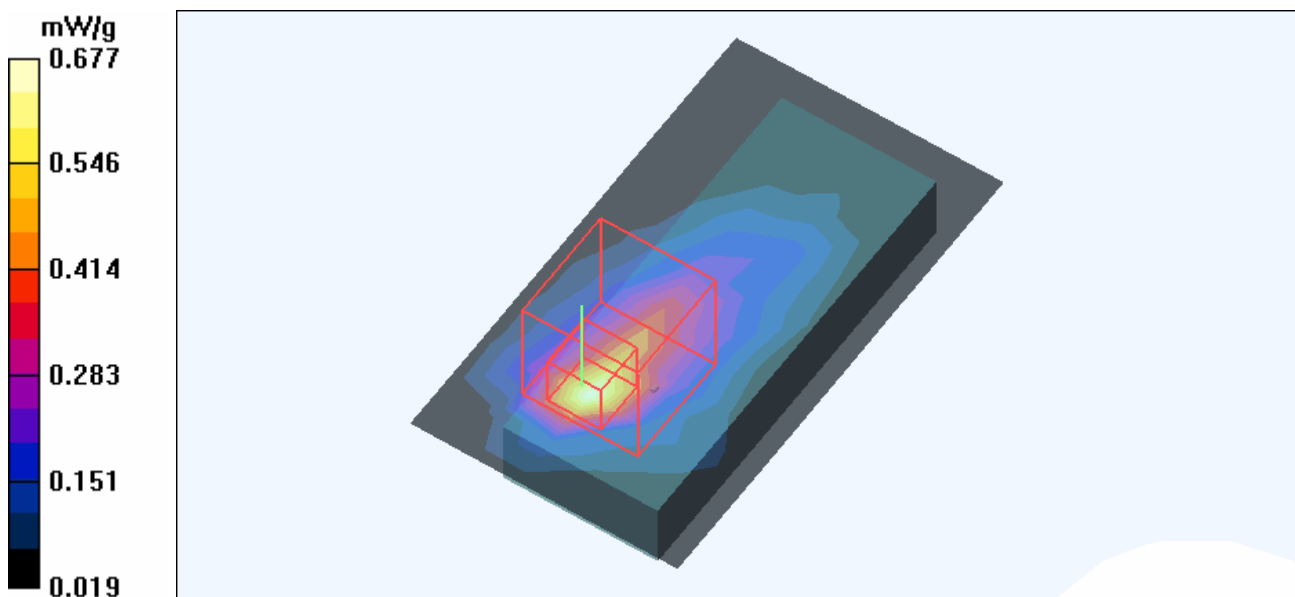
Mid Channel 64/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 8.65 V/m

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.166 mW/g

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



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Test Laboratory: Advance Data Technology

D600-11a-CH149-Mode 9

DUT: 802.11a/g Wireless USB Adapter ; Type: AG-220 ; Test Frequency: 5745 MHz

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
 Medium: MSL5800 Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 6.08 \text{ mho/m}$; $\epsilon_r = 48.9$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 150 mm
 Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
 Antenna type : Printed Antenna ; Air temp. : 22.7 degrees ; Liquid temp. : 21.5 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.34, 4.34, 4.34) ; Calibrated: 2006/4/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Mid Channel 149/Area Scan (6x10x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.883 mW/g

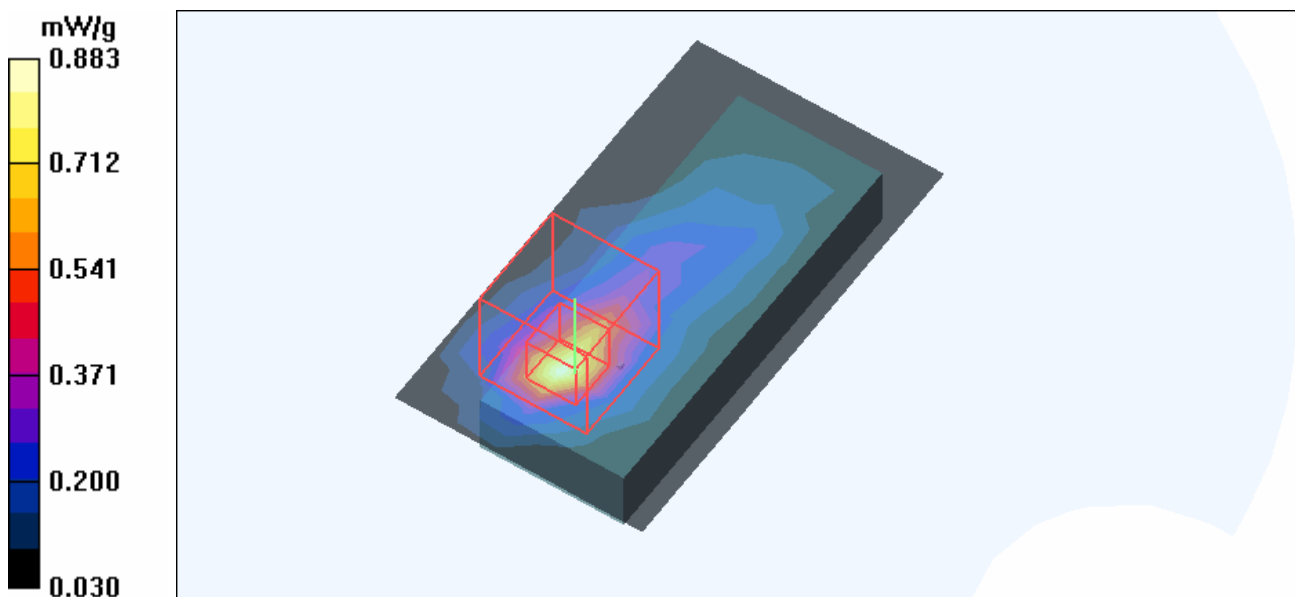
Mid Channel 149/Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 6.68 V/m

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.511 mW/g; SAR(10 g) = 0.185 mW/g

Maximum value of SAR (measured) = 0.804 mW/g



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Test Laboratory: Advance Data Technology

D600-11a-CH157-Mode 9

DUT: 802.11a/g Wireless USB Adapter ; Type: AG-220 ; Test Frequency: 5785 MHz

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

Medium: MSL5800 Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 6.13 \text{ mho/m}$; $\epsilon_r = 48.9$; $\rho = 1000$

kg/m^3 ; Liquid level : 150 mm

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

Antenna type : Printed Antenna ; Air temp. : 22.7 degrees ; Liquid temp. : 21.5 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.34, 4.34, 4.34) ; Calibrated: 2006/4/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Mid Channel 157/Area Scan (6x10x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.705 mW/g

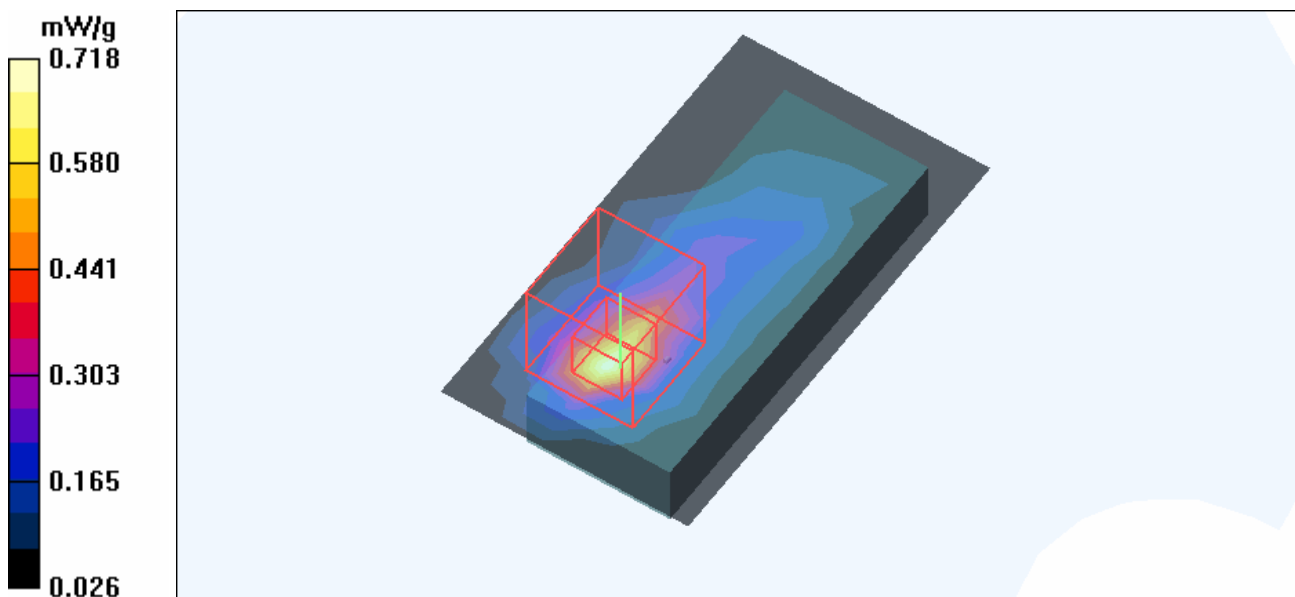
Mid Channel 157/Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 6.64 V/m

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.428 mW/g; SAR(10 g) = 0.156 mW/g

Maximum value of SAR (measured) = 0.718 mW/g



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Test Laboratory: Advance Data Technology

D600-11a-CH161-Mode 9

DUT: 802.11a/g Wireless USB Adapter ; Type: AG-220 ; Test Frequency: 5805 MHz

Communication System: 802.11a ; Frequency: 5805 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5805 \text{ MHz}$; $\sigma = 6.15 \text{ mho/m}$; $\epsilon_r = 48.9$; $\rho = 1000$

kg/m^3 ; Liquid level : 150 mm

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

Antenna type : Printed Antenna ; Air temp. : 22.7 degrees ; Liquid temp. : 21.5 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.34, 4.34, 4.34) ; Calibrated: 2006/4/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

High Channel 161/Area Scan (6x10x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.866 mW/g

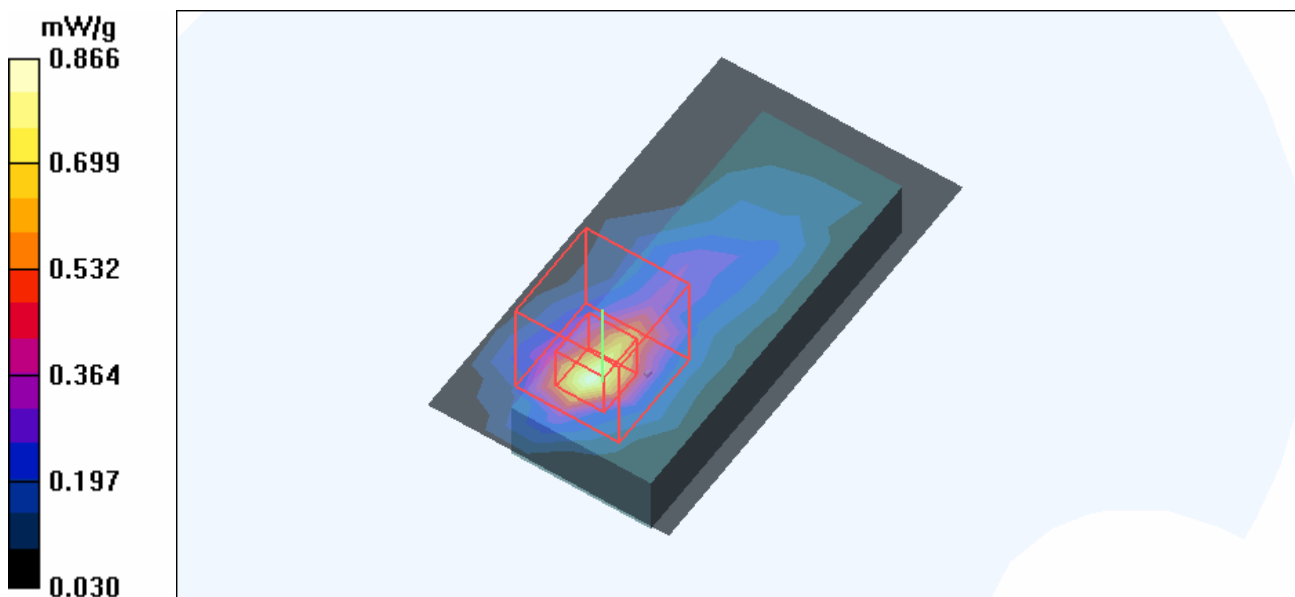
High Channel 161/Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

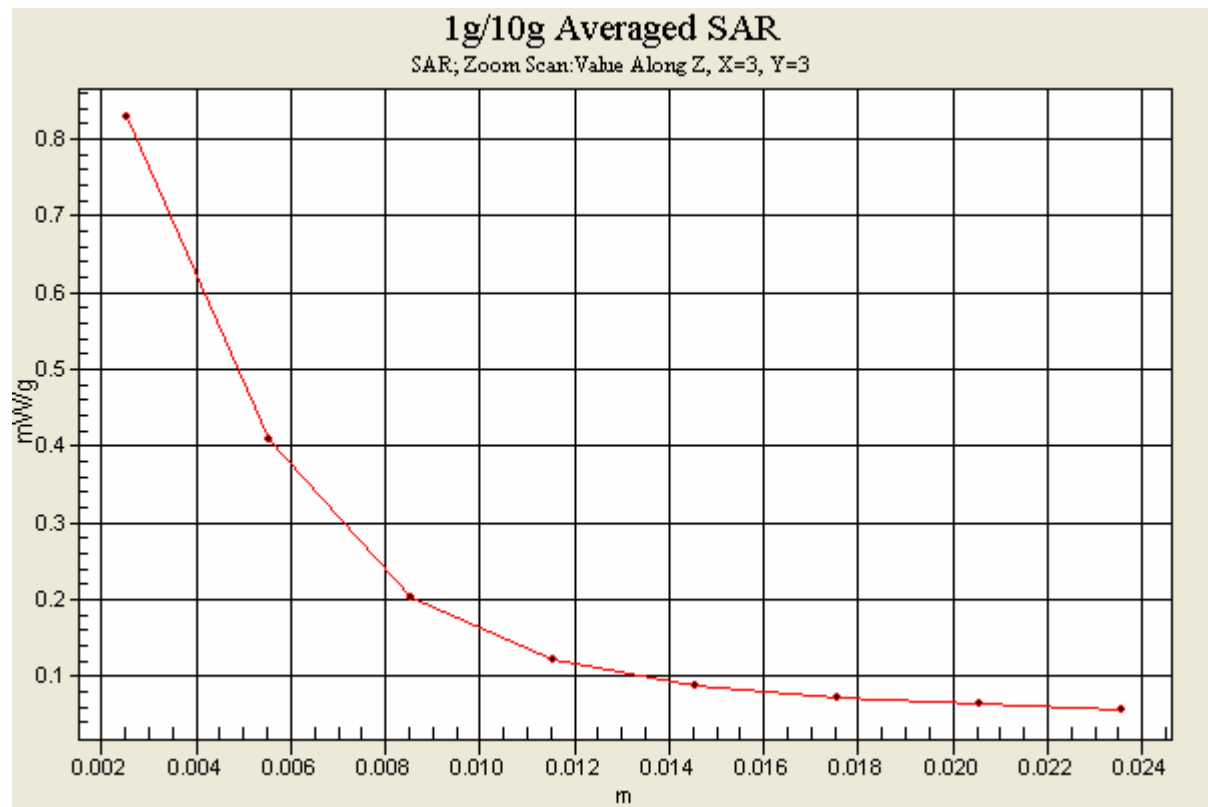
Reference Value = 6.44 V/m

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 0.518 mW/g; SAR(10 g) = 0.185 mW/g

Maximum value of SAR (measured) = 0.828 mW/g





Date/Time: 2006/7/14 15:50:07

Test Laboratory: Advance Data Technology

NC6000-11a-CH161-Mode 10

DUT: 802.11a/g Wireless USB Adapter ; Type: AG-220 ; Test Frequency: 5805 MHz

Communication System: 802.11a ; Frequency: 5805 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5805$ MHz; $\sigma = 6.15$ mho/m; $\epsilon_r = 48.9$; $\rho = 1000$

kg/m³ ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 3 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.7 degrees ; Liquid temp. : 21.5 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.34, 4.34, 4.34) ; Calibrated: 2006/4/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

High Channel 161/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.352 mW/g

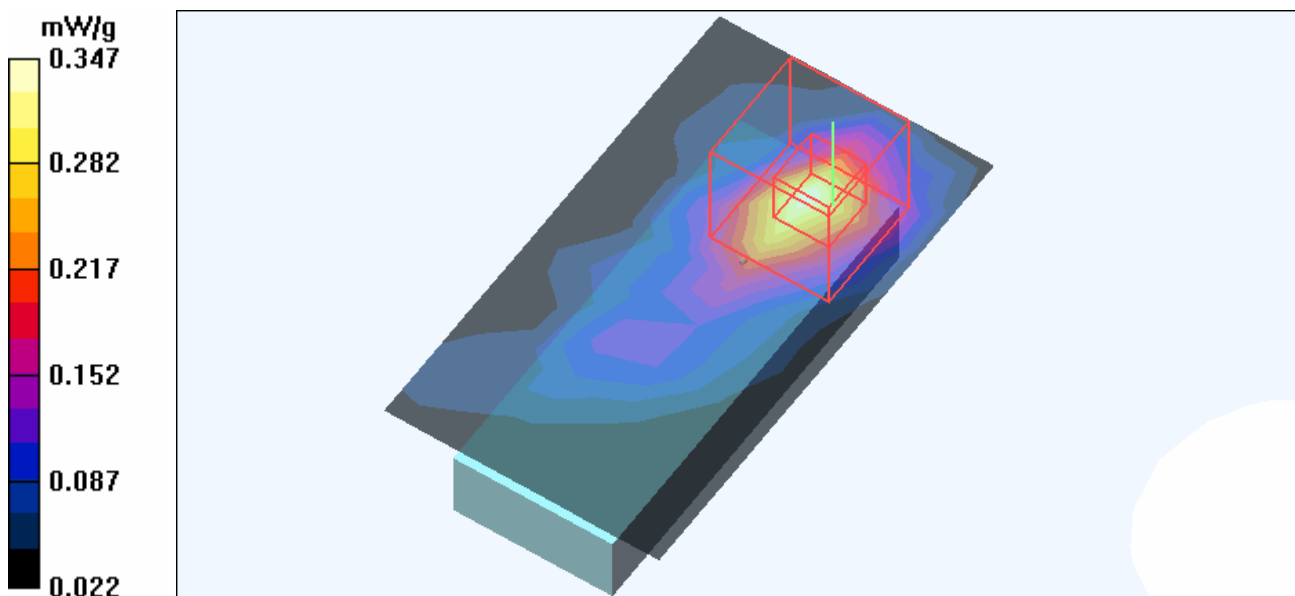
High Channel 161/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 4.97 V/m

Peak SAR (extrapolated) = 0.619 W/kg

SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.095 mW/g

Maximum value of SAR (measured) = 0.347 mW/g



Date/Time: 2006/7/14 16:25:44

Test Laboratory: Advance Data Technology

N800C-11a-CH161-Mode 11

DUT: 802.11a/g Wireless USB Adapter ; Type: AG-220 ; Test Frequency: 5805 MHz

Communication System: 802.11a ; Frequency: 5805 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5805$ MHz; $\sigma = 6.15$ mho/m; $\epsilon_r = 48.9$; $\rho = 1000$

kg/m³ ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 5 mm (The bottom side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.7 degrees ; Liquid temp. : 21.5 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.34, 4.34, 4.34) ; Calibrated: 2006/4/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

High Channel 161/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.218 mW/g

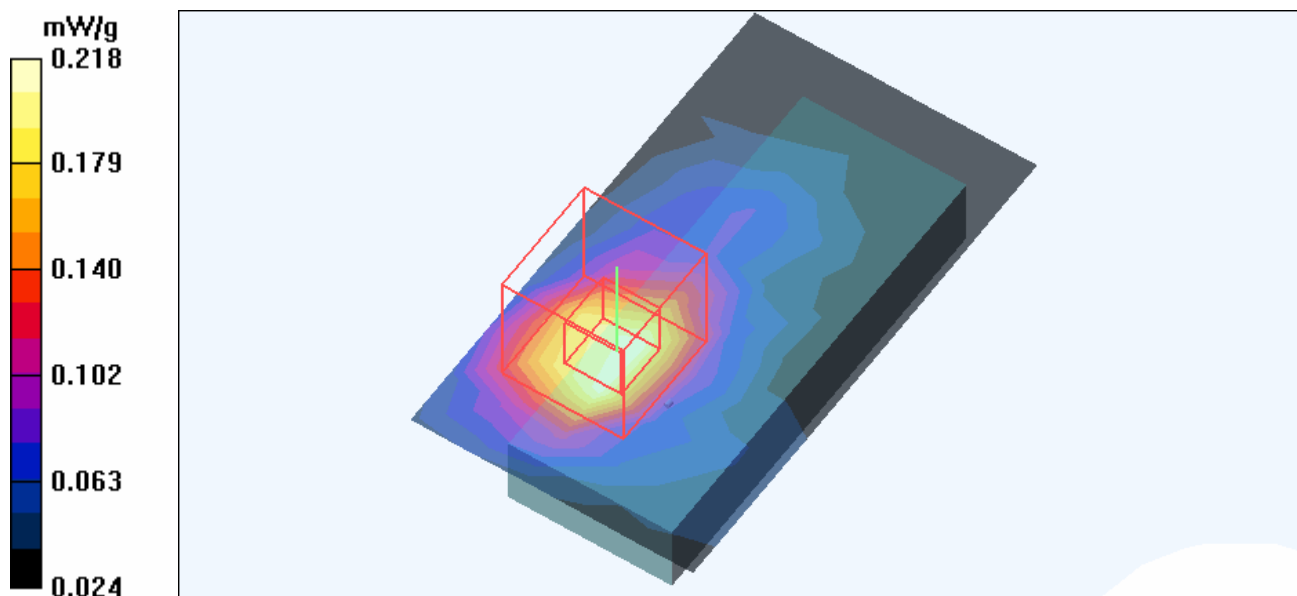
High Channel 161/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 4.78 V/m

Peak SAR (extrapolated) = 0.324 W/kg

SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.068 mW/g

Maximum value of SAR (measured) = 0.196 mW/g



Date/Time: 2006/7/14 16:56:03

Test Laboratory: Advance Data Technology

C600-11a-CH36-Mode 12

DUT: 802.11a/g Wireless USB Adapter ; Type: AG-220 ; 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; $\sigma = 5.18$ mho/m; $\epsilon_r = 50.2$; $\rho = 1000$ kg/m³ ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 9 mm (The edge side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.7 degrees ; Liquid temp. : 21.5 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.58, 4.58, 4.58) ; Calibrated: 2006/4/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Low Channel 36/Area Scan (6x12x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.043 mW/g

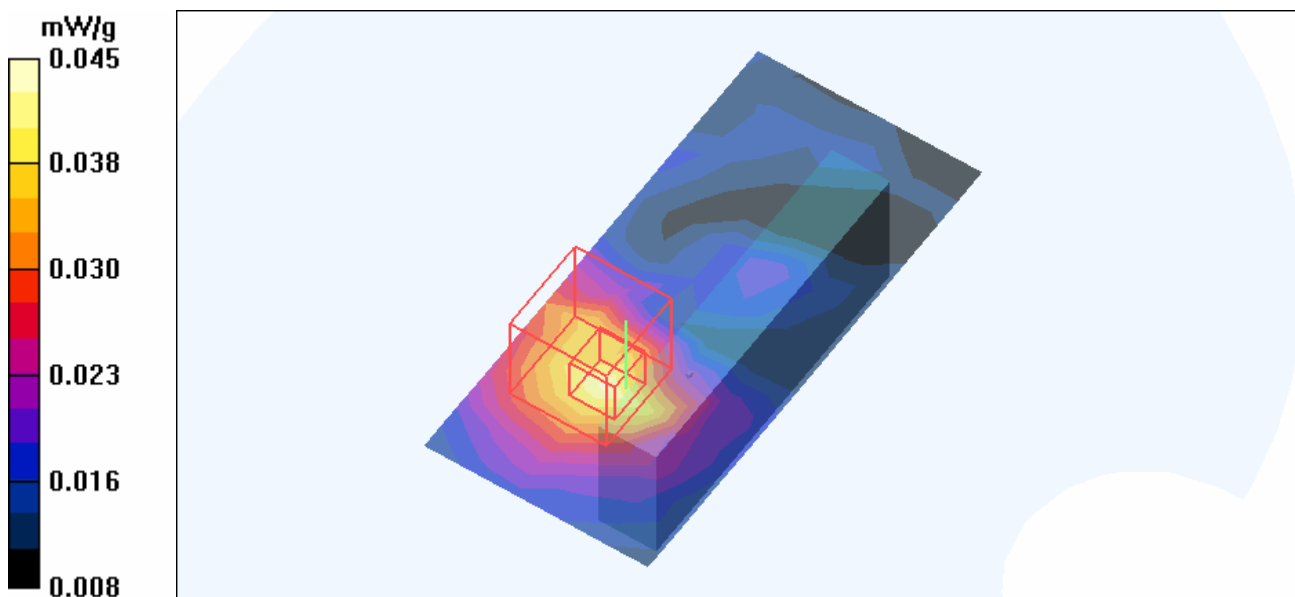
Low Channel 36/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.47 V/m

Peak SAR (extrapolated) = 0.138 W/kg

SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.045 mW/g



Date/Time: 2006/7/14 17:19:09

Test Laboratory: Advance Data Technology

C600-11a-CH48-Mode 12

DUT: 802.11a/g Wireless USB Adapter ; Type: AG-220 ; 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; $\sigma = 5.25$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³ ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 9 mm (The edge side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.7 degrees ; Liquid temp. : 21.5 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.58, 4.58, 4.58) ; Calibrated: 2006/4/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Mid Channel 48/Area Scan (6x12x1): Measurement grid: dx=10mm, dy=10mm

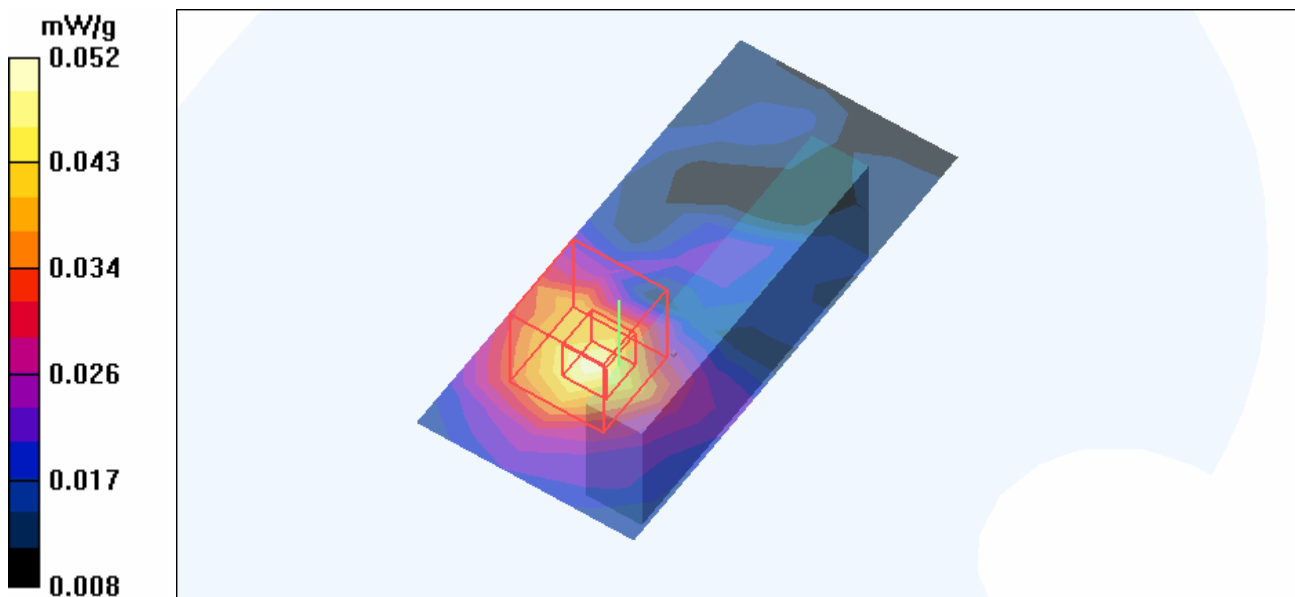
Maximum value of SAR (measured) = 0.052 mW/g

Mid Channel 48/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.56 V/m

Peak SAR (extrapolated) = 0.099 W/kg

SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.021 mW/g



Date/Time: 2006/7/14 17:42:05

Test Laboratory: Advance Data Technology

C600-11a-CH52-Mode 12

DUT: 802.11a/g Wireless USB Adapter ; Type: AG-220 ; Test Frequency: 5260 MHz

Communication System: 802.11a ; Frequency: 5260 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 5.28 \text{ mho/m}$; $\epsilon_r = 50$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 9 mm (The edge side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.7 degrees ; Liquid temp. : 21.5 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.23, 4.23, 4.23) ; Calibrated: 2006/4/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Mid Channel 52/Area Scan (6x12x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.058 mW/g

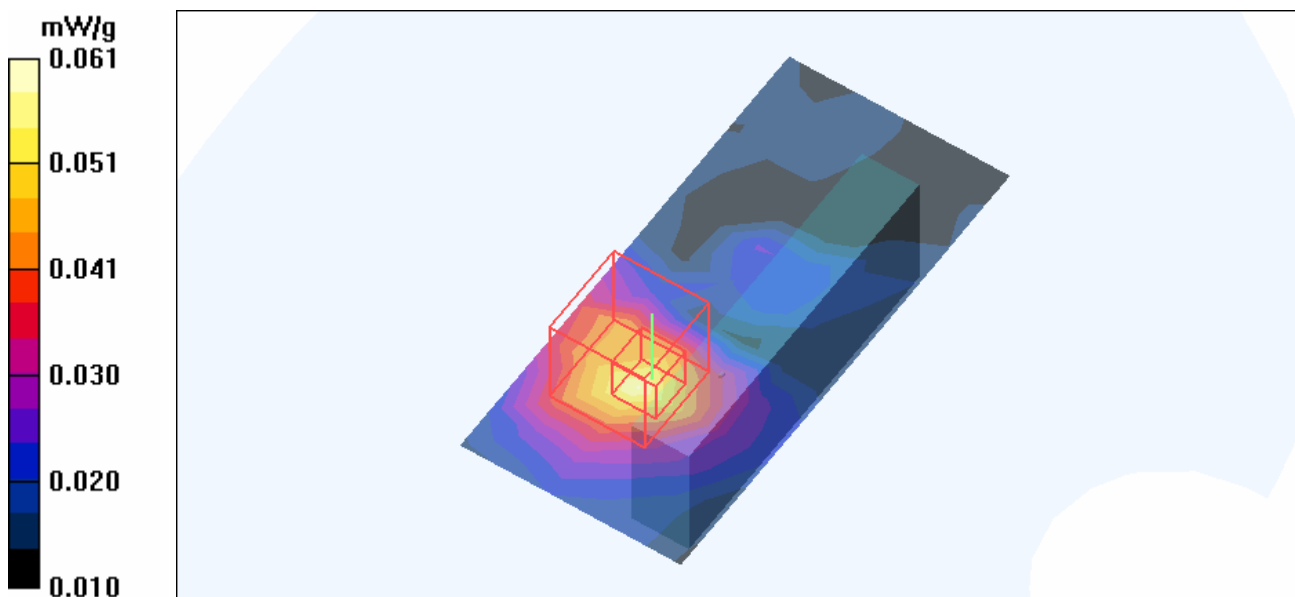
Mid Channel 52/Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 1.68 V/m

Peak SAR (extrapolated) = 0.130 W/kg

SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.025 mW/g

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



Date/Time: 2006/7/14 18:04:54

Test Laboratory: Advance Data Technology

C600-11a-CH64-Mode 12

DUT: 802.11a/g Wireless USB Adapter ; Type: AG-220 ; 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; $\sigma = 5.41$ mho/m; $\epsilon_r = 50$; $\rho = 1000$ kg/m³ ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 9 mm (The edge side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.7 degrees ; Liquid temp. : 21.5 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.23, 4.23, 4.23) ; Calibrated: 2006/4/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Mid Channel 64/Area Scan (6x12x1): Measurement grid: dx=10mm, dy=10mm

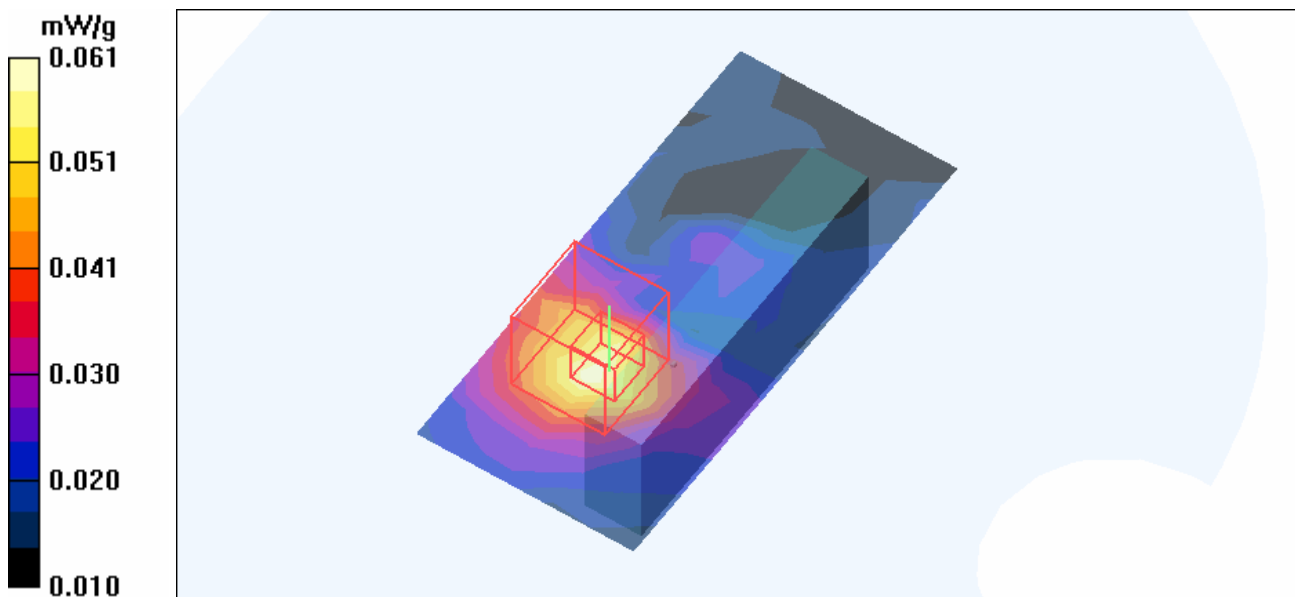
Maximum value of SAR (measured) = 0.061 mW/g

Mid Channel 64/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.82 V/m

Peak SAR (extrapolated) = 0.120 W/kg

SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.025 mW/g



Date/Time: 2006/7/14 18:42:45

Test Laboratory: Advance Data Technology

C600-11a-CH149-Mode 12

DUT: 802.11a/g Wireless USB Adapter ; Type: AG-220 ; Test Frequency: 5745 MHz

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 6.08 \text{ mho/m}$; $\epsilon_r = 48.9$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 9 mm (The edge side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.7 degrees ; Liquid temp. : 21.5 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.34, 4.34, 4.34) ; Calibrated: 2006/4/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Mid Channel 149/Area Scan (6x12x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.036 mW/g

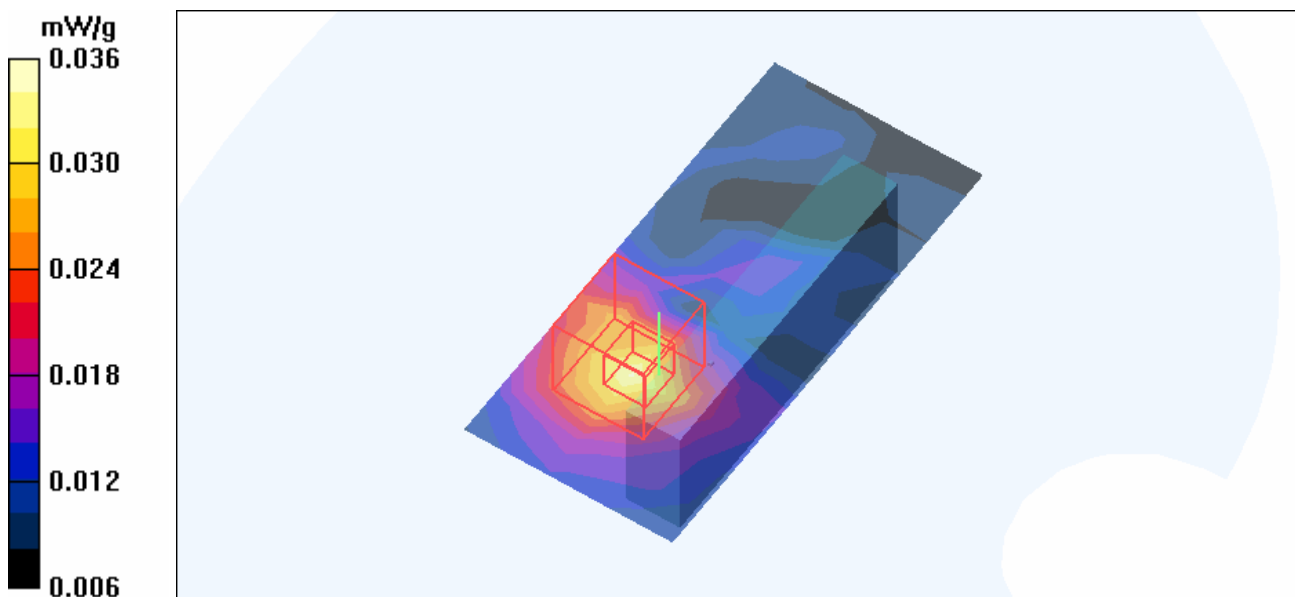
Mid Channel 149/Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 1.55 V/m

Peak SAR (extrapolated) = 0.110 W/kg

SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.035 mW/g



Date/Time: 2006/7/14 19:09:31

Test Laboratory: Advance Data Technology

C600-11a-CH157-Mode 12

DUT: 802.11a/g Wireless USB Adapter ; Type: AG-220 ; Test Frequency: 5785 MHz

Communication System: 802.11a ; Frequency: 5785 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 6.13 \text{ mho/m}$; $\epsilon_r = 48.9$; $\rho = 1000 \text{ kg/m}^3$; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 9 mm (The edge side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.7 degrees ; Liquid temp. : 21.5 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.34, 4.34, 4.34) ; Calibrated: 2006/4/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

Mid Channel 157/Area Scan (6x12x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.035 mW/g

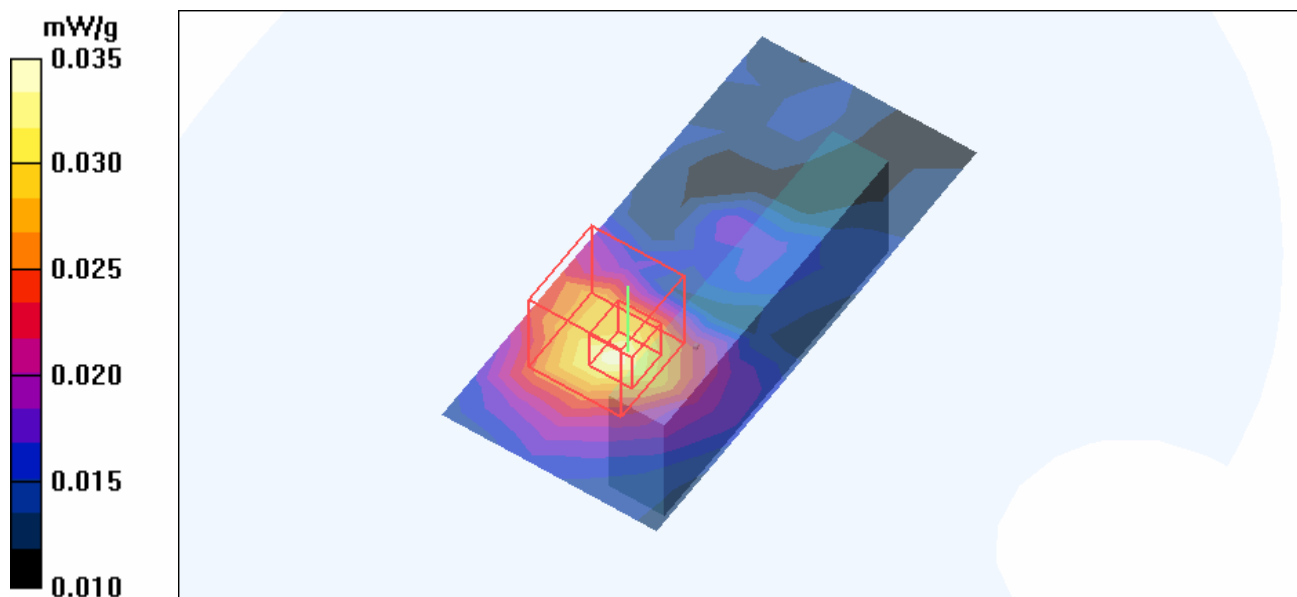
Mid Channel 157/Zoom Scan (8x8x8)/Cube 1: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 1.67 V/m

Peak SAR (extrapolated) = 0.102 W/kg

SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.016 mW/g

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



Date/Time: 2006/7/14 19:48:44

Test Laboratory: Advance Data Technology

C600-11a-CH161-Mode 12

DUT: 802.11a/g Wireless USB Adapter ; Type: AG-220 ; Test Frequency: 5805 MHz

Communication System: 802.11a ; Frequency: 5805 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $f = 5805$ MHz; $\sigma = 6.15$ mho/m; $\epsilon_r = 48.9$; $\rho = 1000$ kg/m³ ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 9 mm (The edge side of the EUT to the Phantom)

Antenna type : Printed Antenna ; Air temp. : 22.7 degrees ; Liquid temp. : 21.5 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.34, 4.34, 4.34) ; Calibrated: 2006/4/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

High Channel 161/Area Scan (6x12x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.025 mW/g

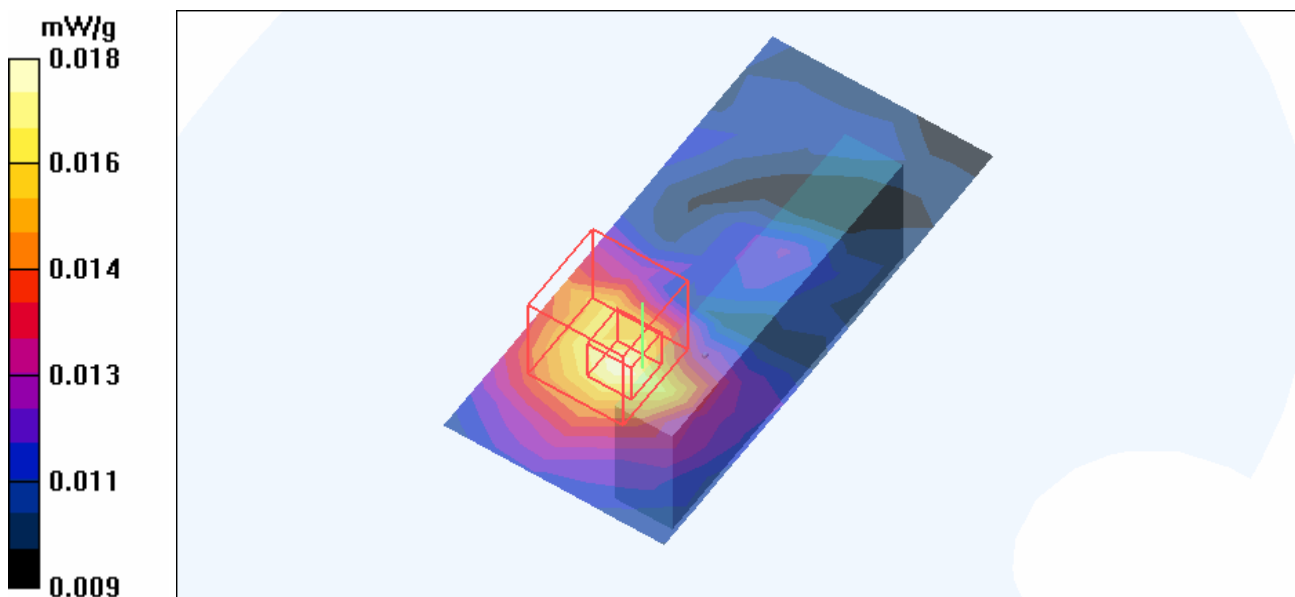
High Channel 161/Zoom Scan (8x8x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.73 V/m

Peak SAR (extrapolated) = 0.036 W/kg

SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.014 mW/g

Maximum value of SAR (measured) = 0.018 mW/g



Date/Time: 2006/7/13 14:28:22

Test Laboratory: Advance Data Technology

System Validation Check-MSL 2450MHz

DUT: Dipole 2450 MHz ; Type: D2450V2 ; Serial: 716 ; 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; $\sigma = 2.04$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³ ; Liquid level : 151 mm
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 22.1 degrees ; Liquid temp. : 21.3 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

d=10mm, Pin=250mW/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 14.9 mW/g

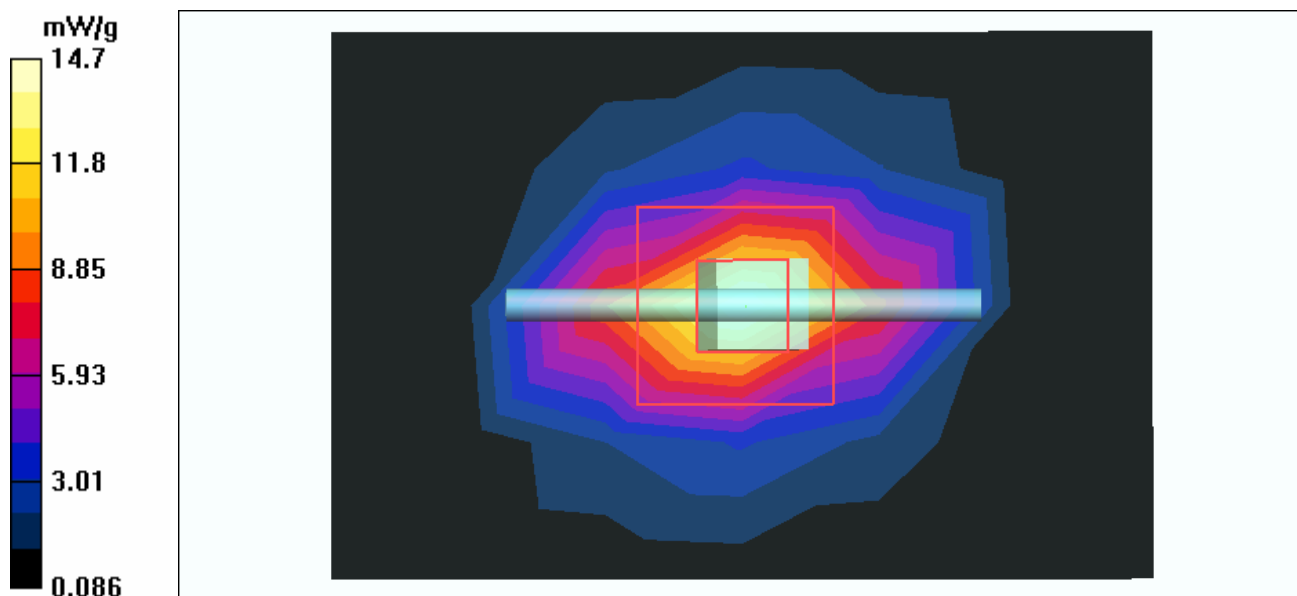
d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 89.2 V/m; Power Drift = -0.114 dB

Peak SAR (extrapolated) = 29.0 W/kg

SAR(1 g) = 13.1 mW/g; SAR(10 g) = 6.04 mW/g

Maximum value of SAR (measured) = 14.7 mW/g



Date/Time: 2006/7/14 10:33:54

Test Laboratory: Advance Data Technology

System Validation Check-MSL 5GHz

DUT: Dipole 5 GHz ; Type: D5GHzV2 ; Serial: 1018 ; 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; $\sigma = 5.21$ mho/m; $\epsilon_r = 50.2$; $\rho = 1000$ kg/m³ ; Liquid level : 150 mm
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 22.7 degrees ; Liquid temp. : 21.5 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.58, 4.58, 4.58) ; Calibrated: 2006/4/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

f=5200, d=10mm, Pin=250mW/Area Scan (6x6x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 25.6 mW/g

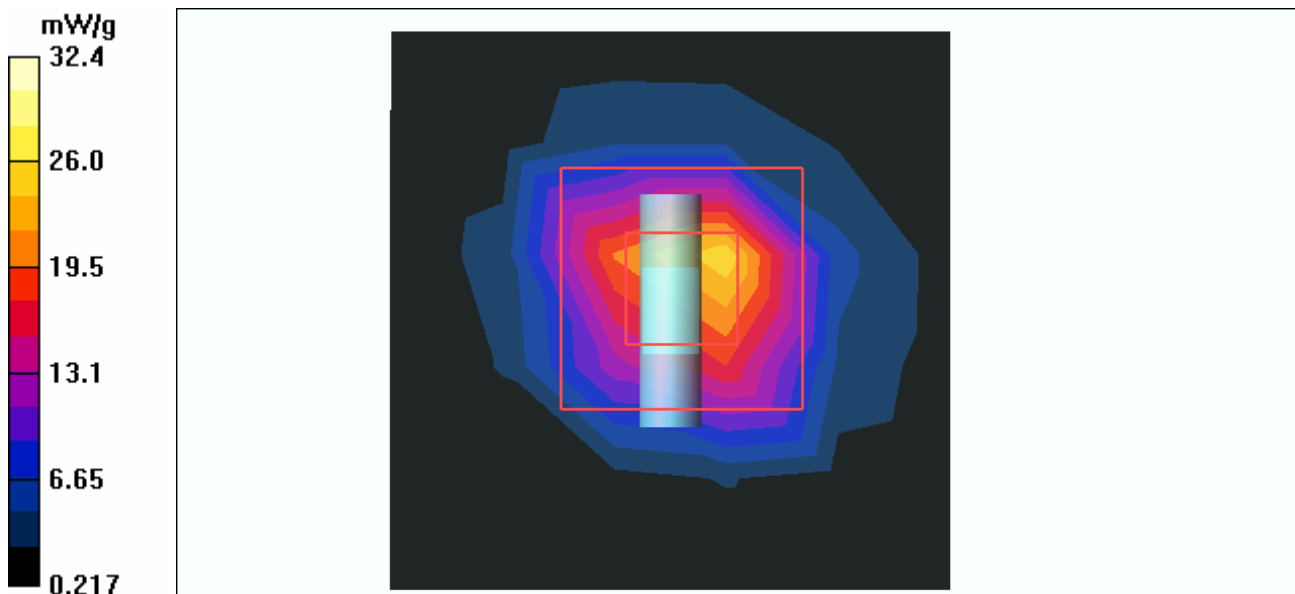
f=5200, d=10mm, Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 78.8 V/m; Power Drift = -0.054 dB

Peak SAR (extrapolated) = 58.9 W/kg

SAR(1 g) = 19.7 mW/g; SAR(10 g) = 6.07 mW/g

Maximum value of SAR (measured) = 32.4 mW/g



Date/Time: 2006/7/14 11:05:10

Test Laboratory: Advance Data Technology

System Validation Check-MSL 5GHz

DUT: Dipole 5 GHz ; Type: D5GHzV2 ; Serial: 1018 ; Test Frequency: 5500 MHz

Communication System: CW ; Frequency: 5500 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: MSL5800; Medium parameters used: $f = 5500$ MHz; $\sigma = 5.67$ mho/m; $\epsilon_r = 49.4$; $\rho = 1000$ kg/m³ ; Liquid level : 150 mm
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)
 Air temp. : 23.1 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.23, 4.23, 4.23) ; Calibrated: 2006/4/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

f=5500, d=10mm, Pin=250mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 31.9 mW/g

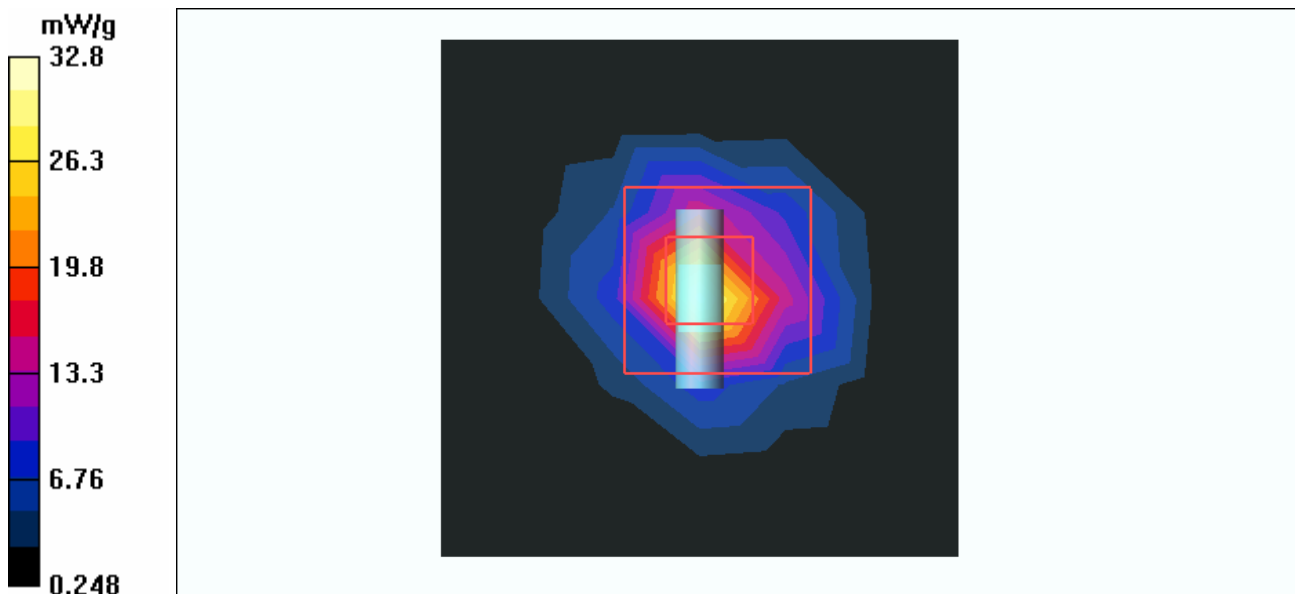
f=5500, d=10mm, Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 77.3 V/m; Power Drift = -0.104 dB

Peak SAR (extrapolated) = 66.2 W/kg

SAR(1 g) = 19.8 mW/g; SAR(10 g) = 6.05 mW/g

Maximum value of SAR (measured) = 32.8 mW/g



Date/Time: 2006/7/14 11:32:35

Test Laboratory: Advance Data Technology

System Validation Check-MSL 5GHz

DUT: Dipole 5 GHz ; Type: D5GHzV2 ; Serial: 1018 ; 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; $\sigma = 6.14$ mho/m; $\epsilon_r = 48.9$; $\rho = 1000$ kg/m³ ; Liquid level : 150 mm
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)
 Air temp. : 23.1 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: EX3DV3 - SN3506 ; ConvF(4.34, 4.34, 4.34) ; Calibrated: 2006/4/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

f=5800, d=10mm, Pin=250mW/Area Scan (6x6x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 20.3 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 = 72.1 V/m; Power Drift = -0.265 dB

Peak SAR (extrapolated) = 63.3 W/kg

SAR(1 g) = 17.8 mW/g; SAR(10 g) = 5.47 mW/g

Maximum value of SAR (measured) = 29.6 mW/g

