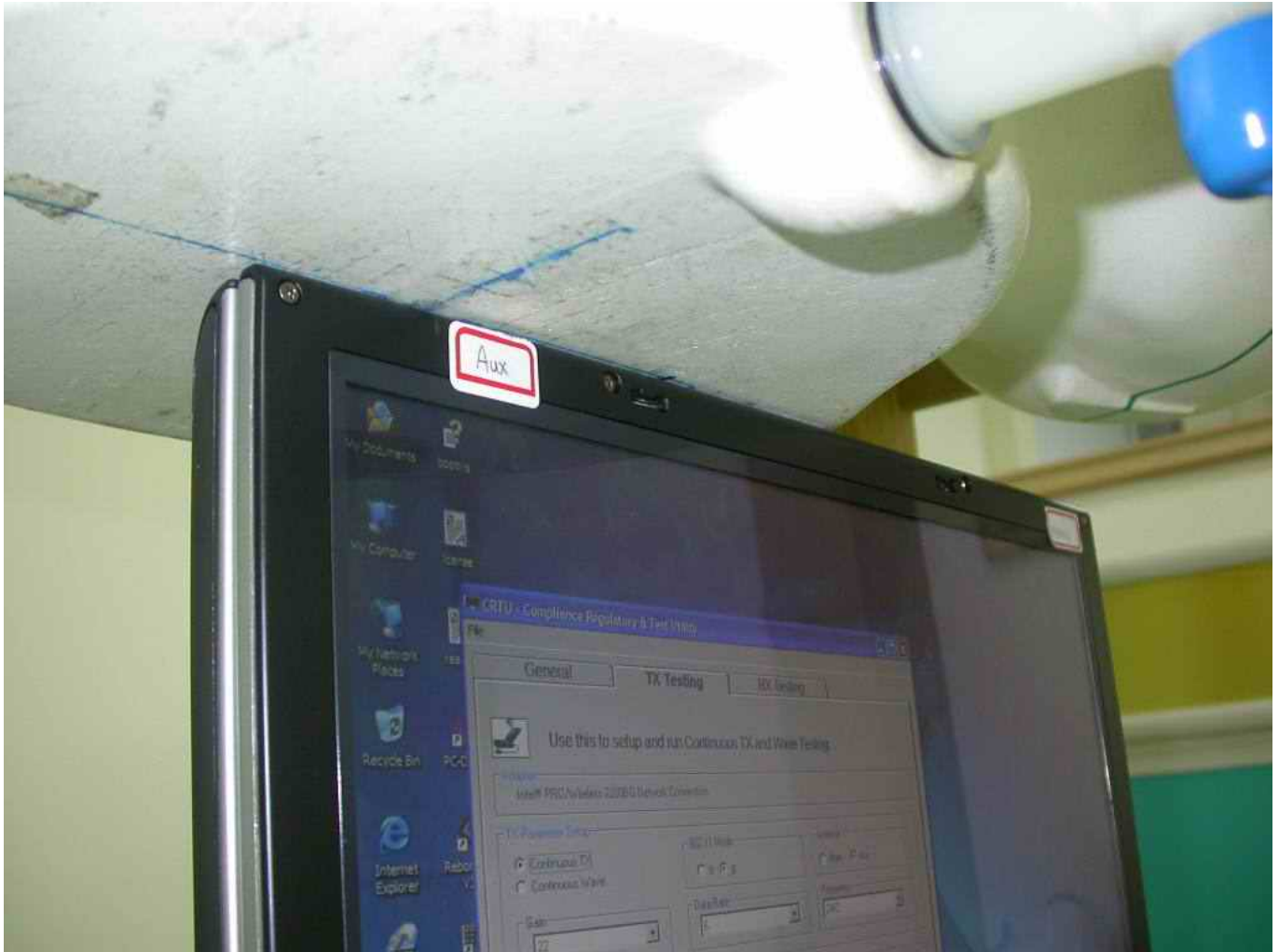## Main Antenna

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

Main Antenna

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

Auxiliary Antenna

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

Auxiliary Antenna

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

EUT Photo

Main Ant   Auxiliary Ant

Auxiliary Ant   **Main Ant**

Liquid Level Photo

MSL 2450MHz D=155mm

Test Laboratory: Advance Data Technology

TA1 Mode 1 11b Tip Main Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 1.94 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3 ; Liquid level : 155mm
Phantom section: Flat Section ; Separation distance : 0 mm (The tip side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 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 (6x9x1): Measurement grid: dx=15mm, dy=15mm
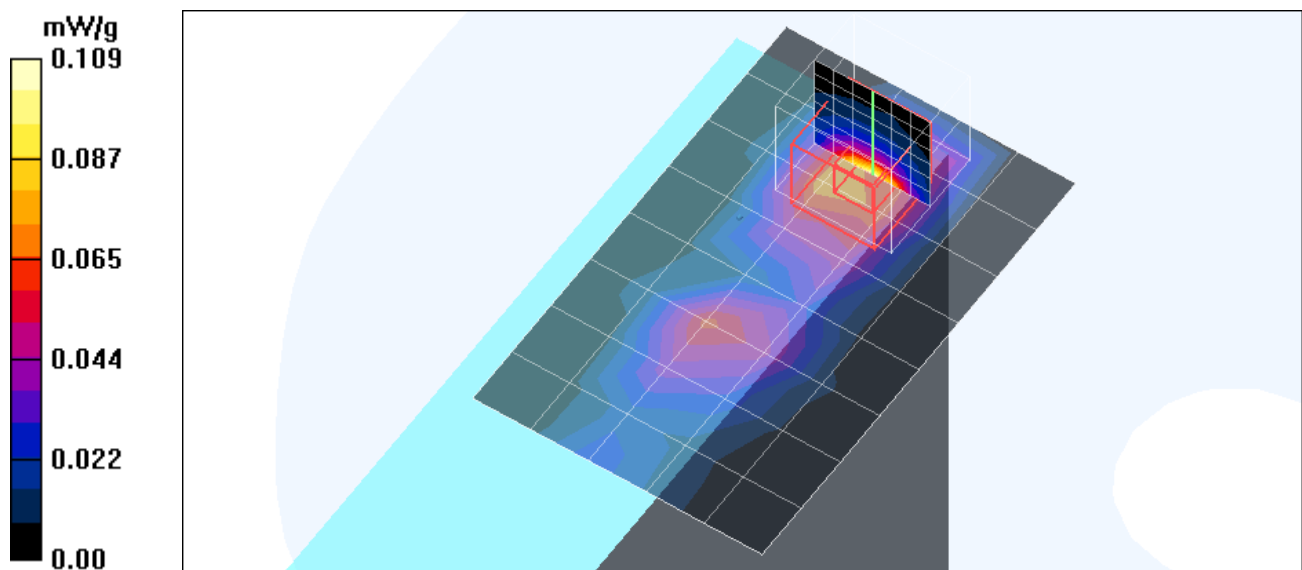Maximum value of SAR (measured) = 0.073 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
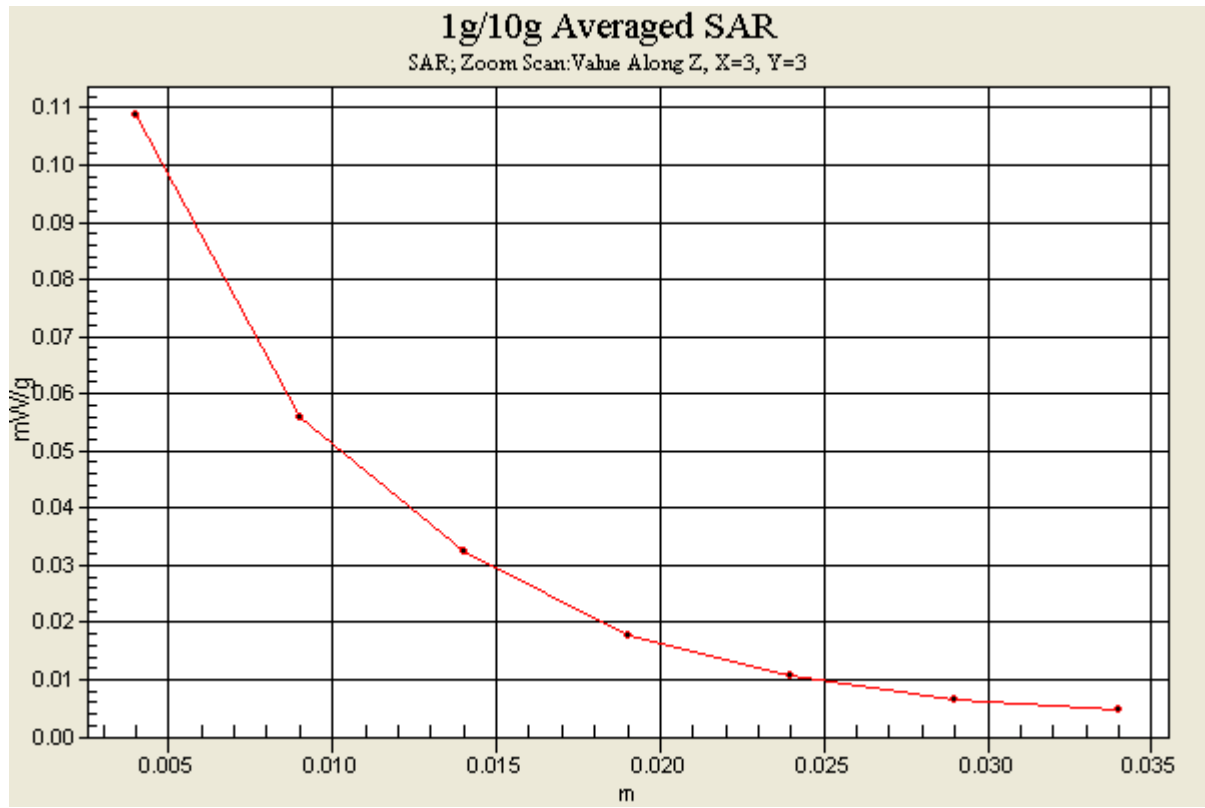Reference Value = 5.58 V/m
Peak SAR (extrapolated) = 0.215 W/kg
SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.044 mW/g
Maximum value of SAR (measured) = 0.109 mW/g

1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=3, Y=3

Test Laboratory: Advance Data Technology

TA1 Mode 1 11b Tip Main Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 1.98 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3 ; Liquid level : 155mm
Phantom section: Flat Section ; Separation distance : 0 mm (The tip side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 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

Middle Channel 6/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
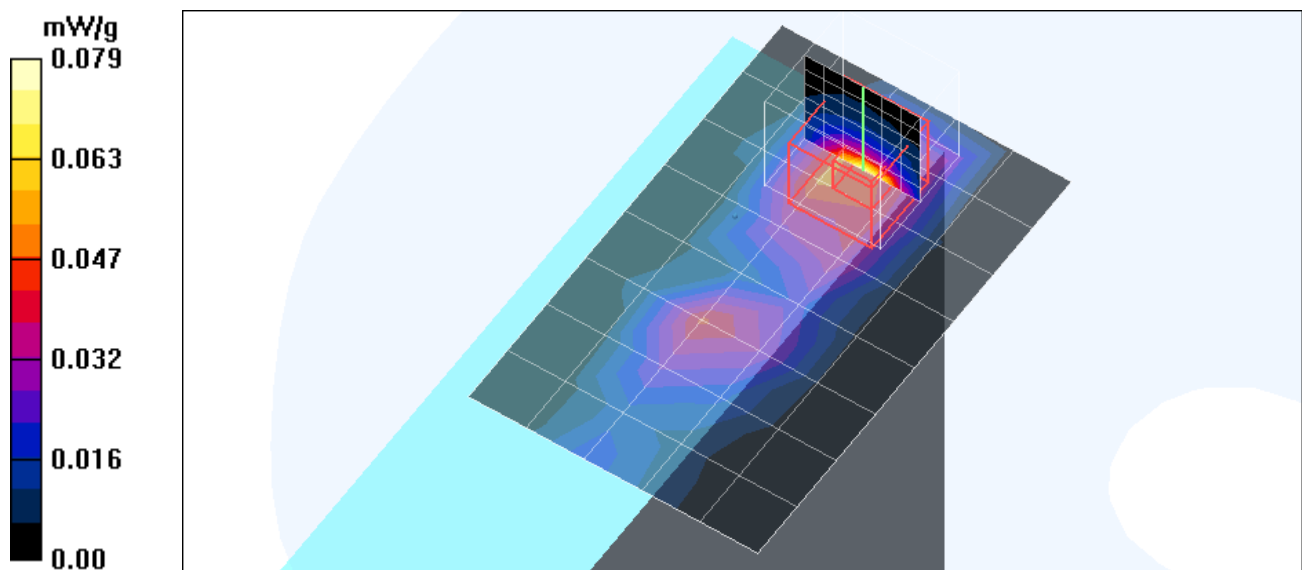Maximum value of SAR (measured) = 0.049 mW/g

Middle Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.59 V/m
Peak SAR (extrapolated) = 0.162 W/kg
SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.032 mW/g
Maximum value of SAR (measured) = 0.079 mW/g

Test Laboratory: Advance Data Technology

TA1 Mode 1 11b Tip Main Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 2.01 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3 ; Liquid level : 155mm
Phantom section: Flat Section ; Separation distance : 0 mm (The tip side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 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 (6x9x1): Measurement grid: dx=15mm, dy=15mm
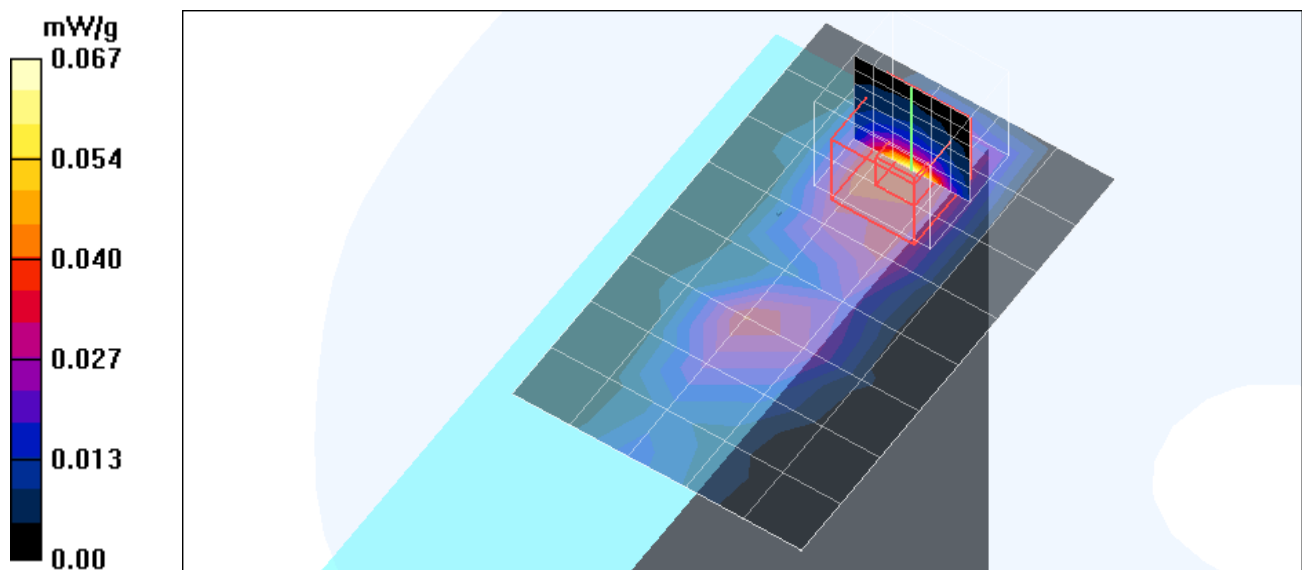Maximum value of SAR (measured) = 0.040 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.20 V/m
Peak SAR (extrapolated) = 0.135 W/kg
SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.027 mW/g
Maximum value of SAR (measured) = 0.067 mW/g

Test Laboratory: Advance Data Technology

TA1 Mode 2 11g Tip Main Antenna

DUT: Notebook computer ; Type: TA1 ; 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; $\sigma = 1.94$ mho/m; $\varepsilon_r = 52.3$; $\rho = 1000$ kg/m^3 ; Liquid level : 155mm

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

Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 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 (6x9x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 4.37 V/m

Peak SAR (extrapolated) = 0.129 W/kg

SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.026 mW/g

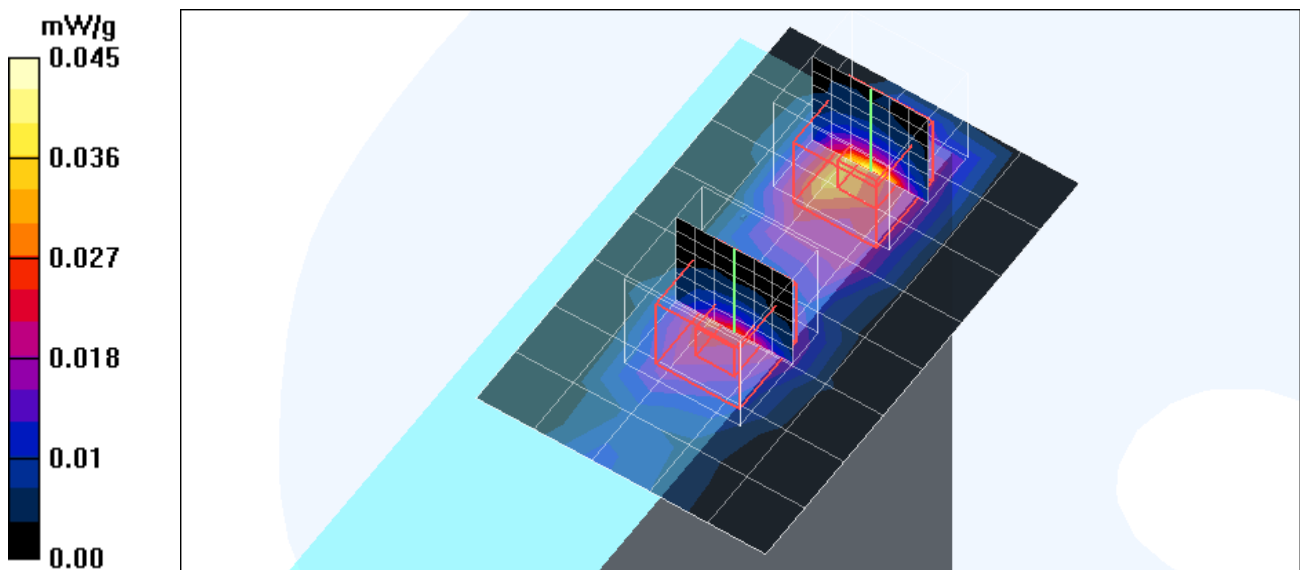Maximum value of SAR (measured) = 0.064 mW/g

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

Reference Value = 4.37 V/m

Peak SAR (extrapolated) = 0.099 W/kg

SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.017 mW/g

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

A - 12

Test Laboratory: Advance Data Technology

TA1 Mode 2 11g Tip Main Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 1.98 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3 ; Liquid level : 155mm
Phantom section: Flat Section ; Separation distance : 0 mm (The tip side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 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
Middle Channel 6/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.032 mW/g
Middle Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.45 V/m
Peak SAR (extrapolated) = 0.095 W/kg
SAR(1 g) = 0.041 mW/g; SAR(10 g) = 0.019 mW/g
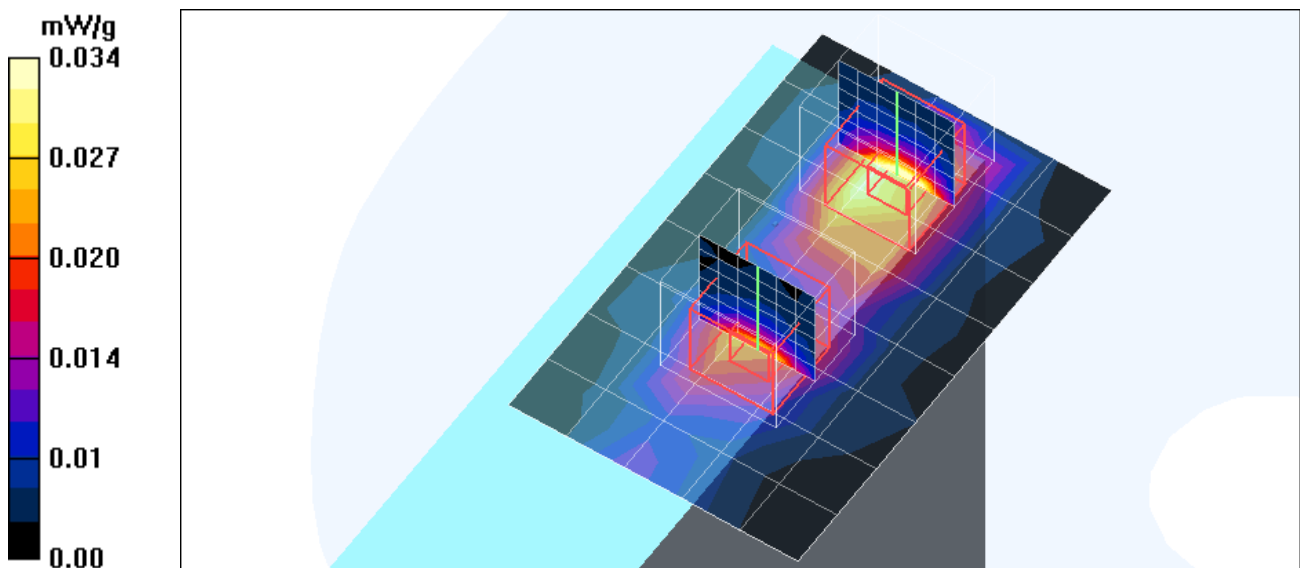Maximum value of SAR (measured) = 0.046 mW/g
Middle Channel 6/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.45 V/m
Peak SAR (extrapolated) = 0.080 W/kg
SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.014 mW/g
Maximum value of SAR (measured) = 0.034 mW/g

Test Laboratory: Advance Data Technology

TA1 Mode 2 11g Tip Main Antenna

DUT: Notebook computer ; Type: TA1 ; 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; $\sigma = 2.01$ mho/m; $\varepsilon_r = 52.2$; $\rho = 1000$ kg/m^3 ; Liquid level : 155mm
Phantom section: Flat Section ; Separation distance : 0 mm (The tip side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 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 (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.030 mW/g
High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.46 V/m
Peak SAR (extrapolated) = 0.084 W/kg
SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.017 mW/g
Maximum value of SAR (measured) = 0.042 mW/g
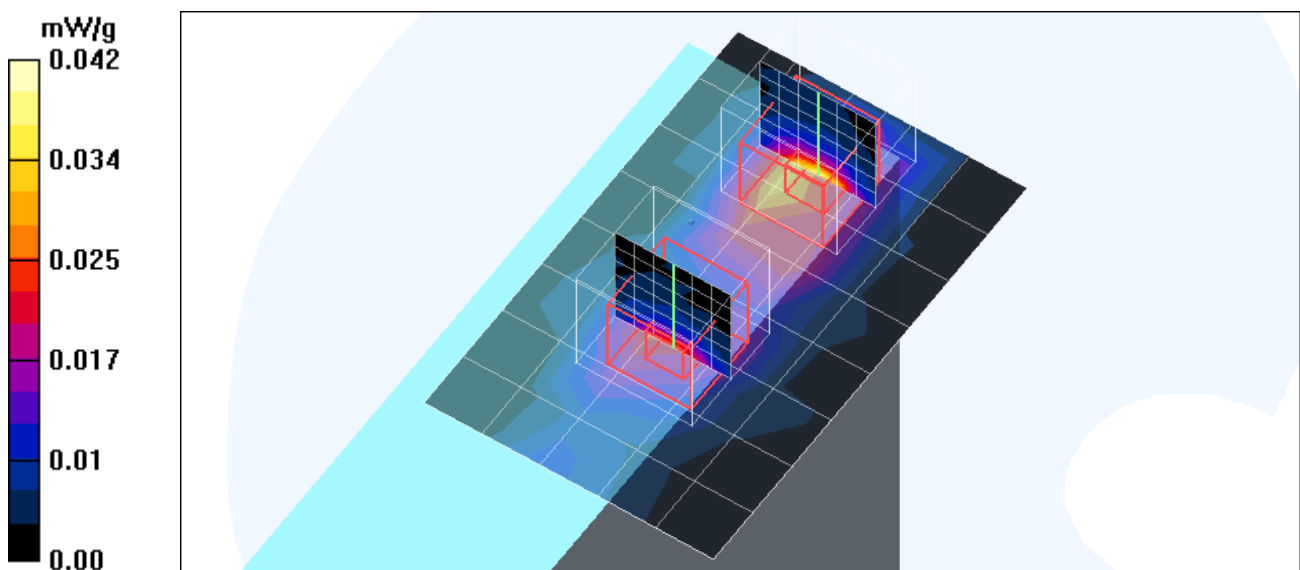**High Channel 11/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.46 V/m
Peak SAR (extrapolated) = 0.060 W/kg
SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.012 mW/g
Maximum value of SAR (measured) = 0.029 mW/g

Test Laboratory: Advance Data Technology

TA1 Mode 3 11b Tip Auxiliary Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 1.94 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3 ; Liquid level : 155mm
Phantom section: Flat Section ; Separation distance : 0 mm (The tip side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 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 (6x9x1): Measurement grid: dx=15mm, dy=15mm
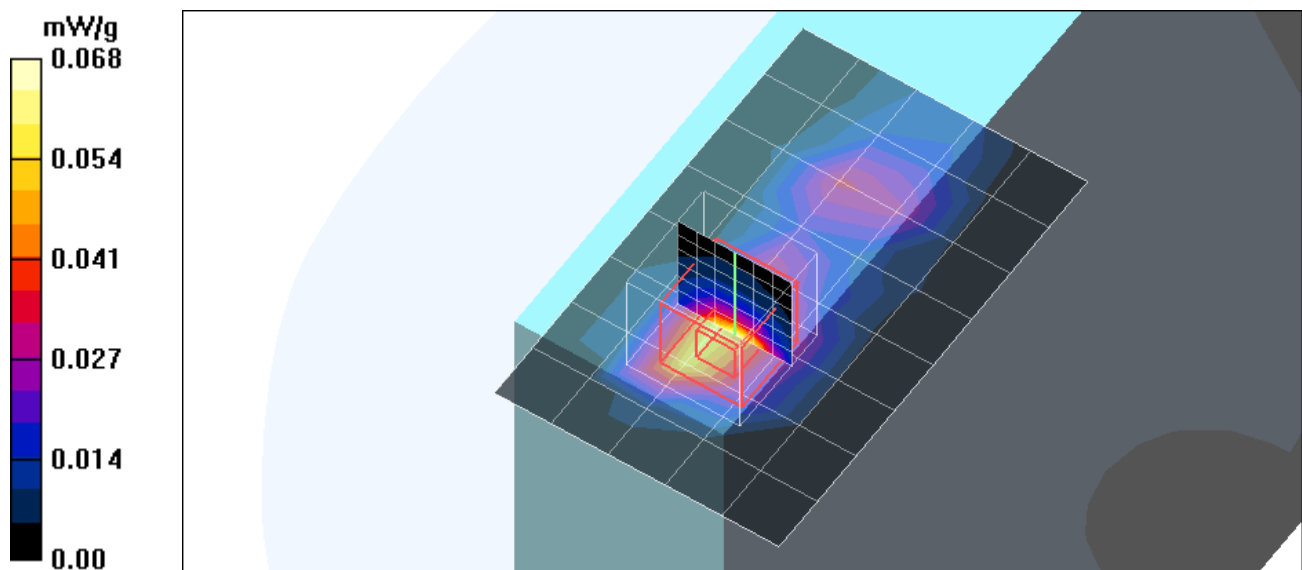Maximum value of SAR (measured) = 0.059 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.40 V/m
Peak SAR (extrapolated) = 0.130 W/kg
SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.029 mW/g
Maximum value of SAR (measured) = 0.068 mW/g

Test Laboratory: Advance Data Technology

TA1 Mode 3 11b Tip Auxiliary Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 1.98 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3 ; Liquid level : 155mm

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

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

Middle Channel 6/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.069 mW/g

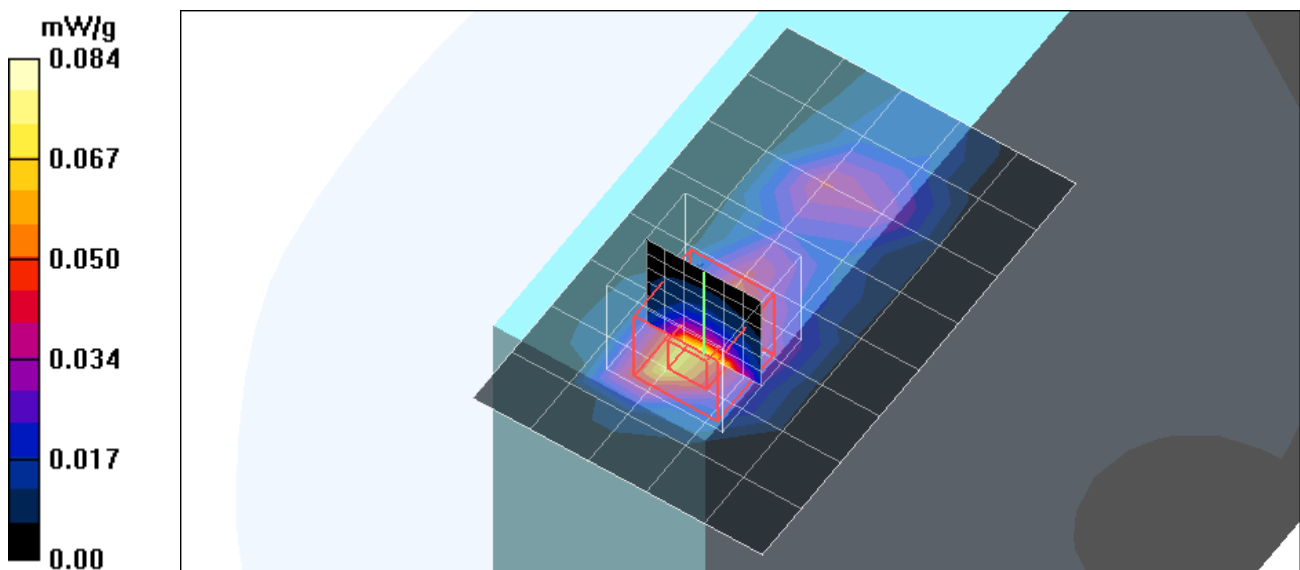**Middle Channel 6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.42 V/m

Peak SAR (extrapolated) = 0.172 W/kg

SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.032 mW/g

Maximum value of SAR (measured) = 0.084 mW/g

Test Laboratory: Advance Data Technology

TA1 Mode 3 11b Tip Auxiliary Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 2.01 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3 ; Liquid level : 155mm
Phantom section: Flat Section ; Separation distance : 0 mm (The tip side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 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 (6x9x1): Measurement grid: dx=15mm, dy=15mm
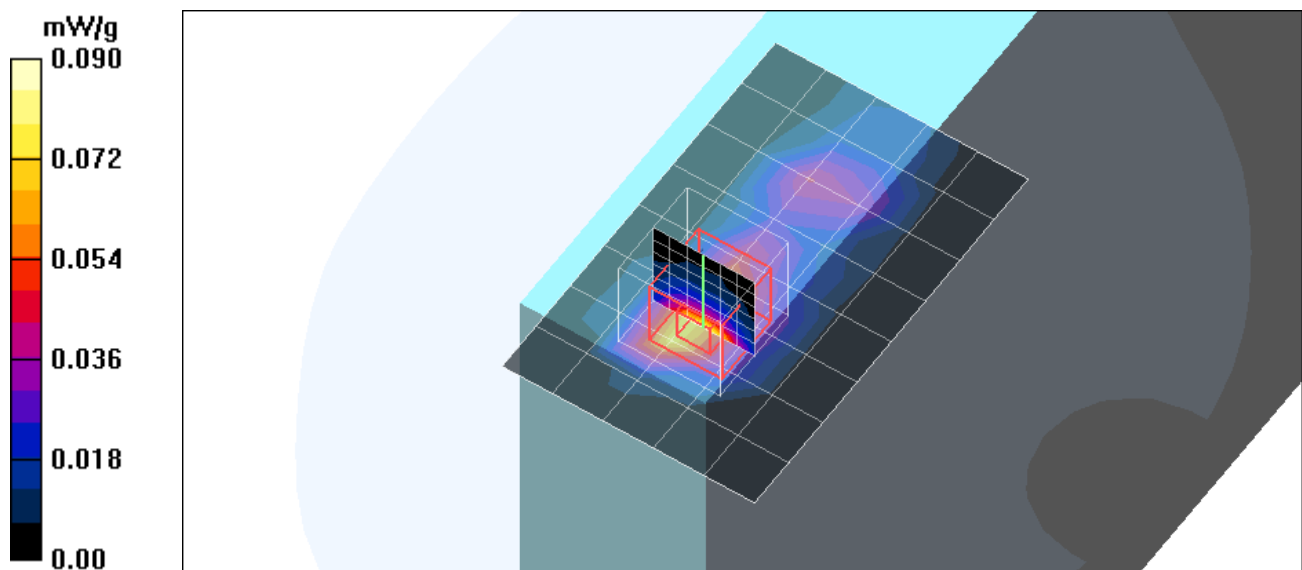Maximum value of SAR (measured) = 0.075 mW/g

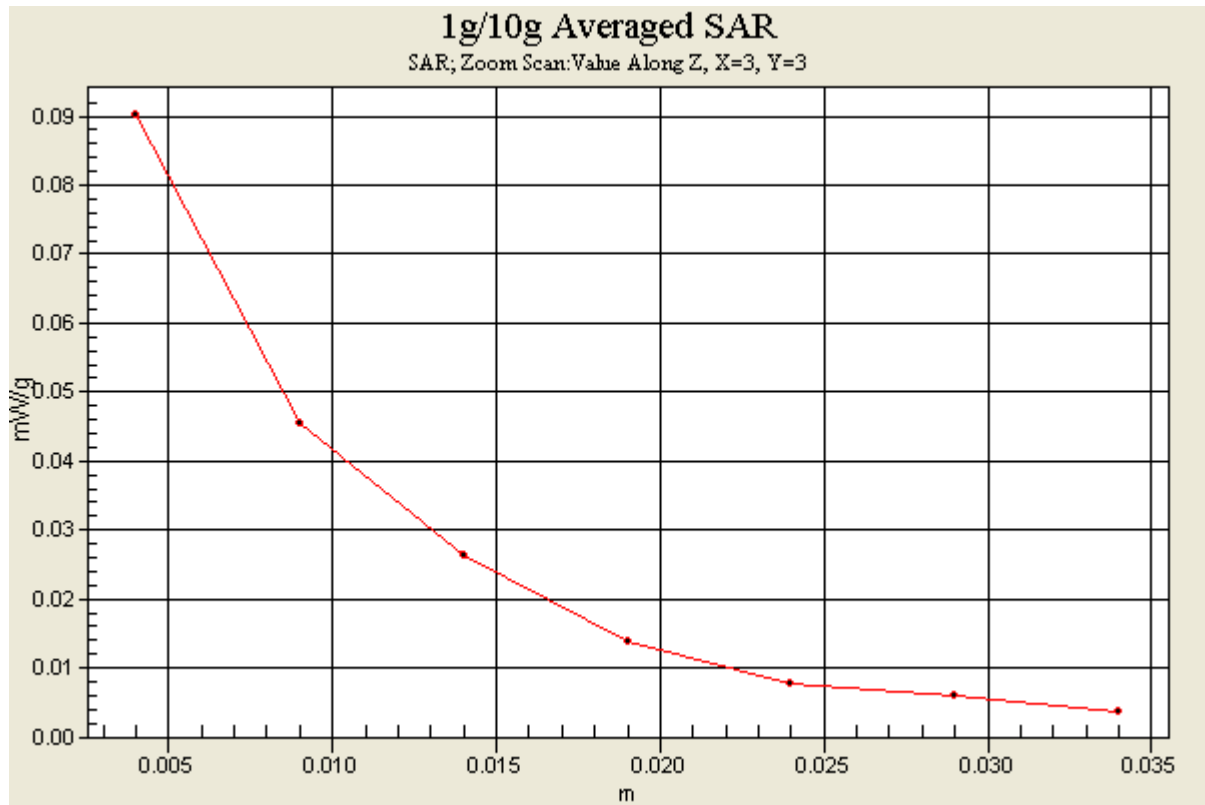**High Channel 11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.60 V/m
Peak SAR (extrapolated) = 0.181 W/kg
SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.039 mW/g
Maximum value of SAR (measured) = 0.090 mW/g

1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=3, Y=3

Test Laboratory: Advance Data Technology

TA1 Mode 4 11g Tip Auxiliary Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 1.94 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3 ; Liquid level : 155mm
Phantom section: Flat Section ; Separation distance : 0 mm (The tip side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 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 (6x9x1): Measurement grid: dx=15mm, dy=15mm
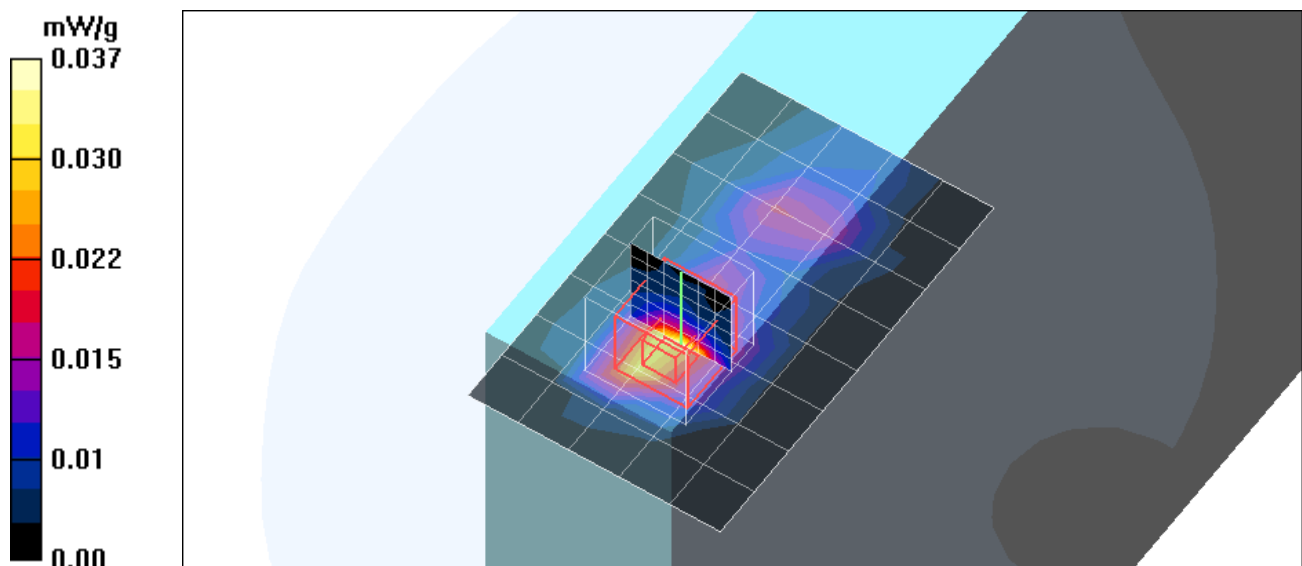Maximum value of SAR (measured) = 0.031 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.37 V/m
Peak SAR (extrapolated) = 0.071 W/kg
SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.016 mW/g
Maximum value of SAR (measured) = 0.037 mW/g

Test Laboratory: Advance Data Technology

TA1 Mode 4 11g Tip Auxiliary Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 1.98 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3 ; Liquid level : 155mm
Phantom section: Flat Section ; Separation distance : 0 mm (The tip side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 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

Middle Channel 6/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
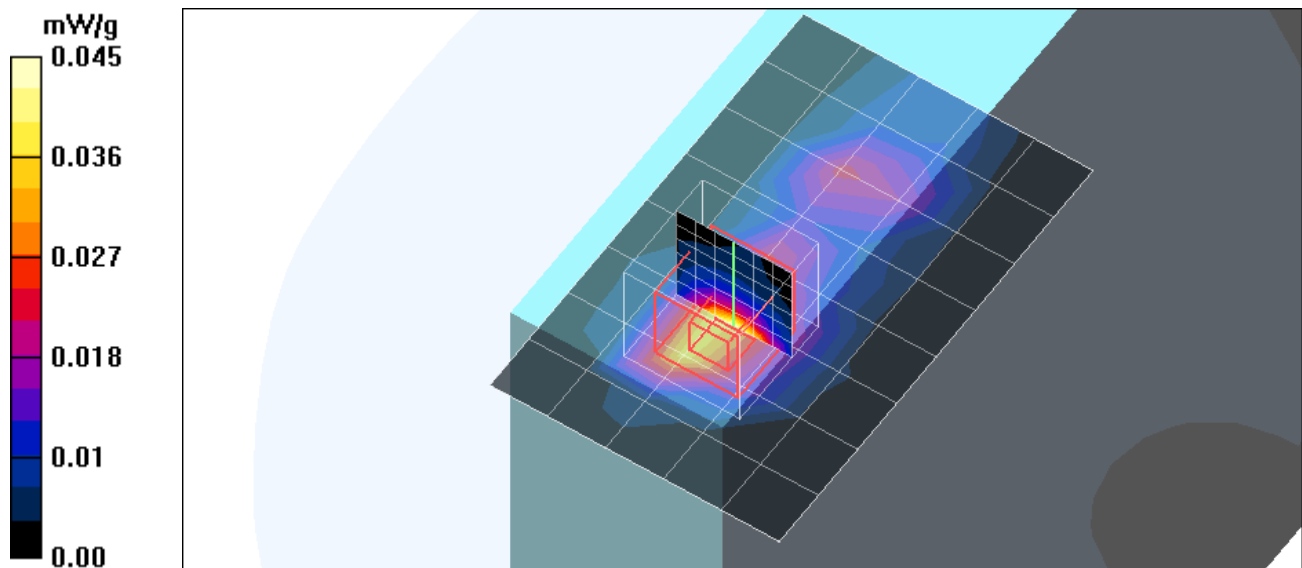Maximum value of SAR (measured) = 0.038 mW/g

Middle Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.57 V/m
Peak SAR (extrapolated) = 0.087 W/kg
SAR(1 g) = 0.041 mW/g; SAR(10 g) = 0.020 mW/g
Maximum value of SAR (measured) = 0.045 mW/g

Test Laboratory: Advance Data Technology

TA1 Mode 4 11g Tip Auxiliary Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 2.01 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3 ; Liquid level : 155mm
Phantom section: Flat Section ; Separation distance : 0 mm (The tip side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 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 (6x9x1): Measurement grid: dx=15mm, dy=15mm
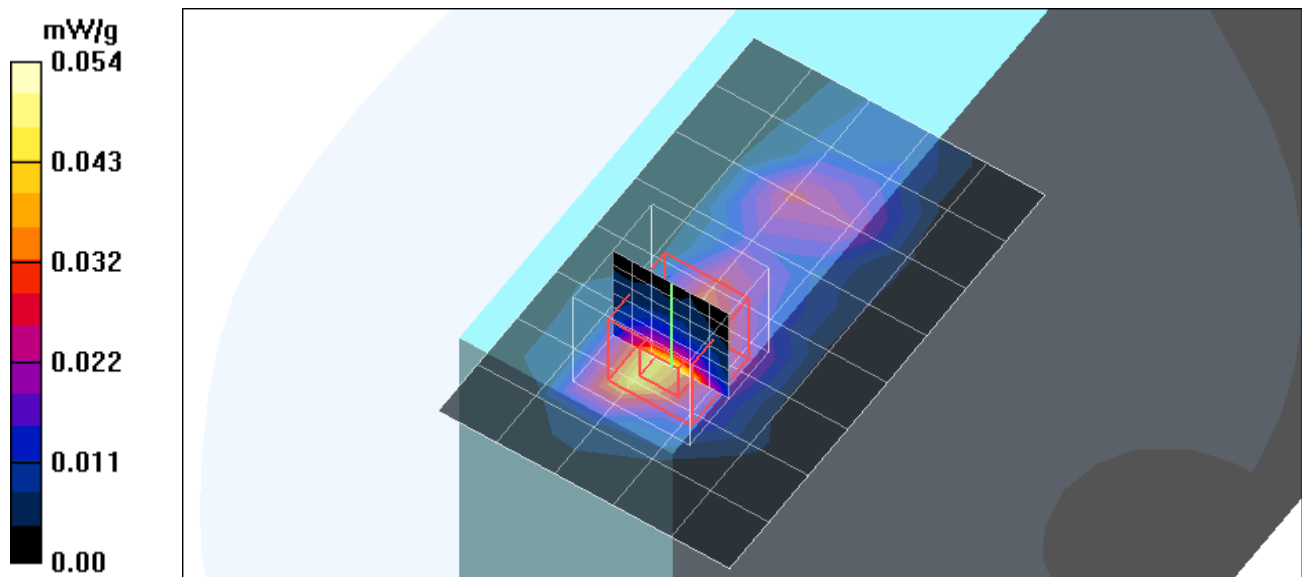Maximum value of SAR (measured) = 0.045 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.78 V/m
Peak SAR (extrapolated) = 0.110 W/kg
SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.024 mW/g
Maximum value of SAR (measured) = 0.054 mW/g

Test Laboratory: Advance Data Technology

TA1 Mode 5 11b Bottom Main Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 1.94 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3 ; Liquid level : 155mm
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: 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.01 mW/g
Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.88 V/m
Peak SAR (extrapolated) = 0.018 W/kg
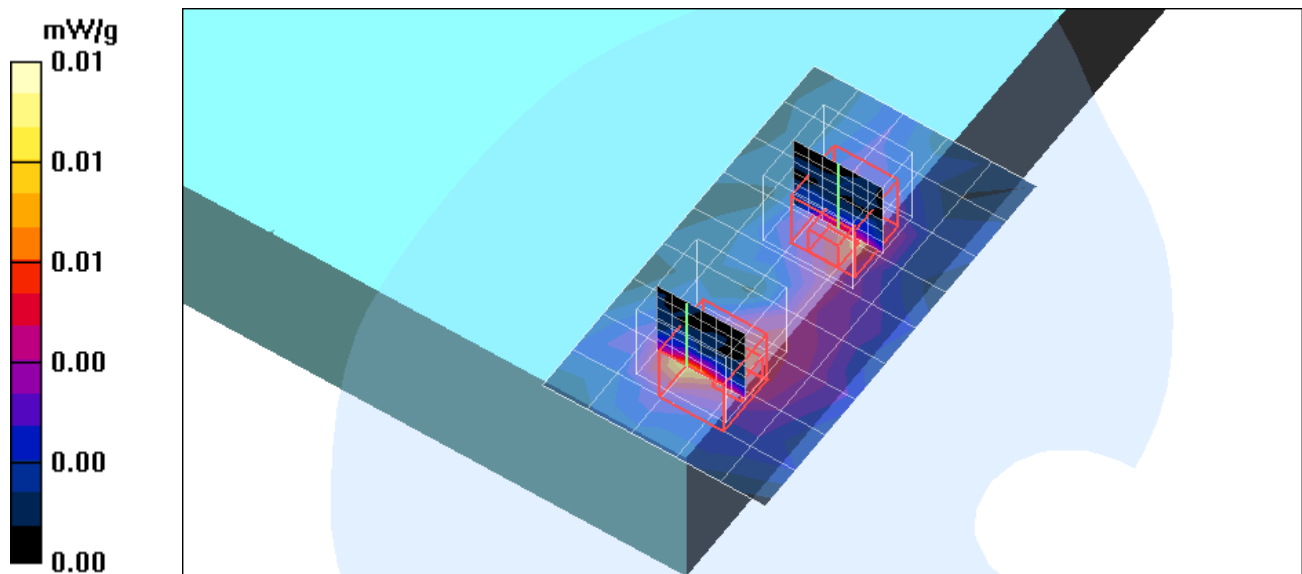**SAR(1 g) = 0.00531 mW/g; SAR(10 g) = 0.00192 mW/g**
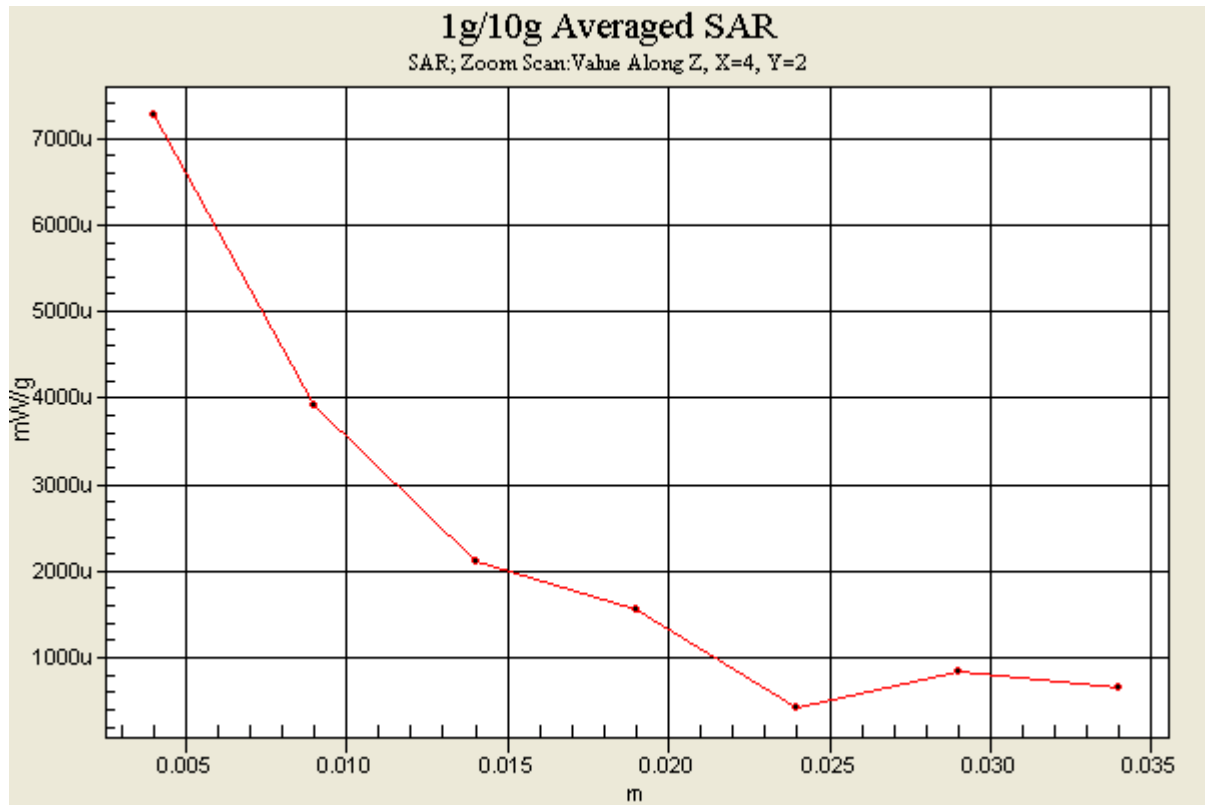**Low Channel 1/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.88 V/m
Peak SAR (extrapolated) = 0.034 W/kg
SAR(1 g) = 0.00645 mW/g; SAR(10 g) = 0.00231 mW/g

1g/10g Averaged SAR

SAR; Zoom Scan:Value Along Z, X=4, Y=2

Test Laboratory: Advance Data Technology

TA1 Mode 5 11b Bottom Main Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 1.98 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3 ; Liquid level : 155mm
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: 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
Middle Channel 6/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.00 mW/g
Middle Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.28 V/m
Peak SAR (extrapolated) = 0.016 W/kg
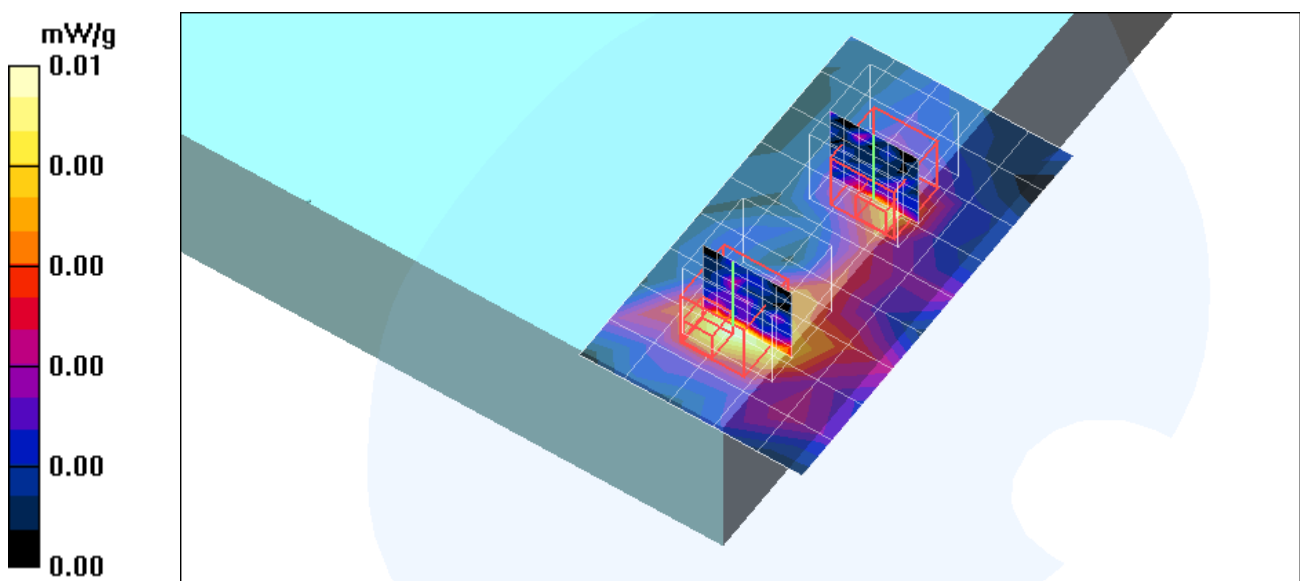**SAR(1 g) = 0.0037 mW/g; SAR(10 g) = 0.00119 mW/g**
Middle Channel 6/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.28 V/m
Peak SAR (extrapolated) = 0.023 W/kg
SAR(1 g) = 0.00389 mW/g; SAR(10 g) = 0.000788 mW/g
Maximum value of SAR (measured) = 0.01 mW/g

Test Laboratory: Advance Data Technology

TA1 Mode 5 11b Bottom Main Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 2.01 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3 ; Liquid level : 155mm
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: 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 (6x10x1): Measurement grid: dx=15mm, dy=15mm
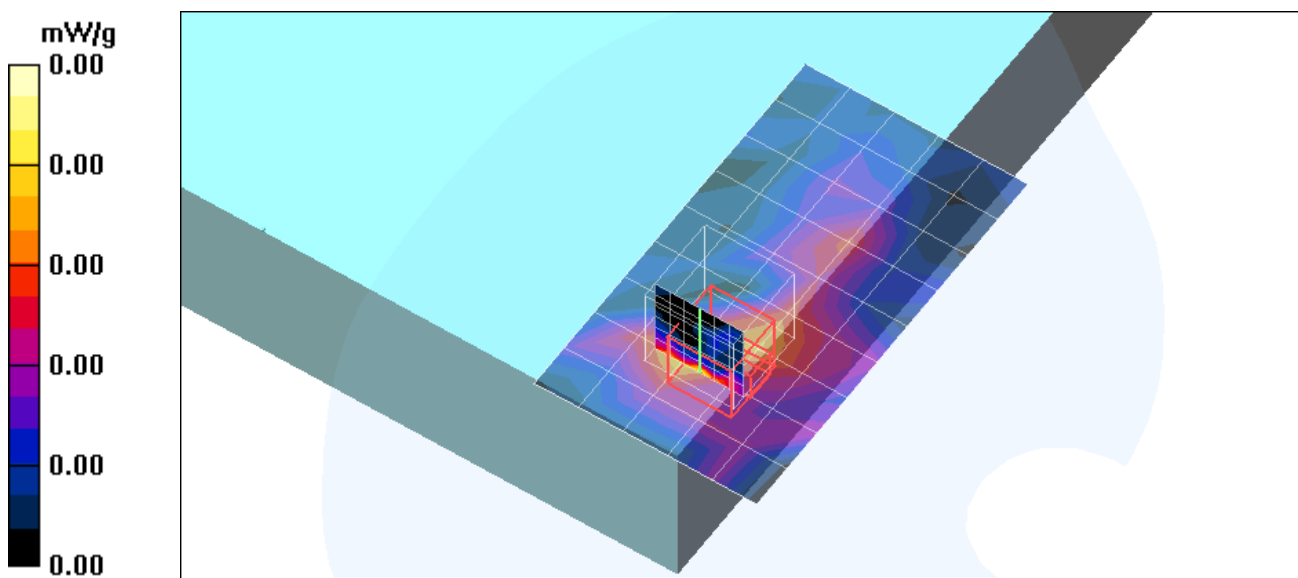Maximum value of SAR (measured) = 0.00 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.918 V/m
Peak SAR (extrapolated) = 0.017 W/kg
SAR(1 g) = 0.00273 mW/g; SAR(10 g) = 0.000615 mW/g

Test Laboratory: Advance Data Technology

TA1 Mode 6 11g Bottom Main Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 1.94 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3 ; Liquid level : 155mm
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: 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

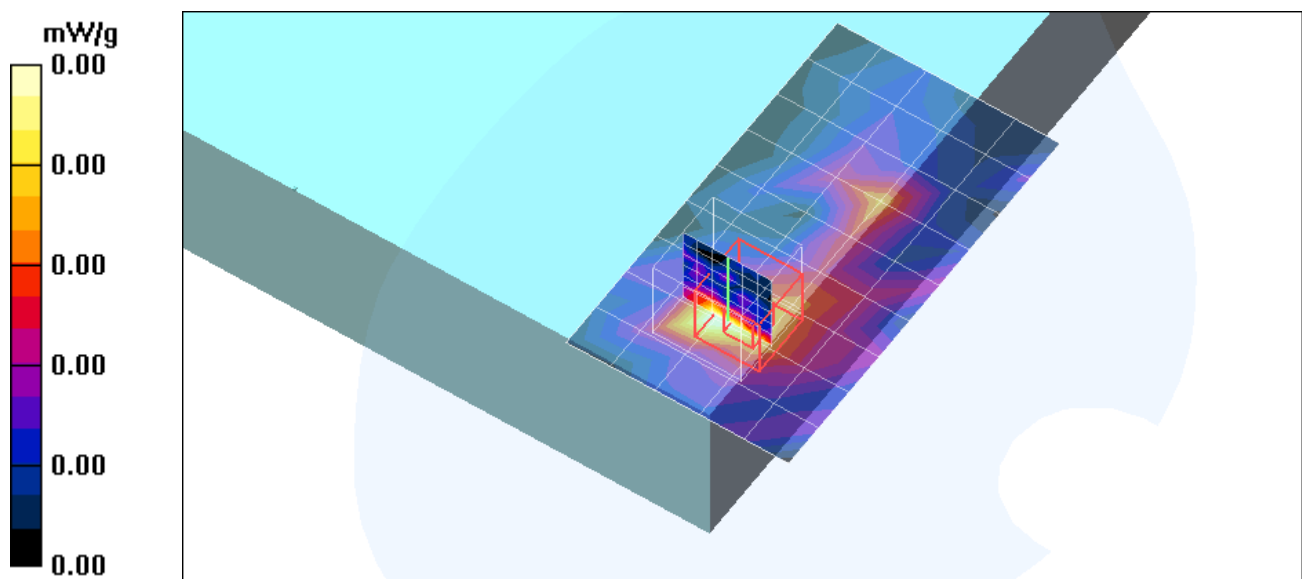**Low Channel 1/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.00 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.20 V/m
Peak SAR (extrapolated) = 0.022 W/kg
SAR(1 g) = 0.00393 mW/g; SAR(10 g) = 0.000897 mW/g

Test Laboratory: Advance Data Technology

TA1 Mode 6 11g Bottom Main Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 1.98 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3 ; Liquid level : 155mm
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: 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

Middle Channel 6/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.00 mW/g

Middle Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.913 V/m
Peak SAR (extrapolated) = 0.00 W/kg
SAR(1 g) = 0.000557 mW/g; SAR(10 g) = 8.26e-005 mW/g
Middle Channel 6/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
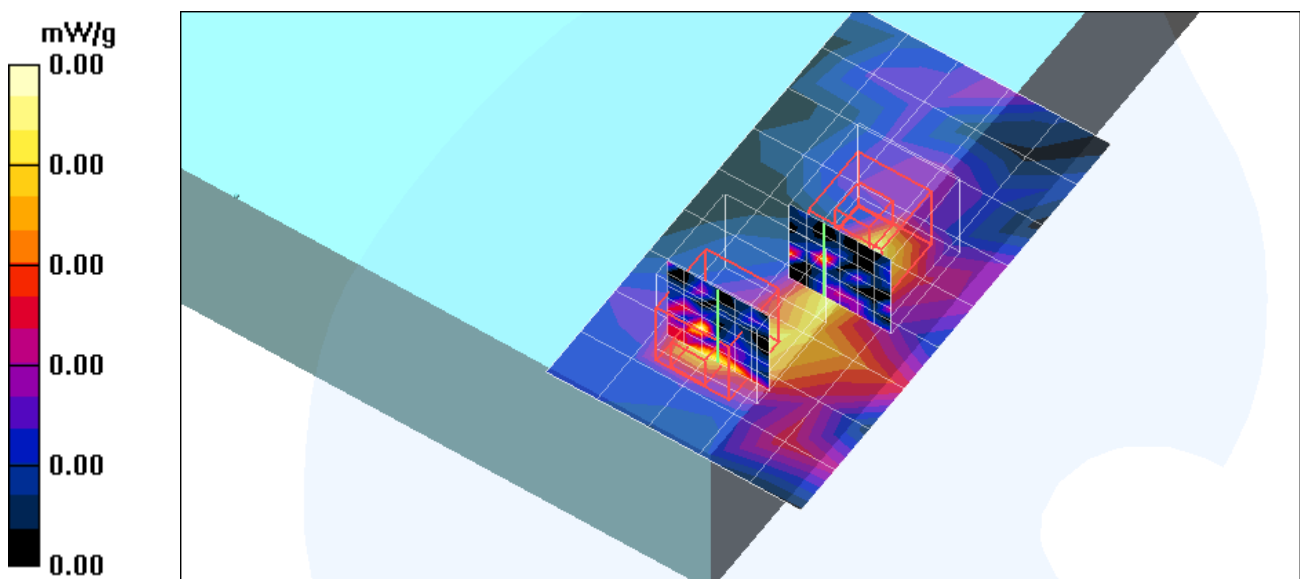Reference Value = 0.913 V/m
Peak SAR (extrapolated) = 0.00 W/kg
SAR(1 g) = 9.71e-005 mW/g; SAR(10 g) = 1.33e-005 mW/g

Test Laboratory: Advance Data Technology

TA1 Mode 6 11g Bottom Main Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 2.01 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3 ; Liquid level : 155mm
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: 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

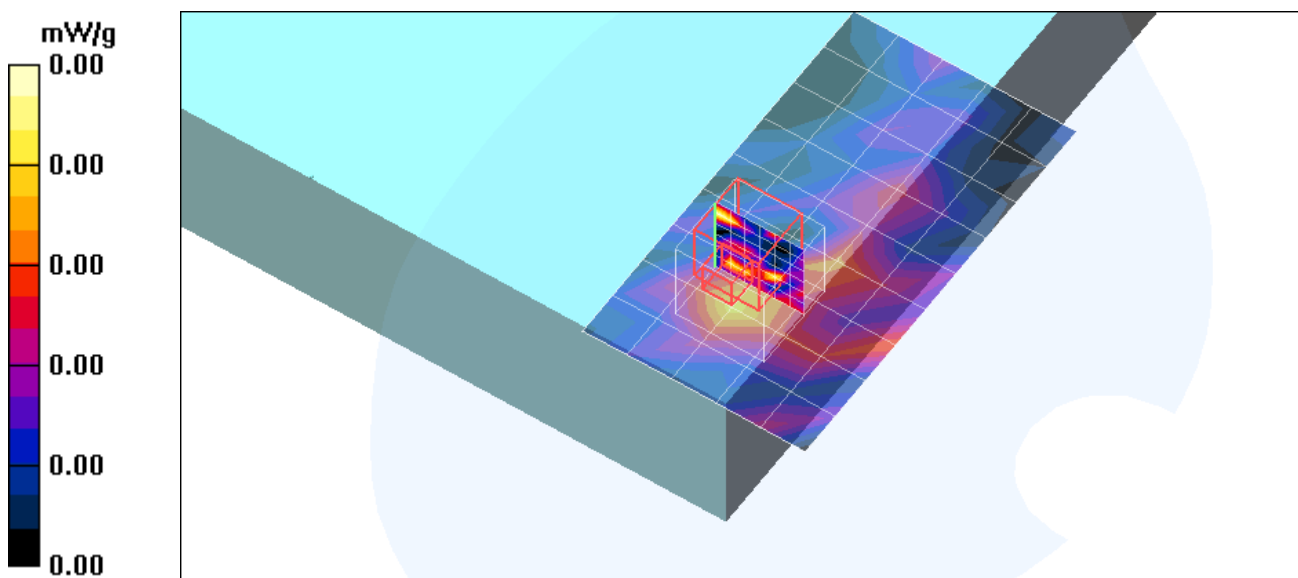**High Channel 11/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.00 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.739 V/m
Peak SAR (extrapolated) = 0.00 W/kg
SAR(1 g) = 2.98e-005 mW/g; SAR(10 g) = 4.56e-006 mW/g

Test Laboratory: Advance Data Technology

TA1 Mode 7 11b Bottom Auxiliary Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 1.94 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3 ; Liquid level : 155mm
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: 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 (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.00 mW/g
Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.66 V/m
Peak SAR (extrapolated) = 0.018 W/kg
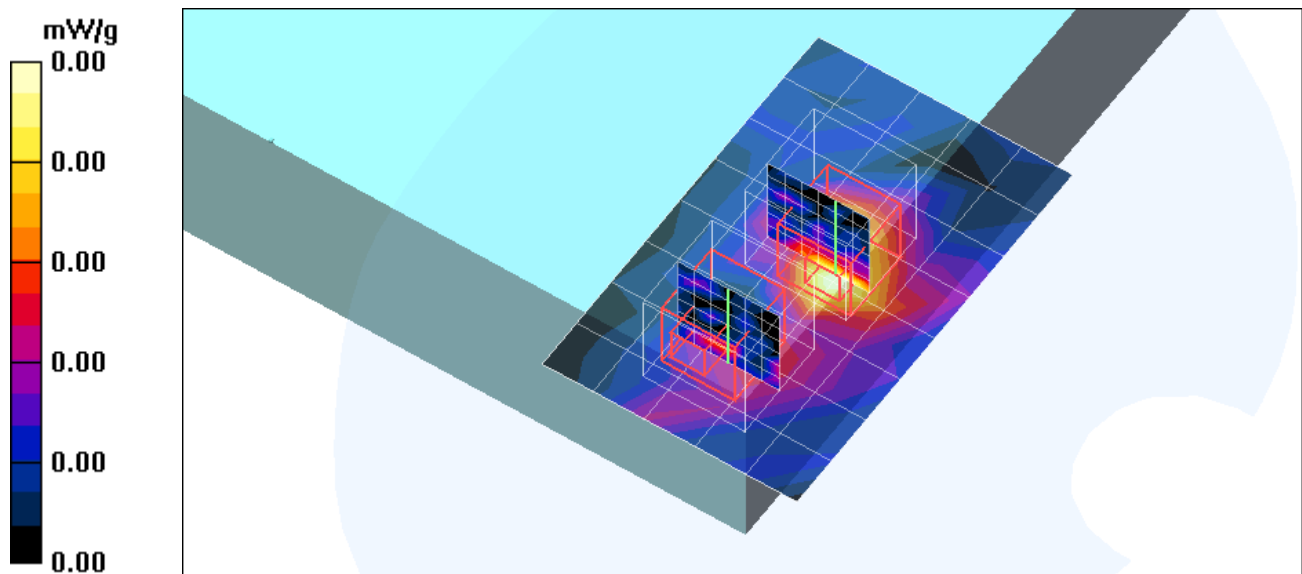**SAR(1 g) = 0.00443 mW/g; SAR(10 g) = 0.00182 mW/g**
Low Channel 1/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.66 V/m
Peak SAR (extrapolated) = 0.00 W/kg
SAR(1 g) = 2.37e-005 mW/g; SAR(10 g) = 2.97e-006 mW/g

Test Laboratory: Advance Data Technology

TA1 Mode 7 11b Bottom Auxiliary Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 1.98 mho/m; ε_r = 52.3; ρ = 1000
kg/m^3 ; Liquid level : 155mm
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: 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
Middle Channel 6/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.01 mW/g
Middle Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.67 V/m
Peak SAR (extrapolated) = 0.015 W/kg
SAR(1 g) = 0.0046 mW/g; SAR(10 g) = 0.00201 mW/g
Middle Channel 6/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.67 V/m
Peak SAR (extrapolated) = 0.018 W/kg
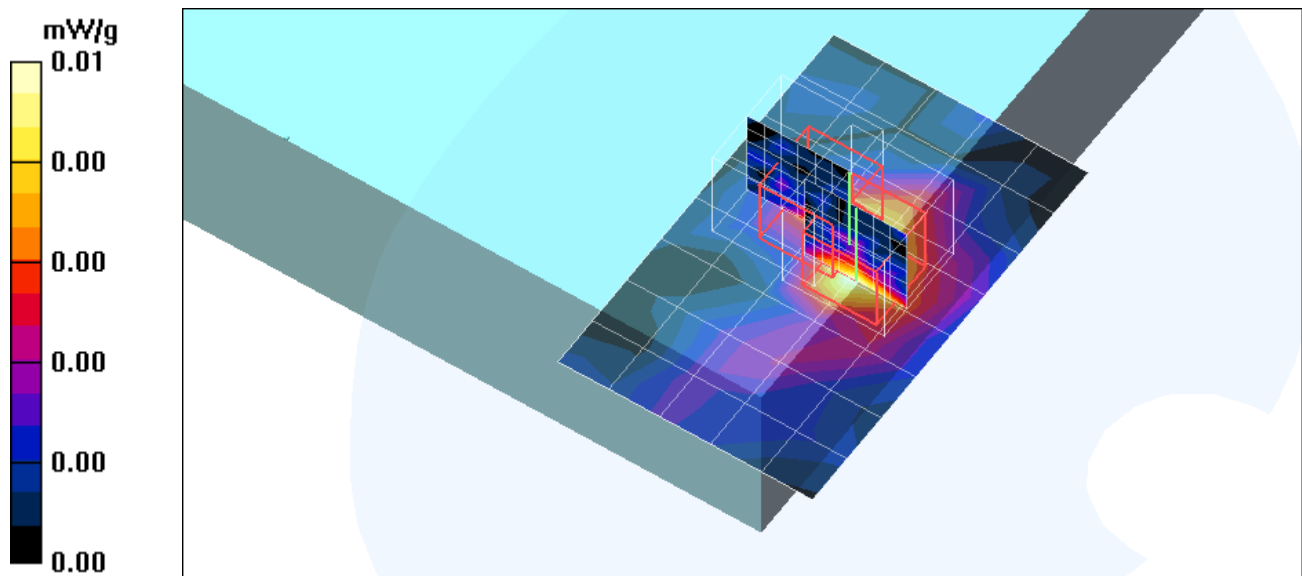**SAR(1 g) = 0.00454 mW/g; SAR(10 g) = 0.00121 mW/g**

Test Laboratory: Advance Data Technology

TA1 Mode 7 11b Bottom Auxiliary Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 2.01 mho/m; ε_r = 52.2; ρ = 1000
kg/m^3 ; Liquid level : 155mm
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: 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

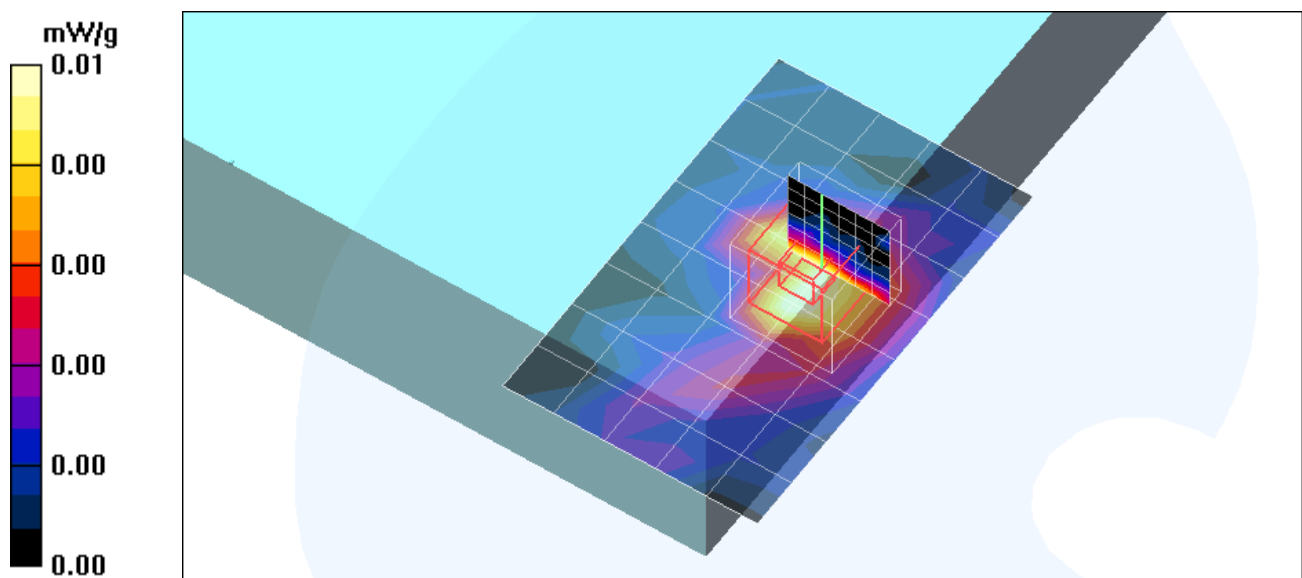**High Channel 11/Area Scan (6x9x1):** Measurement grid: dx=15mm, dy=15mm
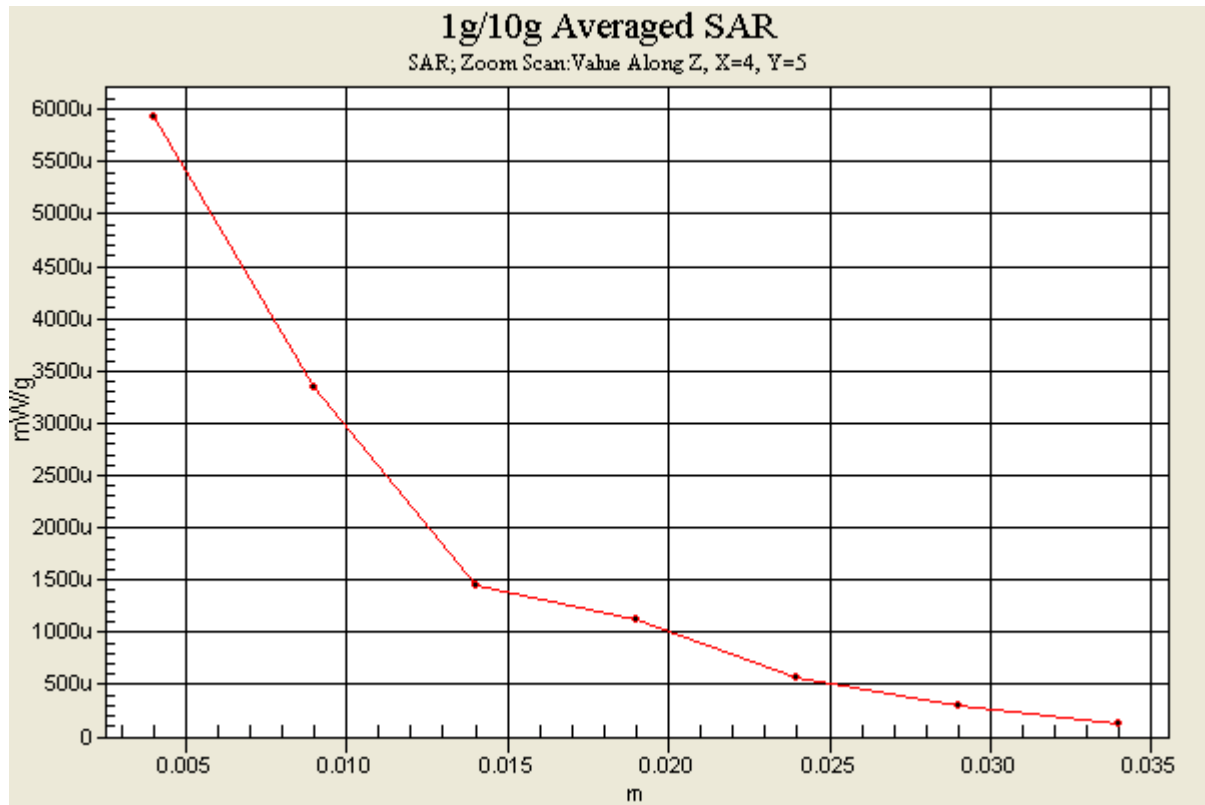Maximum value of SAR (measured) = 0.01 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.81 V/m
Peak SAR (extrapolated) = 0.016 W/kg
SAR(1 g) = 0.00549 mW/g; SAR(10 g) = 0.00269 mW/g

1g/10g Averaged SAR

SAR; Zoom Scan:Value Along Z, X=4, Y=5

Test Laboratory: Advance Data Technology

TA1 Mode 8 11g Bottom Auxiliary Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 1.94 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3 ; Liquid level : 155mm
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: 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 (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.00 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.24 V/m
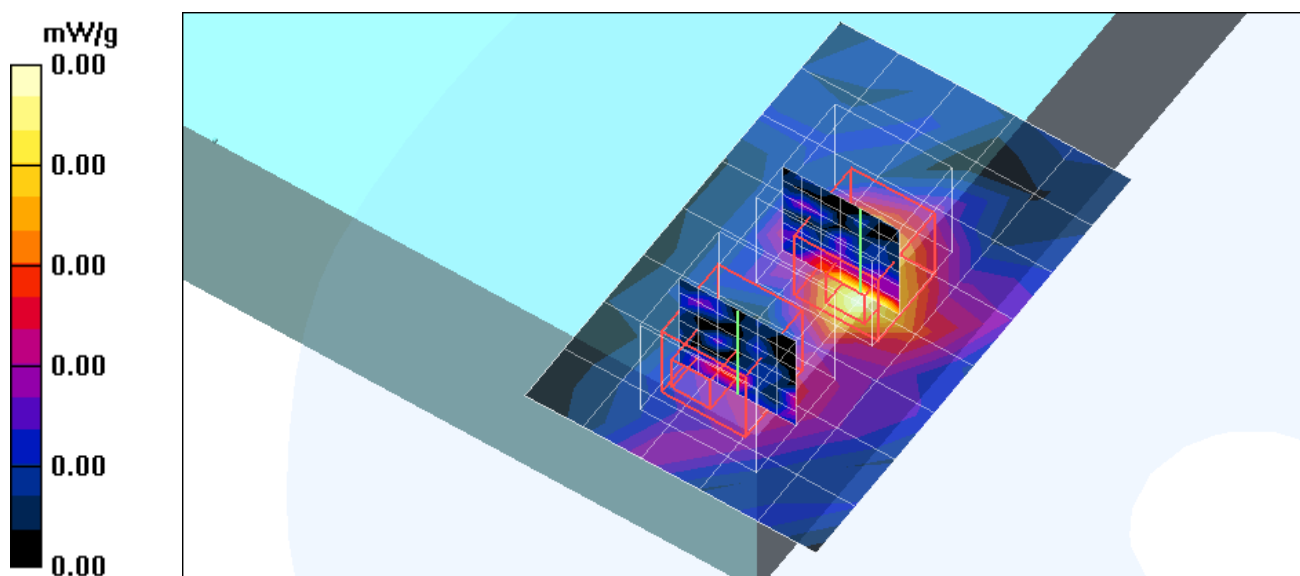Peak SAR (extrapolated) = 0.00 W/kg
SAR(1 g) = 3.44e-005 mW/g; SAR(10 g) = 5.01e-006 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.24 V/m
Peak SAR (extrapolated) = 0.014 W/kg
SAR(1 g) = 0.00287 mW/g; SAR(10 g) = 0.000785 mW/g

Test Laboratory: Advance Data Technology

TA1 Mode 8 11g Bottom Auxiliary Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 1.98 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3 ; Liquid level : 155mm
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: 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
Middle Channel 6/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.00 mW/g
Middle Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.22 V/m
Peak SAR (extrapolated) = 0.015 W/kg
SAR(1 g) = 0.00302 mW/g; SAR(10 g) = 0.000958 mW/g
Middle Channel 6/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.22 V/m
Peak SAR (extrapolated) = 0.01 W/kg
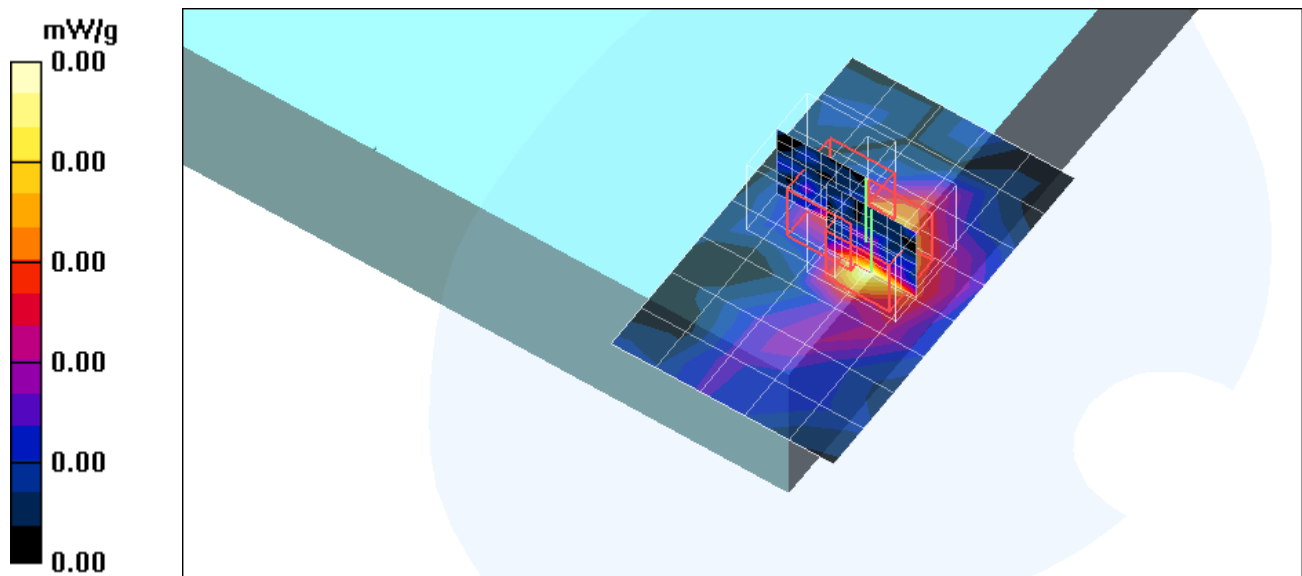**SAR(1 g) = 0.00238 mW/g; SAR(10 g) = 0.000709 mW/g**

Test Laboratory: Advance Data Technology

TA1 Mode 8 11g Bottom Auxiliary Antenna

DUT: Notebook computer ; Type: TA1 ; 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; σ = 2.01 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3 ; Liquid level : 155mm
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: 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

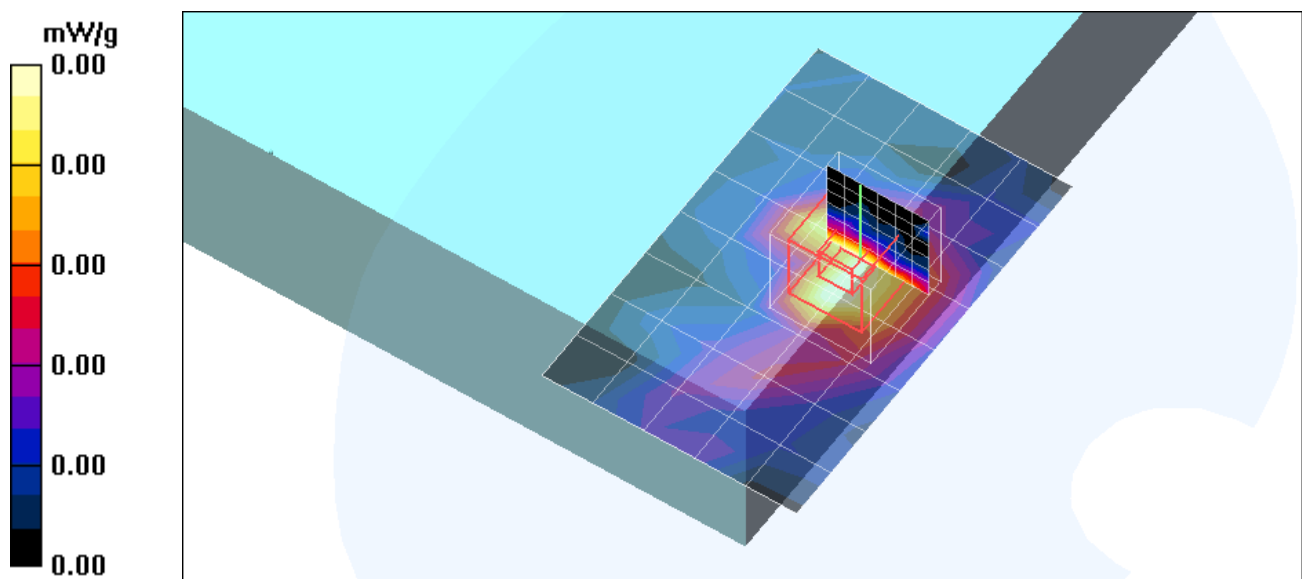**High Channel 11/Area Scan (6x9x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.00 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.34 V/m
Peak SAR (extrapolated) = 0.015 W/kg
SAR(1 g) = 0.00369 mW/g; SAR(10 g) = 0.00149 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; σ = 1.99 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3 ; Liquid level : 155 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: 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) = 13.4 mW/g

d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 85.9 V/m; Power Drift = -0.050 dB
Peak SAR (extrapolated) = 26.7 W/kg
SAR(1 g) = 12.4 mW/g; SAR(10 g) = 5.72 mW/g
Maximum value of SAR (measured) = 13.8 mW/g