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

EUT：Gun Type

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

EUT：Gun Type

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

EUT：Rotate Type

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

EUT Photo

Gun Type


Reference Point (Left Side)


Reference Point (Right Side)

PDA Type


802.11g

Liquid Level Photo

MSL2450MHz D=150mm

Date/Time: 2005/11/23 10:49:18

Test Laboratory: Advance Data Technology

Gun Type-Right Side-11b-Ch1-Mode 1

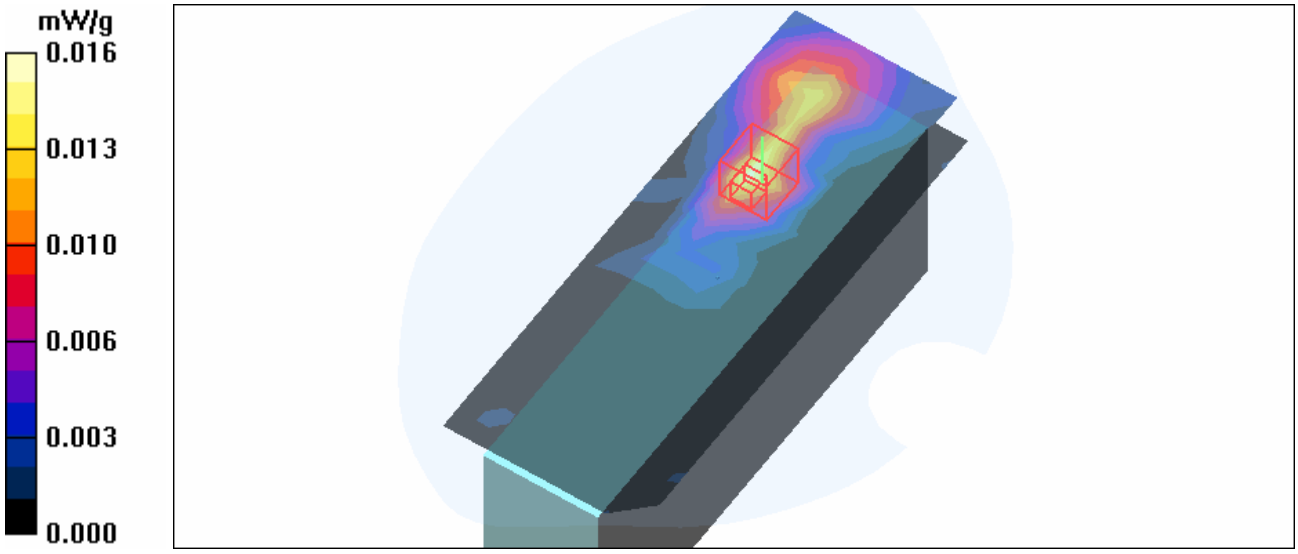
DUT: RF Card 802.11g ; Type: 8-0717-01 ; Test Frequency: 2412 MHz

Communication System: 802.11b ; Frequency: 2412 MHz ; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2412 MHz; σ = 1.88 mho/m; ε_r = 53.5; ρ = 1000 kg/m^3 ; Liquid Level : 150mm
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: CCK
Separation Distance : 0 mm (The right side of the EUT to the Phantom)
Antenna Type : PIFA Antenna ; Air Temp. : 21.1 degrees ; Liquid Temp. : 20.4 degrees

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

Low Channel 1/Area Scan (7x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.016 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.48 V/m
Peak SAR (extrapolated) = 0.080 W/kg
SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00618 mW/g



Date/Time: 2005/11/23 11:25:23

Test Laboratory: Advance Data Technology

Gun Type-Right Side-11b-Ch6-Mode 1

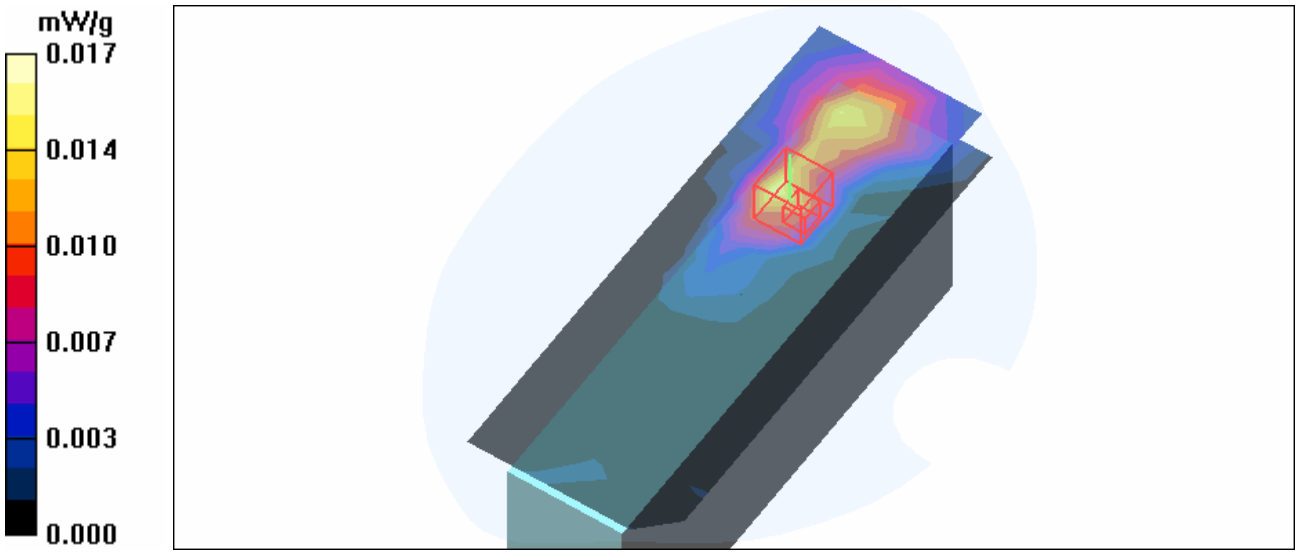
DUT: RF Card 802.11g ; Type: 8-0717-01 ; Test Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.92 mho/m; ε_r = 53.4; ρ = 1000 kg/m^3 ; Liquid Level : 150mm
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: CCK
Separation Distance : 0 mm (The right side of the EUT to the Phantom)
Antenna Type : PIFA Antenna ; Air Temp. : 21.1 degrees ; Liquid Temp. : 20.4 degrees

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

Mid Channel 6/Area Scan (7x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.015 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.42 V/m
Peak SAR (extrapolated) = 0.056 W/kg
SAR(1 g) = 0.010 mW/g; SAR(10 g) = 0.00233 mW/g
Maximum value of SAR (measured) = 0.017 mW/g



Date/Time: 2005/11/23 11:49:23

Test Laboratory: Advance Data Technology

Gun Type-Right Side-11b-Ch11-Mode 1

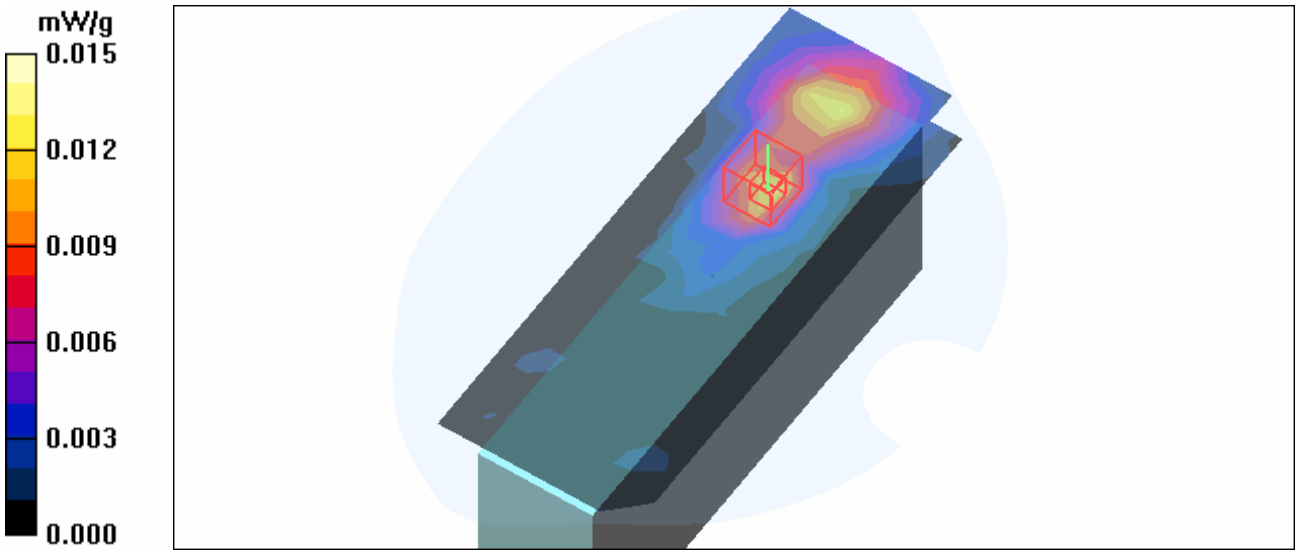
DUT: RF Card 802.11g ; Type: 8-0717-01 ; Test Frequency: 2462 MHz

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2462 MHz; σ = 1.96 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3 ; Liquid Level : 150mm
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: CCK
Separation Distance : 0 mm (The right side of the EUT to the Phantom)
Antenna Type : PIFA Antenna ; Air Temp. : 21.1 degrees ; Liquid Temp. : 20.4 degrees

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

High Channel 11/Area Scan (7x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.012 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.56 V/m
Peak SAR (extrapolated) = 0.063 W/kg
SAR(1 g) = 0.010 mW/g; SAR(10 g) = 0.00219 mW/g
Maximum value of SAR (measured) = 0.015 mW/g



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Test Laboratory: Advance Data Technology

Gun Type-Right Side-11g-Ch1-Mode 2

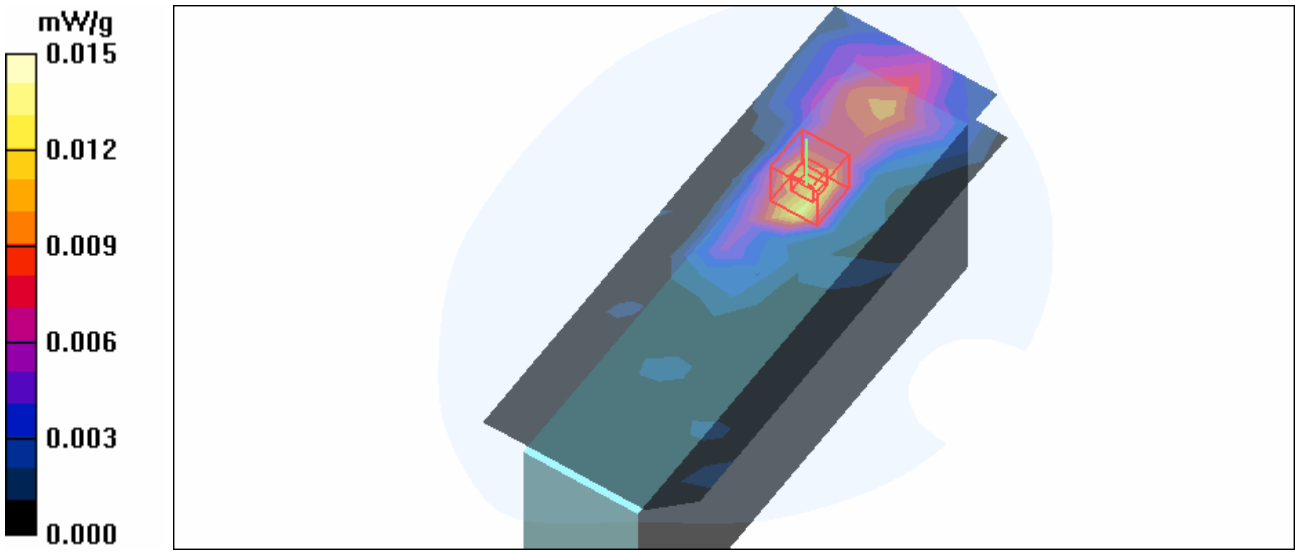
DUT: RF Card 802.11g ; Type: 8-0717-01 ; Test Frequency: 2412 MHz

Communication System: 802.11g ; Frequency: 2412 MHz ; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2412 MHz; σ = 1.88 mho/m; ε_r = 53.5; ρ = 1000 kg/m^3 ; Liquid Level : 150mm
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: OFDM
Separation Distance : 0 mm (The right side of the EUT to the Phantom)
Antenna Type : PIFA Antenna ; Air Temp. : 21.1 degrees ; Liquid Temp. : 20.4 degrees

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

Low Channel 1/Area Scan (7x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.013 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.19 V/m
Peak SAR (extrapolated) = 0.096 W/kg
SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.00558 mW/g
Maximum value of SAR (measured) = 0.015 mW/g



Date/Time: 2005/11/23 12:40:12

Test Laboratory: Advance Data Technology

Gun Type-Right Side-11g-Ch6-Mode 2

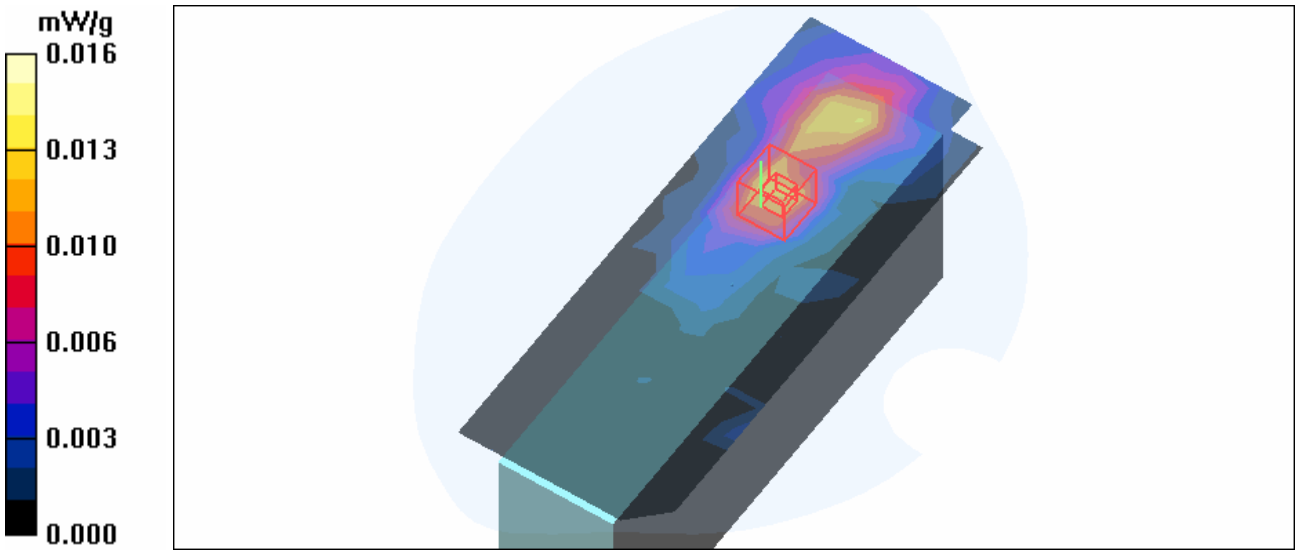
DUT: RF Card 802.11g ; Type: 8-0717-01 ; Test Frequency: 2437 MHz

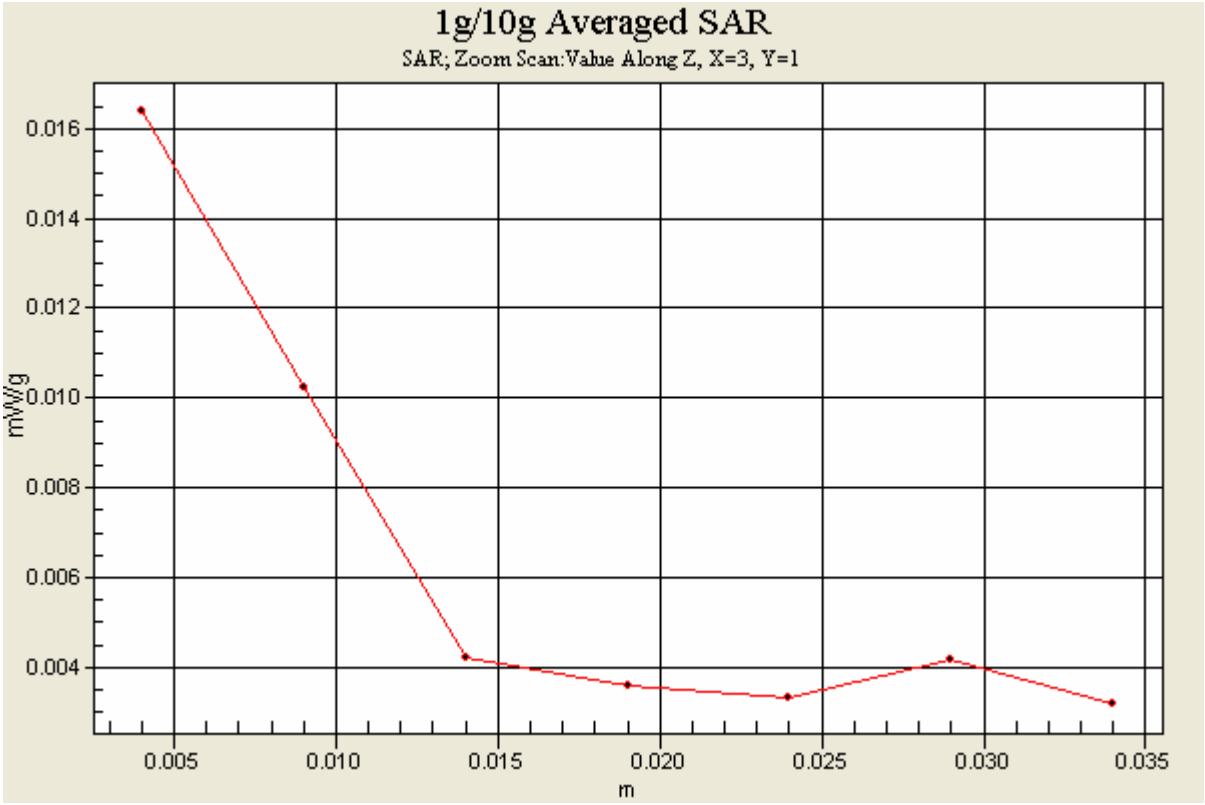
Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.92 mho/m; ε_r = 53.4; ρ = 1000 kg/m^3 ; Liquid Level : 150mm
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: OFDM
Separation Distance : 0 mm (The right side of the EUT to the Phantom)
Antenna Type : PIFA Antenna ; Air Temp. : 21.1 degrees ; Liquid Temp. : 20.4 degrees

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

Mid Channel 6/Area Scan (7x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.012 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.26 V/m
Peak SAR (extrapolated) = 0.086 W/kg
SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00641 mW/g
Maximum value of SAR (measured) = 0.016 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=3, Y=1
mW/g
0.016
0.014
0.012
0.010
0.008
0.006
0.004
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

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Test Laboratory: Advance Data Technology

Gun Type-Right Side-11g-Ch11-Mode 2

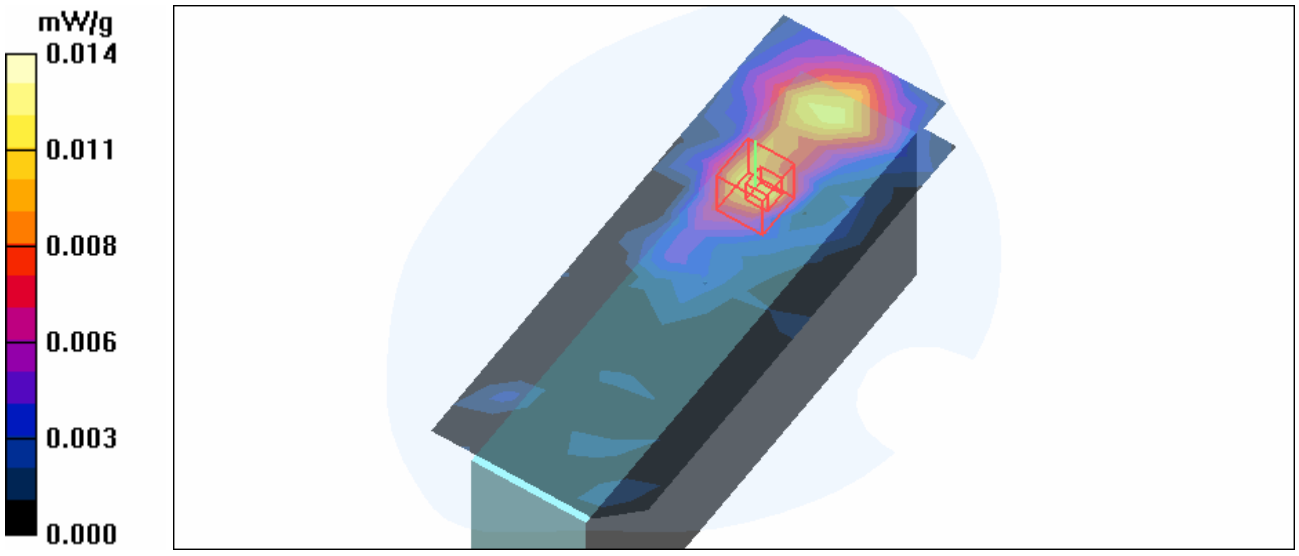
DUT: RF Card 802.11g ; Type: 8-0717-01 ; Test Frequency: 2462 MHz

Communication System: 802.11g ; Frequency: 2462 MHz ; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2462 MHz; σ = 1.96 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3 ; Liquid Level : 150mm
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: OFDM
Separation Distance : 0 mm (The right side of the EUT to the Phantom)
Antenna Type : PIFA Antenna ; Air Temp. : 21.1 degrees ; Liquid Temp. : 20.4 degrees

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

High Channel 11/Area Scan (7x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.010 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.18 V/m
Peak SAR (extrapolated) = 0.084 W/kg
SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00516 mW/g
Maximum value of SAR (measured) = 0.014 mW/g



Date/Time: 2005/11/23 13:33:13

Test Laboratory: Advance Data Technology

Gun Type-Left Side-11b-Ch1-Mode 3

DUT: RF Card 802.11g ; Type: 8-0717-01 ; Test Frequency: 2412 MHz

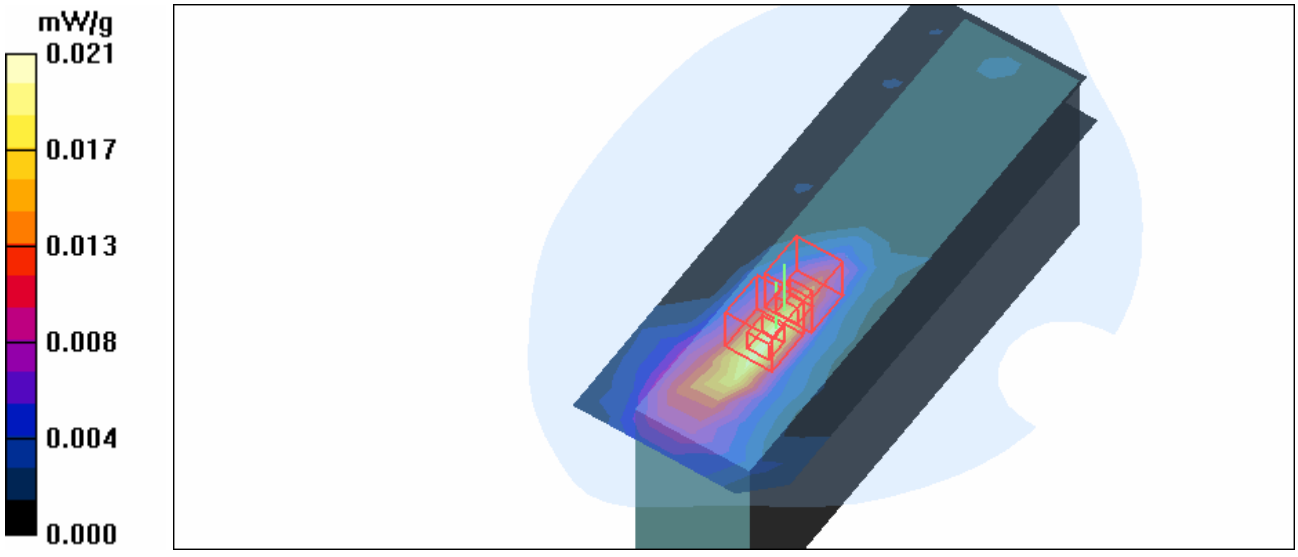
Communication System: 802.11b ; Frequency: 2412 MHz ; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2412 MHz; σ = 1.88 mho/m; ε_r = 53.5; ρ = 1000 kg/m^3 ; Liquid Level : 150mm
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: CCK
Separation Distance : 0 mm (The left side of the EUT to the Phantom)
Antenna Type : PIFA Antenna ; Air Temp. : 21.1 degrees ; Liquid Temp. : 20.4 degrees

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

Low Channel 1/Area Scan (7x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.020 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.73 V/m
Peak SAR (extrapolated) = 0.041 W/kg
SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00832 mW/g
Maximum value of SAR (measured) = 0.021 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.73 V/m
Peak SAR (extrapolated) = 0.059 W/kg
SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00578 mW/g
Maximum value of SAR (measured) = 0.018 mW/g



Date/Time: 2005/11/23 14:09:32

Test Laboratory: Advance Data Technology

Gun Type-Left Side-11b-Ch6-Mode 3

DUT: RF Card 802.11g ; Type: 8-0717-01 ; Test Frequency: 2437 MHz

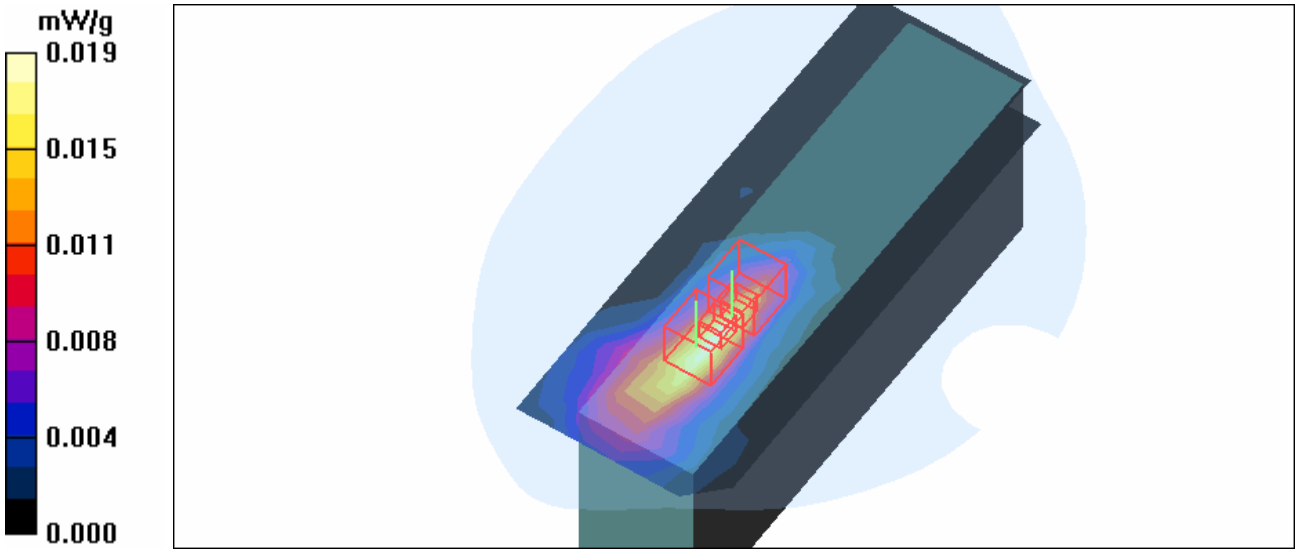
Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.92 mho/m; ε_r = 53.4; ρ = 1000 kg/m^3 ; Liquid Level : 150mm
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: CCK
Separation Distance : 0 mm (The left side of the EUT to the Phantom)
Antenna Type : PIFA Antenna ; Air Temp. : 21.1 degrees ; Liquid Temp. : 20.4 degrees

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

Mid Channel 6/Area Scan (7x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.019 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.67 V/m
Peak SAR (extrapolated) = 0.074 W/kg
SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.00782 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.67 V/m
Peak SAR (extrapolated) = 0.056 W/kg
SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00538 mW/g
Maximum value of SAR (measured) = 0.017 mW/g



Date/Time: 2005/11/23 14:34:40

Test Laboratory: Advance Data Technology

Gun Type-Left Side-11b-Ch11-Mode 3

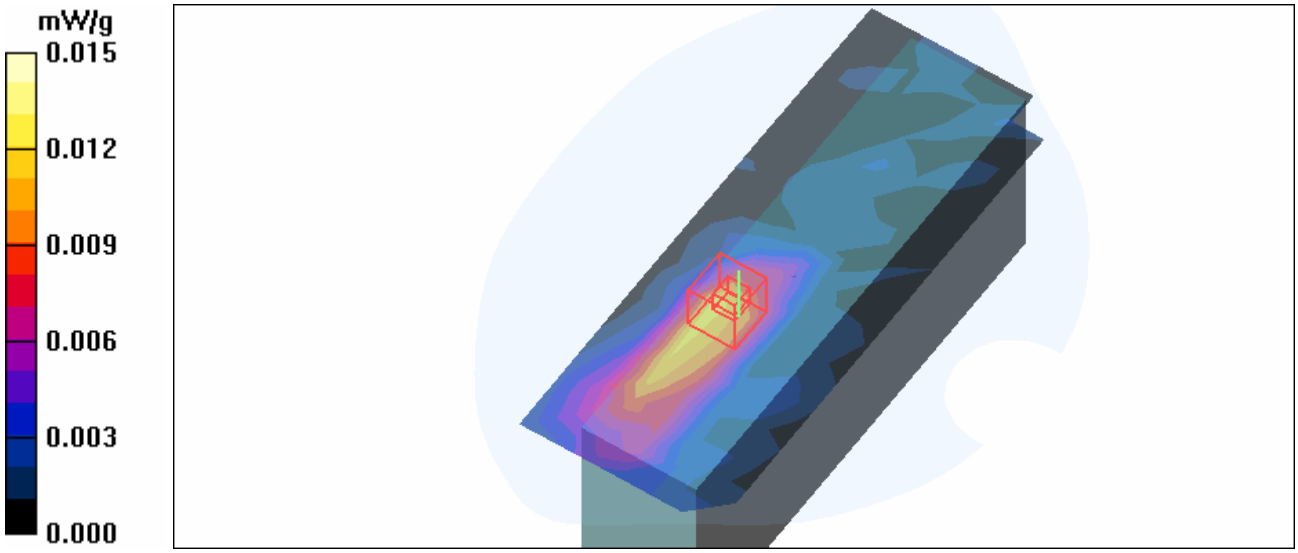
DUT: RF Card 802.11g ; Type: 8-0717-01 ; Test Frequency: 2462 MHz

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2462 MHz; σ = 1.96 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3 ; Liquid Level : 150mm
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: CCK
Separation Distance : 0 mm (The left side of the EUT to the Phantom)
Antenna Type : PIFA Antenna ; Air Temp. : 21.1 degrees ; Liquid Temp. : 20.4 degrees

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

High Channel 11/Area Scan (7x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.012 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.64 V/m
Peak SAR (extrapolated) = 0.074 W/kg
SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00609 mW/g
Maximum value of SAR (measured) = 0.015 mW/g



Date/Time: 2005/11/234 15:14:57

Test Laboratory: Advance Data Technology

Gun Type-Left Side-11g-Ch1-Mode 4

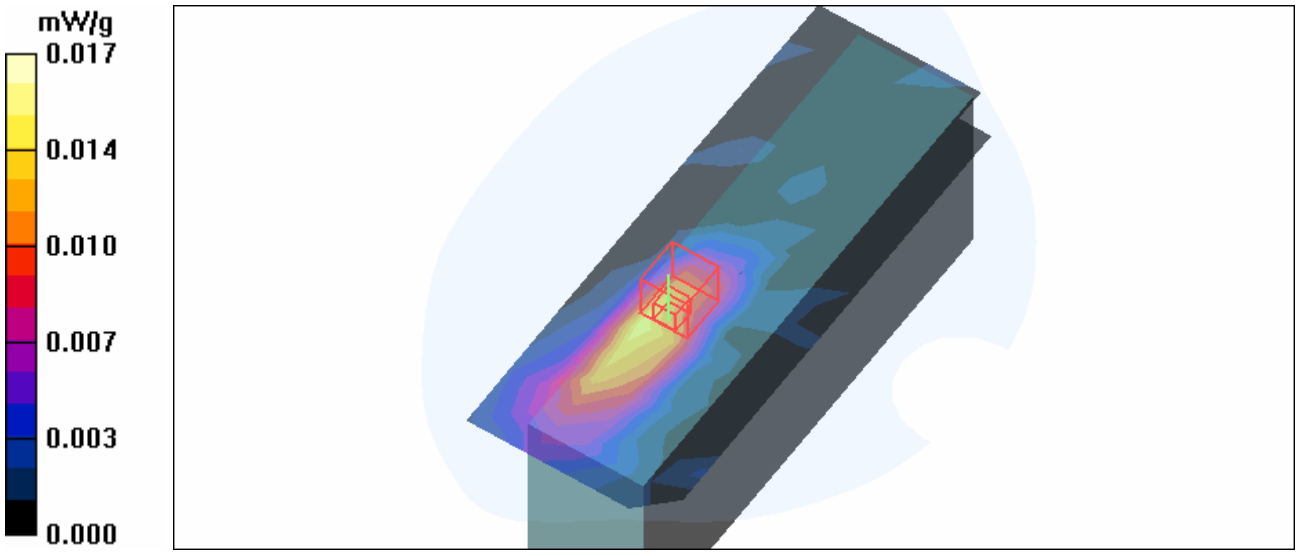
DUT: RF Card 802.11g ; Type: 8-0717-01 ; Test Frequency: 2412 MHz

Communication System: 802.11g ; Frequency: 2412 MHz ; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2412 MHz; σ = 1.88 mho/m; ε_r = 53.5; ρ = 1000 kg/m^3 ; Liquid Level : 150mm
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: OFDM
Separation Distance : 0 mm (The left side of the EUT to the Phantom)
Antenna Type : PIFA Antenna ; Air Temp. : 21.1 degrees ; Liquid Temp. : 20.4 degrees

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

Low Channel 1/Area Scan (7x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.015 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.87 V/m
Peak SAR (extrapolated) = 0.065 W/kg
SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00576 mW/g
Maximum value of SAR (measured) = 0.017 mW/g



Date/Time: 2005/11/23 15:38:21

Test Laboratory: Advance Data Technology

Gun Type-Left Side-11g-Ch6-Mode 4

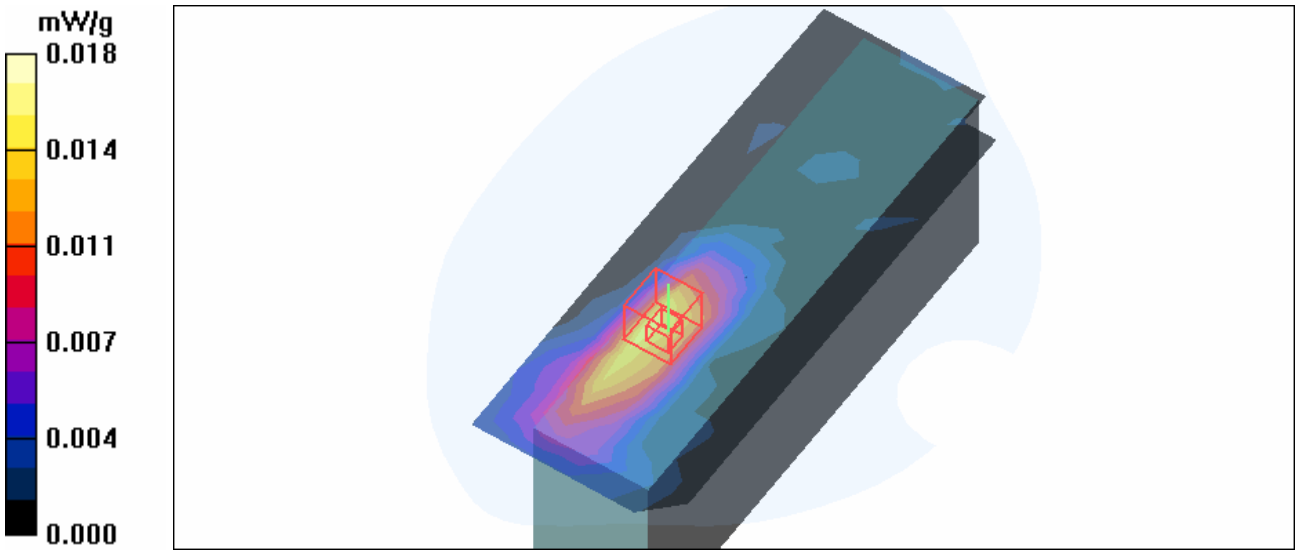
DUT: RF Card 802.11g ; Type: 8-0717-01 ; Test Frequency: 2437 MHz

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.92 mho/m; ε_r = 53.4; ρ = 1000 kg/m^3 ; Liquid Level : 150mm
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: OFDM
Separation Distance : 0 mm (The left side of the EUT to the Phantom)
Antenna Type : PIFA Antenna ; Air Temp. : 21.1 degrees ; Liquid Temp. : 20.4 degrees

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

Mid Channel 6/Area Scan (7x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.015 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.64 V/m
Peak SAR (extrapolated) = 0.034 W/kg
SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00693 mW/g
Maximum value of SAR (measured) = 0.018 mW/g



Date/Time: 2005/11/23 16:01:06

Test Laboratory: Advance Data Technology

Gun Type-Left Side-11g-Ch11-Mode 4

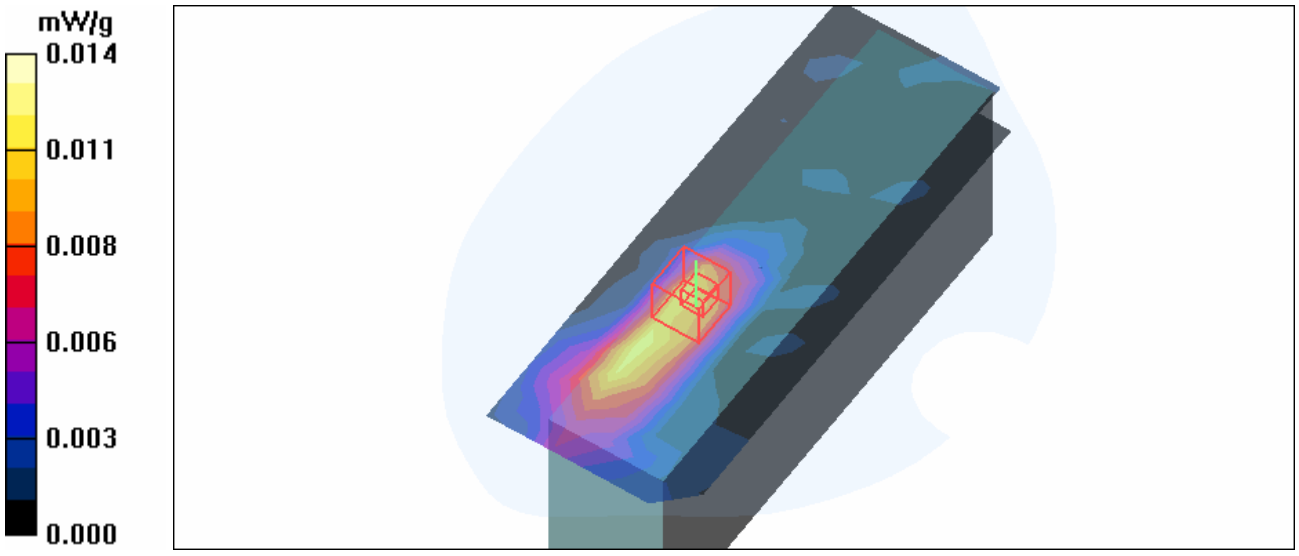
DUT: RF Card 802.11g ; Type: 8-0717-01 ; Test Frequency: 2462 MHz

Communication System: 802.11g ; Frequency: 2462 MHz ; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2462 MHz; σ = 1.96 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3 ; Liquid Level : 150mm
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: OFDM
Separation Distance : 0 mm (The left side of the EUT to the Phantom)
Antenna Type : PIFA Antenna ; Air Temp. : 21.1 degrees ; Liquid Temp. : 20.4 degrees

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

High Channel 11/Area Scan (7x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.012 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.49 V/m
Peak SAR (extrapolated) = 0.057 W/kg
SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00589 mW/g
Maximum value of SAR (measured) = 0.014 mW/g



Date/Time: 2005/11/23 16:47:53

Test Laboratory: Advance Data Technology

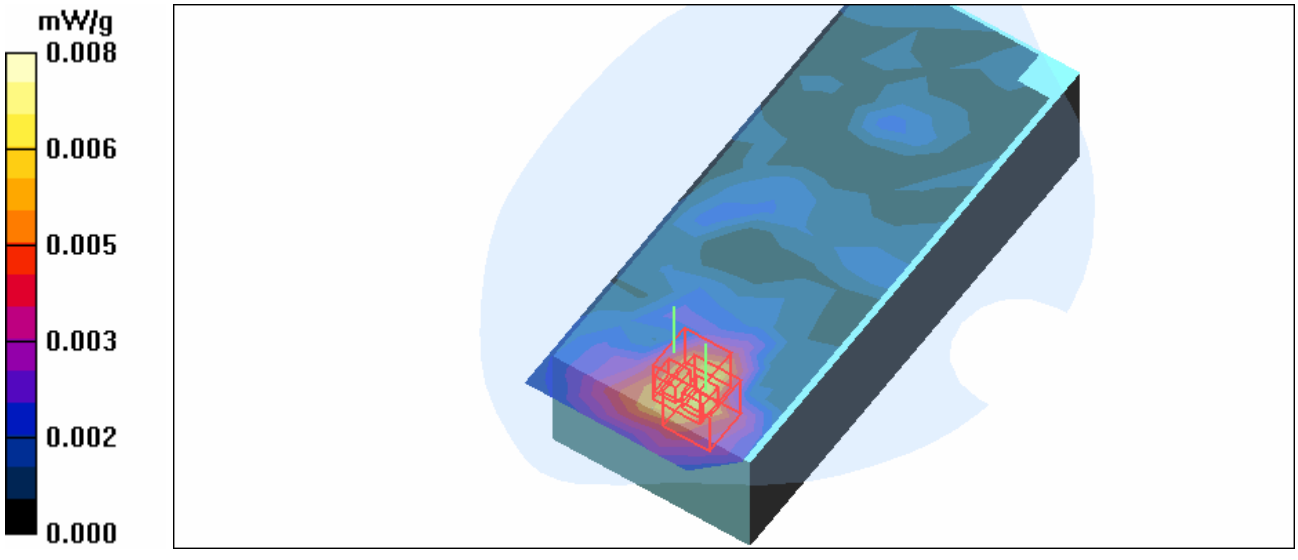
PDA Type-11b-Ch1-Mode 5

DUT: RF Card 802.11g ; Type: 8-0717-01 ; Test Frequency: 2412 MHz

Communication System: 802.11b ; Frequency: 2412 MHz ; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2412 MHz; σ = 1.88 mho/m; ε_r = 53.5; ρ = 1000 kg/m^3 ; Liquid Level : 150mm
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: CCK
Separation Distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna Type : PIFA Antenna ; Air Temp. : 21.1 degrees ; Liquid Temp. : 20.4 degrees

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

Low Channel 1/Area Scan (7x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.007 mW/g
Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.503 V/m
Peak SAR (extrapolated) = 0.035 W/kg
SAR(1 g) = 0.00715 mW/g; SAR(10 g) = 0.0031 mW/g
Maximum value of SAR (measured) = 0.008 mW/g
Low Channel 1/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.503 V/m
Peak SAR (extrapolated) = 0.024 W/kg
SAR(1 g) = 0.00621 mW/g; SAR(10 g) = 0.00239 mW/g



Date/Time: 2005/11/23 17:26:01

Test Laboratory: Advance Data Technology

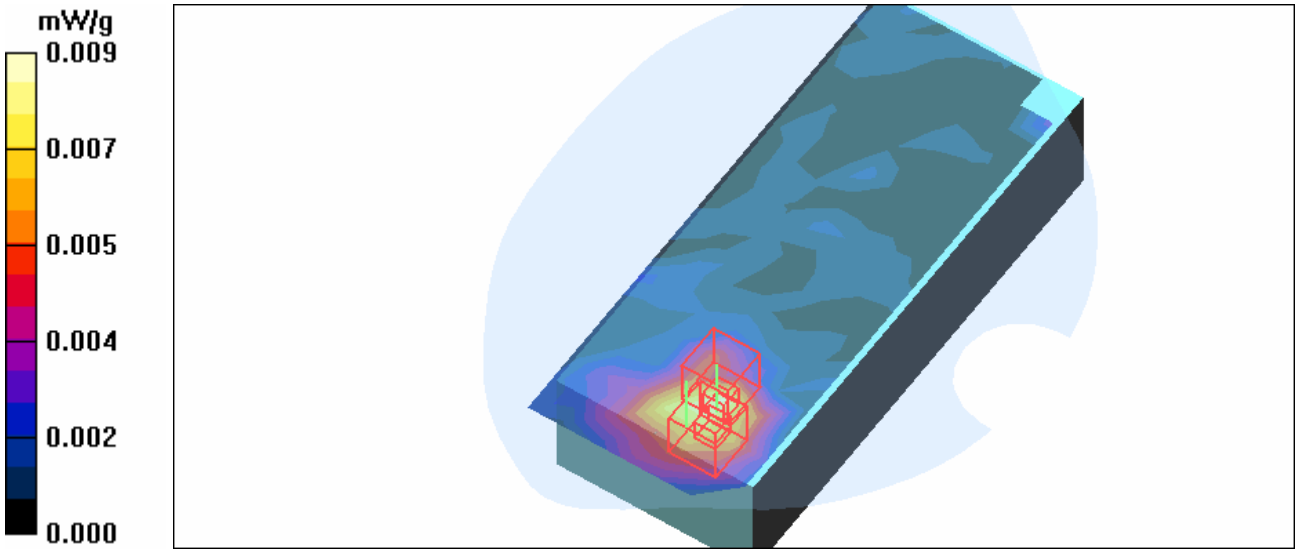
PDA Type-11b-Ch6-Mode 5

DUT: RF Card 802.11g ; Type: 8-0717-01 ; Test Frequency: 2437 MHz

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.92 mho/m; ε_r = 53.4; ρ = 1000 kg/m^3 ; Liquid Level : 150mm
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: CCK
Separation Distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna Type : PIFA Antenna ; Air Temp. : 21.1 degrees ; Liquid Temp. : 20.4 degrees

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

Mid Channel 6/Area Scan (7x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.009 mW/g
Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.751 V/m
Peak SAR (extrapolated) = 0.047 W/kg
SAR(1 g) = 0.010 mW/g; SAR(10 g) = 0.00331 mW/g
Mid Channel 6/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.751 V/m
Peak SAR (extrapolated) = 0.047 W/kg
SAR(1 g) = 0.00971 mW/g; SAR(10 g) = 0.00323 mW/g



Date/Time: 2005/11/23 18:01:02

Test Laboratory: Advance Data Technology

PDA Type-11b-Ch11-Mode 5

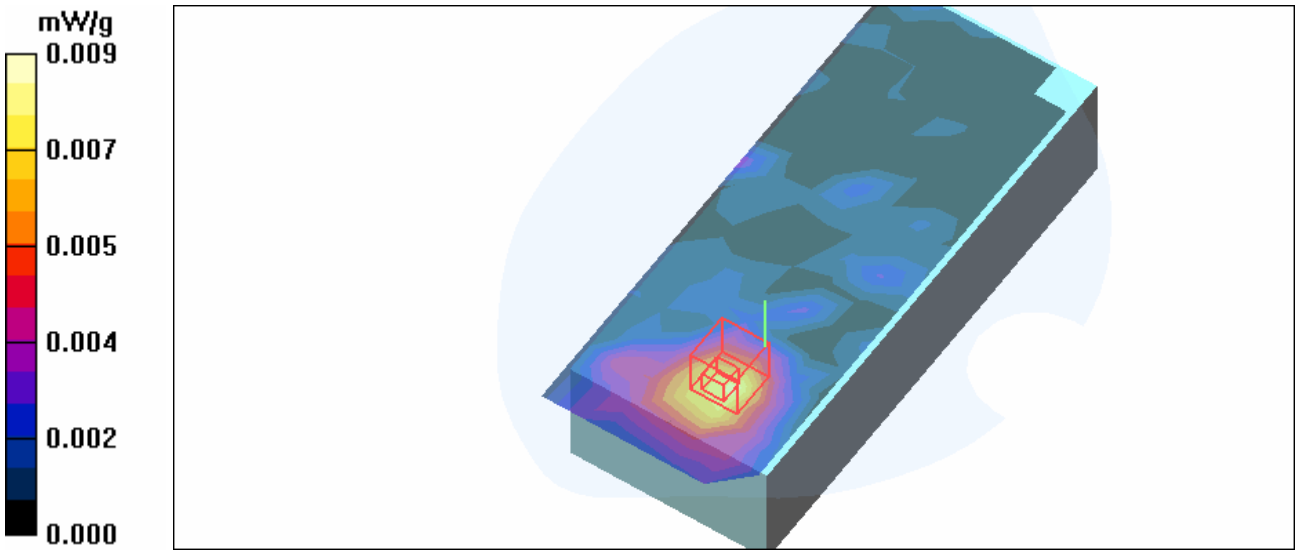
DUT: RF Card 802.11g ; Type: 8-0717-01 ; Test Frequency: 2462 MHz

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2462 MHz; σ = 1.96 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3 ; Liquid Level : 150mm
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: CCK
Separation Distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna Type : PIFA Antenna ; Air Temp. : 21.1 degrees ; Liquid Temp. : 20.4 degrees

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

High Channel 11/Area Scan (7x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.008 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.102 V/m
Peak SAR (extrapolated) = 0.050 W/kg
SAR(1 g) = 0.010 mW/g; SAR(10 g) = 0.00372 mW/g
Maximum value of SAR (measured) = 0.009 mW/g



Date/Time: 2005/11/23 18:41:54

Test Laboratory: Advance Data Technology

PDA Type-11g-Ch1-Mode 6

DUT: RF Card 802.11g ; Type: 8-0717-01 ; Test Frequency: 2412 MHz

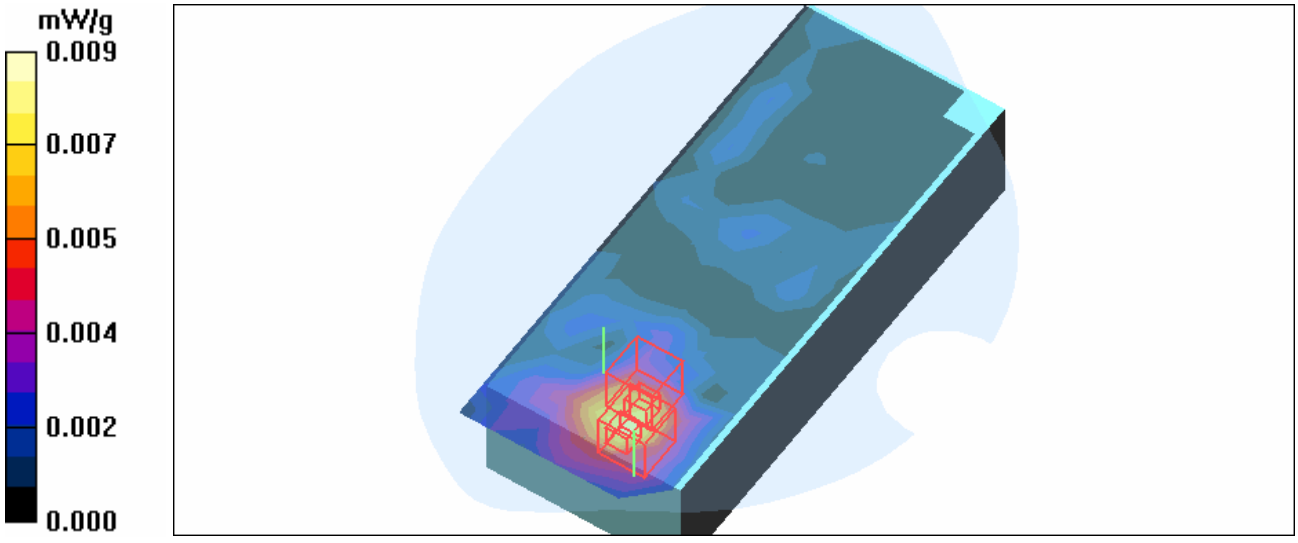
Communication System: 802.11g ; Frequency: 2412 MHz ; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2412 MHz; σ = 1.88 mho/m; ε_r = 53.5; ρ = 1000 kg/m^3 ; Liquid Level : 150mm
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: OFDM
Separation Distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna Type : PIFA Antenna ; Air Temp. : 21.1 degrees ; Liquid Temp. : 20.4 degrees

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

Low Channel 1/Area Scan (7x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.008 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.713 V/m
Peak SAR (extrapolated) = 0.029 W/kg
SAR(1 g) = 0.00687 mW/g; SAR(10 g) = 0.00287 mW/g
Maximum value of SAR (measured) = 0.010 mW/g

Low Channel 1/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.713 V/m
Peak SAR (extrapolated) = 0.049 W/kg
SAR(1 g) = 0.0097 mW/g; SAR(10 g) = 0.00298 mW/g
Maximum value of SAR (measured) = 0.009 mW/g



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Test Laboratory: Advance Data Technology

PDA Type-11g-Ch6-Mode 6

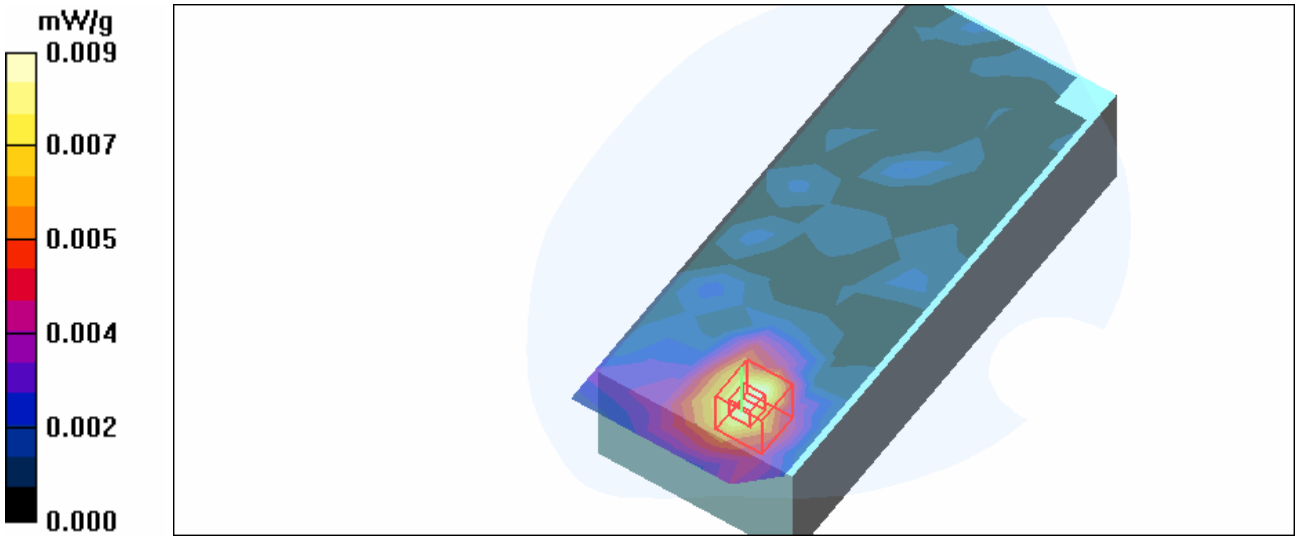
DUT: RF Card 802.11g ; Type: 8-0717-01 ; Test Frequency: 2437 MHz

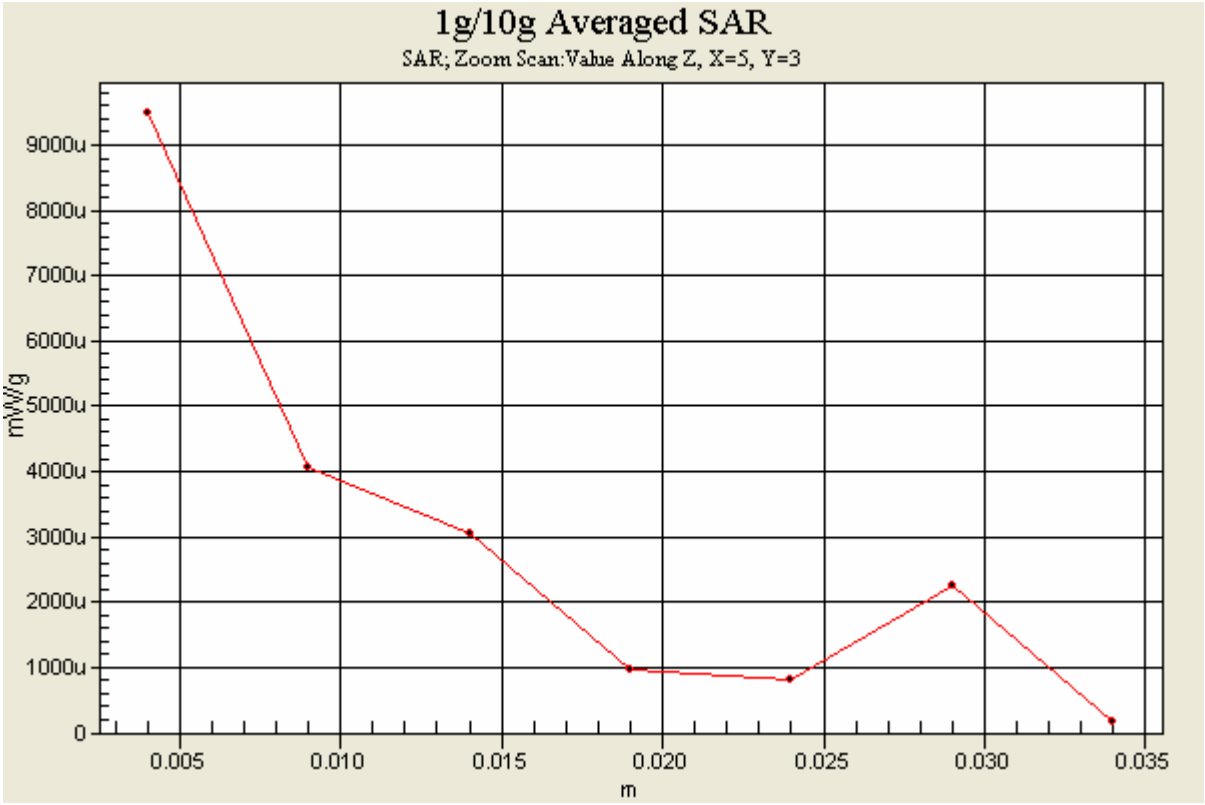
Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2437 MHz; σ = 1.92 mho/m; ε_r = 53.4; ρ = 1000 kg/m^3 ; Liquid Level : 150mm
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: OFDM
Separation Distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna Type : PIFA Antenna ; Air Temp. : 21.1 degrees ; Liquid Temp. : 20.4 degrees

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

Mid Channel 6/Area Scan (7x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.009 mW/g

Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.424 V/m
Peak SAR (extrapolated) = 0.054 W/kg
SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00428 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=5, Y=3
9000u
8000u
7000u
6000u
5000u
4000u
3000u
2000u
1000u
0
mW/g
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

Date/Time: 2005/11/23 19:47:45

Test Laboratory: Advance Data Technology

PDA Type-11g-Ch11-Mode 6

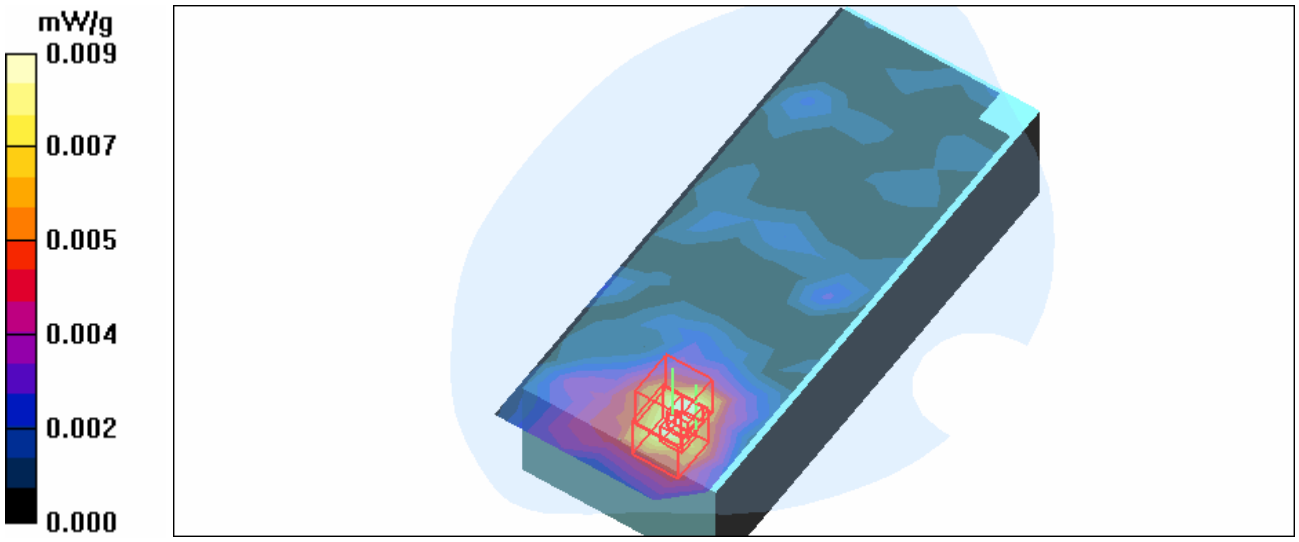
DUT: RF Card 802.11g ; Type: 8-0717-01 ; Test Frequency: 2462 MHz

Communication System: 802.11g ; Frequency: 2462 MHz ; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2462 MHz; σ = 1.96 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3 ; Liquid Level : 150mm
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: OFDM
Separation Distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna Type : PIFA Antenna ; Air Temp. : 21.1 degrees ; Liquid Temp. : 20.4 degrees

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

High Channel 11/Area Scan (7x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.010 mW/g

High Channel 11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.463 V/m
Peak SAR (extrapolated) = 0.058 W/kg
SAR(1 g) = 0.010 mW/g; SAR(10 g) = 0.00201 mW/g
Maximum value of SAR (measured) = 0.009 mW/g
High Channel 11/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.463 V/m
Peak SAR (extrapolated) = 0.052 W/kg
SAR(1 g) = 0.010 mW/g; SAR(10 g) = 0.00421 mW/g



Date/Time: 2005/11/23 10:04:23

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 = 1.94 mho/m; ε_r = 53.4; ρ = 1000 kg/m^3 ; Liquid level : 150 mm
Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)Air temp. : 21.1 degrees ; Liquid temp. : 20.4 degrees

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

d=10mm, Pin=250mW/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 14.0 mW/g

d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 89.9 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 27.3 W/kg
SAR(1 g) = 12.6 mW/g; SAR(10 g) = 5.75 mW/g
Maximum value of SAR (measured) = 14.3 mW/g