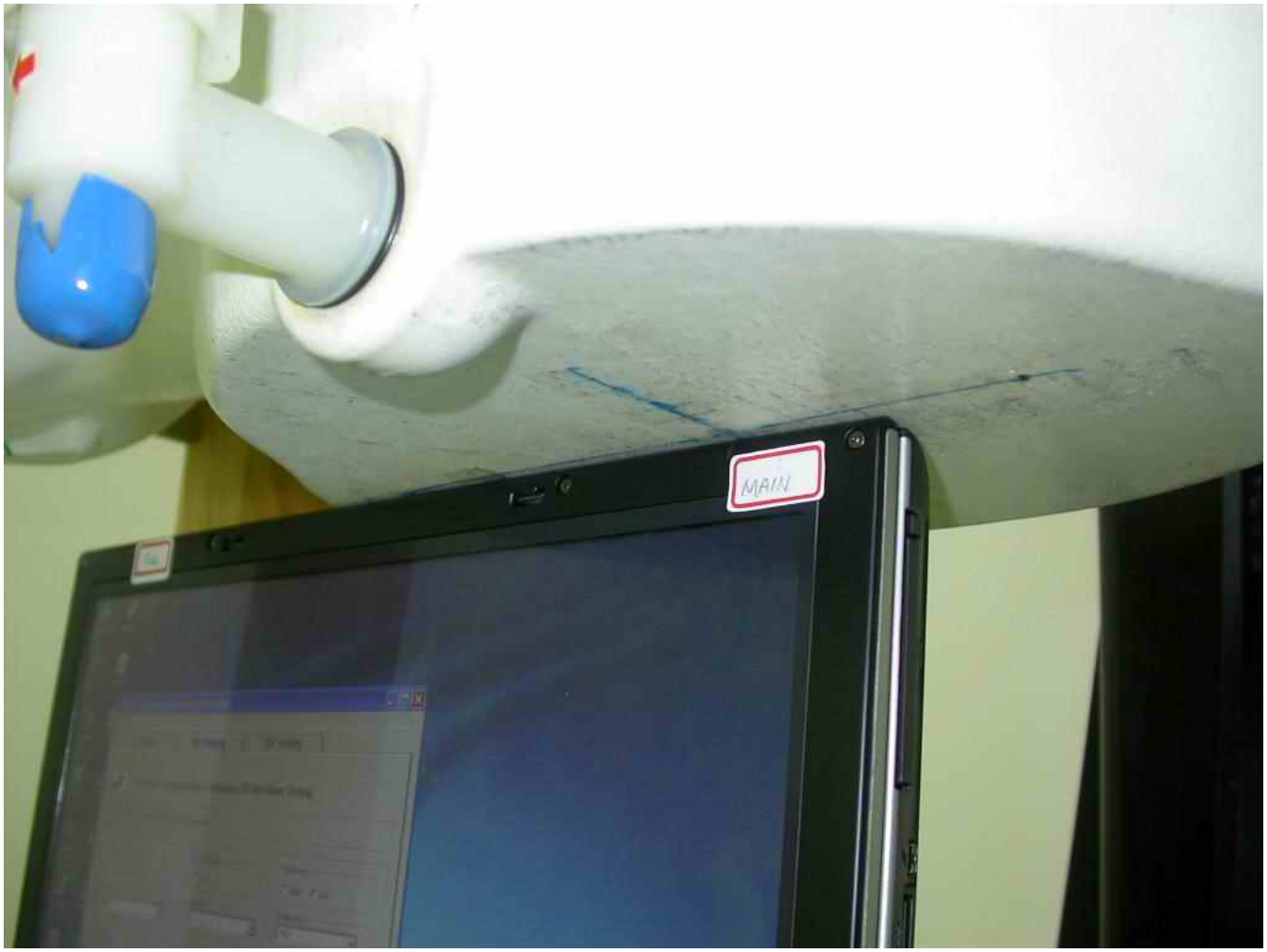
## APPENDIX A: TEST CONFIGURATIONS AND TEST DATA
## A1: TEST CONFIGURATION

# Main Antenna

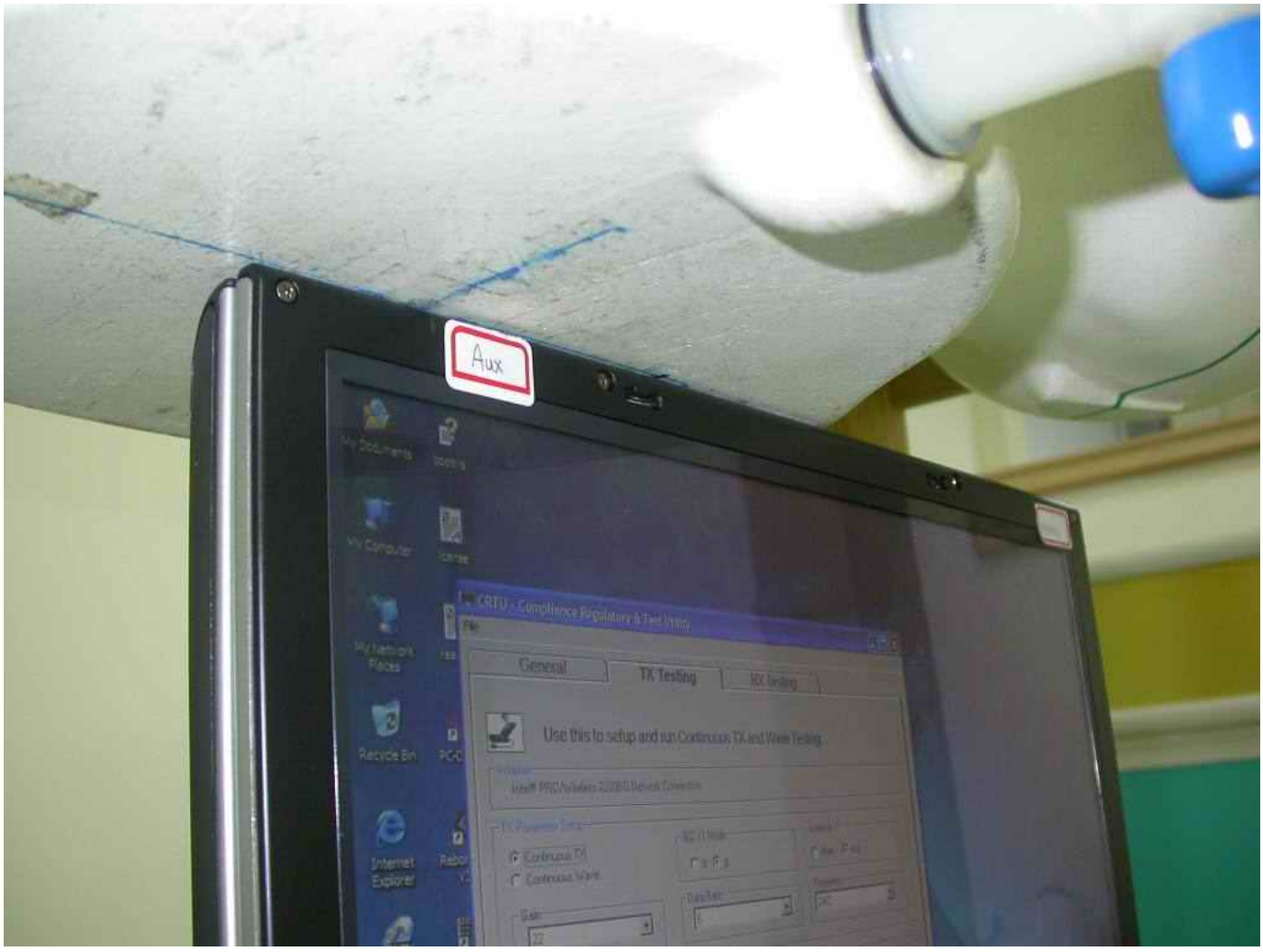



**The tip of the EUT to the flat phantom distance 0 mm**

## 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



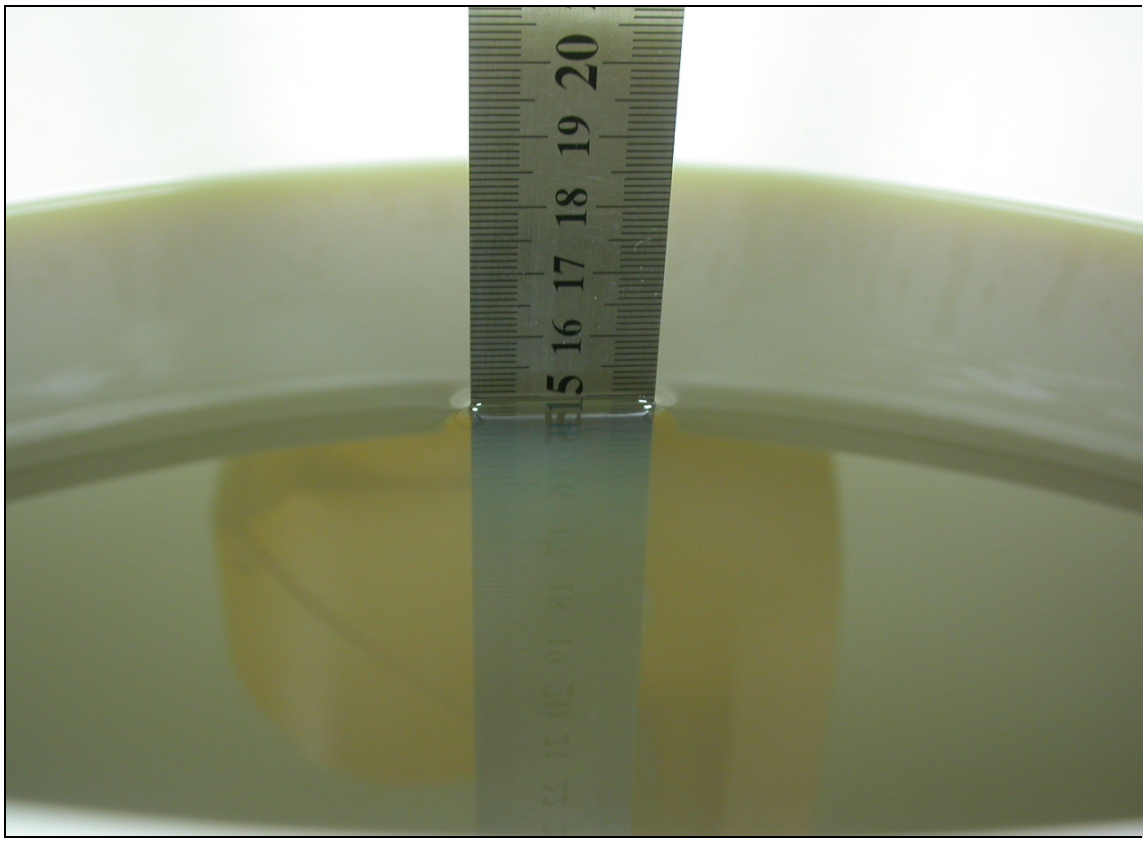
Gateway


Auxiliary Ant
Main Ant
Gateway

# Liquid Level Photo

**MSL 2450MHz D=151mm**

**MSL 5000MHz D=150mm**



Date/Time: 2005/6/30 10:46:36

Test Laboratory: Advance Data Technology

## TA1 Tip 11b Main Antenna Mode 1

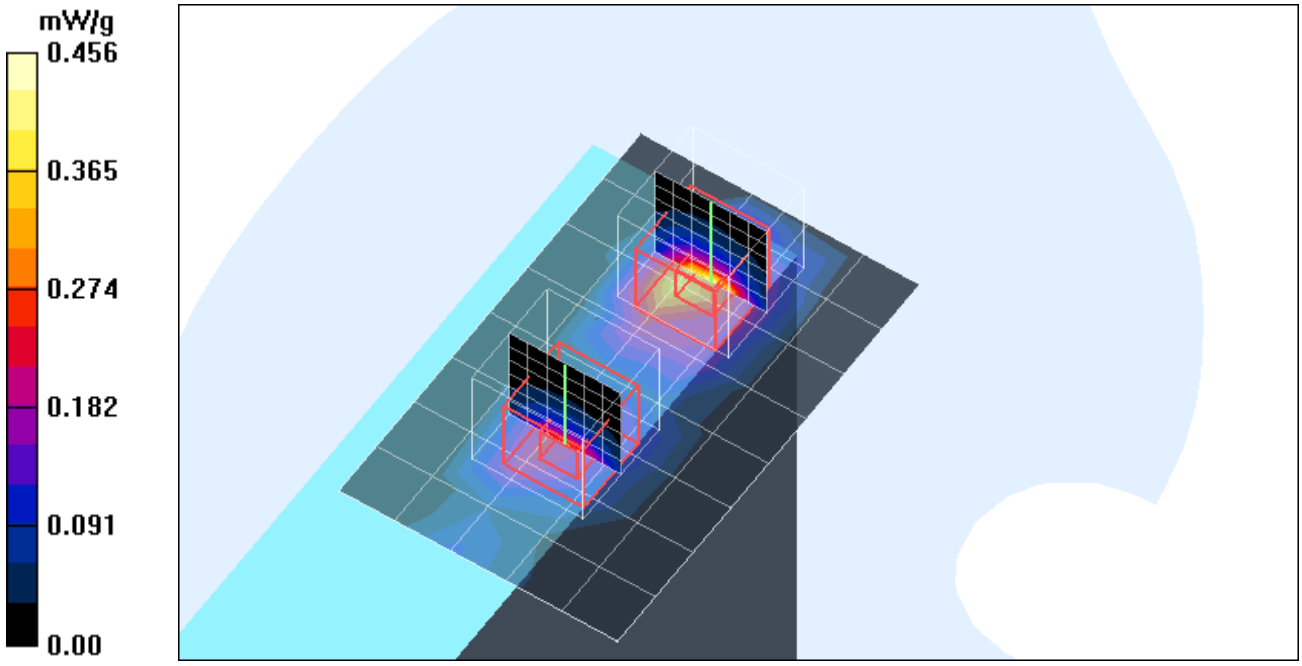
**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 2412 MHz**

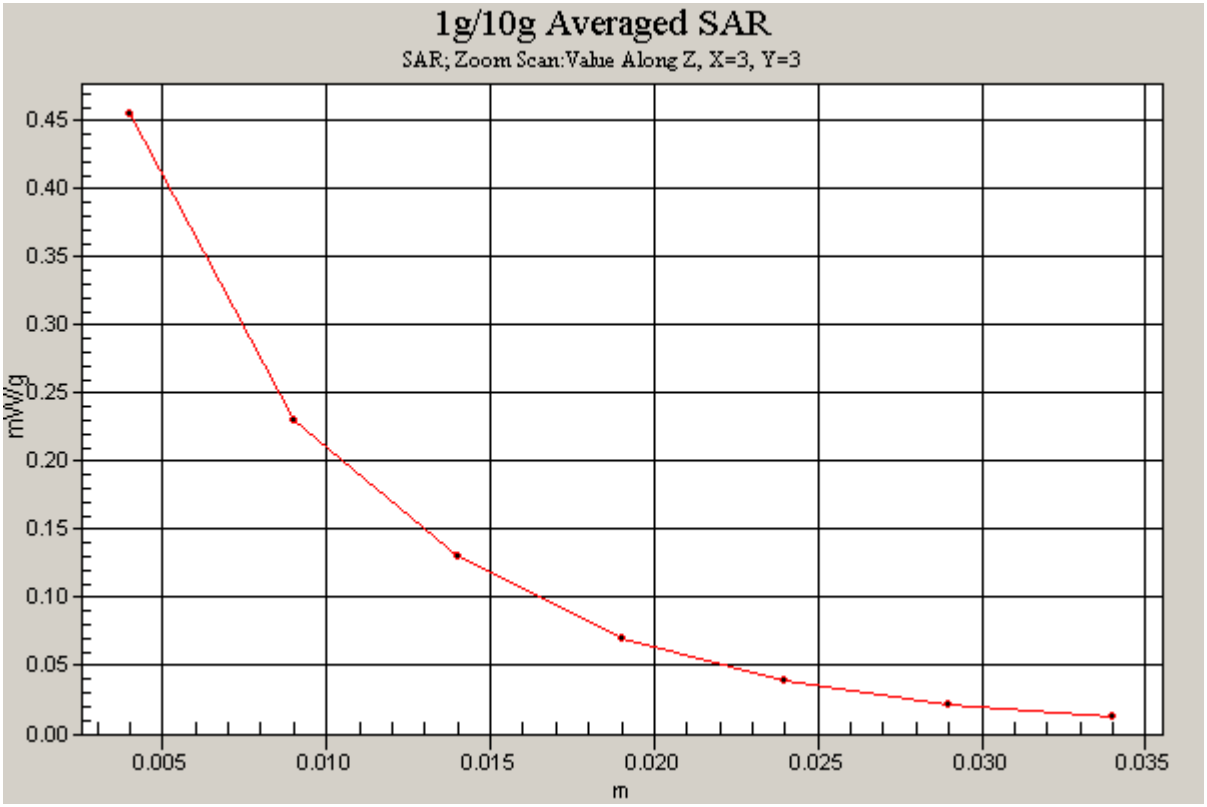
Communication System: 802.11b ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: f = 2412 MHz; $\sigma$ = 1.95 mho/m; $\varepsilon_r$ = 53.1; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
Phantom section: Flat Section ; Separation distance : 0 mm (The 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) = 0.365 mW/g

**Low Channel 1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.2 V/m
Peak SAR (extrapolated) = 0.896 W/kg
**SAR(1 g) = 0.399 mW/g; SAR(10 g) = 0.182 mW/g**
Maximum value of SAR (measured) = 0.456 mW/g

**Low Channel 1/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.2 V/m
Peak SAR (extrapolated) = 0.611 W/kg
**SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.116 mW/g**
Maximum value of SAR (measured) = 0.296 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=3, Y=3
mW/g
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

Date/Time: 2005/6/30 11:16:59

Test Laboratory: Advance Data Technology

## TA1 Tip 11b Main Antenna Mode 1

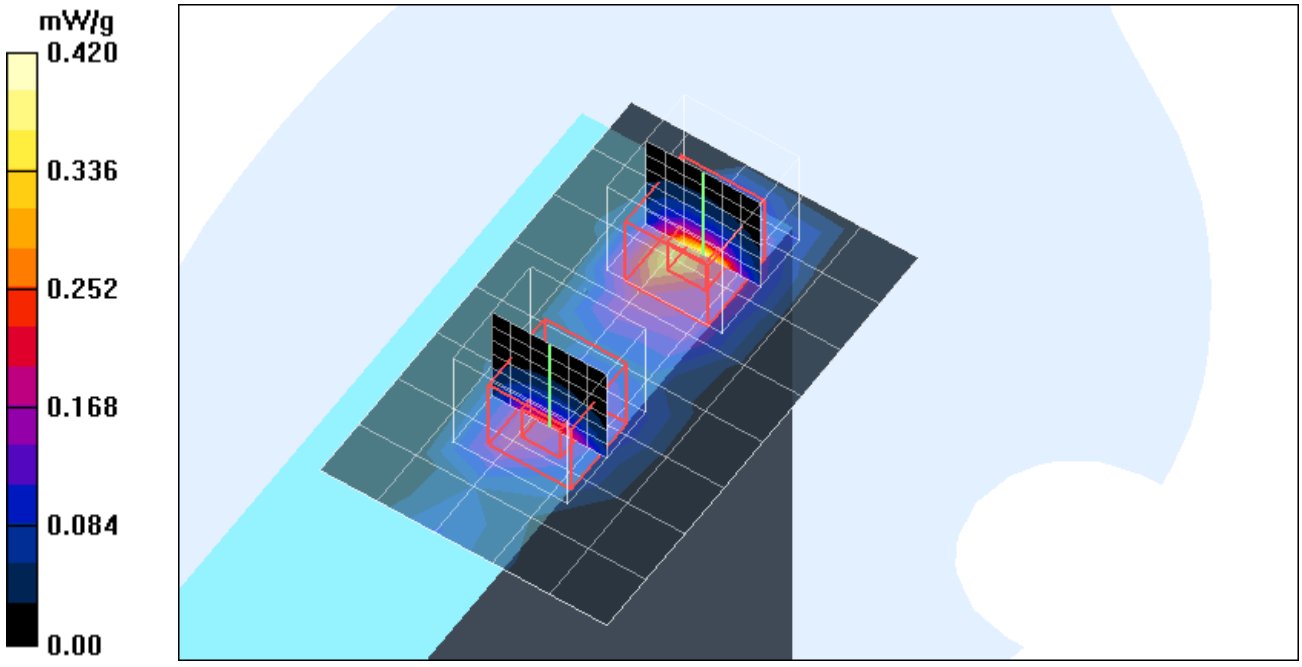
**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 2437 MHz**

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: f = 2437 MHz; $\sigma$ = 1.99 mho/m; $\varepsilon_r$ = 53.1; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.318 mW/g

**Middle Channel 6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.56 V/m
Peak SAR (extrapolated) = 0.823 W/kg
**SAR(1 g) = 0.369 mW/g; SAR(10 g) = 0.167 mW/g**
Maximum value of SAR (measured) = 0.420 mW/g

**Middle Channel 6/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.56 V/m
Peak SAR (extrapolated) = 0.592 W/kg
**SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.112 mW/g**
Maximum value of SAR (measured) = 0.282 mW/g



Date/Time: 2005/6/30 11:45:24

Test Laboratory: Advance Data Technology

## TA1 Tip 11b Main Antenna Mode 1

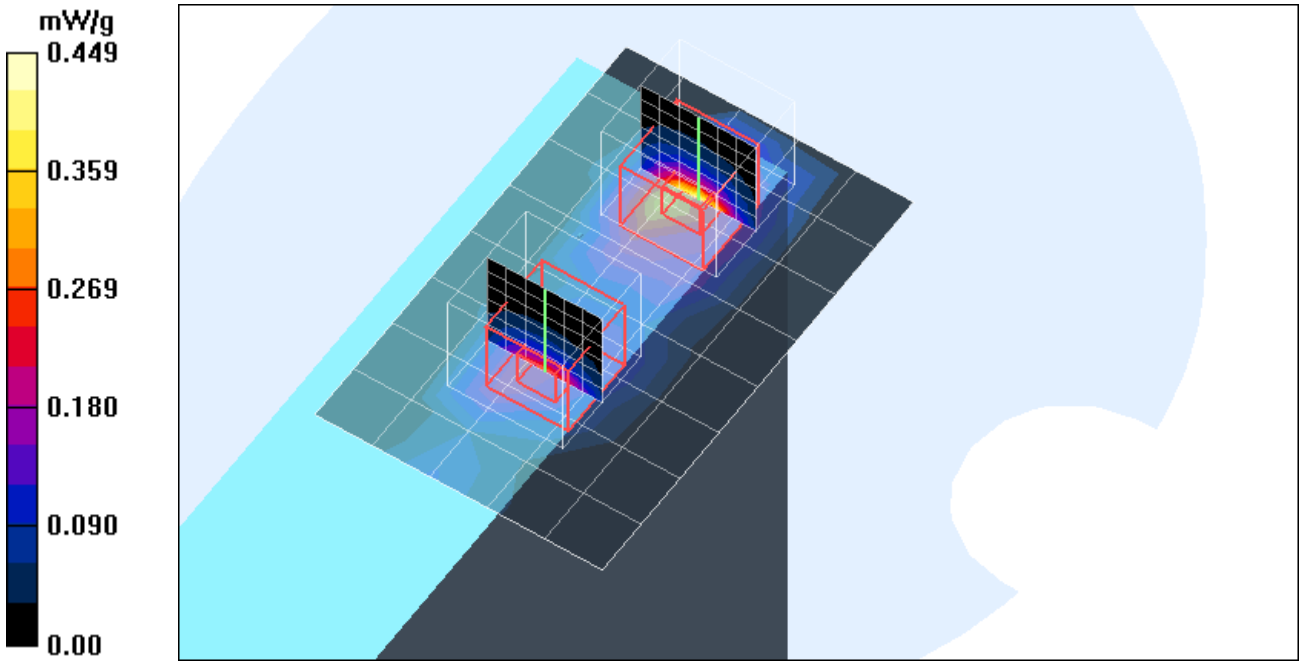
**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 2462 MHz**

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: f = 2462 MHz; $\sigma$ = 2.03 mho/m; $\varepsilon_r$ = 53; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.332 mW/g

**High Channel 11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.0 V/m
Peak SAR (extrapolated) = 0.896 W/kg
**SAR(1 g) = 0.396 mW/g; SAR(10 g) = 0.177 mW/g**
Maximum value of SAR (measured) = 0.449 mW/g

**High Channel 11/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.0 V/m
Peak SAR (extrapolated) = 0.656 W/kg
**SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.122 mW/g**
Maximum value of SAR (measured) = 0.309 mW/g



Date/Time: 2005/6/30 12:44:40

Test Laboratory: Advance Data Technology

## TA1 Tip 11g Main Antenna Mode 2

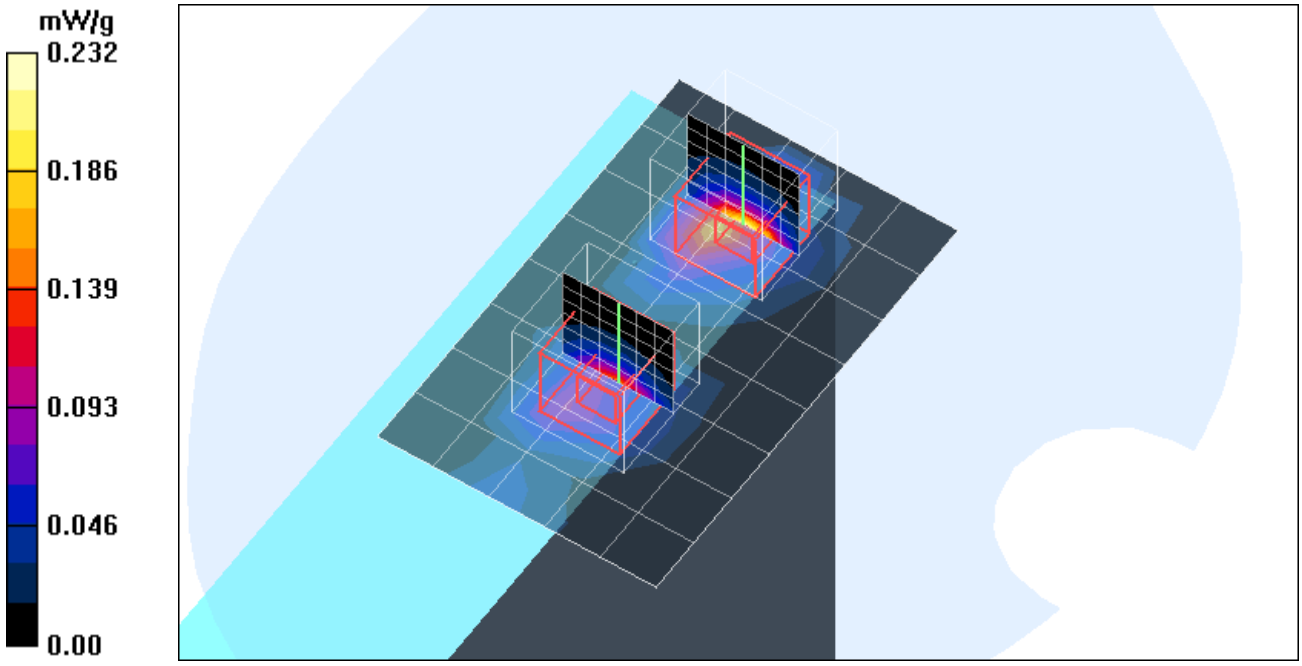
**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 2412 MHz**

Communication System: 802.11g ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2412 MHz; $\sigma$ = 1.95 mho/m; $\varepsilon_r$ = 53.1; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.166 mW/g

**Low Channel 1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.90 V/m
Peak SAR (extrapolated) = 0.456 W/kg
**SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.093 mW/g**
Maximum value of SAR (measured) = 0.232 mW/g

**Low Channel 1/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.90 V/m
Peak SAR (extrapolated) = 0.329 W/kg
**SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.063 mW/g**
Maximum value of SAR (measured) = 0.157 mW/g



Date/Time: 2005/6/30 13:22:18

Test Laboratory: Advance Data Technology

## TA1 Tip 11g Main Antenna Mode 2

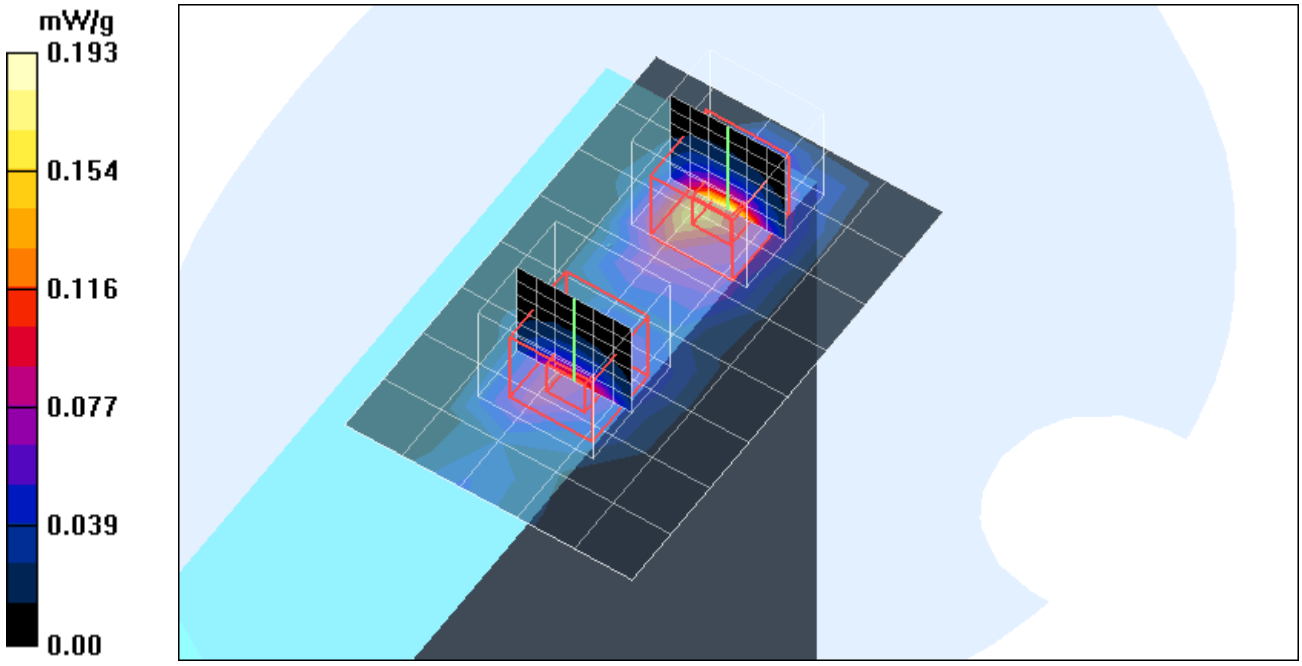
**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 2437 MHz**

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2437 MHz; $\sigma$ = 1.99 mho/m; $\varepsilon_r$ = 53.1; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.146 mW/g

**Middle Channel 6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.45 V/m
Peak SAR (extrapolated) = 0.379 W/kg
**SAR(1 g) = 0.170 mW/g; SAR(10 g) = 0.076 mW/g**
Maximum value of SAR (measured) = 0.193 mW/g

**Middle Channel 6/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.45 V/m
Peak SAR (extrapolated) = 0.285 W/kg
**SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.053 mW/g**
Maximum value of SAR (measured) = 0.133 mW/g



Date/Time: 2005/6/30 13:52:04

Test Laboratory: Advance Data Technology

## TA1 Tip 11g Main Antenna Mode 2

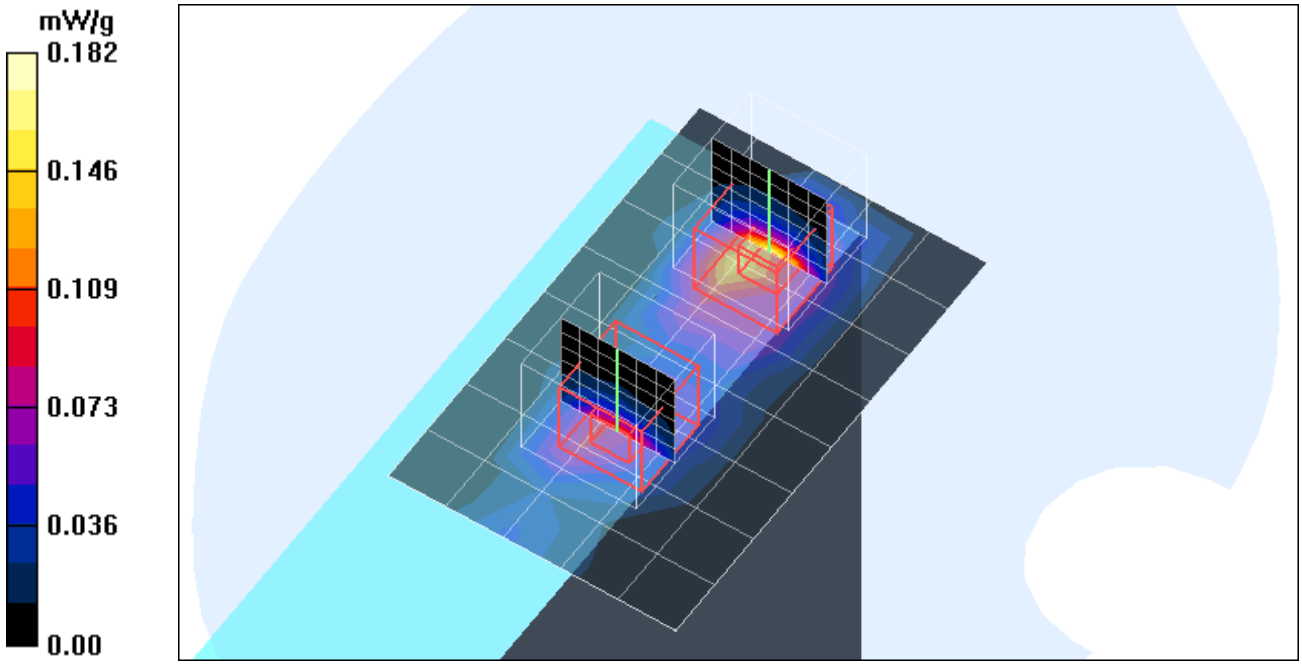
**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 2462 MHz**

Communication System: 802.11g ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2462 MHz; $\sigma$ = 2.03 mho/m; $\varepsilon_r$ = 53; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.139 mW/g

**High Channel 11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.52 V/m
Peak SAR (extrapolated) = 0.367 W/kg
**SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.072 mW/g**
Maximum value of SAR (measured) = 0.182 mW/g

**High Channel 11/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.52 V/m
Peak SAR (extrapolated) = 0.267 W/kg
**SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.050 mW/g**
Maximum value of SAR (measured) = 0.125 mW/g



Date/Time: 2005/6/30 14:59:03

Test Laboratory: Advance Data Technology

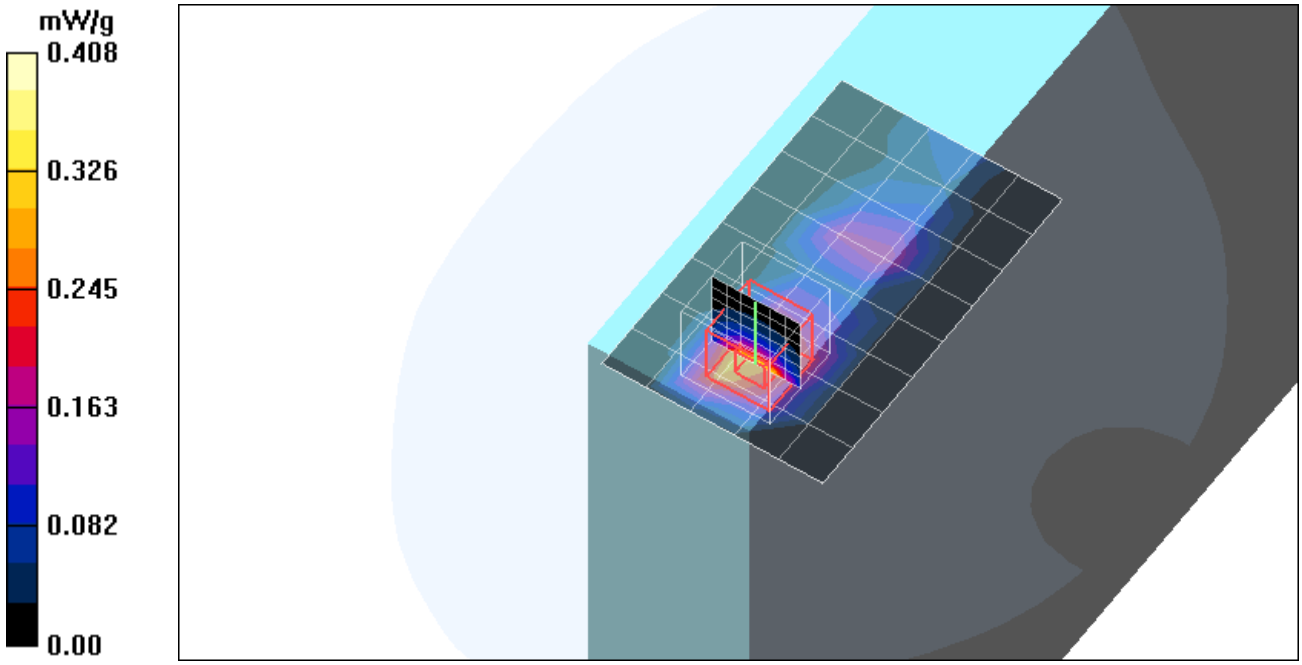
## TA1 Tip 11b Auxiliary Antenna Mode 3

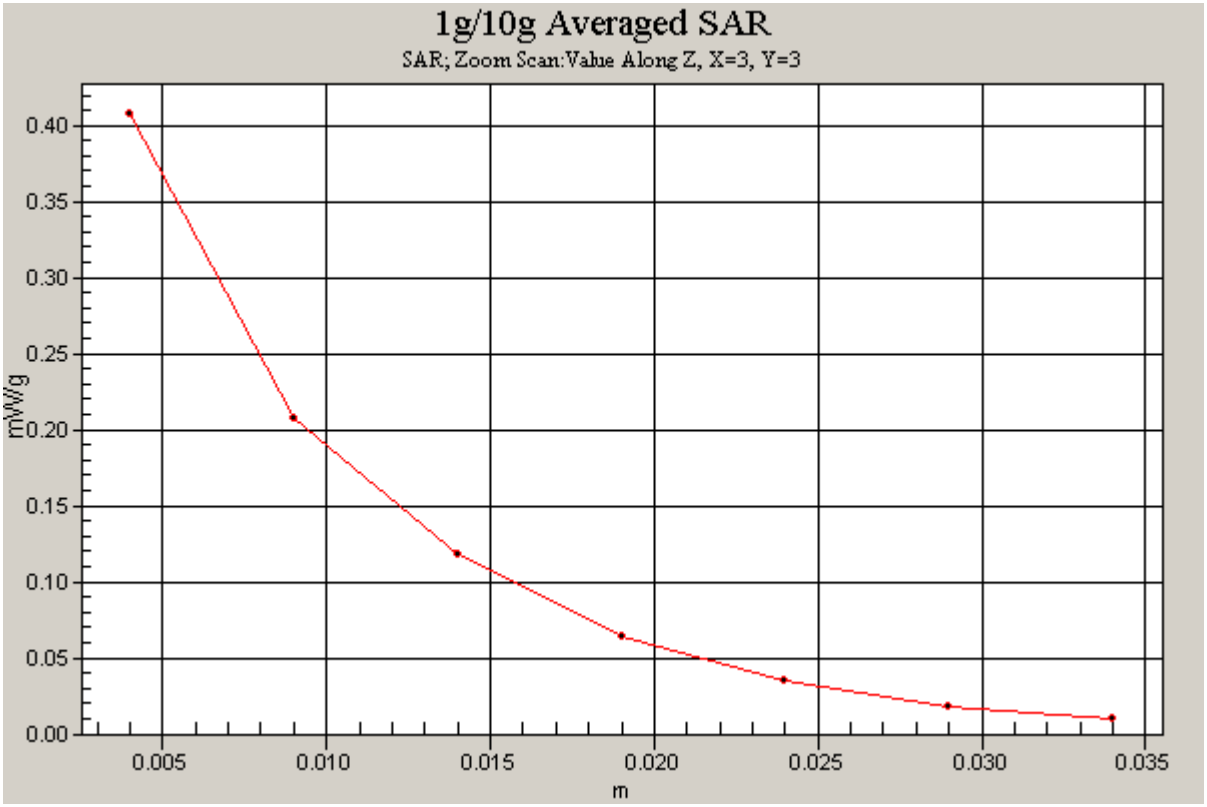
**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 2412 MHz**

Communication System: 802.11b ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: f = 2412 MHz; $\sigma$ = 1.95 mho/m; $\varepsilon_r$ = 53.1; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.311 mW/g

**Low Channel 1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.23 V/m
Peak SAR (extrapolated) = 0.802 W/kg
**SAR(1 g) = 0.366 mW/g; SAR(10 g) = 0.171 mW/g**
Maximum value of SAR (measured) = 0.408 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=3, Y=3
mW/g
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

Date/Time: 2005/6/30 15:18:03

Test Laboratory: Advance Data Technology

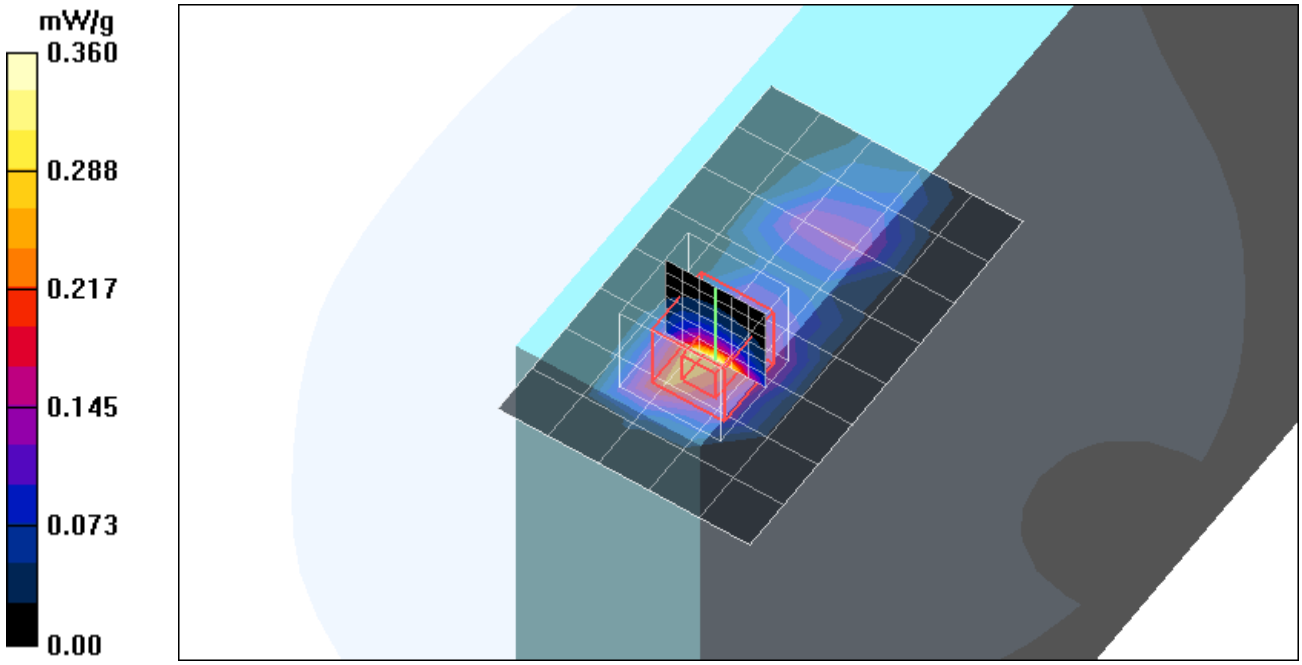
## TA1 Tip 11b Auxiliary Antenna Mode 3

**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; $\sigma$ = 1.99 mho/m; $\varepsilon_r$ = 53.1; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.256 mW/g

**Middle Channel 6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.03 V/m
Peak SAR (extrapolated) = 0.716 W/kg
**SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.151 mW/g**
Maximum value of SAR (measured) = 0.360 mW/g



Date/Time: 2005/6/30 15:35:02

Test Laboratory: Advance Data Technology

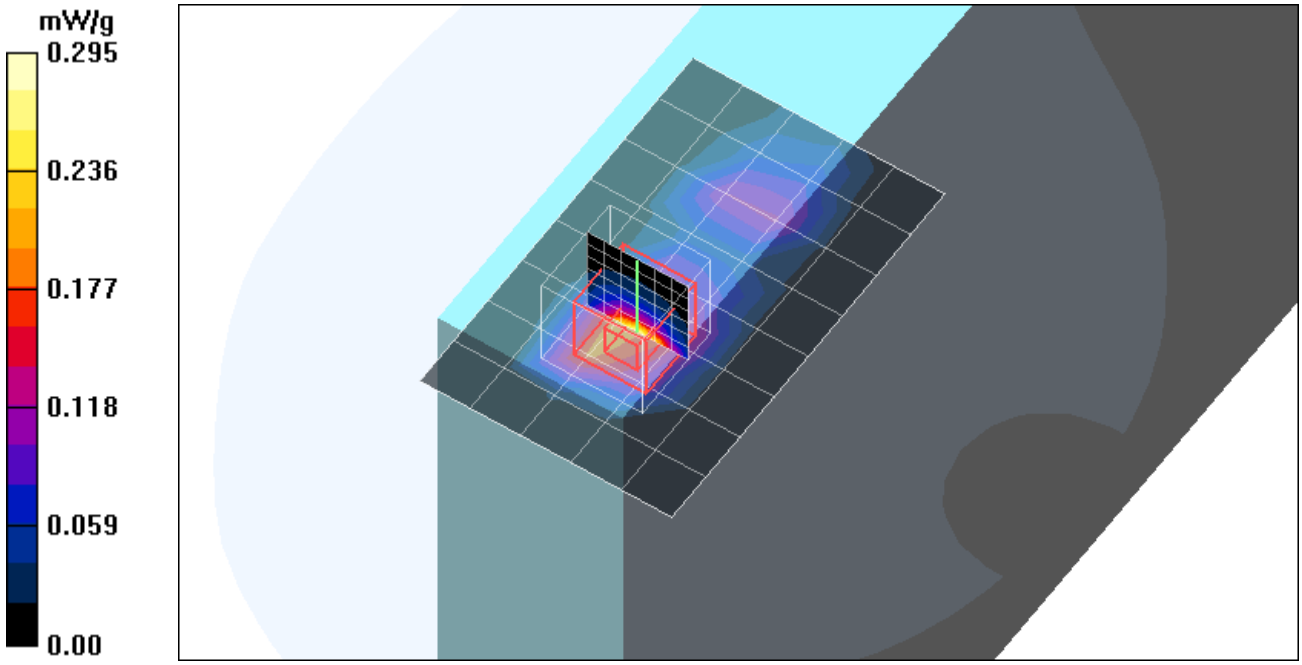
## TA1 Tip 11b Auxiliary Antenna Mode 3

**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; $\sigma$ = 2.03 mho/m; $\varepsilon_r$ = 53; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.204 mW/g

**High Channel 11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.27 V/m
Peak SAR (extrapolated) = 0.596 W/kg
**SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.123 mW/g**
Maximum value of SAR (measured) = 0.295 mW/g



Date/Time: 2005/6/30 15:54:21

Test Laboratory: Advance Data Technology

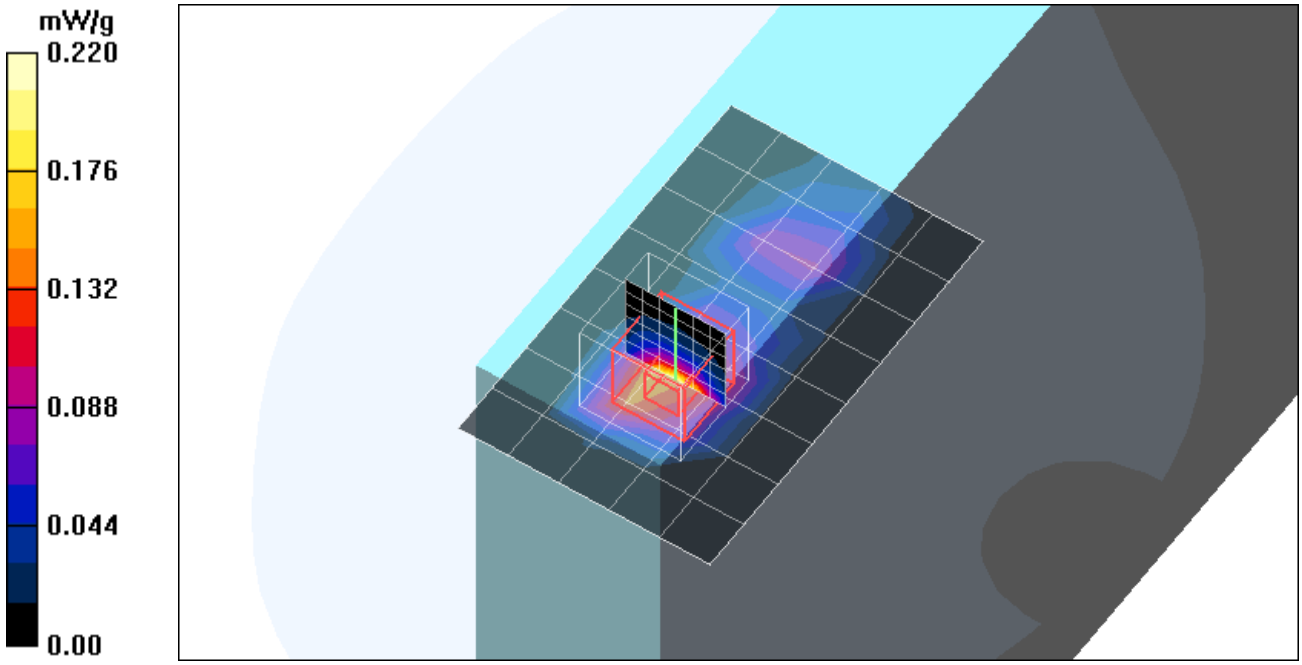
## TA1 Tip 11g Auxiliary Antenna Mode 4

**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; $\sigma$ = 1.95 mho/m; $\varepsilon_r$ = 53.1; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.156 mW/g

**Low Channel 1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.31 V/m
Peak SAR (extrapolated) = 0.438 W/kg
**SAR(1 g) = 0.197 mW/g; SAR(10 g) = 0.092 mW/g**
Maximum value of SAR (measured) = 0.220 mW/g



Date/Time: 2005/6/30 16:11:41

Test Laboratory: Advance Data Technology

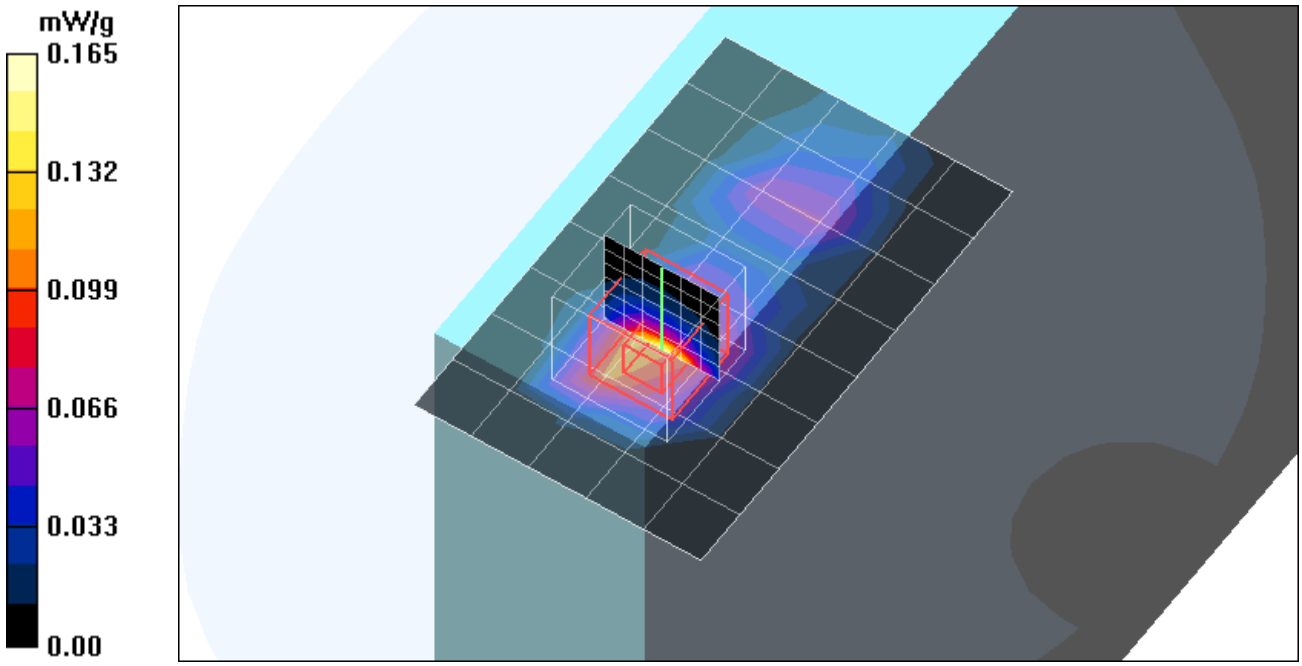
## TA1 Tip 11g Auxiliary Antenna Mode 4

**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; $\sigma$ = 1.99 mho/m; $\varepsilon_r$ = 53.1; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.117 mW/g

**Middle Channel 6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.36 V/m
Peak SAR (extrapolated) = 0.323 W/kg
**SAR(1 g) = 0.147 mW/g; SAR(10 g) = 0.069 mW/g**
Maximum value of SAR (measured) = 0.165 mW/g



Date/Time: 2005/6/30 16:28:29

Test Laboratory: Advance Data Technology

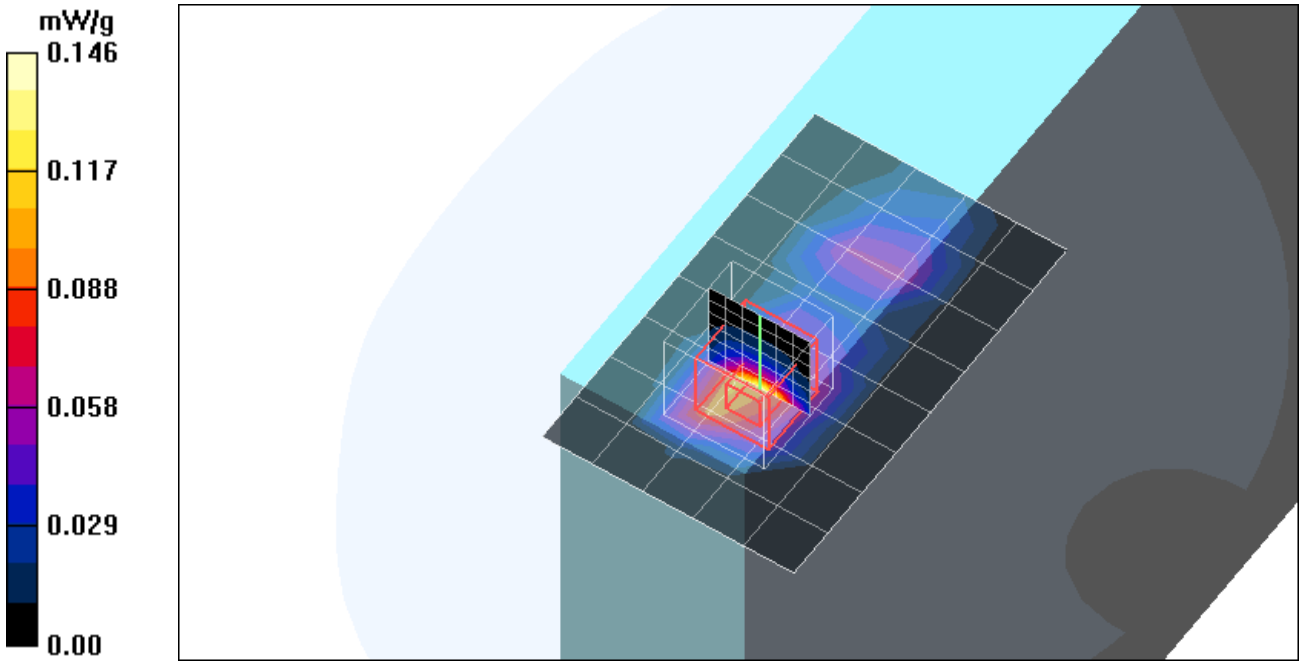
## TA1 Tip 11g Auxiliary Antenna Mode 4

**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; $\sigma$ = 2.03 mho/m; $\varepsilon_r$ = 53; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.104 mW/g

**High Channel 11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.26 V/m
Peak SAR (extrapolated) = 0.291 W/kg
**SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.061 mW/g**
Maximum value of SAR (measured) = 0.146 mW/g



Date/Time: 2005/6/30 17:18:37

Test Laboratory: Advance Data Technology

## TA1 Bottom 11b Main Antenna Mode 5

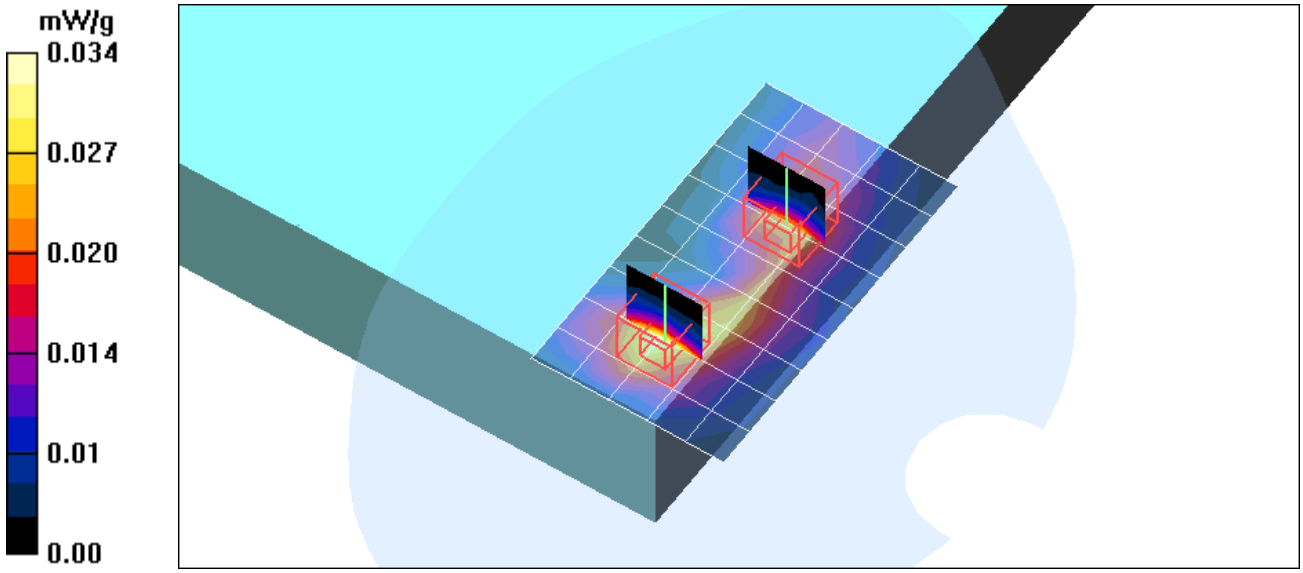
**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 2412 MHz**

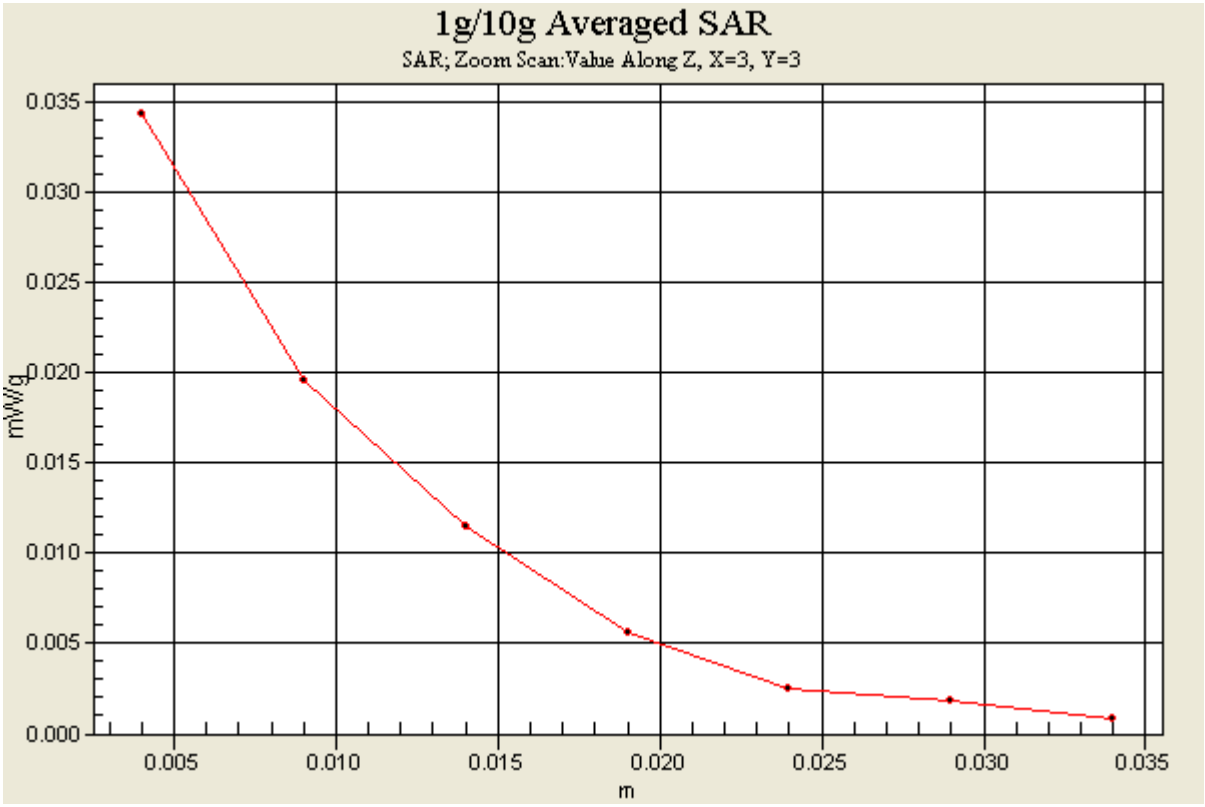
Communication System: 802.11b ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: f = 2412 MHz; $\sigma$ = 1.95 mho/m; $\varepsilon_r$ = 53.1; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
Phantom section: Flat Section ; Separation distance : 0 mm (The 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) = 0.034 mW/g

**Low Channel 1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.89 V/m
Peak SAR (extrapolated) = 0.057 W/kg
**SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.016 mW/g**

**Low Channel 1/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.89 V/m
Peak SAR (extrapolated) = 0.047 W/kg
**SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.013 mW/g**
Maximum value of SAR (measured) = 0.029 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=3, Y=3
mW/g
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

Date/Time: 2005/6/30 17:59:30

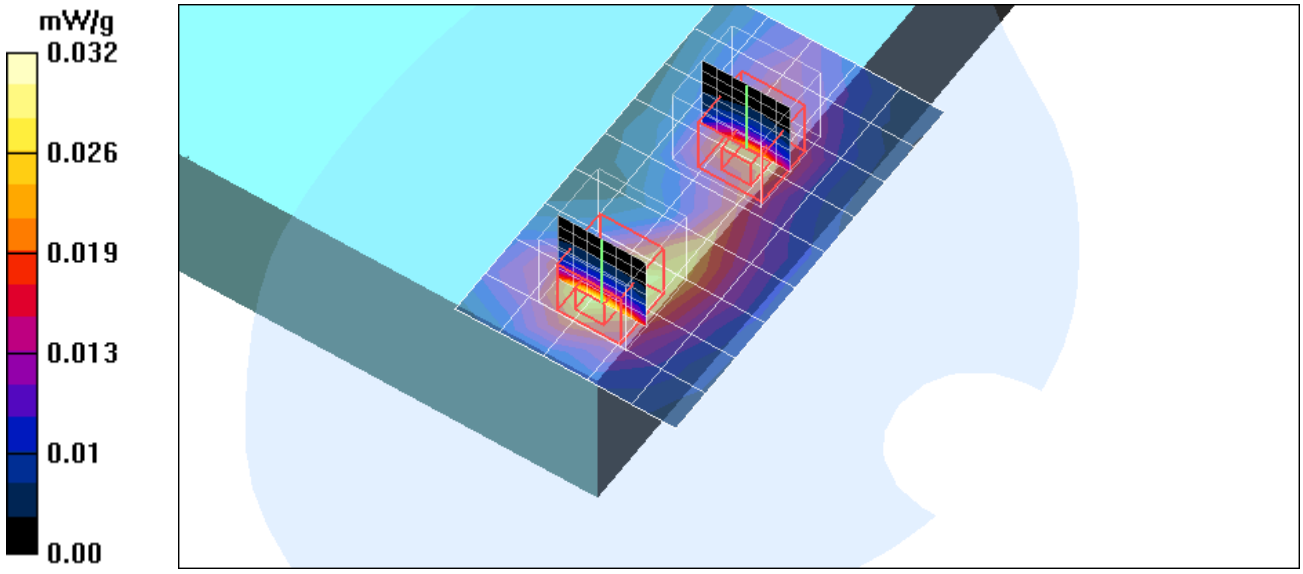
Test Laboratory: Advance Data Technology

## TA1 Bottom 11b Main Antenna Mode 5

**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; $\sigma$ = 1.99 mho/m; $\varepsilon_r$ = 53.1; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.032 mW/g
**Middle Channel 6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.70 V/m
Peak SAR (extrapolated) = 0.065 W/kg
**SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.016 mW/g**
**Middle Channel 6/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.70 V/m
Peak SAR (extrapolated) = 0.049 W/kg
**SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.011 mW/g**
Maximum value of SAR (measured) = 0.025 mW/g



Date/Time: 2005/6/30 18:41:11

Test Laboratory: Advance Data Technology

## TA1 Bottom 11b Main Antenna Mode 5

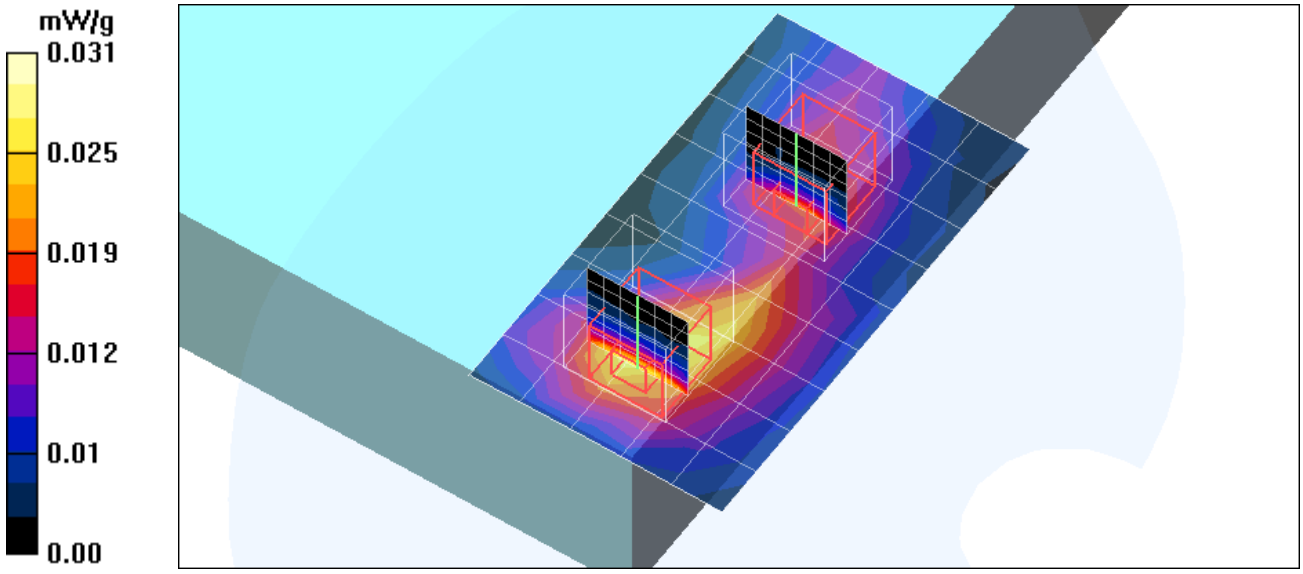
**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 2462 MHz**

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: f = 2462 MHz; $\sigma$ = 2.03 mho/m; $\varepsilon_r$ = 53; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.030 mW/g

**High Channel 11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.66 V/m
Peak SAR (extrapolated) = 0.054 W/kg
**SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.014 mW/g**
Maximum value of SAR (measured) = 0.031 mW/g

**High Channel 11/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.66 V/m
Peak SAR (extrapolated) = 0.048 W/kg
**SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.010 mW/g**
Maximum value of SAR (measured) = 0.023 mW/g



Date/Time: 2005/6/30 19:22:30

Test Laboratory: Advance Data Technology

## TA1 Bottom 11g Main Antenna Mode 6

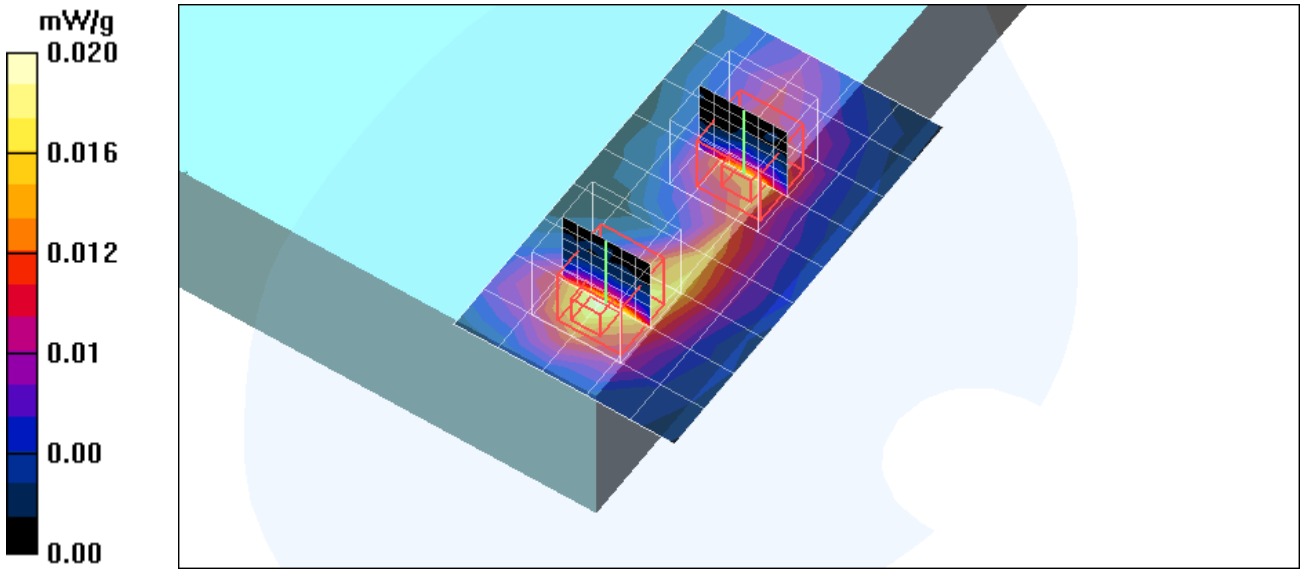
**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 2412 MHz**

Communication System: 802.11g ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2412 MHz; $\sigma$ = 1.95 mho/m; $\varepsilon_r$ = 53.1; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.020 mW/g

**Low Channel 1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.98 V/m
Peak SAR (extrapolated) = 0.044 W/kg
**SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.00866 mW/g**

**Low Channel 1/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.98 V/m
Peak SAR (extrapolated) = 0.028 W/kg
**SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00731 mW/g**
Maximum value of SAR (measured) = 0.017 mW/g



Date/Time: 2005/6/30 20:03:21

Test Laboratory: Advance Data Technology

## TA1 Bottom 11g Main Antenna Mode 6

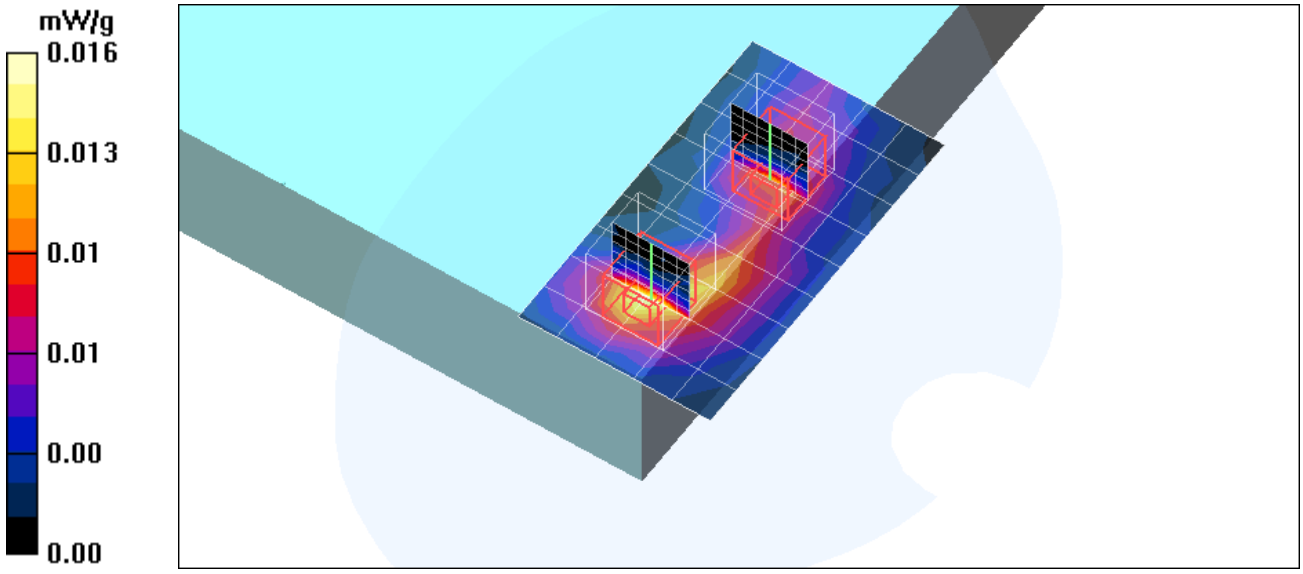
**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 2437 MHz**

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2437 MHz; $\sigma$ = 1.99 mho/m; $\varepsilon_r$ = 53.1; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.016 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) = 0.022 W/kg
**SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.0062 mW/g**
Maximum value of SAR (measured) = 0.015 mW/g

**Middle Channel 6/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.57 V/m
Peak SAR (extrapolated) = 0.023 W/kg
**SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00525 mW/g**
Maximum value of SAR (measured) = 0.012 mW/g



Date/Time: 2005/6/30 20:45:50

Test Laboratory: Advance Data Technology

## TA1 Bottom 11g Main Antenna Mode 6

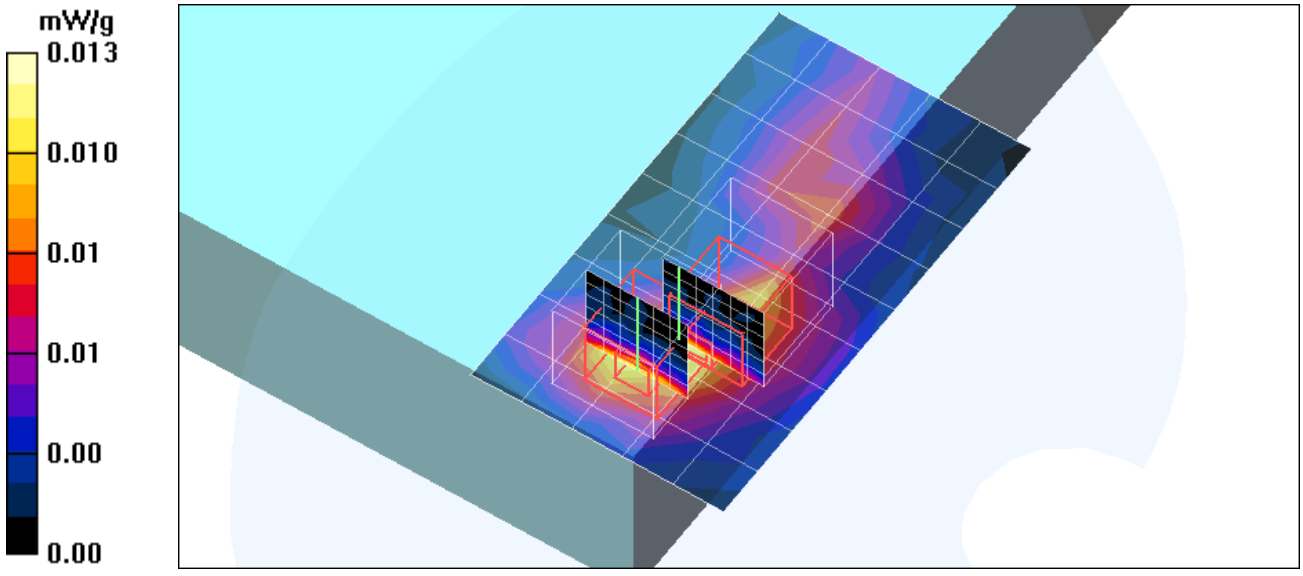
**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 2462 MHz**

Communication System: 802.11g ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL2450 Medium parameters used: f = 2462 MHz; $\sigma$ = 2.03 mho/m; $\varepsilon_r$ = 53; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.013 mW/g

**High Channel 11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.39 V/m
Peak SAR (extrapolated) = 0.036 W/kg
**SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00504 mW/g**

**High Channel 11/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.39 V/m
Peak SAR (extrapolated) = 0.016 W/kg
**SAR(1 g) = 0.00861 mW/g; SAR(10 g) = 0.00394 mW/g**
Maximum value of SAR (measured) = 0.011 mW/g



Date/Time: 2005/6/30 21:05:49

Test Laboratory: Advance Data Technology

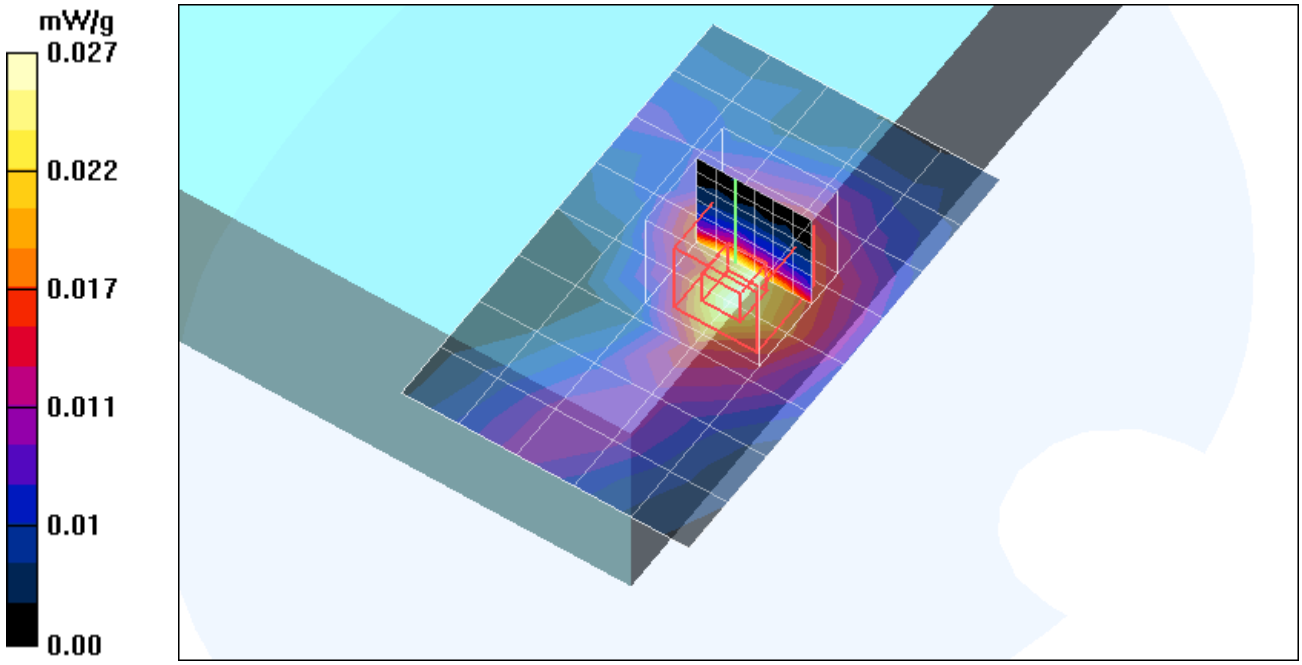
## TA1 Bottom 11b Auxiliary Antenna Mode 7

**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; $\sigma$ = 1.95 mho/m; $\varepsilon_r$ = 53.1; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.027 mW/g

**Low Channel 1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.94 V/m
Peak SAR (extrapolated) = 0.088 W/kg
**SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.013 mW/g**
Maximum value of SAR (measured) = 0.026 mW/g



Date/Time: 2005/6/30 21:22:45

Test Laboratory: Advance Data Technology

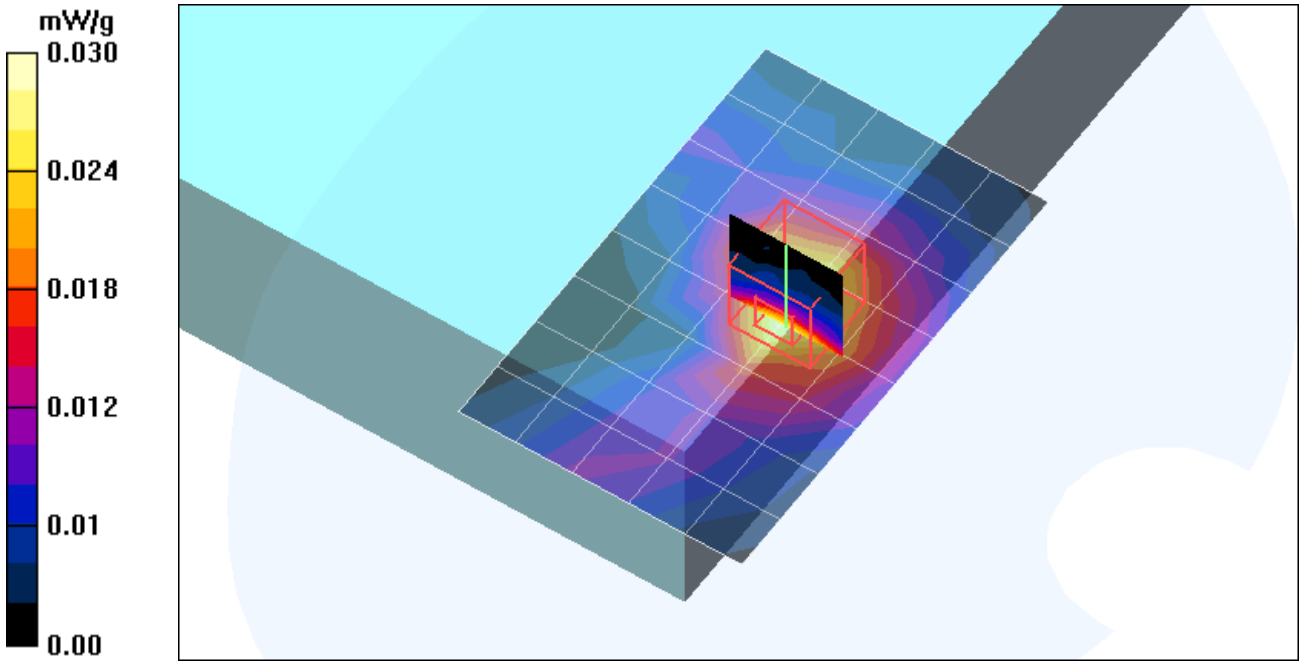
## TA1 Bottom 11b Auxiliary Antenna Mode 7

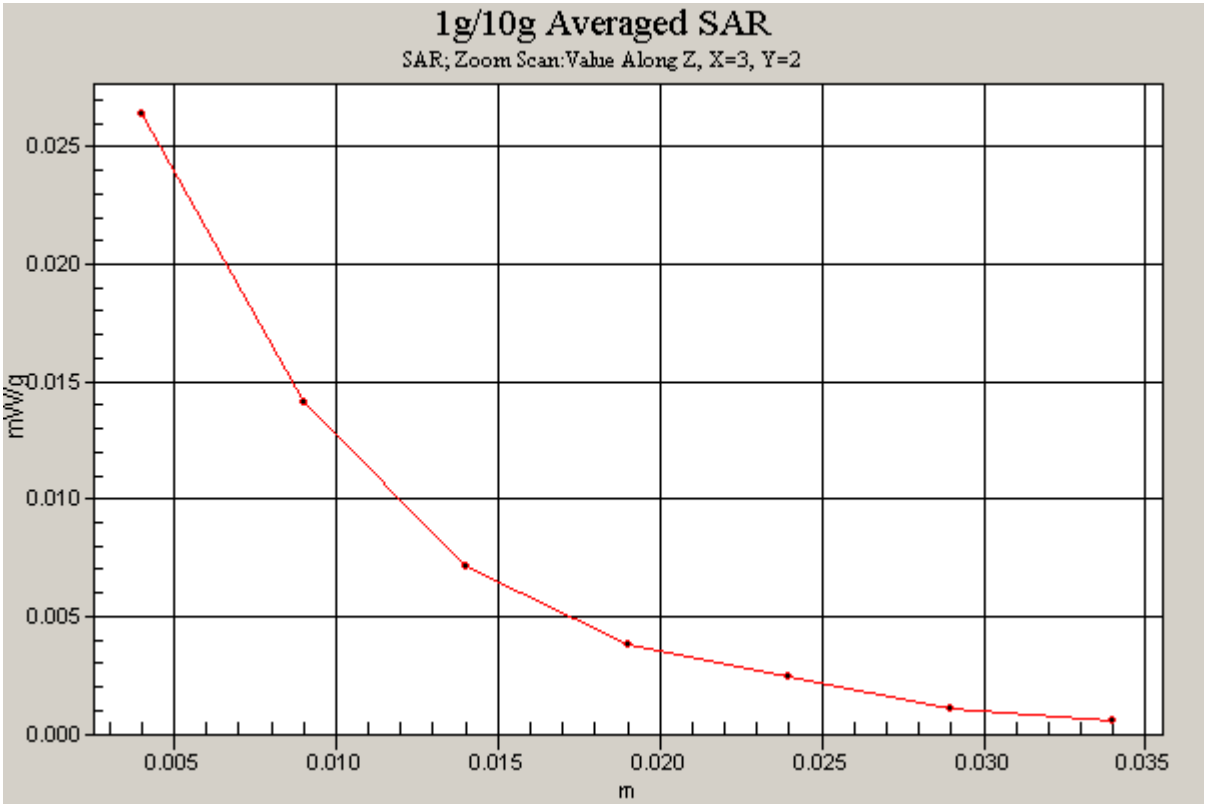
**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 2437 MHz**

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: CCK
Medium: MSL2450 Medium parameters used: f = 2437 MHz; $\sigma$ = 1.99 mho/m; $\varepsilon_r$ = 53.1; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.030 mW/g

**Middle Channel 6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.50 V/m
Peak SAR (extrapolated) = 0.044 W/kg
**SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.013 mW/g**
Maximum value of SAR (measured) = 0.026 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=3, Y=2
mW/g
0.025
0.020
0.015
0.010
0.005
0.000
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

Date/Time: 2005/6/30 21:38:28

Test Laboratory: Advance Data Technology

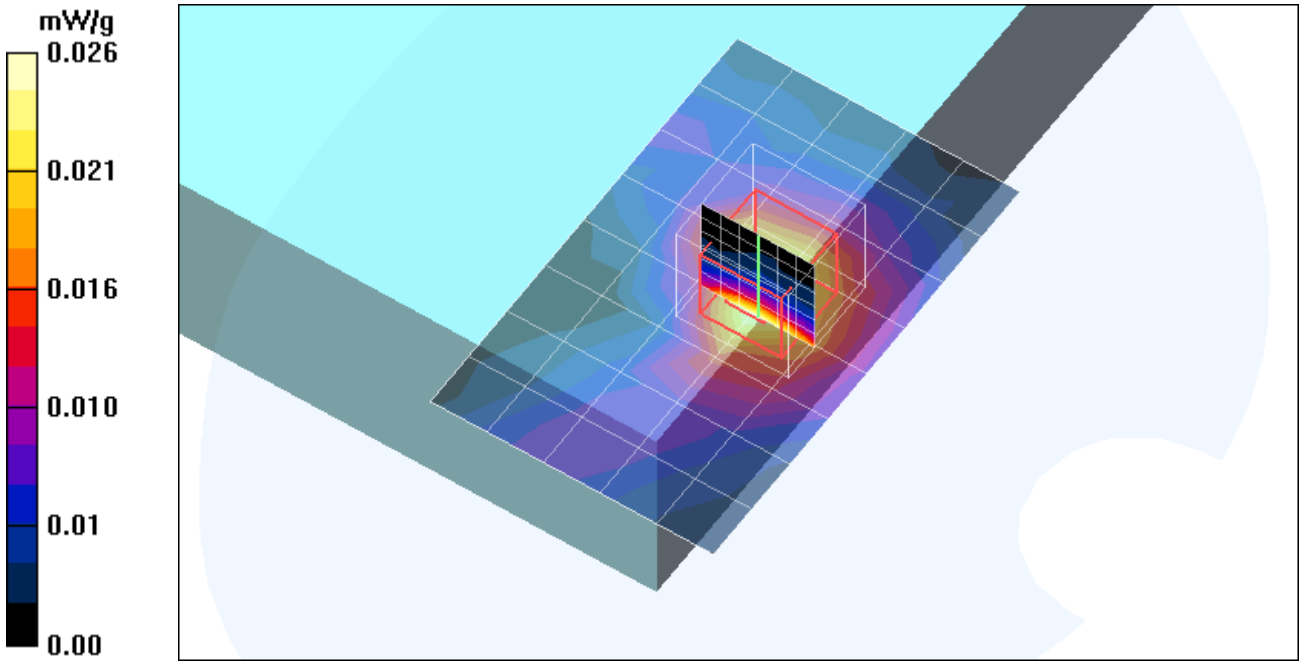
## TA1 Bottom 11b Auxiliary Antenna Mode 7

**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; $\sigma$ = 2.03 mho/m; $\varepsilon_r$ = 53; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.026 mW/g

**High Channel 11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.76 V/m
Peak SAR (extrapolated) = 0.049 W/kg
**SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.013 mW/g**



Date/Time: 2005/6/30 21:58:36

Test Laboratory: Advance Data Technology

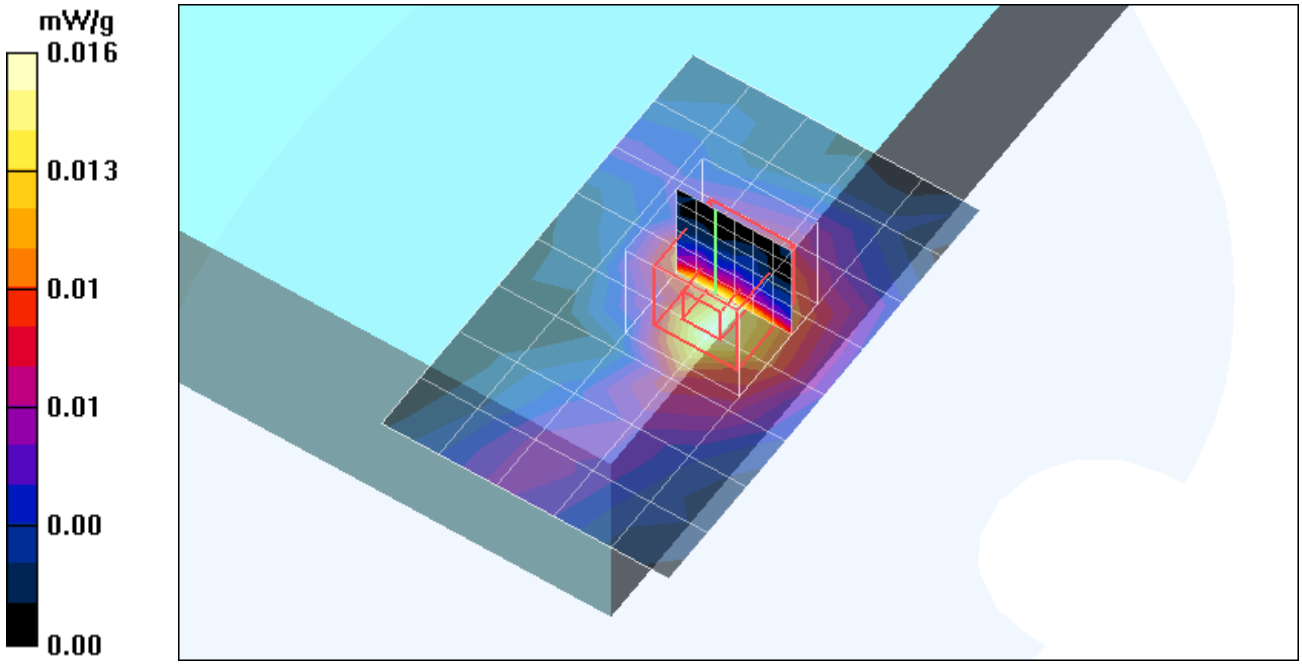
## TA1 11g Bottom Auxiliary Antenna Mode 8

**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; $\sigma$ = 1.95 mho/m; $\varepsilon_r$ = 53.1; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.016 mW/g

**Low Channel 1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.95 V/m
Peak SAR (extrapolated) = 0.024 W/kg
**SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00757 mW/g**
Maximum value of SAR (measured) = 0.015 mW/g



Date/Time: 2005/6/30 22:15:27

Test Laboratory: Advance Data Technology

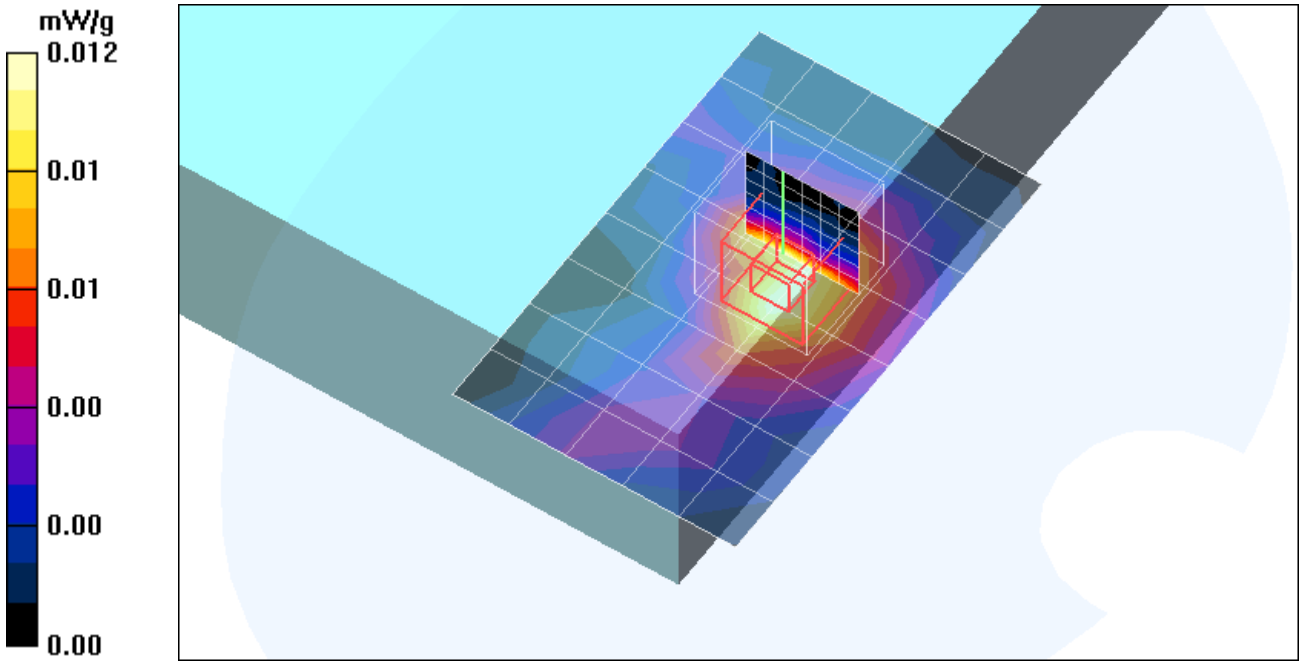
## TA1 11g Bottom Auxiliary Antenna Mode 8

**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; $\sigma$ = 1.99 mho/m; $\varepsilon_r$ = 53.1; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.012 mW/g

**Middle Channel 6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.62 V/m
Peak SAR (extrapolated) = 0.024 W/kg
**SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.0059 mW/g**



Date/Time: 2005/6/30 22:34:27

Test Laboratory: Advance Data Technology

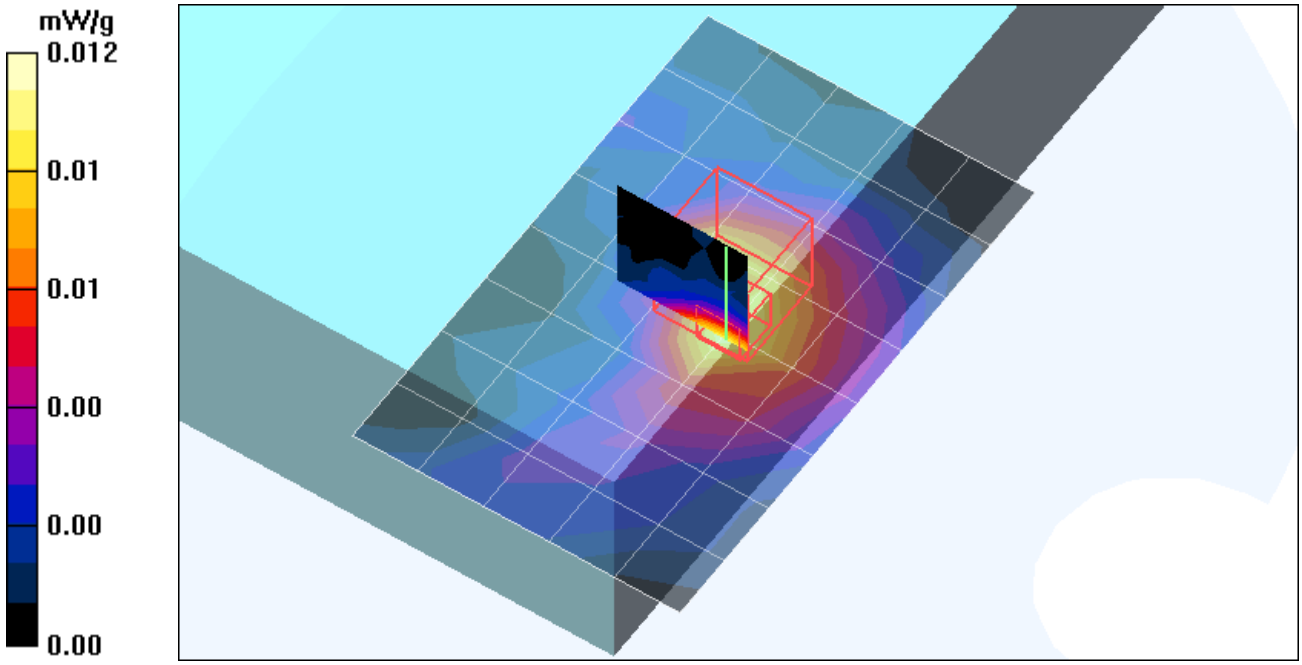
## TA1 11g Bottom Auxiliary Antenna Mode 8

**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; $\sigma$ = 2.03 mho/m; $\varepsilon_r$ = 53; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 151mm
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) = 0.012 mW/g

**High Channel 11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.52 V/m
Peak SAR (extrapolated) = 0.024 W/kg
**SAR(1 g) = 0.0094 mW/g; SAR(10 g) = 0.00469 mW/g**
Maximum value of SAR (measured) = 0.011 mW/g



Date/Time: 2005/6/29 10:27:38

Test Laboratory: Advance Data Technology

## TA1 Tip 11a Main Antenna Mode 9

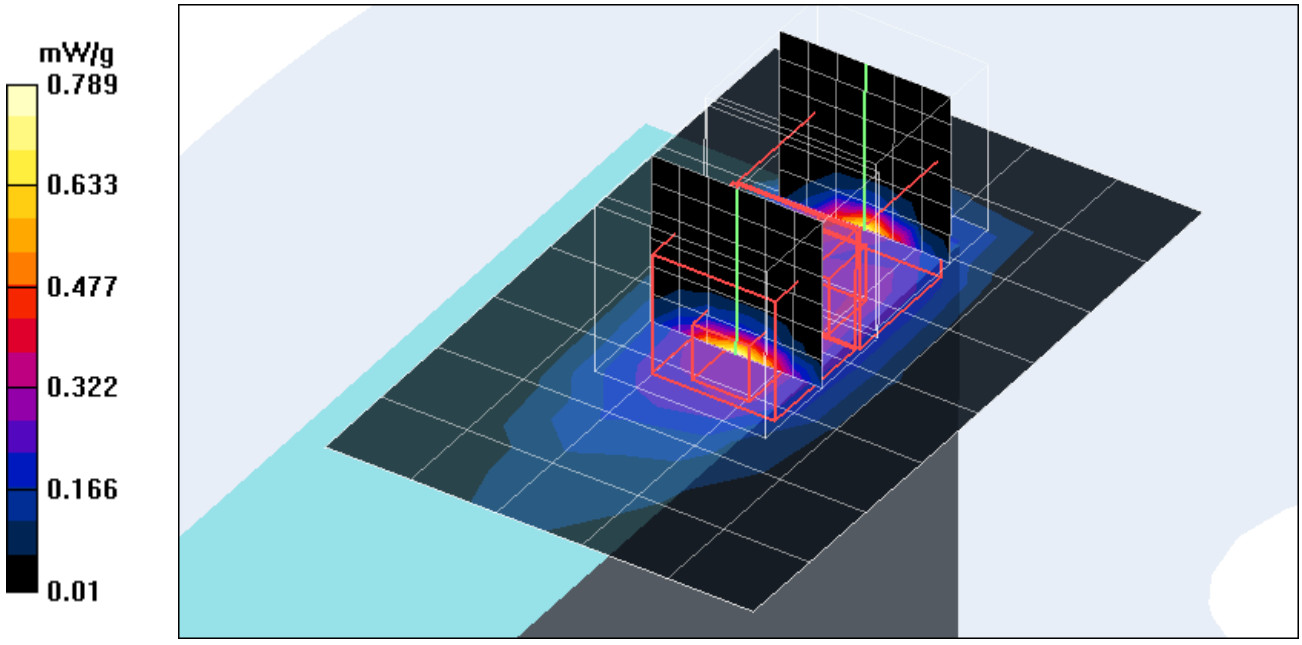
**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5180 MHz**

Communication System: 802.11a ; Frequency: 5180 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5180 MHz; $\sigma$ = 5.28 mho/m; $\varepsilon_r$ = 48; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
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: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Low Channel 5180/Area Scan (6x9x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.418 mW/g

**Low Channel 5180/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm;Reference Value = 8.29 V/m
Peak SAR (extrapolated) = 1.82 W/kg
**SAR(1 g) = 0.547 mW/g; SAR(10 g) = 0.185 mW/g**
Maximum value of SAR (measured) = 0.751 mW/g

**Low Channel 5180/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm;Reference Value = 8.29 V/m
Peak SAR (extrapolated) = 1.85 W/kg
**SAR(1 g) = 0.622 mW/g; SAR(10 g) = 0.221 mW/g**
Maximum value of SAR (measured) = 0.789 mW/g



Date/Time: 2005/6/29 10:57:06

Test Laboratory: Advance Data Technology

## TA1 Tip 11a Main Antenna Mode 9

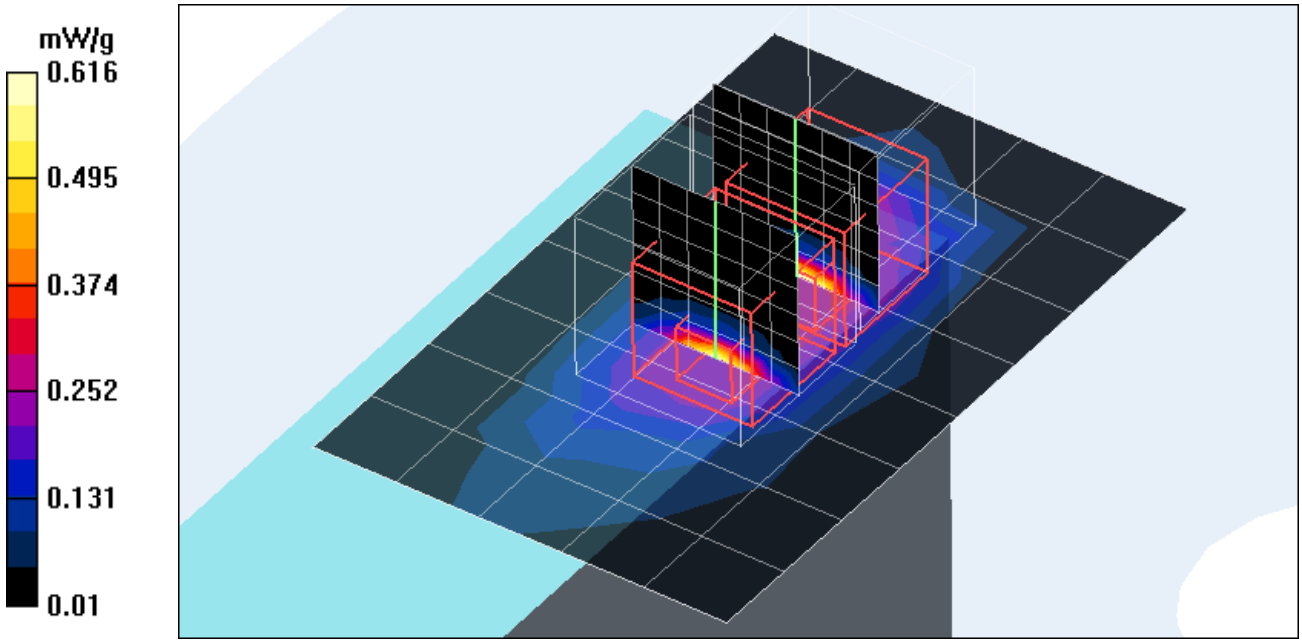
**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5240 MHz**

Communication System: 802.11a ; Frequency: 5240 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5240 MHz; $\sigma$ = 5.38 mho/m; $\varepsilon_r$ = 48; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
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: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Mid Channel 5240/Area Scan (6x9x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.349 mW/g

**Mid Channel 5240/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, z=3mm
Reference Value = 7.45 V/m
Peak SAR (extrapolated) = 1.72 W/kg
**SAR(1 g) = 0.511 mW/g; SAR(10 g) = 0.165 mW/g**
Maximum value of SAR (measured) = 0.665 mW/g

**Mid Channel 5240/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4.3mm, dy=4.3mm, z=3mm
Reference Value = 7.45 V/m
Peak SAR (extrapolated) = 1.50 W/kg
**SAR(1 g) = 0.506 mW/g; SAR(10 g) = 0.182 mW/g**
Maximum value of SAR (measured) = 0.616 mW/g



Date/Time: 2005/6/29 11:14:01

Test Laboratory: Advance Data Technology

## TA1 Tip 11a Main Antenna Mode 9

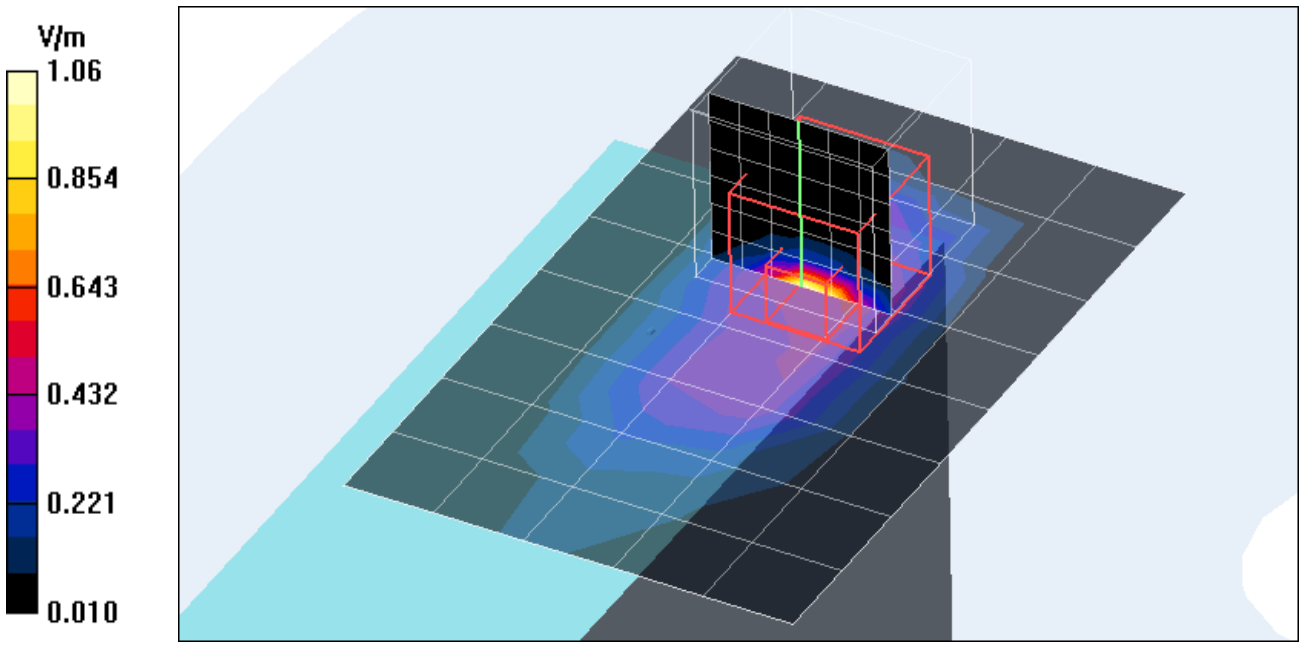
**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5260 MHz**

Communication System: 802.11a ; Frequency: 5260 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: $\sigma = 5.4$ mho/m, $\varepsilon_r = 48$; $\rho = 1000$ kg/m$^3$ Medium parameters used: f = 5260 MHz; $\sigma = 5.4$ mho/m; $\varepsilon_r = 48$; $\rho = 1000$ kg/m$^3$ ; Liquid level : 150mm
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: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Mid Channel 5260/Area Scan (6x9x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of Total (measured) = 10.6 V/m

**Mid Channel 5260/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 9.83 V/m
Peak SAR (extrapolated) = 2.76 W/kg

**SAR(1 g) = 0.827 mW/g; SAR(10 g) = 0.264 mW/g**
Maximum value of SAR (measured) = 1.06 mW/g



Date/Time: 2005/6/29 11:31:28

Test Laboratory: Advance Data Technology

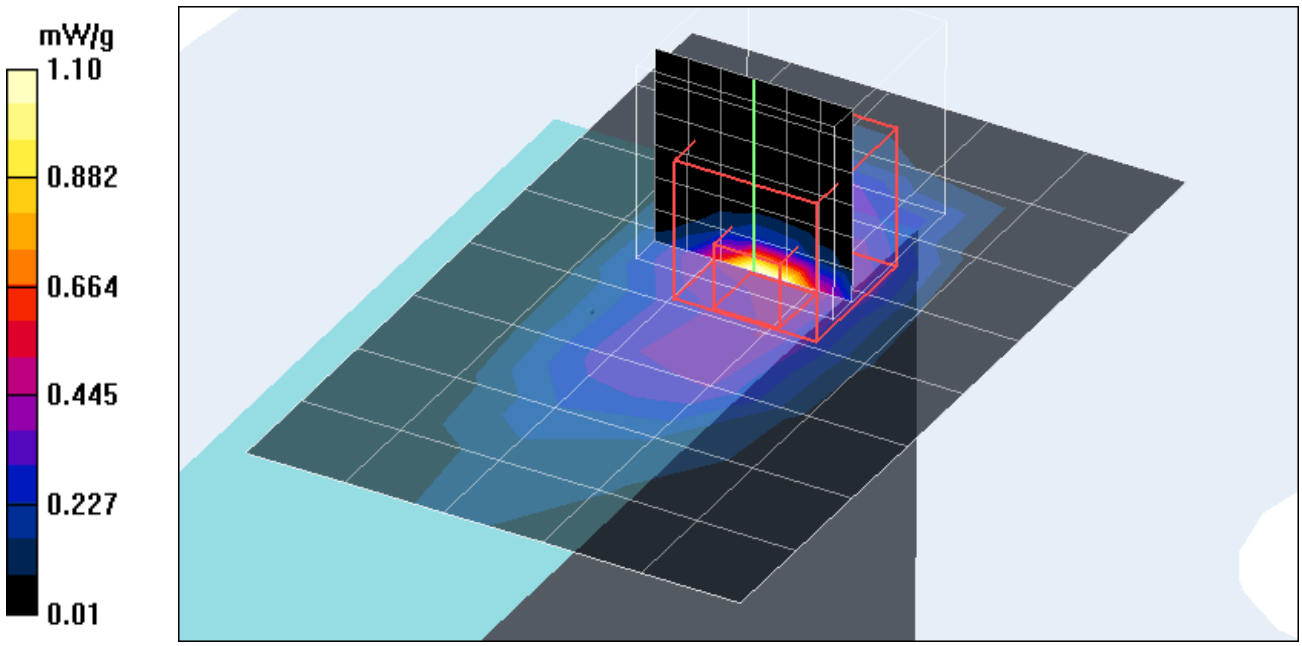
## TA1 Tip 11a Main Antenna Mode 9

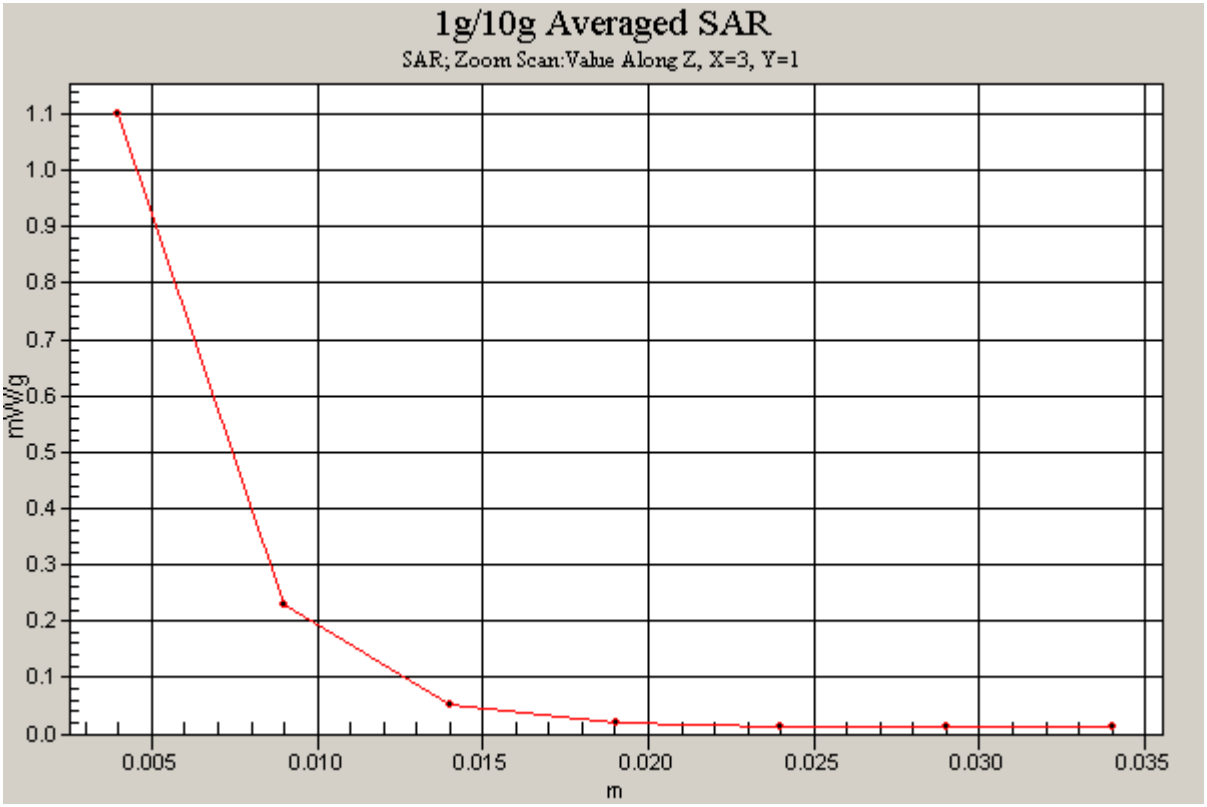
**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5320 MHz**

Communication System: 802.11a ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5320 MHz; $\sigma$ = 5.49 mho/m; $\varepsilon_r$ = 47.9; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
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: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Mid Channel 5320/Area Scan (6x9x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.502 mW/g

**Mid Channel 5320/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 9.05 V/m
Peak SAR (extrapolated) = 2.76 W/kg
**SAR(1 g) = 0.868 mW/g; SAR(10 g) = 0.260 mW/g**
Maximum value of SAR (measured) = 1.10 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=3, Y=1
mW/g
m
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.005
0.010
0.015
0.020
0.025
0.030
0.035

Date/Time: 2005/6/29 11:48:35

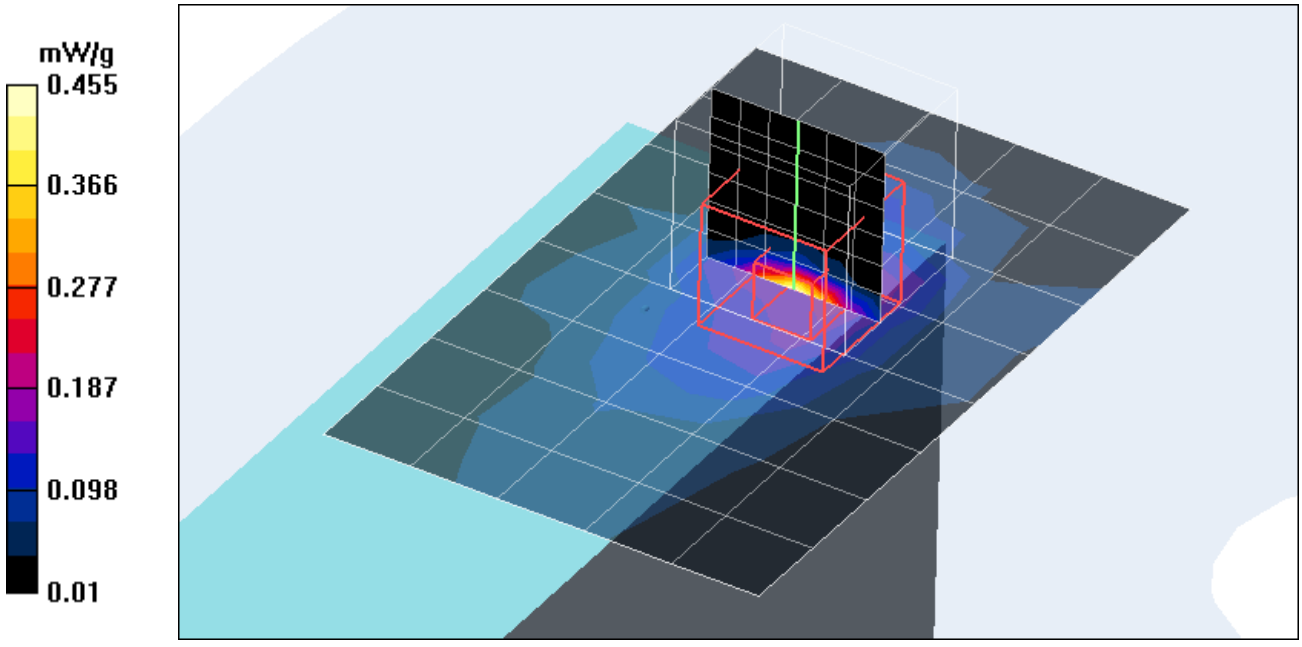
Test Laboratory: Advance Data Technology

## TA1 Tip 11a Main Antenna Mode 9

**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5745 MHz**

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5745 MHz; $\sigma$ = 6.15 mho/m; $\varepsilon_r$ = 47; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
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: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Mid Channel 5745/Area Scan (6x9x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.219 mW/g
**Mid Channel 5745/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 5.62 V/m
Peak SAR (extrapolated) = 1.20 W/kg
**SAR(1 g) = 0.371 mW/g; SAR(10 g) = 0.121 mW/g**
Maximum value of SAR (measured) = 0.455 mW/g



Date/Time: 2005/6/29 12:06:44

Test Laboratory: Advance Data Technology

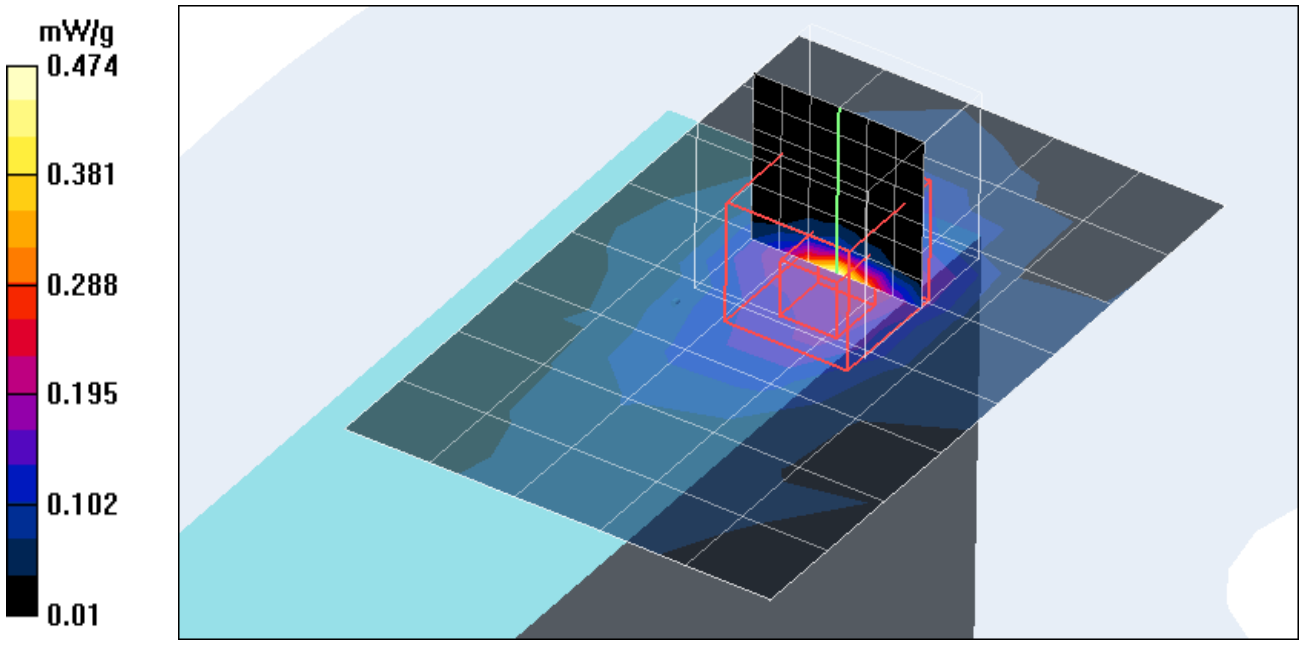
## TA1 Tip 11a Main Antenna Mode 9

**DUT: Notebook computer ; Type: TA1 ; 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 MHz; $\sigma$ = 6.22 mho/m; $\varepsilon_r$ = 46.9; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
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: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Mid Channel 5785/Area Scan (6x9x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.233 mW/g

**Mid Channel 5785/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 5.62 V/m
Peak SAR (extrapolated) = 1.29 W/kg
**SAR(1 g) = 0.397 mW/g; SAR(10 g) = 0.131 mW/g**
Maximum value of SAR (measured) = 0.474 mW/g



Date/Time: 2005/6/29 12:25:17

Test Laboratory: Advance Data Technology

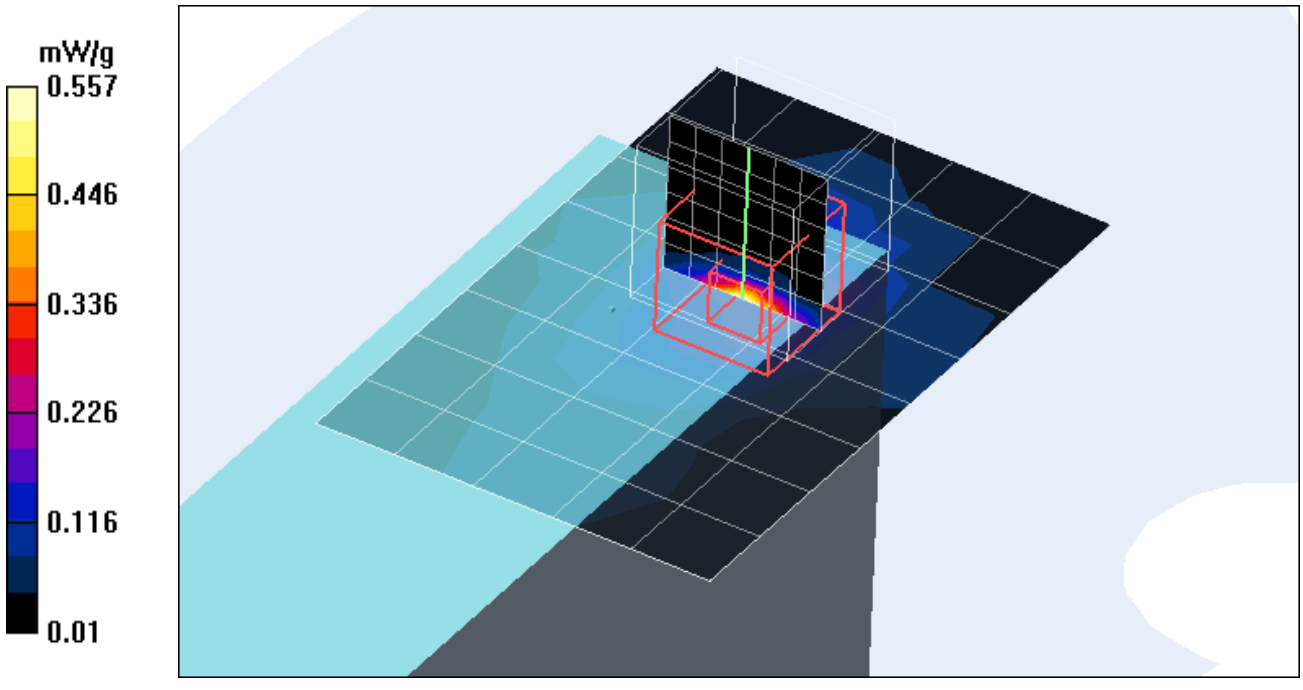
## TA1 Tip 11a Main Antenna Mode 9

**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5825 MHz**

Communication System: 802.11a ; Frequency: 5825 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5825 MHz; $\sigma$ = 6.28 mho/m; $\varepsilon_r$ = 46.9; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
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: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**High Channel 5825/Area Scan (6x9x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.263 mW/g

**High Channel 5825/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 6.12 V/m
Peak SAR (extrapolated) = 1.53 W/kg
**SAR(1 g) = 0.463 mW/g; SAR(10 g) = 0.151 mW/g**
Maximum value of SAR (measured) = 0.557 mW/g



Date/Time: 2005/6/29 12:46:17

Test Laboratory: Advance Data Technology

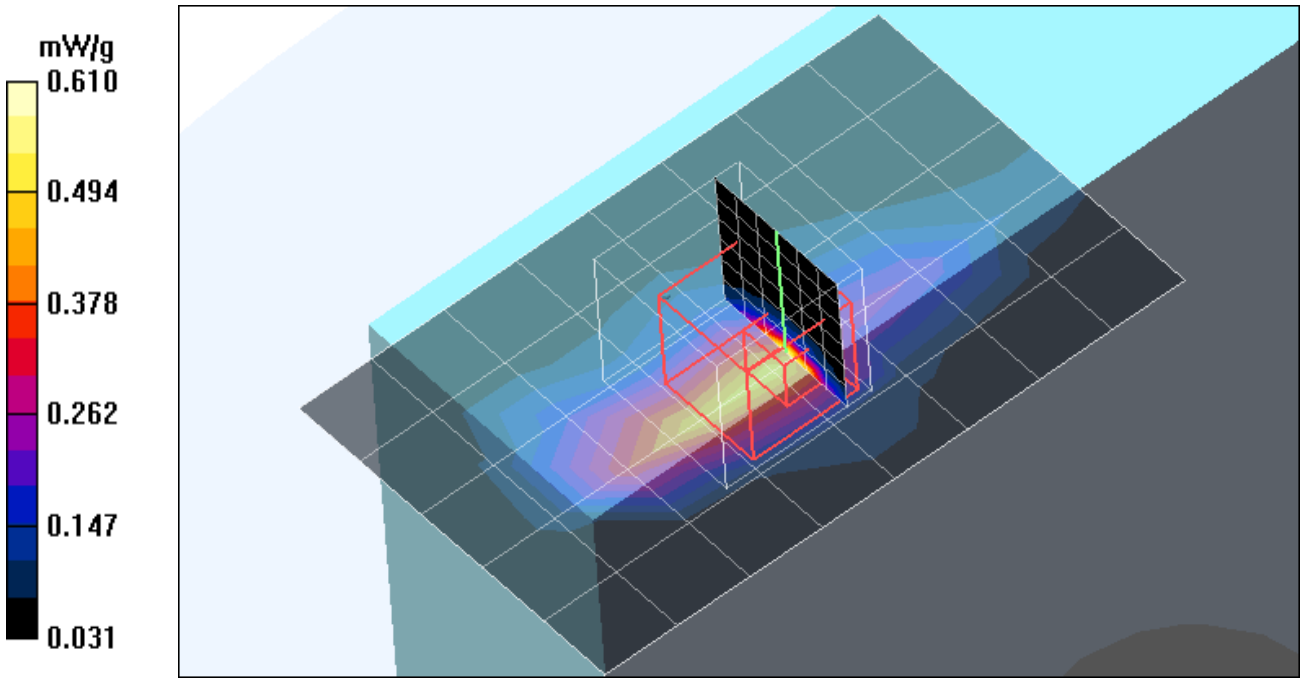
## TA1 Tip 11a Auxiliary Antenna Mode 10

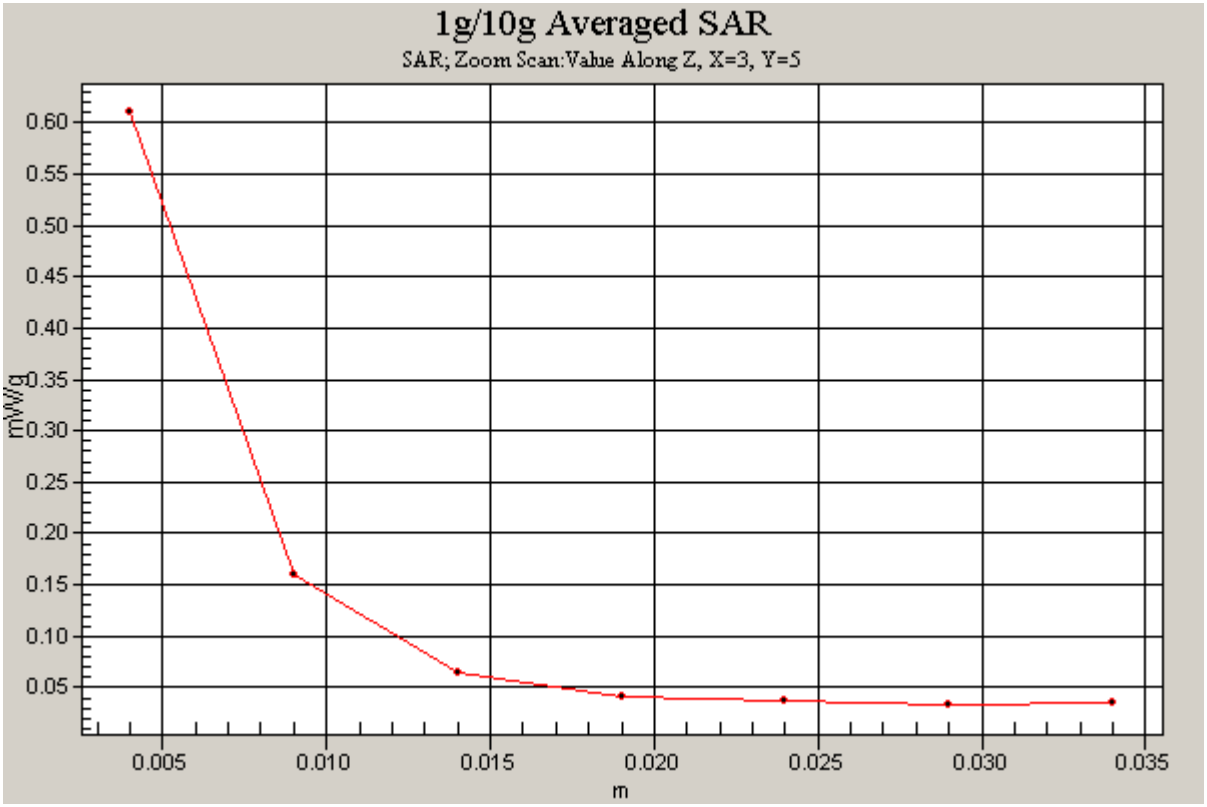
**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5180 MHz**

Communication System: 802.11a ; Frequency: 5180 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5180 MHz; $\sigma$ = 5.28 mho/m; $\varepsilon_r$ = 48; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
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: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Low Channel 5180/Area Scan (6x9x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.493 mW/g

**Low Channel 5180/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 9.96 V/m
Peak SAR (extrapolated) = 1.44 W/kg
**SAR(1 g) = 0.495 mW/g; SAR(10 g) = 0.184 mW/g**
Maximum value of SAR (measured) = 0.610 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=3, Y=5
mW/g
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

Date/Time: 2005/6/29 13:05:15

Test Laboratory: Advance Data Technology

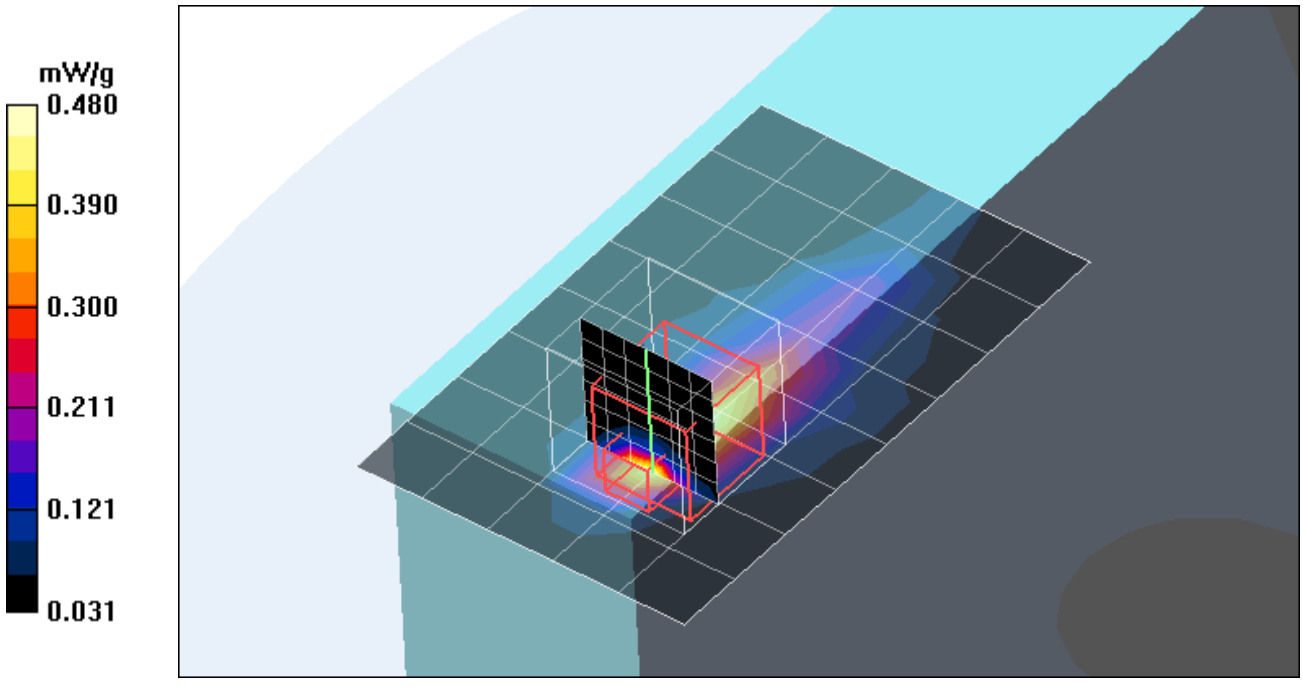
## TA1 Tip 11a Auxiliary Antenna Mode 10

**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5240 MHz**

Communication System: 802.11a ; Frequency: 5240 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5240 MHz; $\sigma$ = 5.38 mho/m; $\varepsilon_r$ = 48; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
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: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Mid Channel 5240/Area Scan (6x9x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.459 mW/g

**Mid Channel 5240/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 8.43 V/m
Peak SAR (extrapolated) = 1.06 W/kg
**SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.131 mW/g**
Maximum value of SAR (measured) = 0.480 mW/g



Date/Time: 2005/6/29 13:24:46

Test Laboratory: Advance Data Technology

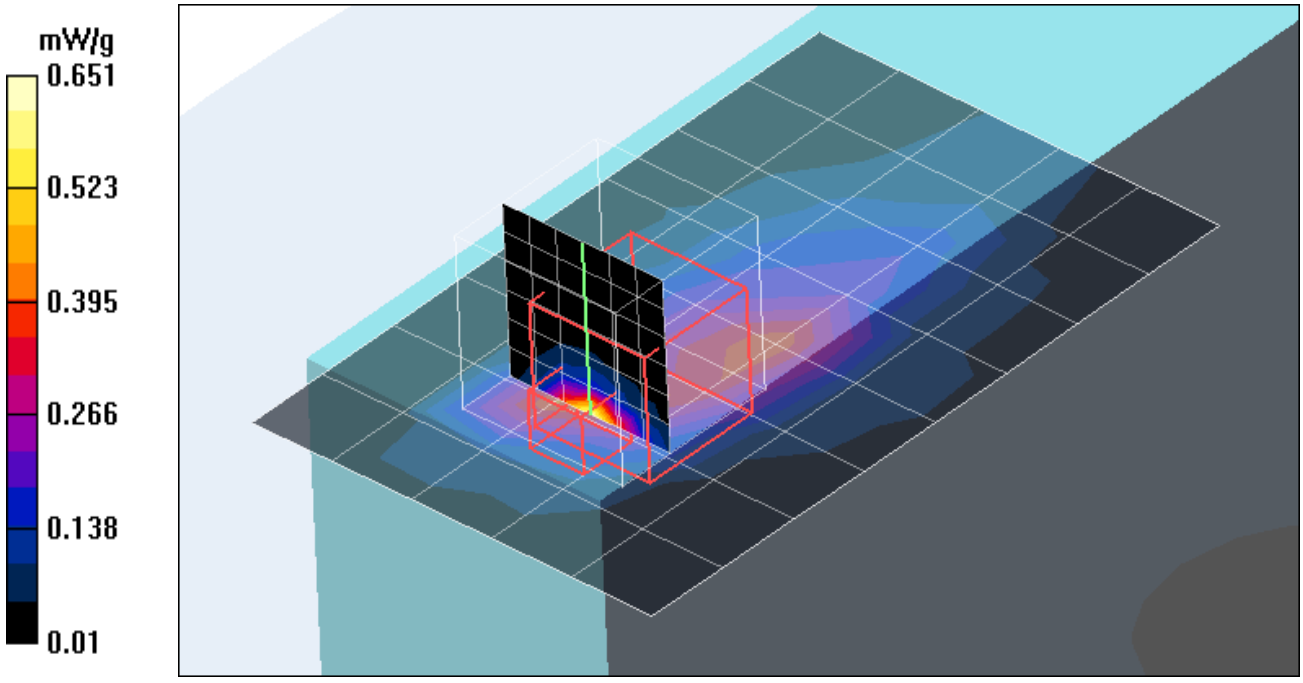
## TA1 Tip 11a Auxiliary Antenna Mode 10

**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5260 MHz**

Communication System: 802.11a ; Frequency: 5260 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5260 MHz; $\sigma$ = 5.4 mho/m; $\varepsilon_r$ = 48; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
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: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Mid Channel 5260/Area Scan (6x9x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.402 mW/g

**Mid Channel 5260/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 8.97 V/m
Peak SAR (extrapolated) = 1.51 W/kg
**SAR(1 g) = 0.488 mW/g; SAR(10 g) = 0.176 mW/g**
Maximum value of SAR (measured) = 0.651 mW/g



Date/Time: 2005/6/29 13:42:41

Test Laboratory: Advance Data Technology

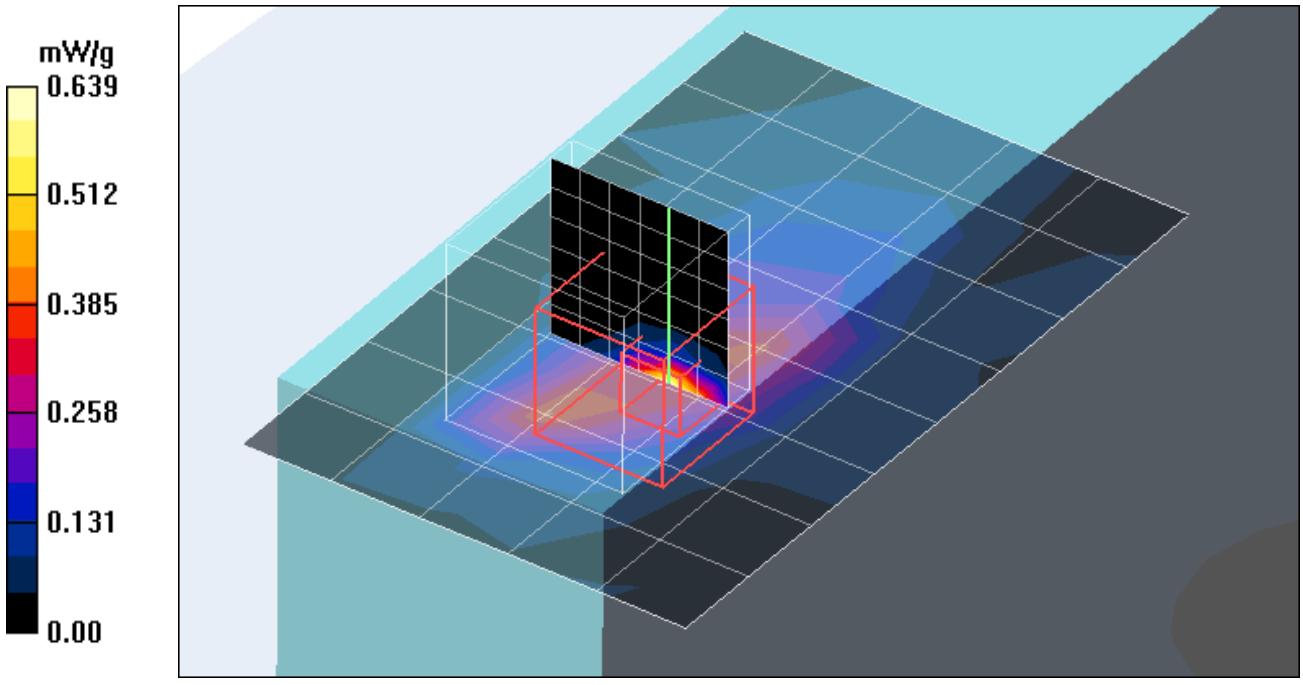
## TA1 Tip 11a Auxiliary Antenna Mode 10

**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5320 MHz**

Communication System: 802.11a ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5320 MHz; $\sigma$ = 5.49 mho/m; $\varepsilon_r$ = 47.9; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
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: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Mid Channel 5320/Area Scan (6x9x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.389 mW/g

**Mid Channel 5320/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 8.28 V/m
Peak SAR (extrapolated) = 1.50 W/kg
**SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.142 mW/g**
Maximum value of SAR (measured) = 0.639 mW/g



Date/Time: 2005/6/29 14:01:11

Test Laboratory: Advance Data Technology

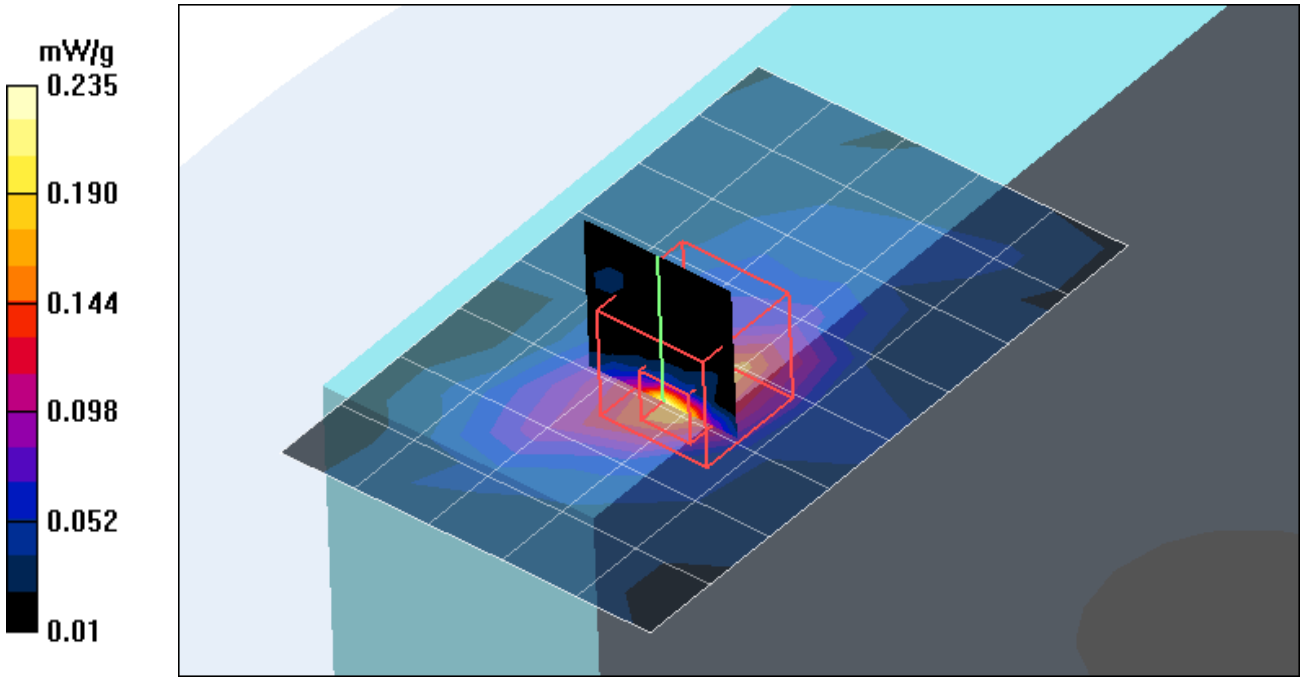
## TA1 Tip 11a Auxiliary Antenna Mode 10

**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5745 MHz**

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5745 MHz; $\sigma$ = 6.15 mho/m; $\varepsilon_r$ = 47; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
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: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Mid Channel 5745/Area Scan (6x9x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.162 mW/g

**Mid Channel 5745/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 5.30 V/m
Peak SAR (extrapolated) = 0.635 W/kg
**SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.069 mW/g**
Maximum value of SAR (measured) = 0.235 mW/g



Date/Time: 2005/6/29 14:19:11

Test Laboratory: Advance Data Technology

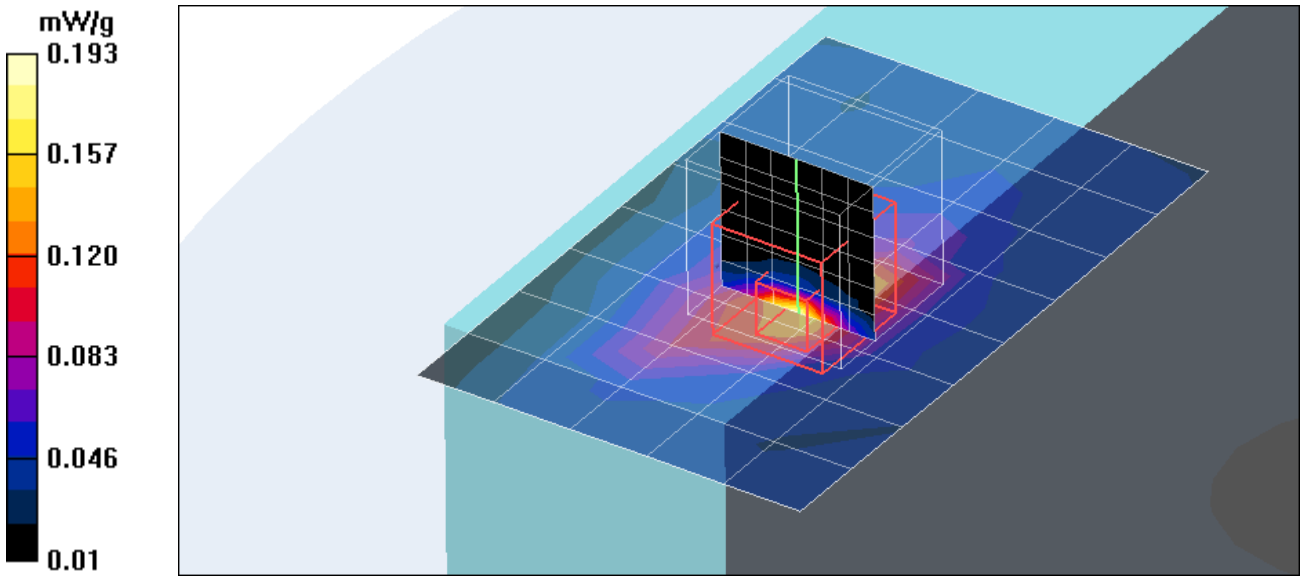
## TA1 Tip 11a Auxiliary Antenna Mode 10

**DUT: Notebook computer ; Type: TA1 ; 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 MHz; $\sigma$ = 6.22 mho/m; $\varepsilon_r$ = 46.9; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
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: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Mid Channel 5785/Area Scan (6x9x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.150 mW/g

**Mid Channel 5785/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 5.02 V/m
Peak SAR (extrapolated) = 0.487 W/kg
**SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.063 mW/g**
Maximum value of SAR (measured) = 0.193 mW/g



Date/Time: 2005/6/29 14:37:22

Test Laboratory: Advance Data Technology

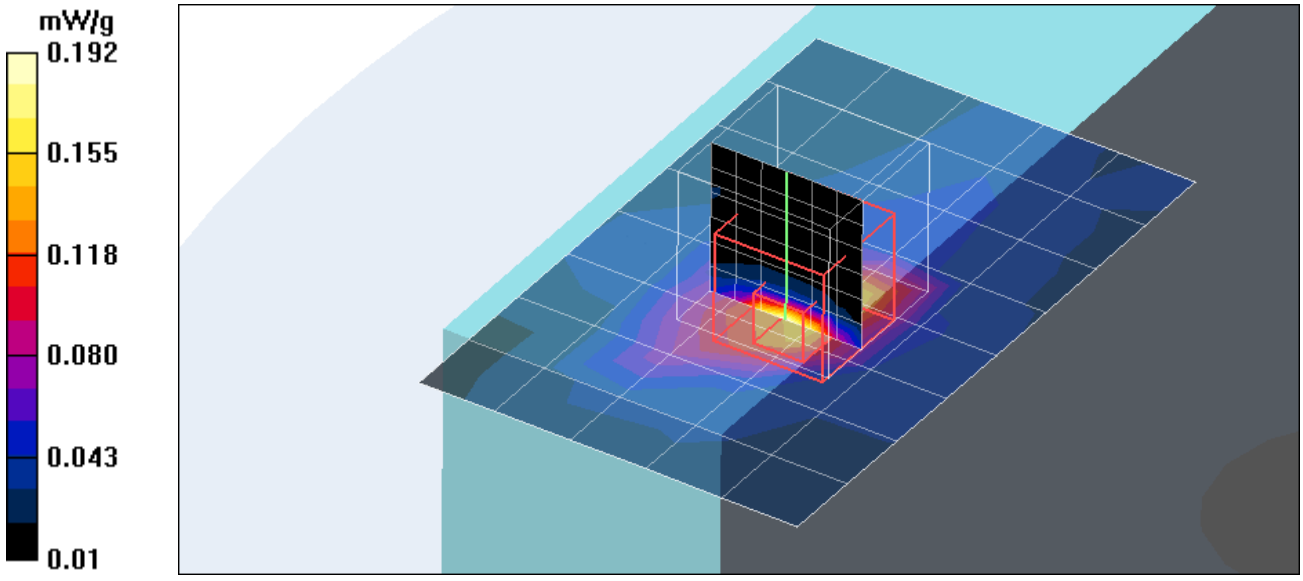
## TA1 Tip 11a Auxiliary Antenna Mode 10

**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5825 MHz**

Communication System: 802.11a ; Frequency: 5825 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5825 MHz; $\sigma$ = 6.28 mho/m; $\varepsilon_r$ = 46.9; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
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: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**High Channel 5825/Area Scan (6x9x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.159 mW/g

**High Channel 5825/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 5.32 V/m
Peak SAR (extrapolated) = 0.499 W/kg
**SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.069 mW/g**
Maximum value of SAR (measured) = 0.192 mW/g



Date/Time: 2005/6/29 15:09:50

Test Laboratory: Advance Data Technology

## TA1 Bottom 11a Main Antenna Mode 11

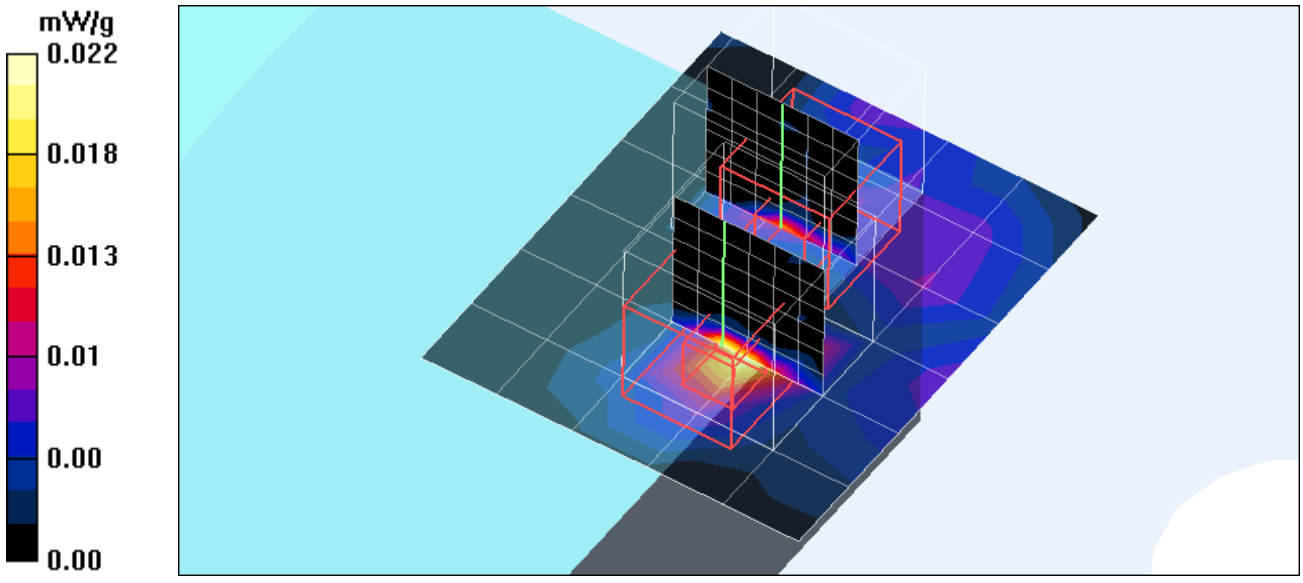
**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5180 MHz**

Communication System: 802.11a ; Frequency: 5180 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5180 MHz; $\sigma$ = 5.28 mho/m; $\varepsilon_r$ = 48; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Low Channel 5180/Area Scan (6x7x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.020 mW/g

**Low Channel 5180/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.366 V/m
Peak SAR (extrapolated) = 0.129 W/kg
**SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.00704 mW/g**
Maximum value of SAR (measured) = 0.022 mW/g

**Low Channel 5180/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.366 V/m
Peak SAR (extrapolated) = 0.089 W/kg
**SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00349 mW/g**
Maximum value of SAR (measured) = 0.016 mW/g



Date/Time: 2005/6/29 15:27:31

Test Laboratory: Advance Data Technology

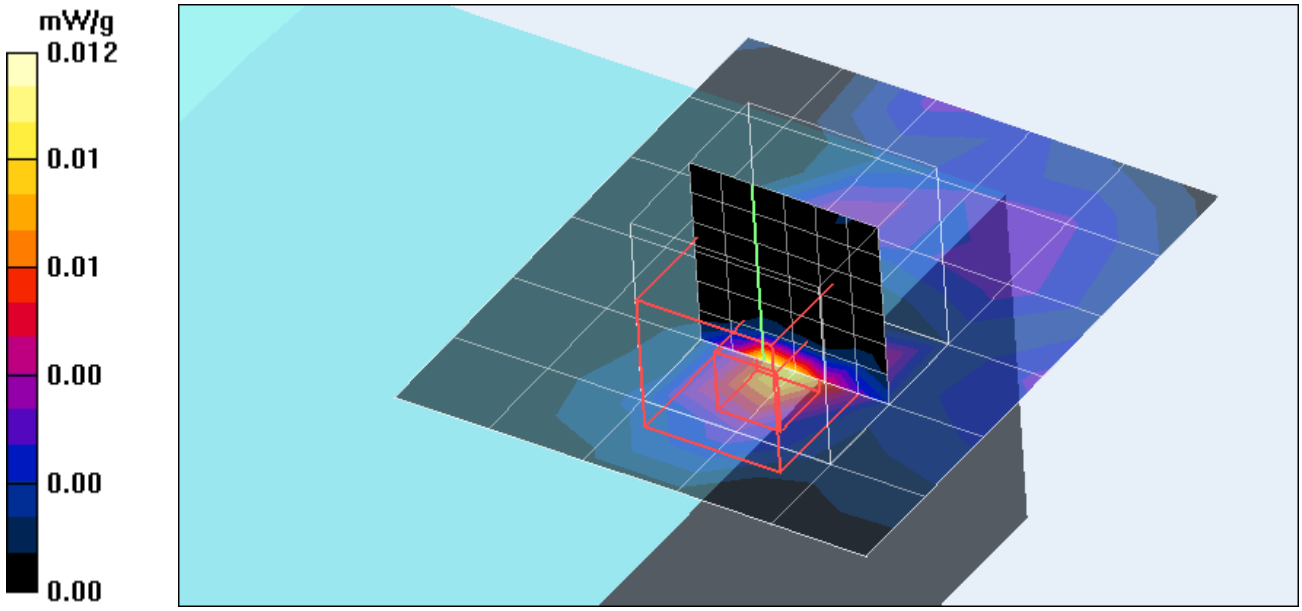
## TA1 Bottom 11a Main Antenna Mode 11

**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5240 MHz**

Communication System: 802.11a ; Frequency: 5240 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5240 MHz; $\sigma$ = 5.38 mho/m; $\varepsilon_r$ = 48; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Mid Channel 5240/Area Scan (6x7x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.012 mW/g

**Mid Channel 5240/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.252 V/m
Peak SAR (extrapolated) = 0.017 W/kg
**SAR(1 g) = 0.00252 mW/g; SAR(10 g) = 0.000292 mW/g**
Maximum value of SAR (measured) = 0.011 mW/g



Date/Time: 2005/6/29 15:45:59

Test Laboratory: Advance Data Technology

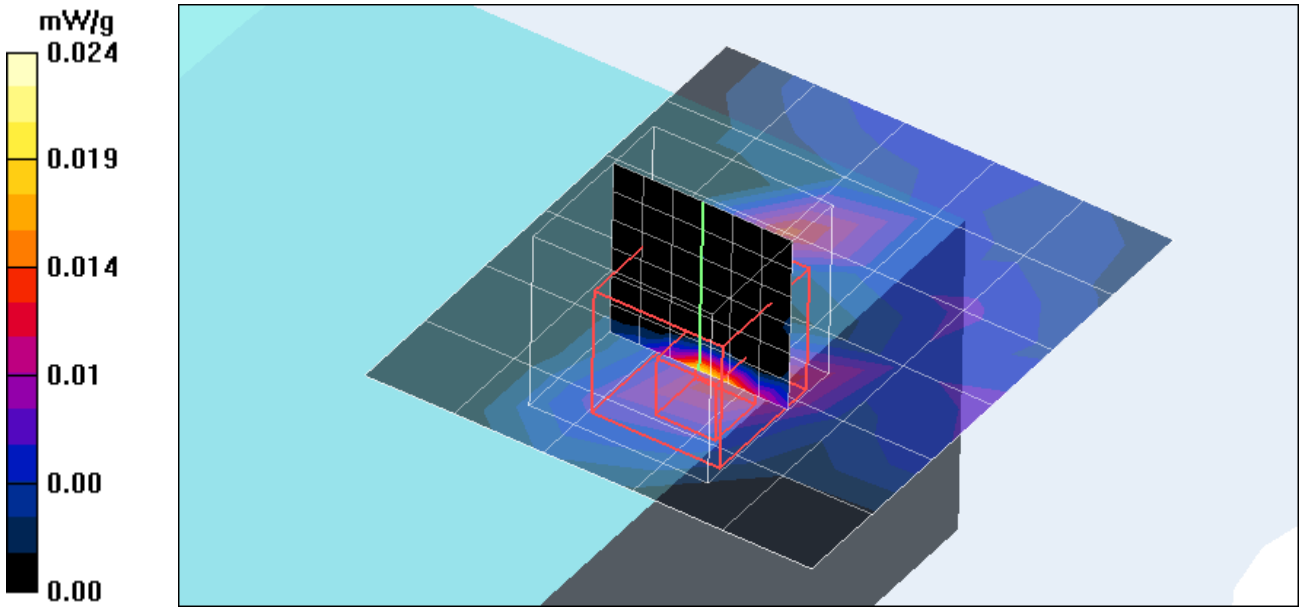
## TA1 Bottom 11a Main Antenna Mode 11

**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5260 MHz**

Communication System: 802.11a ; Frequency: 5260 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5260 MHz; $\sigma$ = 5.4 mho/m; $\varepsilon_r$ = 48; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Mid Channel 5260/Area Scan (6x7x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.016 mW/g

**Mid Channel 5260/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.418 V/m
Peak SAR (extrapolated) = 0.133 W/kg
**SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.00678 mW/g**
Maximum value of SAR (measured) = 0.024 mW/g



Date/Time: 2005/6/29 16:17:30

Test Laboratory: Advance Data Technology

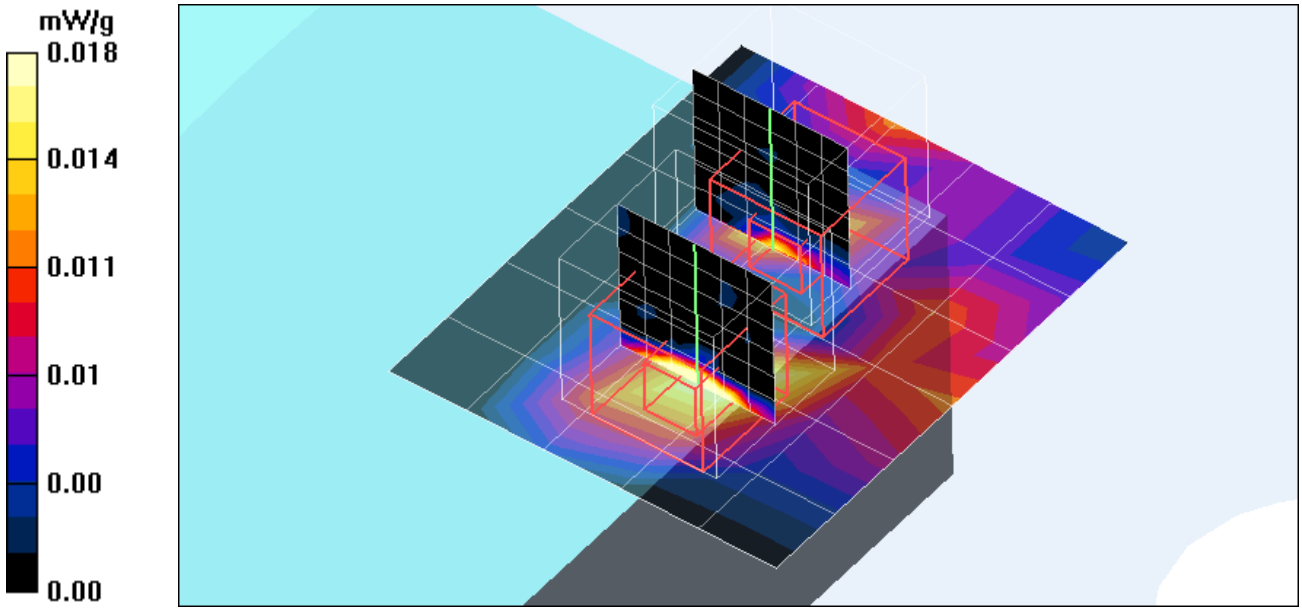
## TA1 Bottom 11a Main Antenna Mode 11

**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5320 MHz**
Communication System: 802.11a ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5320 MHz; $\sigma$ = 5.49 mho/m; $\varepsilon_r$ = 47.9; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Mid Channel 5320/Area Scan (6x7x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.019 mW/g

**Mid Channel 5320/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.581 V/m
Peak SAR (extrapolated) = 0.163 W/kg
**SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.00891 mW/g**
Maximum value of SAR (measured) = 0.027 mW/g

**Mid Channel 5320/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.581 V/m
Peak SAR (extrapolated) = 0.100 W/kg
**SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.00357 mW/g**
Maximum value of SAR (measured) = 0.018 mW/g



Date/Time: 2005/6/29 16:36:53

Test Laboratory: Advance Data Technology

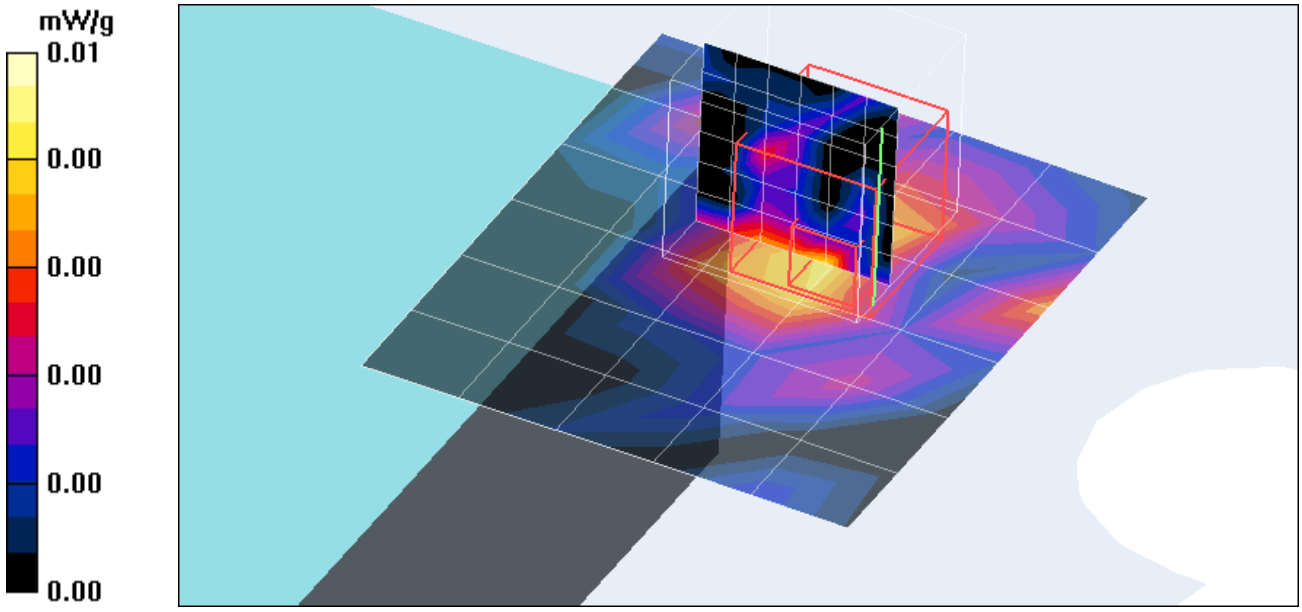
## TA1 Bottom 11a Main Antenna Mode 11

**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5745 MHz**

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5745 MHz; $\sigma$ = 6.15 mho/m; $\varepsilon_r$ = 47; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Mid Channel 5745/Area Scan (6x7x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.01 mW/g

**Mid Channel 5745/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.2155 V/m
Peak SAR (extrapolated) = 0.011 W/kg
**SAR(1 g) = 0.00129 mW/g; SAR(10 g) = 0.000283 mW/g**
Maximum value of SAR (measured) = 0.01 mW/g



Date/Time: 2005/6/29 16:55:11

Test Laboratory: Advance Data Technology

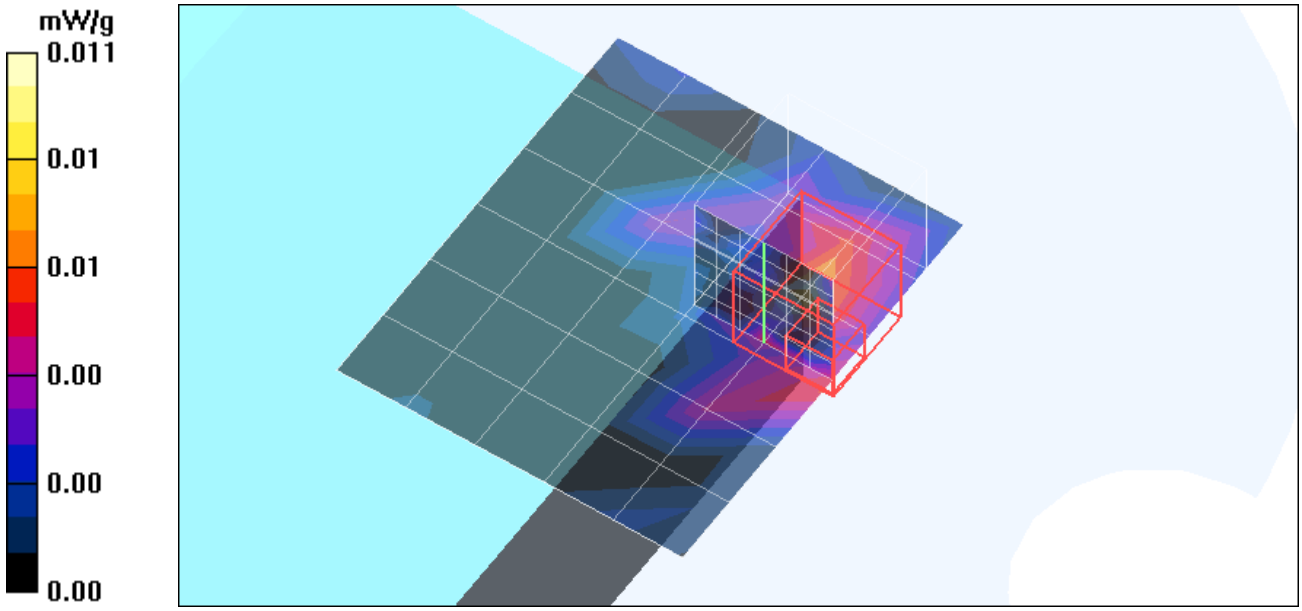
## TA1 Bottom 11a Main Antenna Mode 11

**DUT: Notebook computer ; Type: TA1 ; 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 MHz; $\sigma$ = 6.22 mho/m; $\varepsilon_r$ = 46.9; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Mid Channel 5785/Area Scan (6x7x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.01 mW/g

**Mid Channel 5785/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.296 V/m
Peak SAR (extrapolated) = 0.023 W/kg
**SAR(1 g) = 0.00178 mW/g; SAR(10 g) = 0.000307 mW/g**



Date/Time: 2005/6/29 17:13:53

Test Laboratory: Advance Data Technology

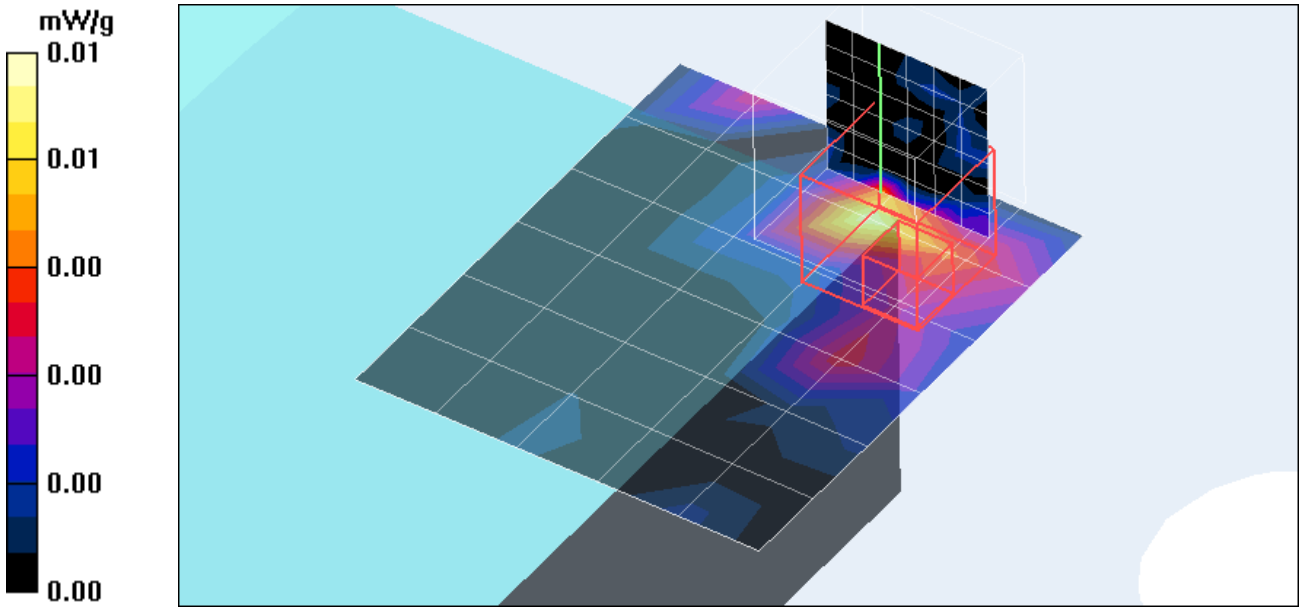
## TA1 Bottom 11a Main Antenna Mode 11

**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5825 MHz**

Communication System: 802.11a ; Frequency: 5825 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5825 MHz; $\sigma$ = 6.28 mho/m; $\varepsilon_r$ = 46.9; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**High Channel 5825/Area Scan (6x7x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.01 mW/g

**High Channel 5825/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.305 V/m
Peak SAR (extrapolated) = 0.024 W/kg
**SAR(1 g) = 0.00265 mW/g; SAR(10 g) = 0.000546 mW/g**



Date/Time: 2005/6/29 17:30:03

Test Laboratory: Advance Data Technology

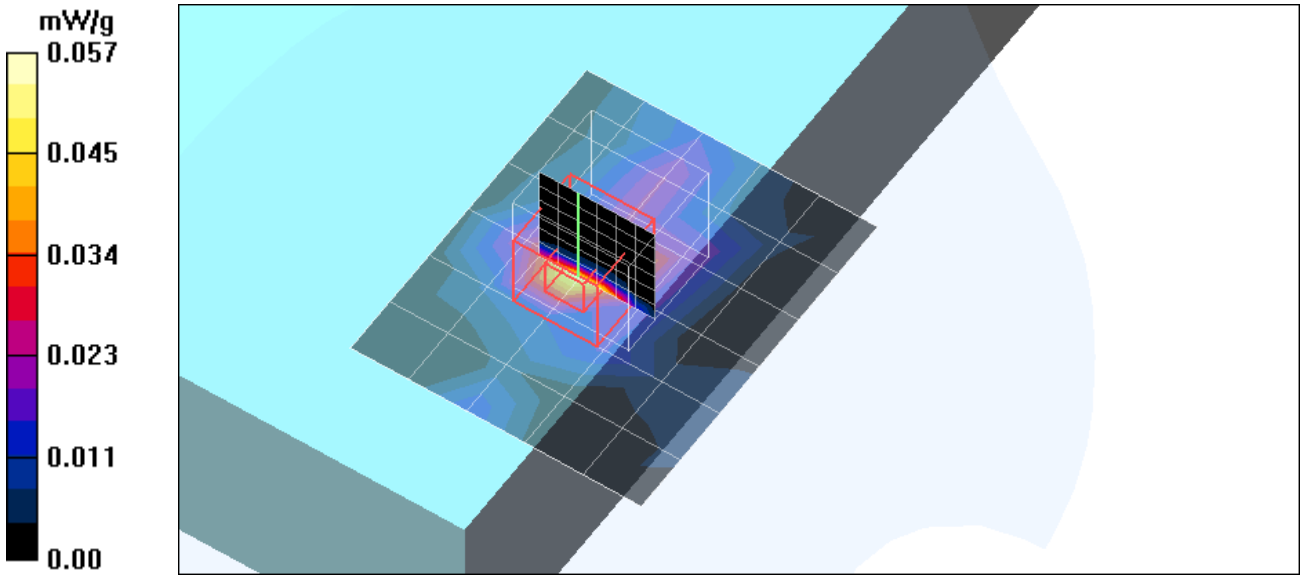
## TA1 Bottom 11a Auxiliary Antenna Mode 12

**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5180 MHz**

Communication System: 802.11a ; Frequency: 5180 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5180 MHz; $\sigma$ = 5.28 mho/m; $\varepsilon_r$ = 48; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Low Channel 5180/Area Scan (6x7x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.057 mW/g

**Low Channel 5180/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.2997 V/m
Peak SAR (extrapolated) = 0.267 W/kg
**SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.019 mW/g**
Maximum value of SAR (measured) = 0.052 mW/g



Date/Time: 2005/6/29 17:46:34

Test Laboratory: Advance Data Technology

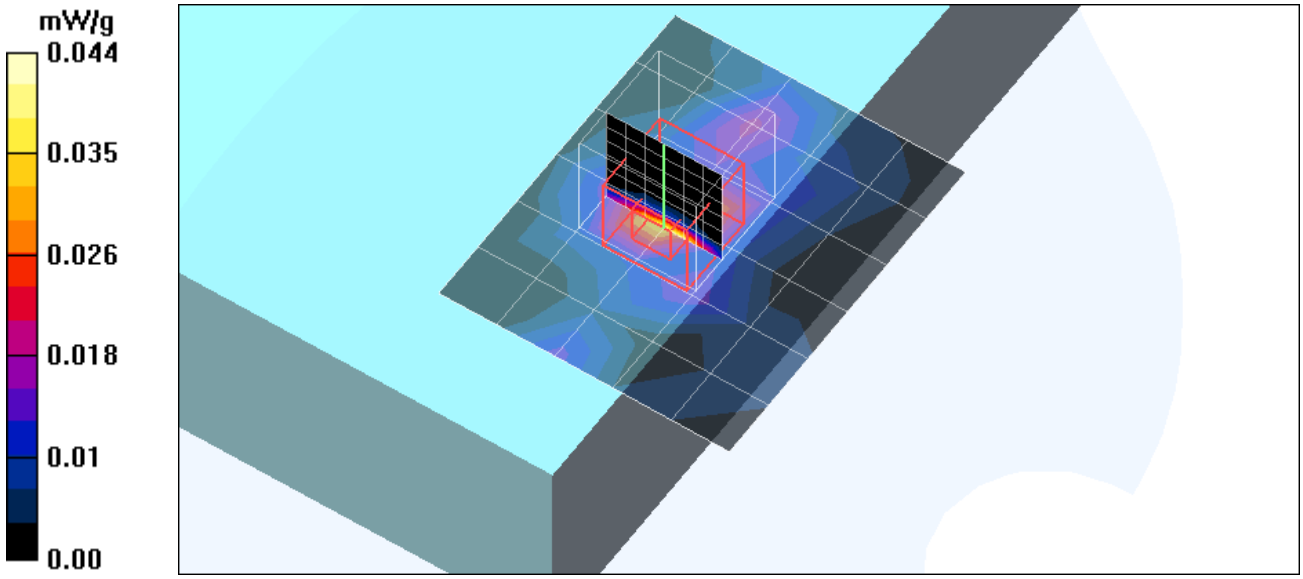
## TA1 Bottom 11a Auxiliary Antenna Mode 12

**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5240 MHz**

Communication System: 802.11a ; Frequency: 5240 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5240 MHz; $\sigma$ = 5.38 mho/m; $\varepsilon_r$ = 48; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Mid Channel 5240/Area Scan (6x7x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.040 mW/g

**Mid Channel 5240/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.574 V/m
Peak SAR (extrapolated) = 0.190 W/kg
**SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.014 mW/g**
Maximum value of SAR (measured) = 0.044 mW/g



Date/Time: 2005/6/29 18:03:10

Test Laboratory: Advance Data Technology

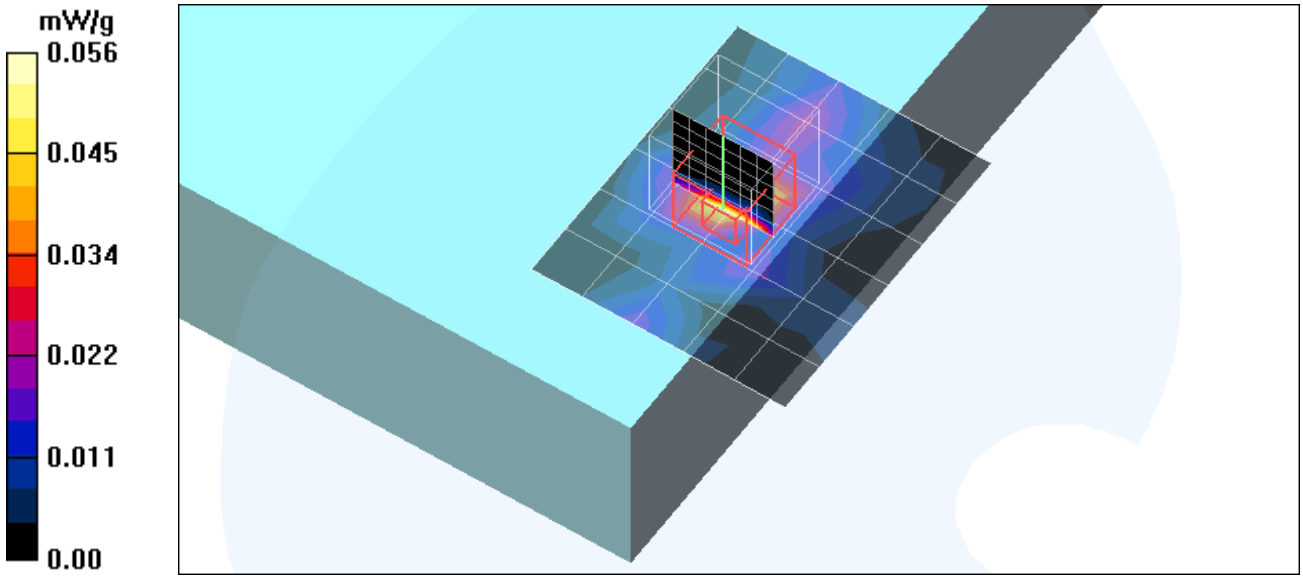
## TA1 Bottom 11a Auxiliary Antenna Mode 12

**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5260 MHz**

Communication System: 802.11a ; Frequency: 5260 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5260 MHz; $\sigma$ = 5.4 mho/m; $\varepsilon_r$ = 48; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Mid Channel 5260/Area Scan (6x7x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.057 mW/g

**Mid Channel 5260/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.589 V/m
Peak SAR (extrapolated) = 0.167 W/kg
**SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.018 mW/g**
Maximum value of SAR (measured) = 0.056 mW/g



Date/Time: 2005/6/29 18:19:33

Test Laboratory: Advance Data Technology

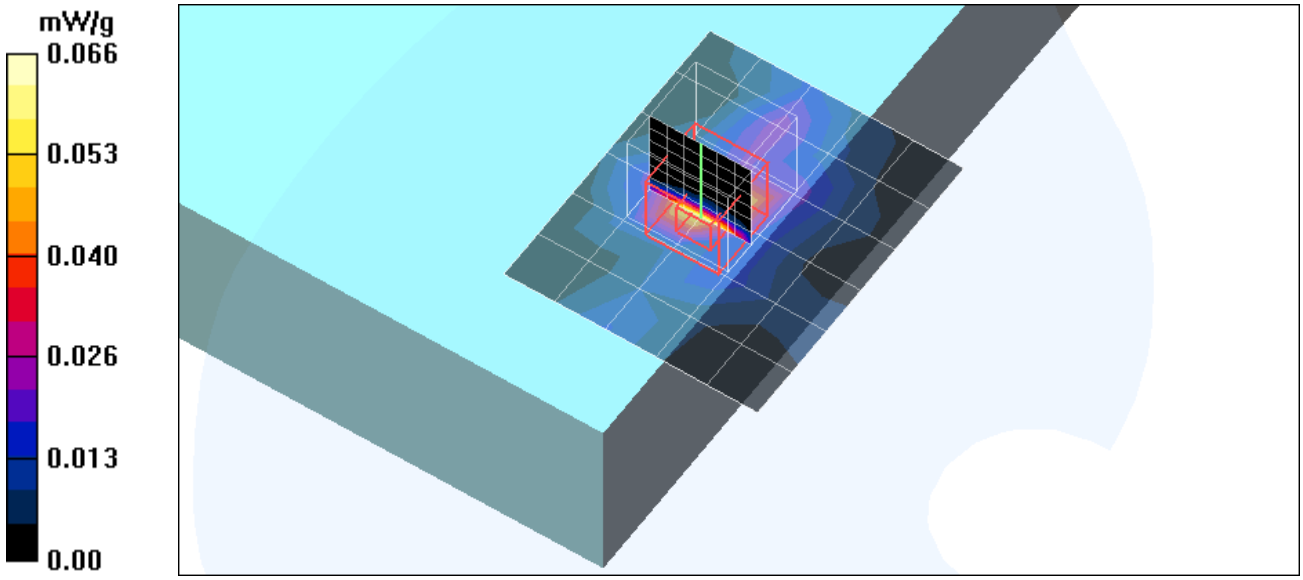
## TA1 Bottom 11a Auxiliary Antenna Mode 12

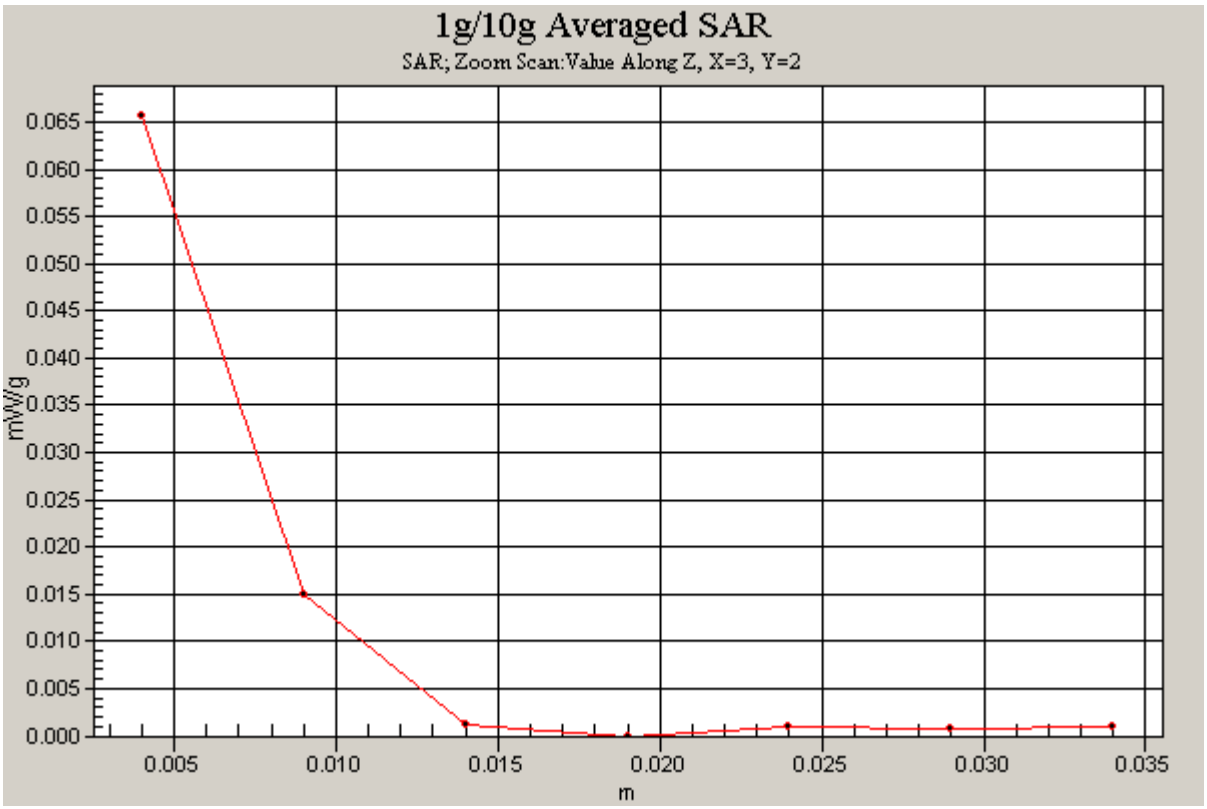
**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5320 MHz**

Communication System: 802.11a ; Frequency: 5320 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5320 MHz; $\sigma$ = 5.49 mho/m; $\varepsilon_r$ = 47.9; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Mid Channel 5320/Area Scan (6x7x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.065 mW/g

**Mid Channel 5320/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.713 V/m
Peak SAR (extrapolated) = 0.186 W/kg
**SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.020 mW/g**
Maximum value of SAR (measured) = 0.066 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=3, Y=2
mW/g
0.065
0.060
0.055
0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

Date/Time: 2005/6/29 18:37:58

Test Laboratory: Advance Data Technology

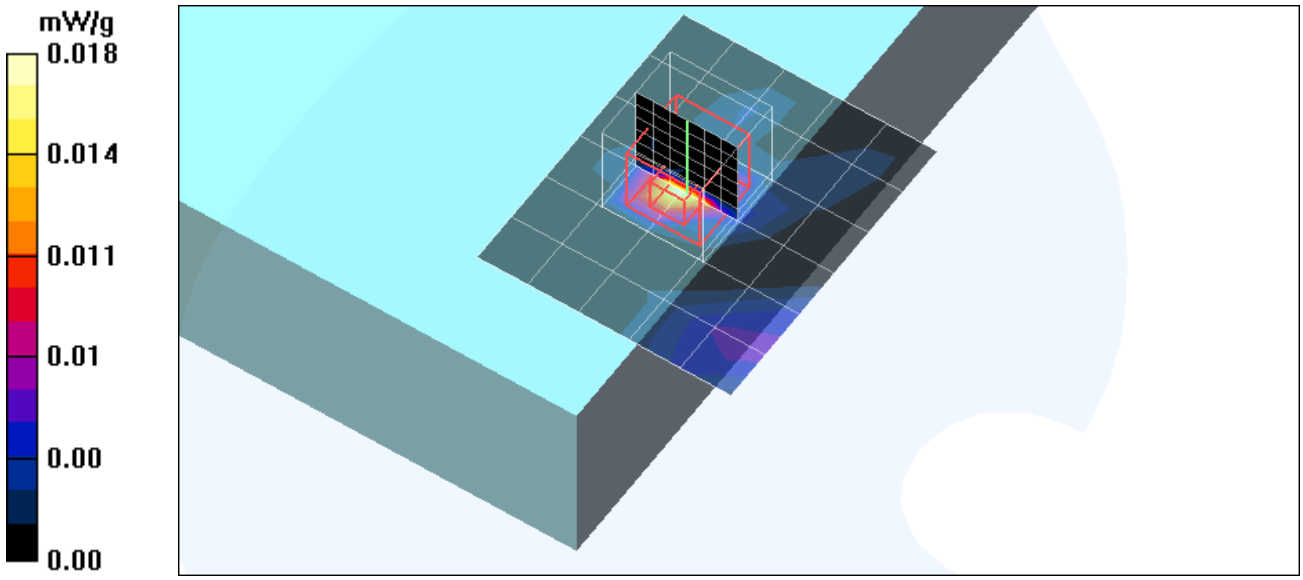
## TA1 Bottom 11a Auxiliary Antenna Mode 12

**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5745 MHz**

Communication System: 802.11a ; Frequency: 5745 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5745 MHz; $\sigma$ = 6.15 mho/m; $\varepsilon_r$ = 47; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Mid Channel 5745/Area Scan (6x7x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.018 mW/g

**Mid Channel 5745/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.542 V/m
Peak SAR (extrapolated) = 0.092 W/kg
**SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00198 mW/g**



Date/Time: 2005/6/29 18:54:22

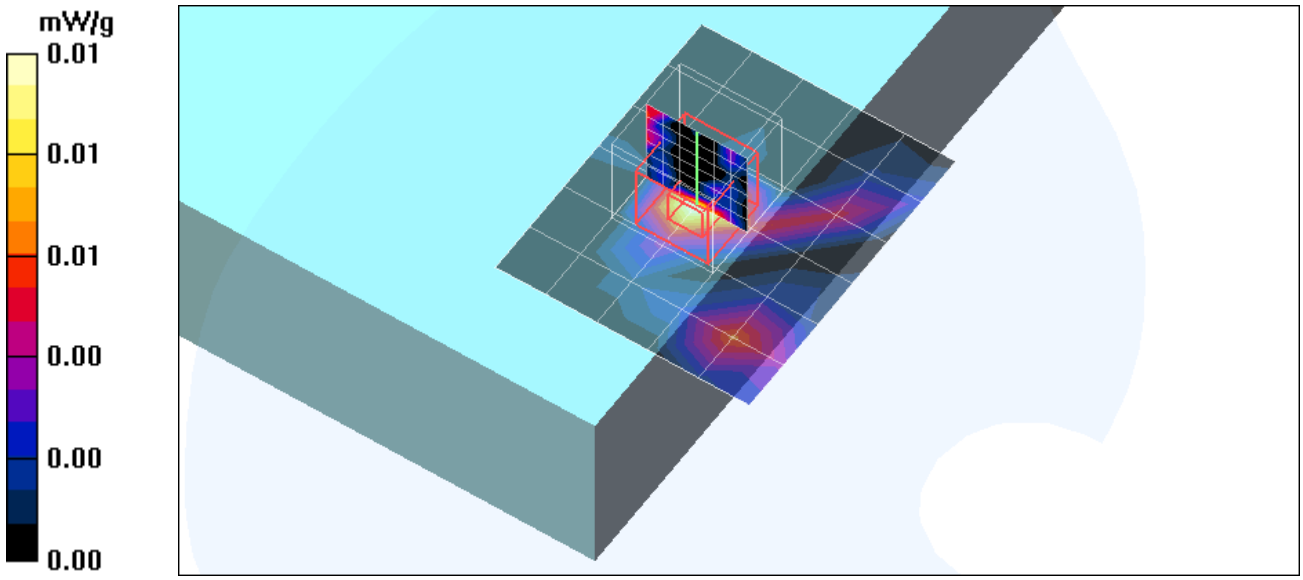
Test Laboratory: Advance Data Technology

## TA1 Bottom 11a Auxiliary Antenna Mode 12

**DUT: Notebook computer ; Type: TA1 ; 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 MHz; $\sigma$ = 6.22 mho/m; $\varepsilon_r$ = 46.9; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**Mid Channel 5785/Area Scan (6x7x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.012 mW/g

**Mid Channel 5785/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.419 V/m
Peak SAR (extrapolated) = 0.014 W/kg
**SAR(1 g) = 0.00118 mW/g; SAR(10 g) = 0.000119 mW/g**
Maximum value of SAR (measured) = 0.01 mW/g



Date/Time: 2005/6/29 19:31:53

Test Laboratory: Advance Data Technology

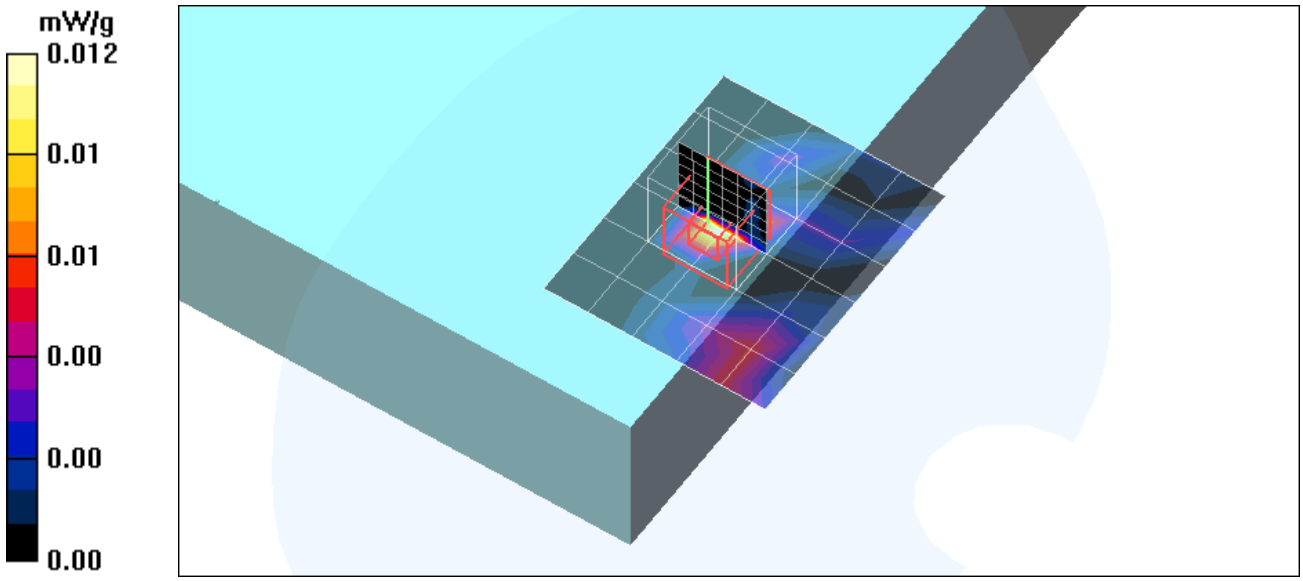
## TA1 Bottom 11a Auxiliary Antenna Mode 12

**DUT: Notebook computer ; Type: TA1 ; Test Frequency: 5825 MHz**

Communication System: 802.11a ; Frequency: 5825 MHz ; Duty Cycle: 1:1 ; Modulation type: OFDM
Medium: MSL5800 Medium parameters used: f = 5825 MHz; $\sigma$ = 6.28 mho/m; $\varepsilon_r$ = 46.9; $\rho$ = 1000 kg/m$^3$ ; Liquid level : 150mm
Phantom section: Flat Section ; Separation distance : 0 mm (The bottom side of the EUT to the Phantom)
Antenna type : Internal Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2005/3/23
- Phantom: SAM 12 ; Type: SAM V4.0 ; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 146

**High Channel 5825/Area Scan (6x7x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.013 mW/g

**High Channel 5825/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.562 V/m
Peak SAR (extrapolated) = 0.062 W/kg
**SAR(1 g) = 0.00886 mW/g; SAR(10 g) = 0.00114 mW/g**
Maximum value of SAR (measured) = 0.012 mW/g



Date/Time: 2005/6/30 09:35:45

Test Laboratory: Advance Data Technology

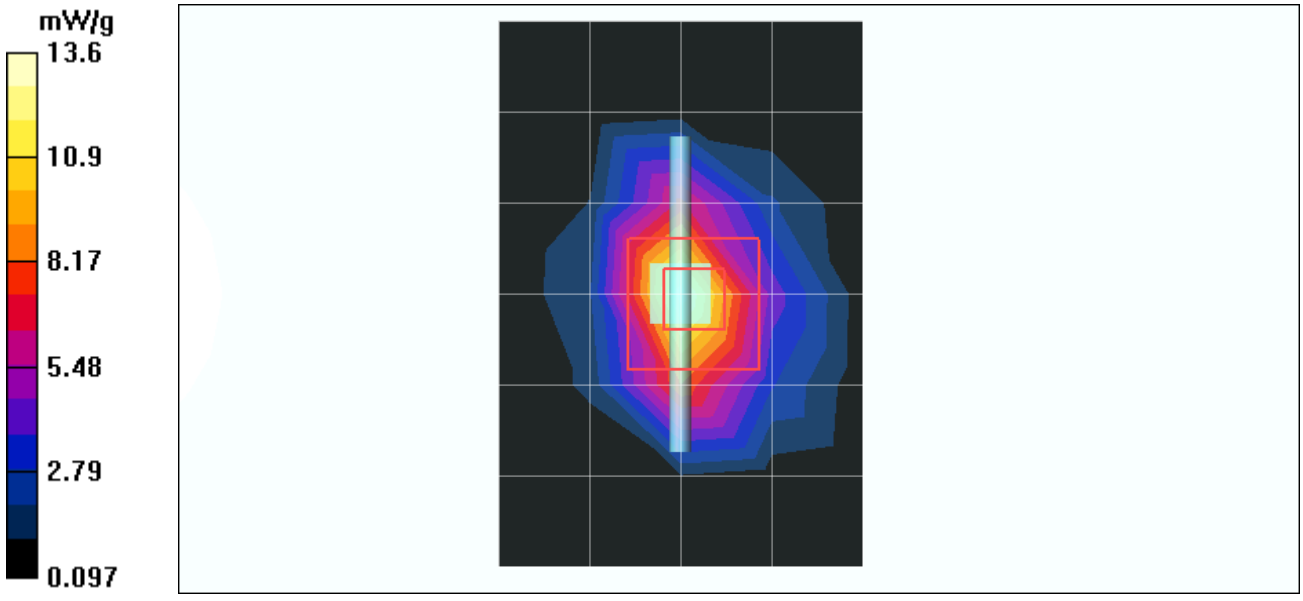
## System Validation Check-MSL 2450MHz

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

Communication System: CW ; Frequency: 2450 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: MSL2450;Medium parameters used: f = 2450 MHz; $\sigma$ = 2.01 mho/m; $\varepsilon_r$ = 53; $\rho$ = 1000 kg/m$^3$ ;
Liquid level : 151 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 = 86.8 V/m; Power Drift = -0.110 dB
Peak SAR (extrapolated) = 25.8 W/kg
**SAR(1 g) = 12.6 mW/g; SAR(10 g) = 5.78 mW/g**
Maximum value of SAR (measured) = 13.6 mW/g



Date/Time: 2005/6/29 09:18:13

Test Laboratory: Advance Data Technology

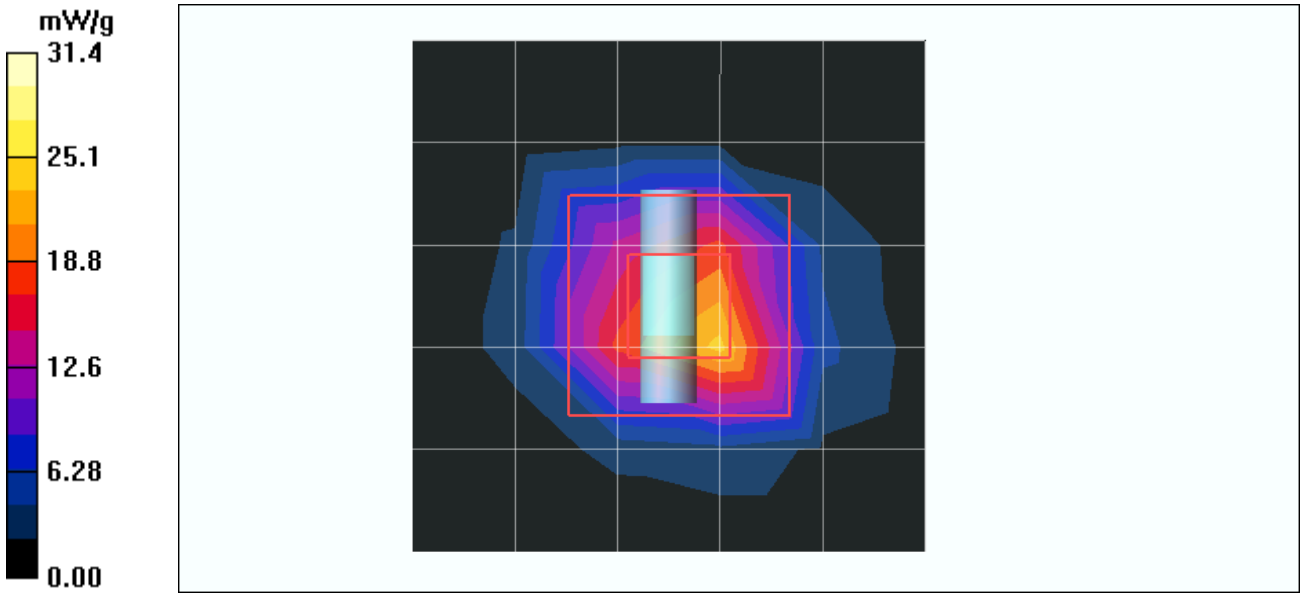
## System Validation Check-MSL 5GHz

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

Communication System: CW ; Frequency: 5200 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: MSL5800;Medium parameters used: f = 5200 MHz; $\sigma$ = 5.31 mho/m; $\varepsilon_r$ = 48; $\rho$ = 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. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.57, 4.57, 4.57) ; Calibrated: 2004/3/19
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579;
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**f=5200, d=10mm, Pin=250mW/Area Scan (6x6x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 23.9 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 = 82.9 V/m; Power Drift = 0.059 dB
Peak SAR (extrapolated) = 63.9 W/kg
**SAR(1 g) = 18.4 mW/g; SAR(10 g) = 5.18 mW/g**
Maximum value of SAR (measured) = 31.4 mW/g



Date/Time: 2005/6/29 09:42:54

Test Laboratory: Advance Data Technology

## System Validation Check-MSL 5GHz

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

Communication System: CW ; Frequency: 5800 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: MSL5800;Medium parameters used: f = 5800 MHz; $\sigma$ = 6.25 mho/m; $\varepsilon_r$ = 46.9; $\rho$ = 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. : 22.0 degrees ; Liquid temp. : 21.0 degrees
DASY4 Configuration:
- Probe: EX3DV3 - SN3506 ; ConvF(4.19, 4.19, 4.19) ; Calibrated: 2004/3/19
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579;
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**f=5800, d=10mm, Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 33.4 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 = 78.0 V/m; Power Drift = 0.018 dB
Peak SAR (extrapolated) = 74.9 W/kg
**SAR(1 g) = 17.7 mW/g; SAR(10 g) = 4.91 mW/g**
Maximum value of SAR (measured) = 32.0 mW/g