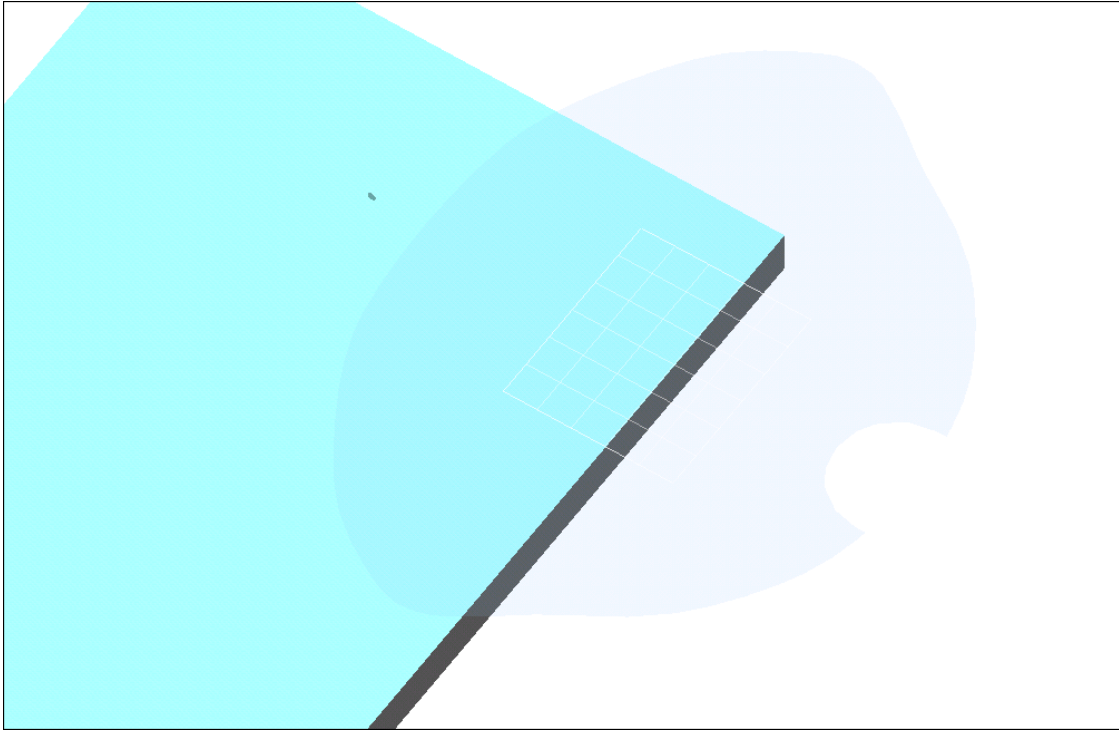


Test Laboratory: Compliance Certification Services Inc.

# ANTTENA 1



Test Laboratory: Compliance Certification Services Inc.  
File Name: [0mmA1.da4](#)

## 0mmA1 ch1 rate=5.5

**DUT: NOTEBOOK; Type: CL32(b); Serial: n/a**  
**Program: 0mm**

Communication System: DSSS; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 ( $\sigma = 1.984$  mho/m,  $\epsilon_r = 51.166$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Air Temperature 25.8 deg C ; Liquid Temperature 25.4 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(4.6, 4.6, 4.6); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**CH 1 rate=5.5/Area Scan (6x9x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 4.95 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.0445 mW/g

**CH 1 rate=5.5/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 4.95 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.0343 mW/g

**CH 1 rate=5.5/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

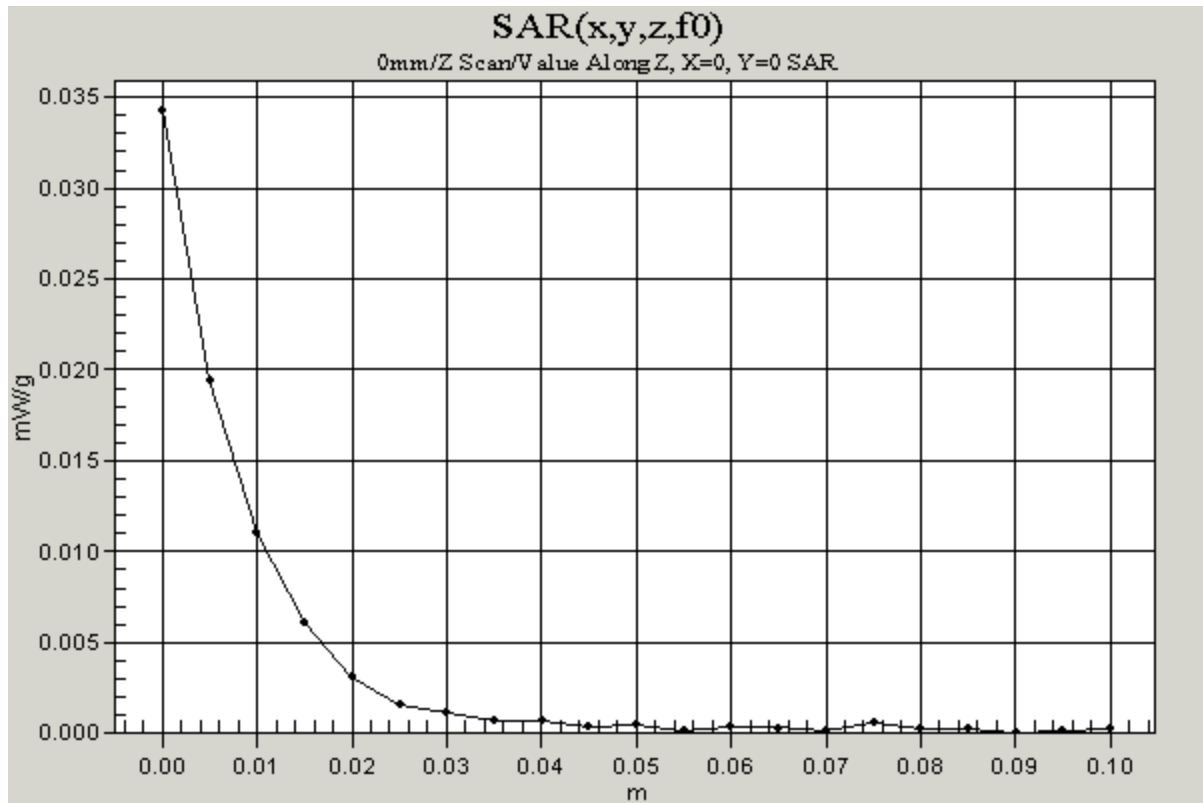
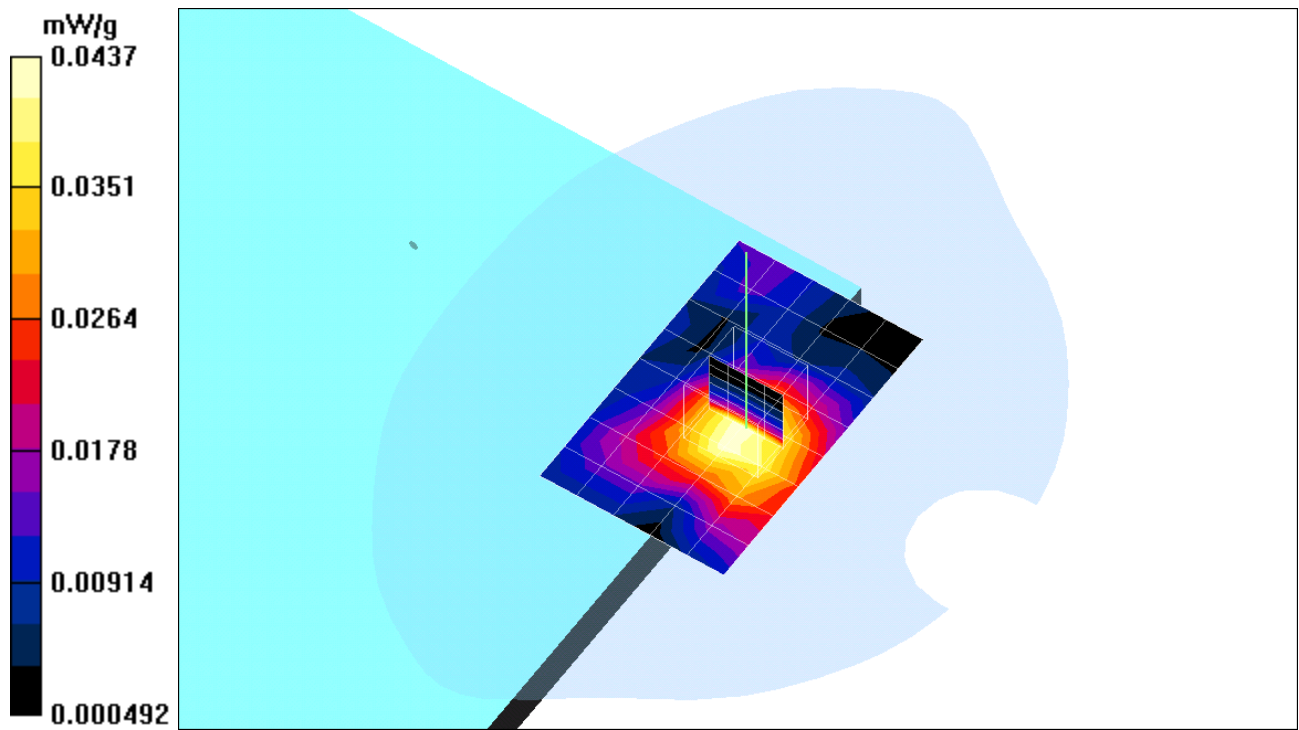
Peak SAR (extrapolated) = 0.082 W/kg

SAR(1 g) = 0.0428 mW/g; SAR(10 g) = 0.0248 mW/g

Reference Value = 4.95 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.0437 mW/g



Test Laboratory: Compliance Certification Services Inc.  
File Name: [0mm.da4](#)

**0mm ch6 rate=1**

**DUT: NOTEBOOK; Type: CL32(b); Serial: n/a**  
**Program: 0mm**

Communication System: DSSS; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium: HSL2450 ( $\sigma = 1.984$  mho/m,  $\epsilon_r = 51.166$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Air Temperature 25.8 deg C ; Liquid Temperature 25.4 deg C  
Phantom section: Flat Section

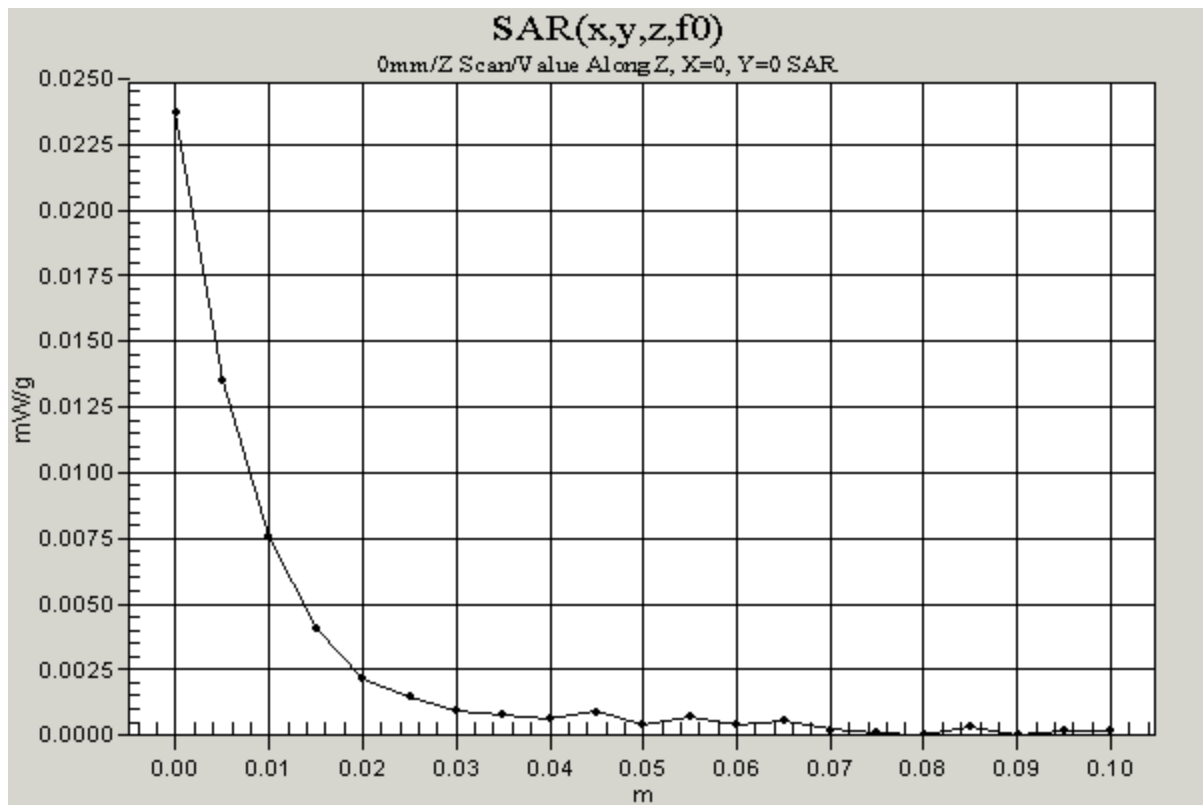
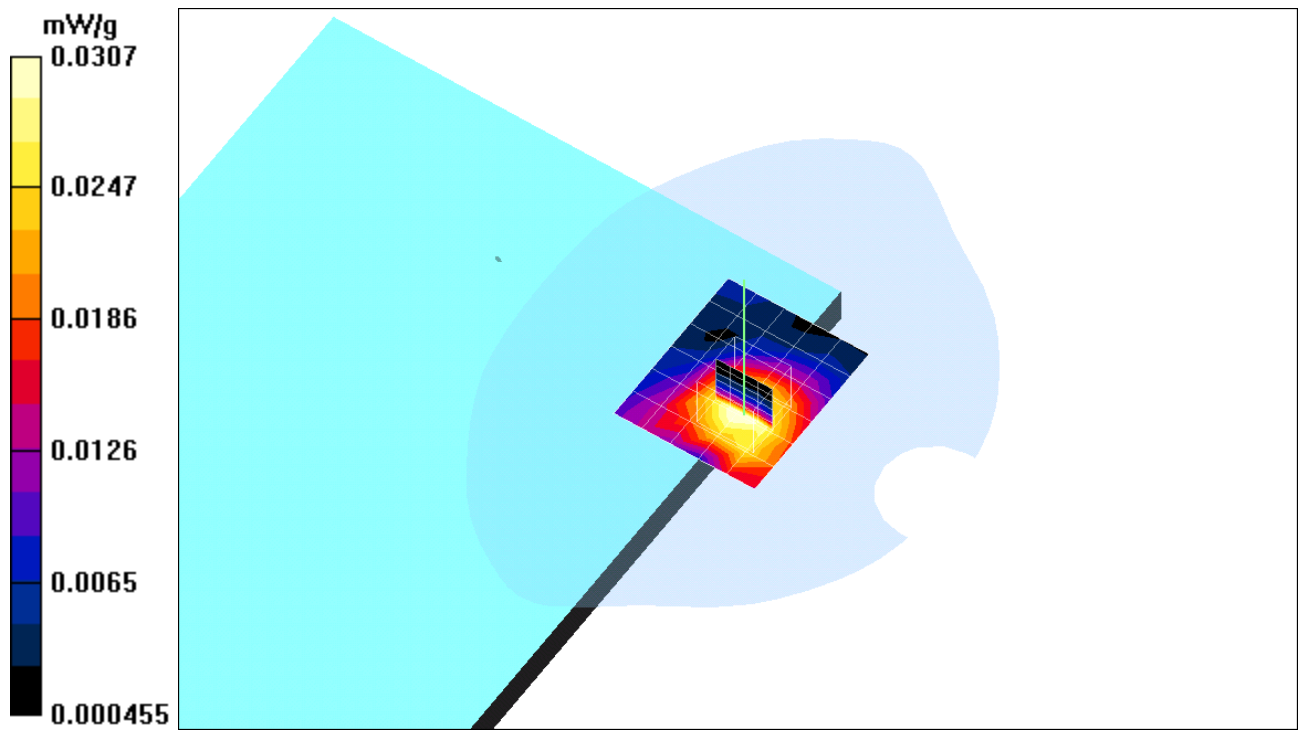
DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(4.6, 4.6, 4.6); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**CH 6 rate=1/Area Scan (6x7x1):** Measurement grid: dx=15mm, dy=15mm  
Reference Value = 3.88 V/m  
Power Drift = -0.2 dB  
Maximum value of SAR = 0.0318 mW/g

**CH 6 rate=1/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Reference Value = 3.88 V/m  
Power Drift = -0.2 dB  
Maximum value of SAR = 0.0237 mW/g

**CH 6 rate=1/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Peak SAR (extrapolated) = 0.0562 W/kg  
SAR(1 g) = 0.0299 mW/g; SAR(10 g) = 0.0174 mW/g  
Reference Value = 3.88 V/m  
Power Drift = -0.2 dB  
Maximum value of SAR = 0.0307 mW/g



Test Laboratory: Compliance Certification Services Inc.  
File Name: [0mm.da4](#)

## **0mm ch6 rate=2**

**DUT: NOTEBOOK; Type: CL32(b); Serial: n/a**  
**Program: 0mm**

Communication System: DSSS; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium: HSL2450 ( $\sigma = 1.984$  mho/m,  $\epsilon_r = 51.166$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Air Temperature 25.8 deg C ; Liquid Temperature 25.4 deg C  
Phantom section: Flat Section

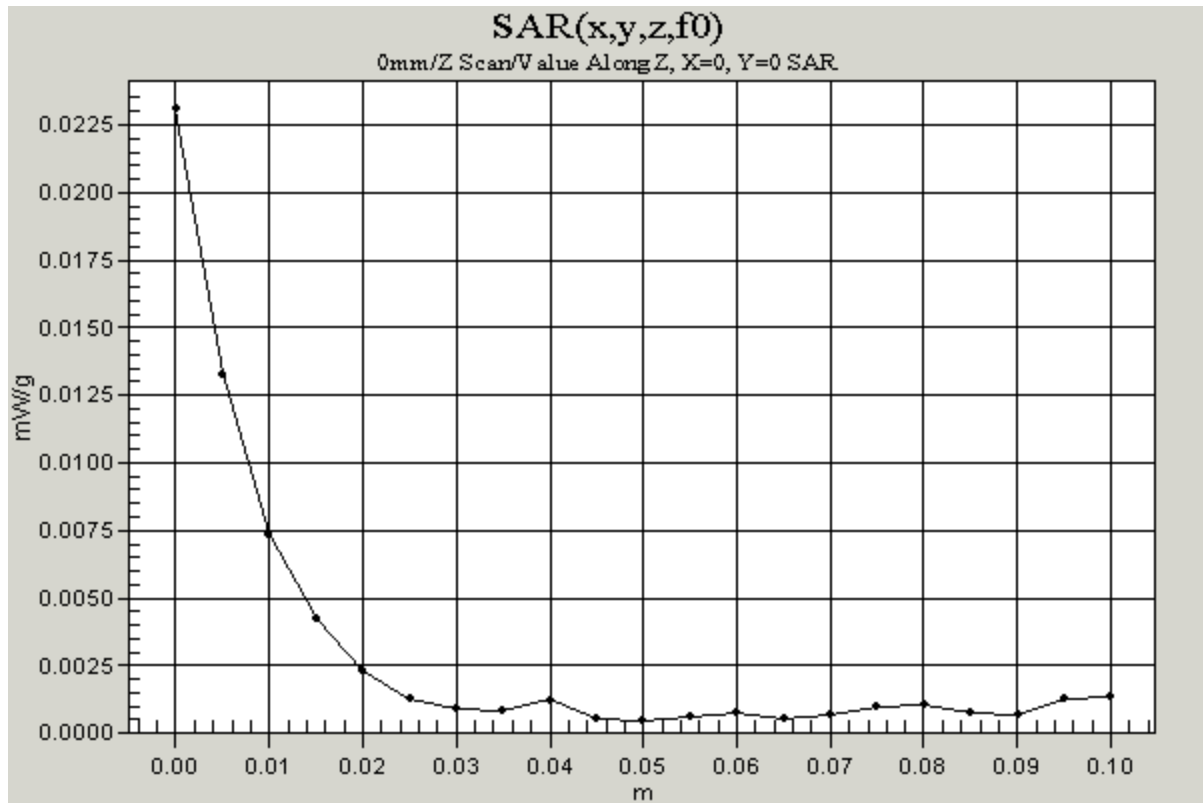
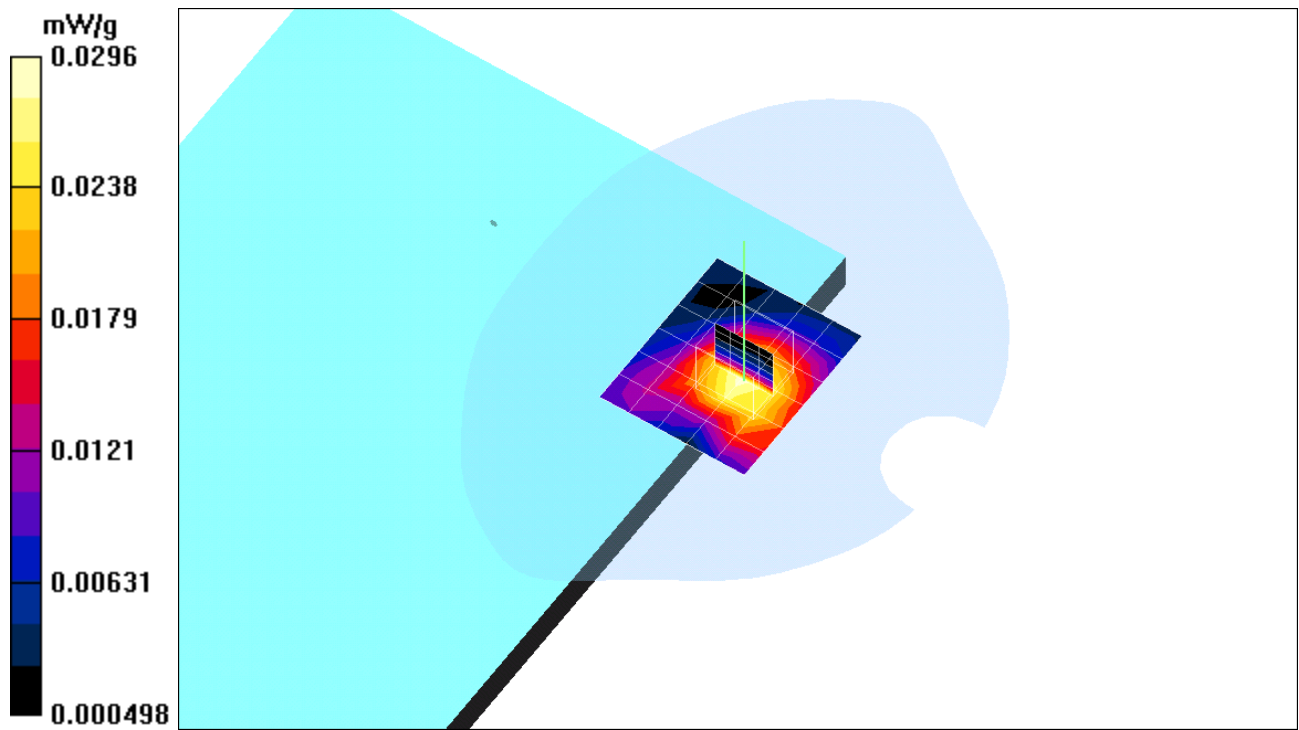
DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(4.6, 4.6, 4.6); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**CH 6 rate=2/Area Scan (6x7x1):** Measurement grid: dx=15mm, dy=15mm  
Reference Value = 3.69 V/m  
Power Drift = 0.1 dB  
Maximum value of SAR = 0.0295 mW/g

**CH 6 rate=2/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Reference Value = 3.69 V/m  
Power Drift = -0.03 dB  
Maximum value of SAR = 0.0231 mW/g

**CH 6 rate=2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Peak SAR (extrapolated) = 0.0549 W/kg  
SAR(1 g) = **0.0287** mW/g; SAR(10 g) = 0.0165 mW/g  
Reference Value = 3.69 V/m  
Power Drift = 0.1 dB  
Maximum value of SAR = 0.0296 mW/g



Test Laboratory: Compliance Certification Services Inc.  
File Name: [0mmA1.da4](#)

## **0mmA1 ch6 rate=5.5**

**DUT: NOTEBOOK; Type: CL32(b); Serial: n/a**  
**Program: 0mm**

Communication System: DSSS; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 ( $\sigma = 1.984$  mho/m,  $\epsilon_r = 51.166$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Air Temperature 25.8 deg C ; Liquid Temperature 25.4 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(4.6, 4.6, 4.6); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**CH 6 rate=5.5/Area Scan (6x7x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 4.1 V/m

Power Drift = -0.09 dB

Maximum value of SAR = 0.0322 mW/g

**CH 6 rate=5.5/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 4.1 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.0255 mW/g

**CH 6 rate=5.5/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Peak SAR (extrapolated) = 0.059 W/kg

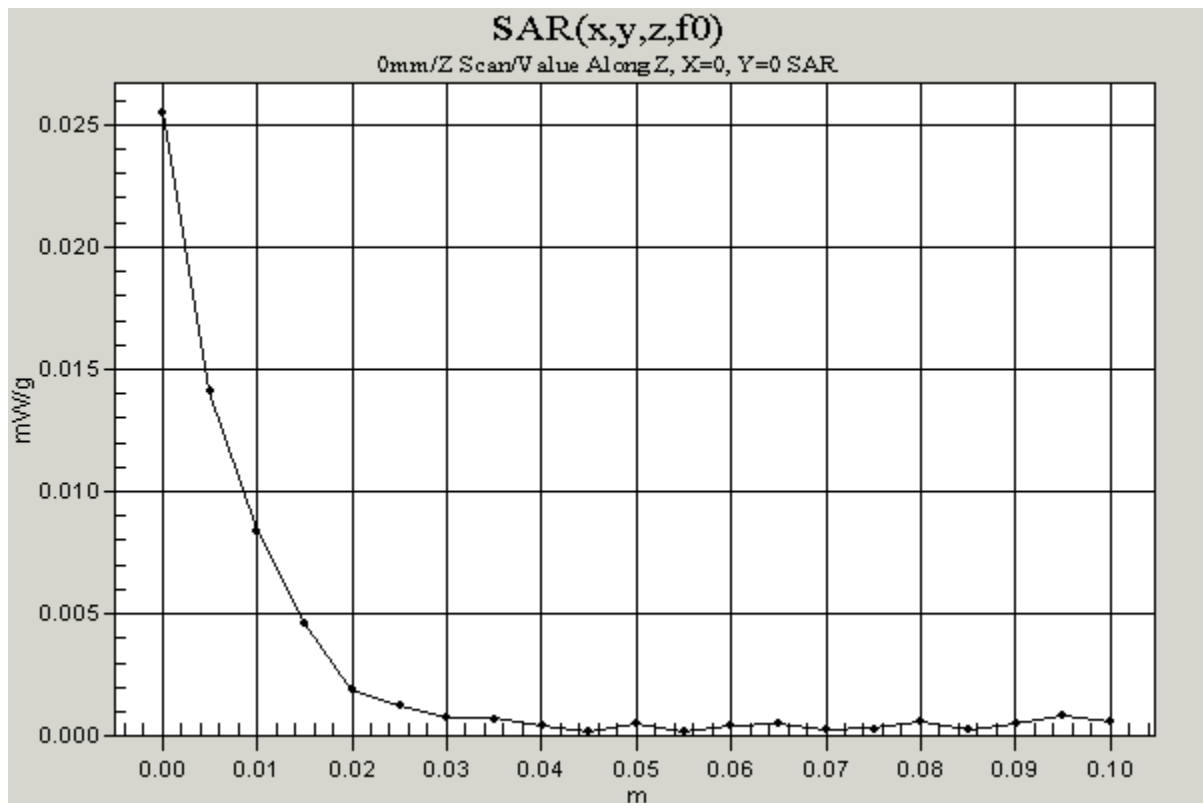
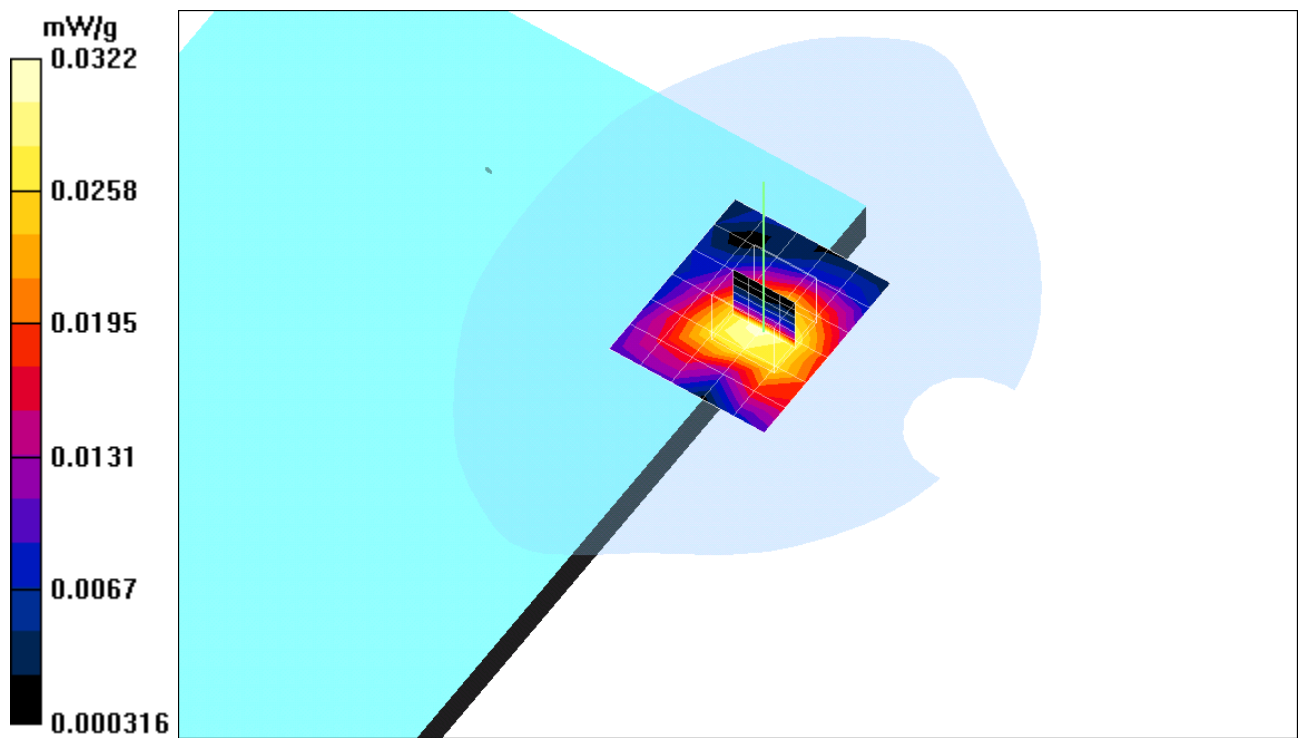
SAR(1 g) = 0.0311 mW/g; SAR(10 g) = 0.018 mW/g

Reference Value = 4.1 V/m

Power Drift = -0.09 dB

Maximum value of SAR = 0.0322 mW/g





Test Laboratory: Compliance Certification Services Inc.  
File Name: [0mmA1.da4](#)

## 0mmA1 ch6 rate=11

**DUT: NOTEBOOK; Type: CL32(b); Serial: n/a**  
**Program: 0mm**

Communication System: DSSS; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 ( $\sigma = 1.984$  mho/m,  $\epsilon_r = 51.166$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Air Temperature 25.8 deg C ; Liquid Temperature 25.4 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(4.6, 4.6, 4.6); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**CH 6 rate=11/Area Scan (6x7x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 3.56 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 0.03 mW/g

**CH 6 rate=11/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 3.56 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.0226 mW/g

**CH 6 rate=11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

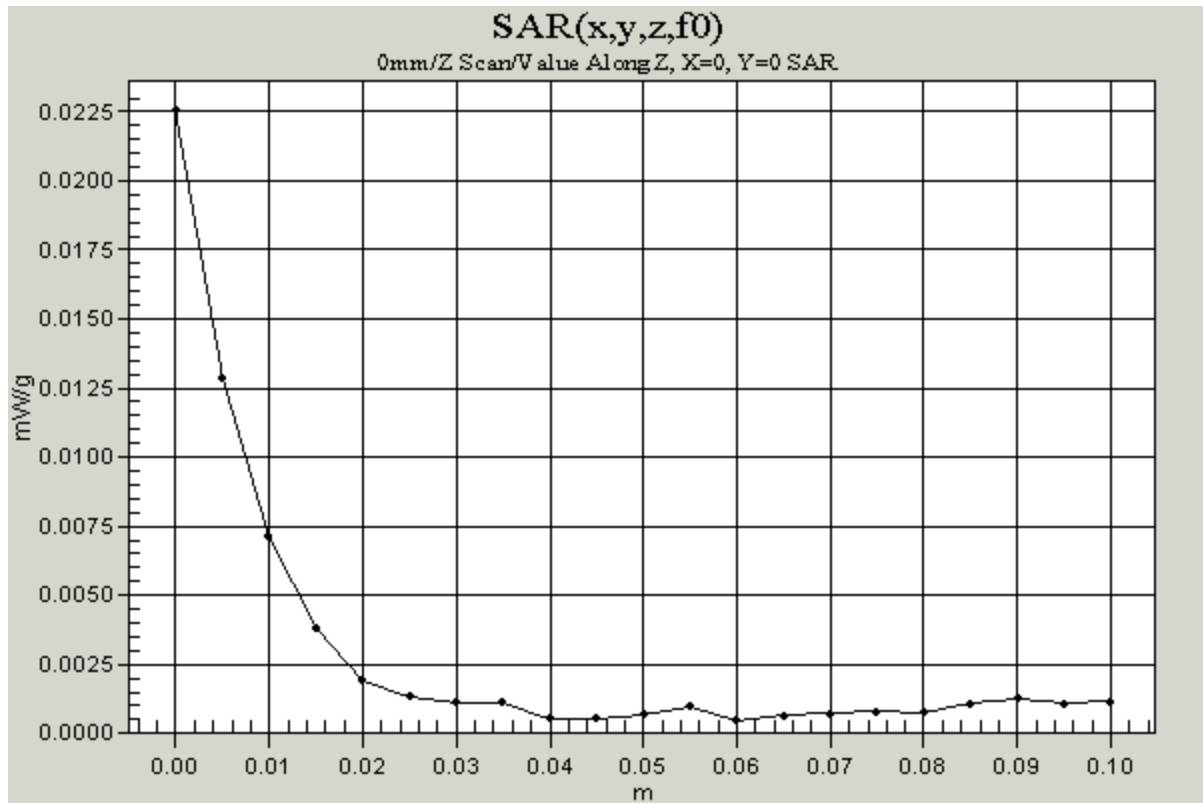
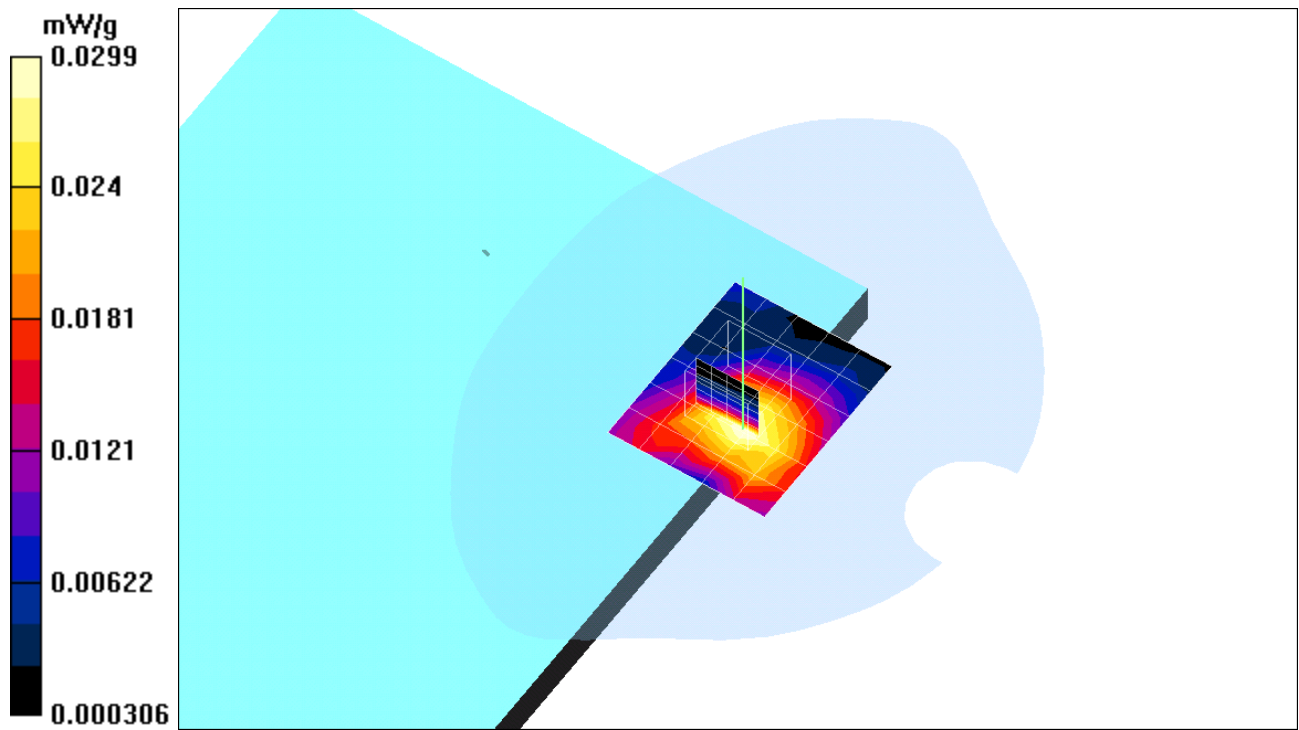
Peak SAR (extrapolated) = 0.0557 W/kg

SAR(1 g) = 0.0288 mW/g; SAR(10 g) = 0.0164 mW/g

Reference Value = 3.56 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 0.0299 mW/g



Test Laboratory: Compliance Certification Services Inc.  
File Name: [0mmA1.da4](#)

## 0mmA1

**DUT: NOTEBOOK; Type: CL32(b); Serial: n/a**  
**Program: 0mm**

Communication System: DSSS; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: HSL2450 ( $\sigma = 1.984$  mho/m,  $\epsilon_r = 51.166$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Air Temperature 25.8 deg C ; Liquid Temperature 25.4 deg C  
Phantom section: Flat Section

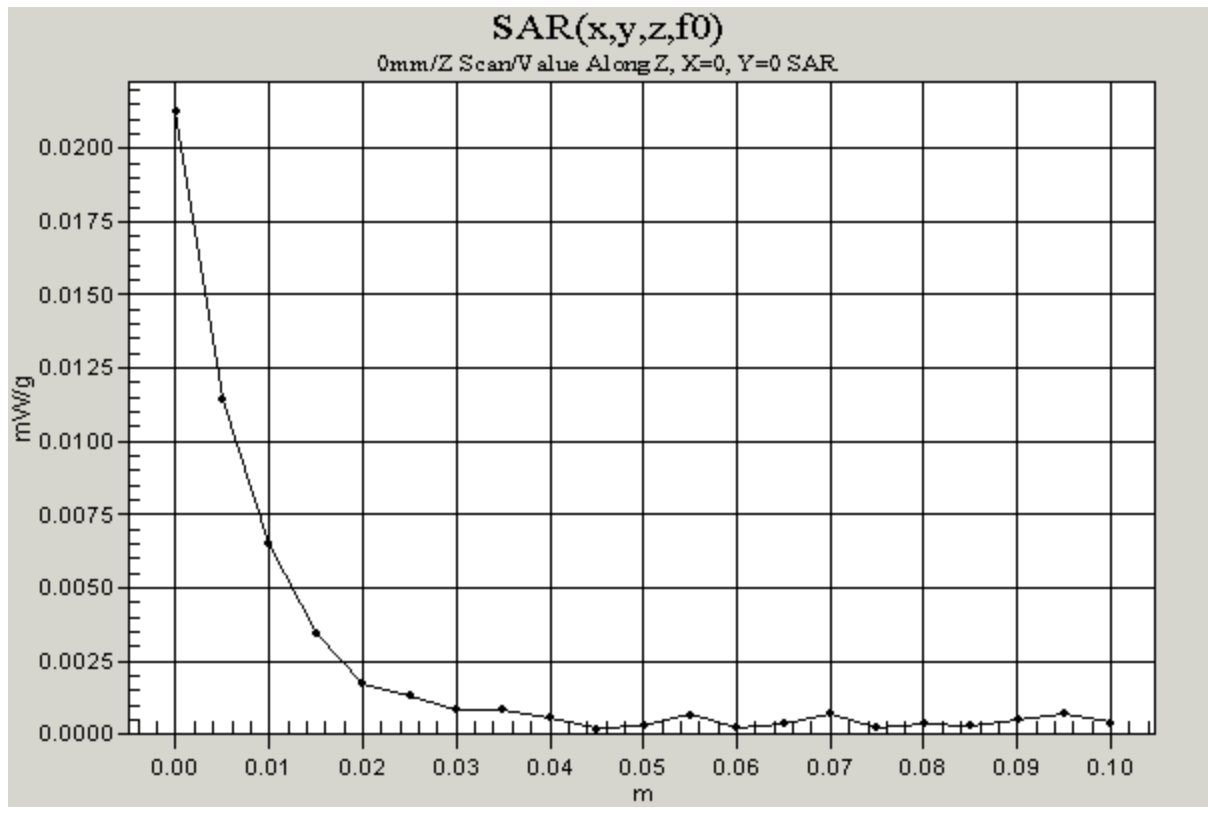
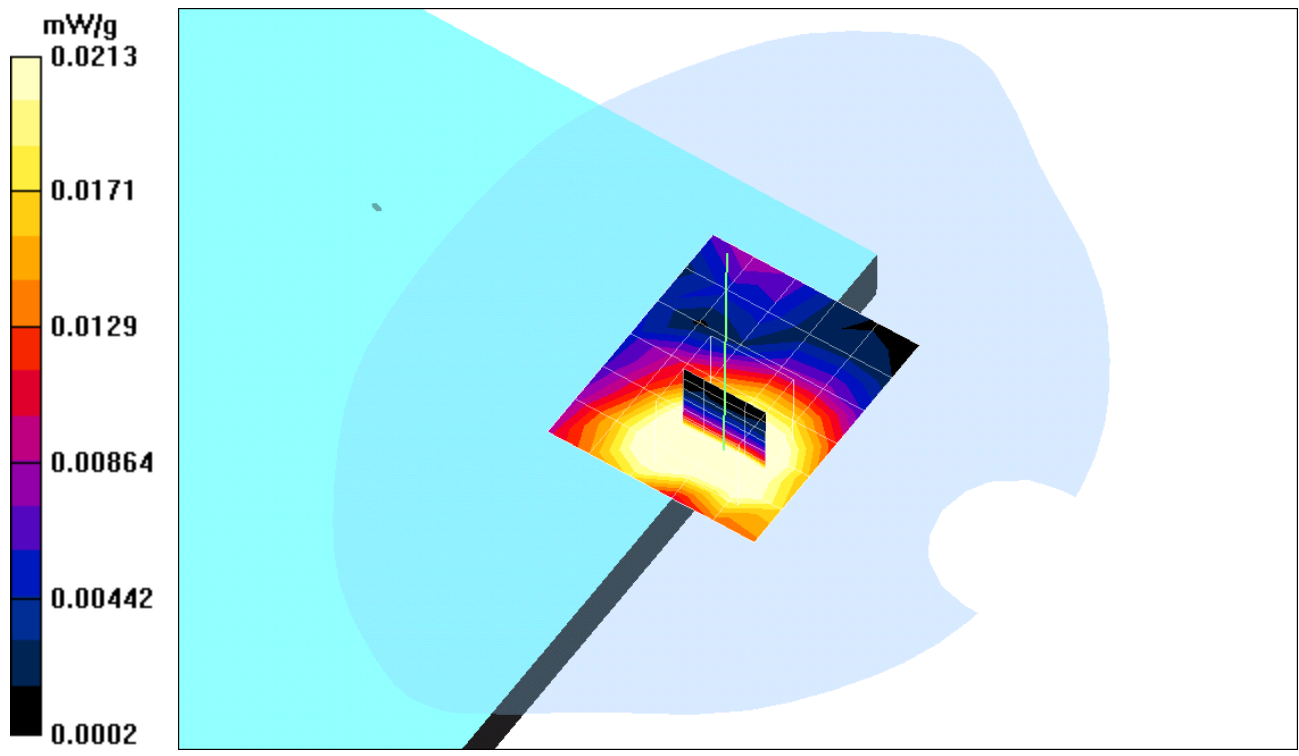
DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(4.6, 4.6, 4.6); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**CH 11 rate=1/Area Scan (6x7x1):** Measurement grid: dx=15mm, dy=15mm  
Reference Value = 3.17 V/m  
Power Drift = 0.003 dB  
Maximum value of SAR = 0.026 mW/g

**CH 11 rate=1/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Peak SAR (extrapolated) = 0.0533 W/kg  
SAR(1 g) = 0.0265 mW/g; SAR(10 g) = 0.0149 mW/g  
Reference Value = 3.17 V/m  
Power Drift = 0.003 dB  
Maximum value of SAR = 0.0273 mW/g

**CH 11 rate=1/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Reference Value = 3.17 V/m  
Power Drift = -0.02 dB  
Maximum value of SAR = 0.0213 mW/g



Test Laboratory: Compliance Certification Services Inc.  
File Name: [15mmA1.da4](#)

## 15mmA1 CH1 rate=5.5

**DUT: NOTEBOOK; Type: CL32(b); Serial: n/a**  
**Program: 15mm**

Communication System: DSSS; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium: HSL2450 ( $\sigma = 1.984$  mho/m,  $\epsilon_r = 51.166$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Air Temperature 25.8 deg C ; Liquid Temperature 25.4 deg C  
Phantom section: Flat Section

DASY4 Configuration:

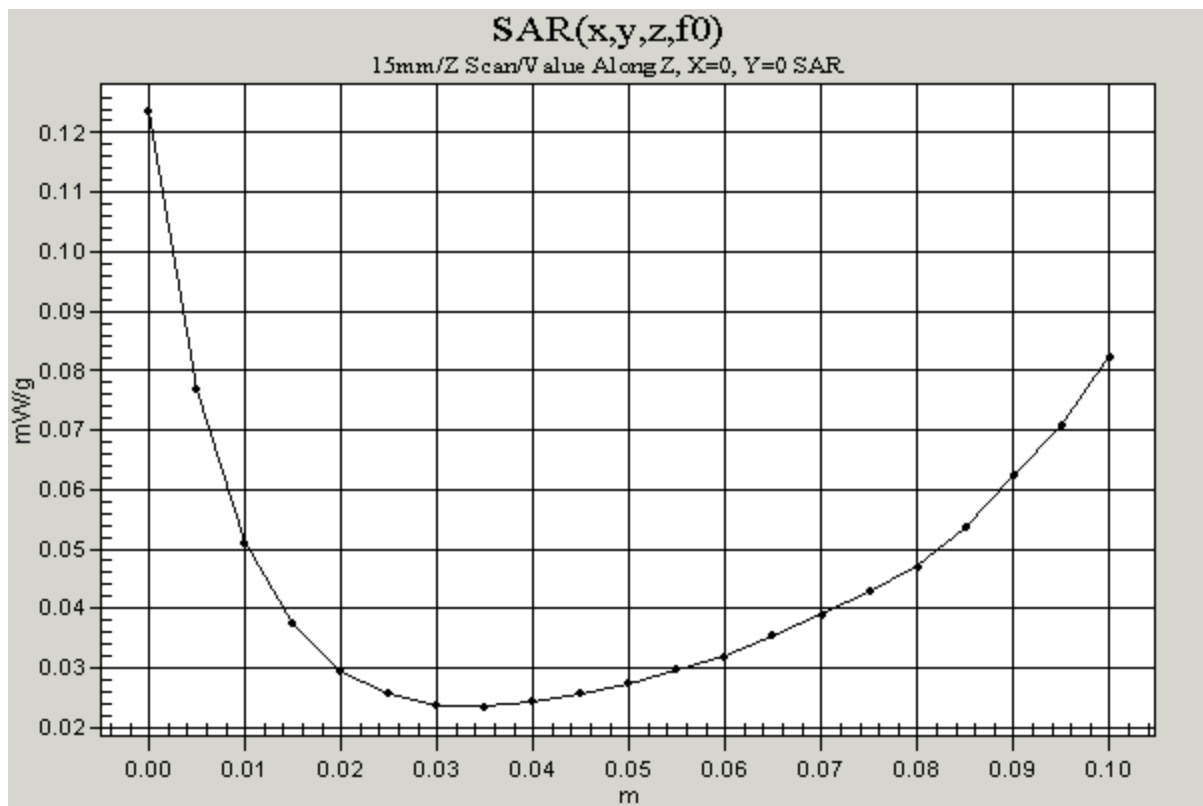
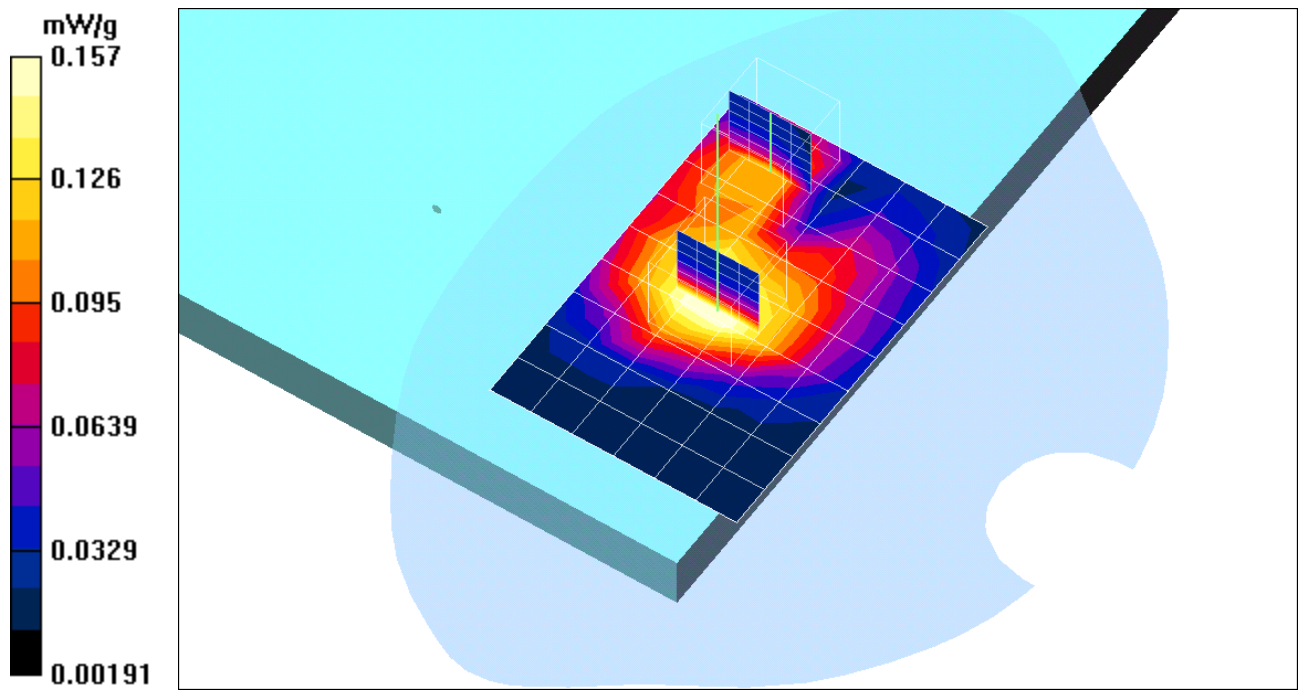
- Probe: ET3DV6 - SN1762; ConvF(4.6, 4.6, 4.6); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**CH 1 rate=5.5/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm  
Reference Value = 6.66 V/m  
Power Drift = 0.01 dB  
Maximum value of SAR = 0.154 mW/g

**CH 1 rate=5.5/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Peak SAR (extrapolated) = 0.284 W/kg  
SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.0975 mW/g  
Reference Value = 6.66 V/m  
Power Drift = 0.01 dB  
Maximum value of SAR = 0.157 mW/g

**CH 1 rate=5.5/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Peak SAR (extrapolated) = 0.218 W/kg  
SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.0788 mW/g  
Reference Value = 6.66 V/m  
Power Drift = 0.01 dB  
Maximum value of SAR = 0.13 mW/g

**CH 1 rate=5.5/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Reference Value = 6.66 V/m  
Power Drift = -0.006 dB  
Maximum value of SAR = 0.124 mW/g



Test Laboratory: Compliance Certification Services Inc.  
File Name: [15mmA1.da4](#)

## 15mmA1 CH6 rate=5.5

**DUT: NOTEBOOK; Type: CL32(b); Serial: n/a**  
**Program: 15mm**

Communication System: DSSS; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium: HSL2450 ( $\sigma = 1.984$  mho/m,  $\epsilon_r = 51.166$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Air Temperature 25.8 deg C ; Liquid Temperature 25.4 deg C  
Phantom section: Flat Section

DASY4 Configuration:

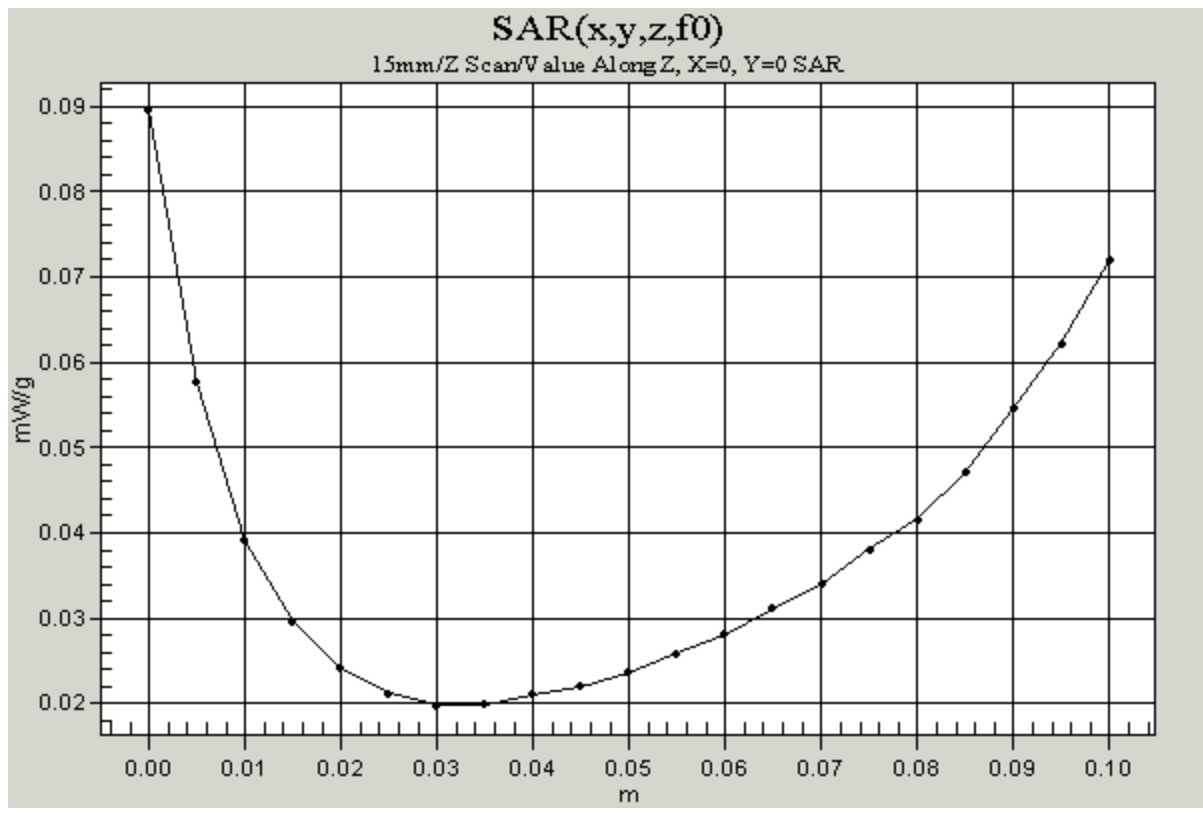
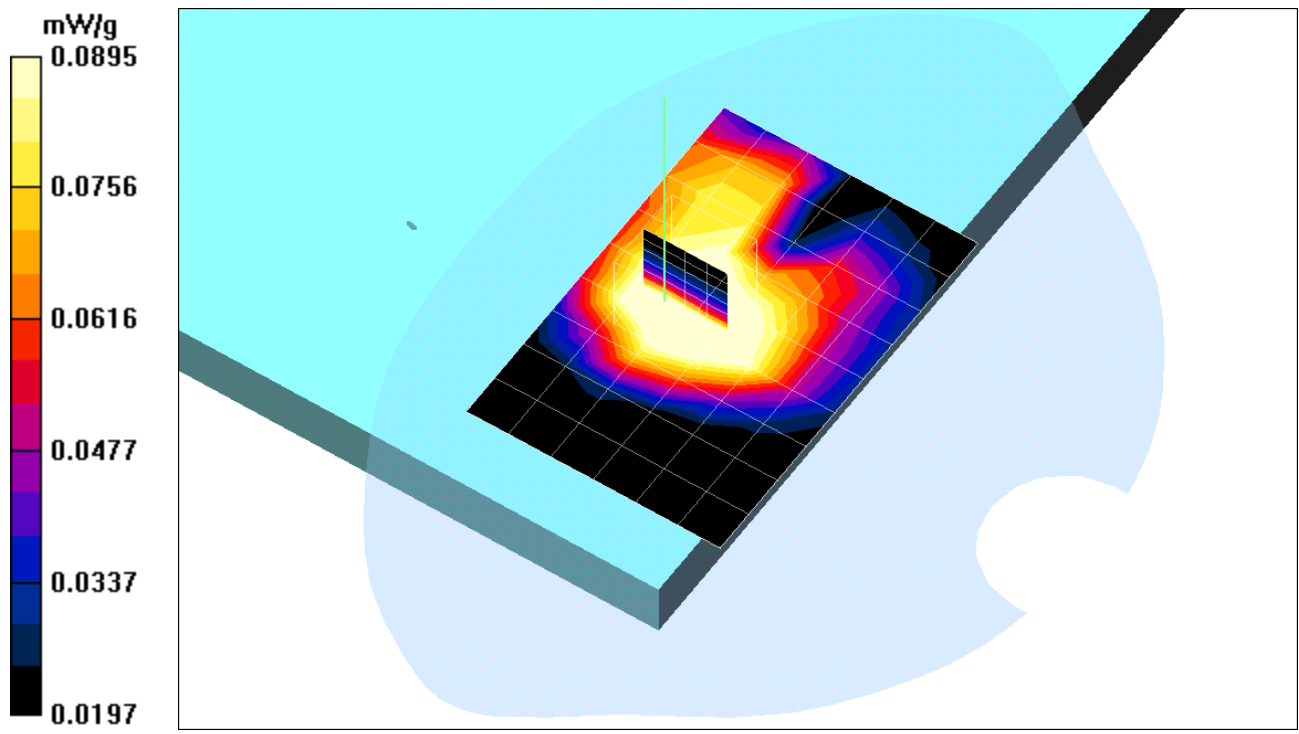
- Probe: ET3DV6 - SN1762; ConvF(4.6, 4.6, 4.6); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**CH 6 rate=5.5/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm  
Reference Value = 5.87 V/m  
Power Drift = 0.008 dB  
Maximum value of SAR = 0.108 mW/g

**CH 6 rate=5.5/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Peak SAR (extrapolated) = 0.185 W/kg  
SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.068 mW/g  
Reference Value = 5.87 V/m  
Power Drift = 0.008 dB  
Maximum value of SAR = 0.11 mW/g

**CH 6 rate=5.5/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Reference Value = 5.87 V/m  
Power Drift = -0.02 dB  
Maximum value of SAR = 0.0895 mW/g





Test Laboratory: Compliance Certification Services Inc.  
File Name: [15mmA1.da4](#)

## 15mmA1 CH11 rate=5.5

**DUT: NOTEBOOK; Type: CL32(b); Serial: n/a**  
**Program: 15mm**

Communication System: DSSS; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: HSL2450 ( $\sigma = 1.984$  mho/m,  $\epsilon_r = 51.166$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Air Temperature 25.8 deg C ; Liquid Temperature 25.4 deg C  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(4.6, 4.6, 4.6); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**CH 11 rate=5.5/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm  
Reference Value = 5.93 V/m  
Power Drift = 0.04 dB  
Maximum value of SAR = 0.107 mW/g

**CH 11 rate=5.5/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Peak SAR (extrapolated) = 0.188 W/kg  
SAR(1 g) = 0.108 mW/g; SAR(10 g) = 0.0681 mW/g  
Reference Value = 5.93 V/m  
Power Drift = 0.04 dB  
Maximum value of SAR = 0.111 mW/g

**CH 11 rate=5.5/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Reference Value = 5.93 V/m  
Power Drift = 0.09 dB  
Maximum value of SAR = 0.0903 mW/g

