

Test Laboratory: Compliance Certification Services Inc.

## **D2450V2-SN 728-Body**

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:728**

Communication System: CW2450; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.92$  mho/m;  $\epsilon_r = 51.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Air Temperature: 24.0 deg C; Liquid Temperature: 23.0 deg C

Area scan setting: Find secondary maxima within 2 dB, and with a peak SAR value greater than 0.0012 mW/g

Zoom scan setting: Maximum number of cubes to measure is 2

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.14, 6.14, 6.14); Calibrated: 11/19/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Pin=250mW,d=10mm/Area Scan (6x6x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 9.43 mW/g

**Pin=250mW,d=10mm/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 21.3 mW/g

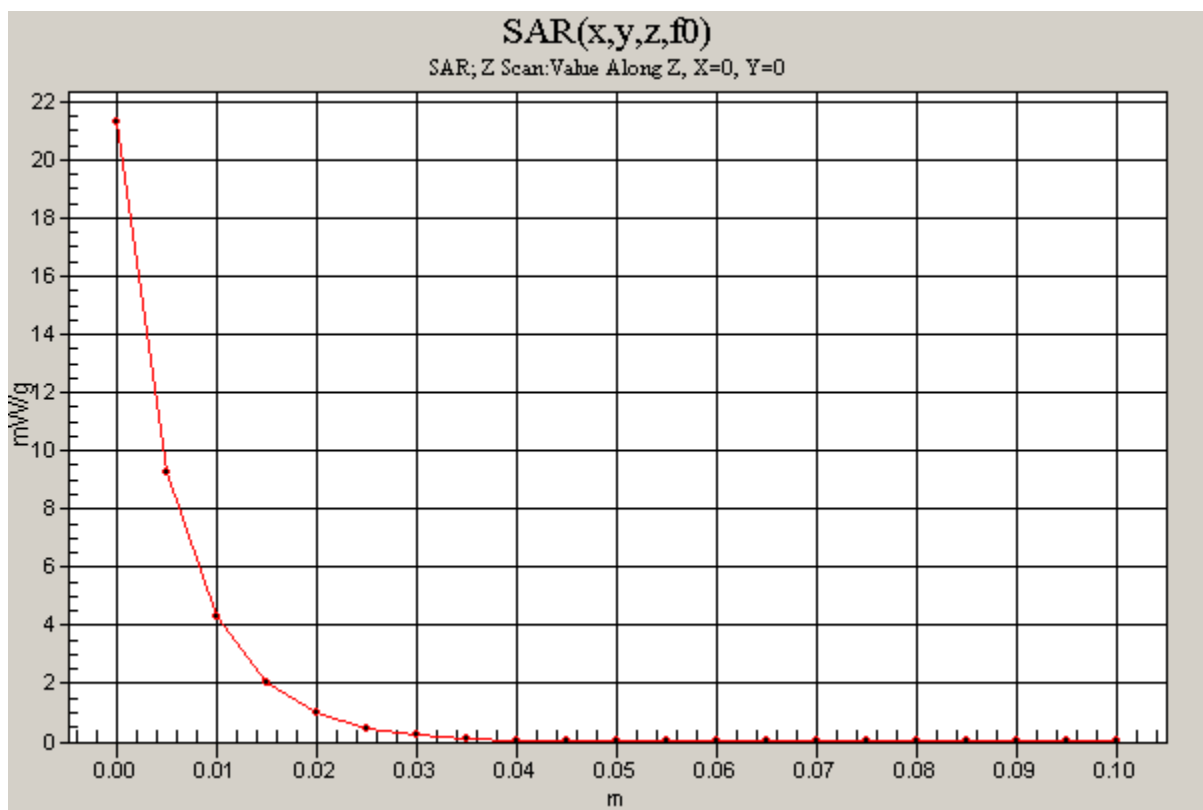
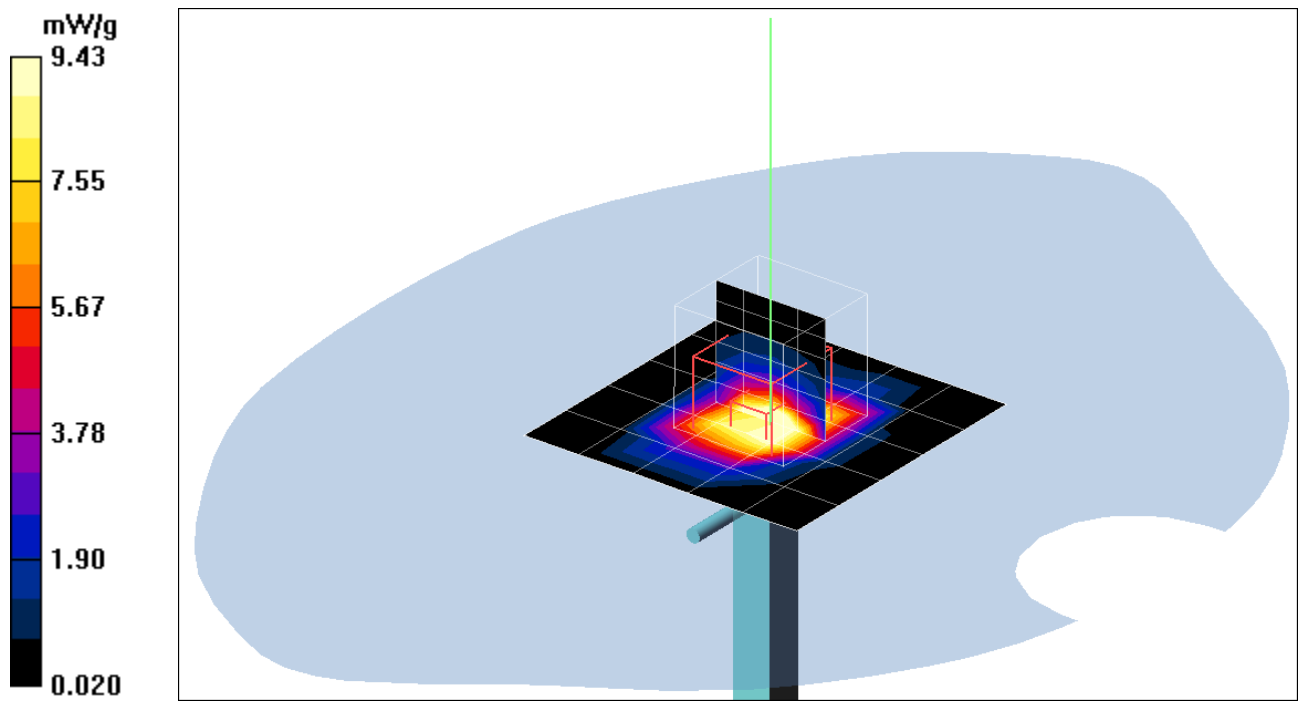
**Pin=250mW,d=10mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 87.1 V/m; Power Drift = 0.079 dB

Peak SAR (extrapolated) = 30.0 W/kg

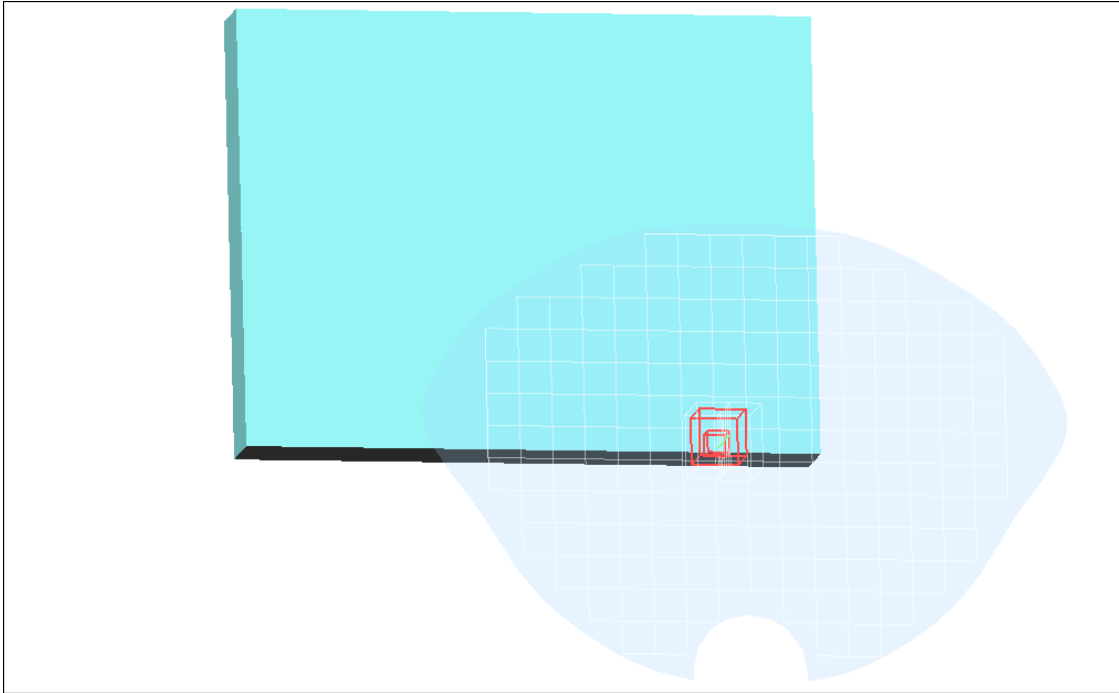
**SAR(1 g) = 13.3 mW/g; SAR(10 g) = 5.78 mW/g**

Maximum value of SAR (measured) = 14.9 mW/g



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# Teat Configuration-1



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## 802.11b Touch mode-Main Ant

**DUT: 1000 Series; Type: Notebook built-in 802.11g module; Serial: N/A**

Communication System: IEEE 802.11b WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.92$  mho/m;  $\epsilon_r = 51.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Air Temperature: 24.0 deg C; Liquid Temperature: 23.0 deg C

Area scan setting: Find secondary maxima within 2 dB, and with a peak SAR value greater than 0.0012 mW/g

Zoom scan setting: Maximum number of cubes to measure is 2

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.14, 6.14, 6.14); Calibrated: 11/19/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Middle CH Rate=1M bit/Area Scan (14x19x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.01 mW/g

**Middle CH Rate=1M bit/Z Scan (1x1x101):** Measurement grid: dx=20mm, dy=20mm, dz=1mm

Maximum value of SAR (measured) = 0.015 mW/g

**Middle CH Rate=1M bit/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 0.624 V/m; Power Drift = -0.2 dB

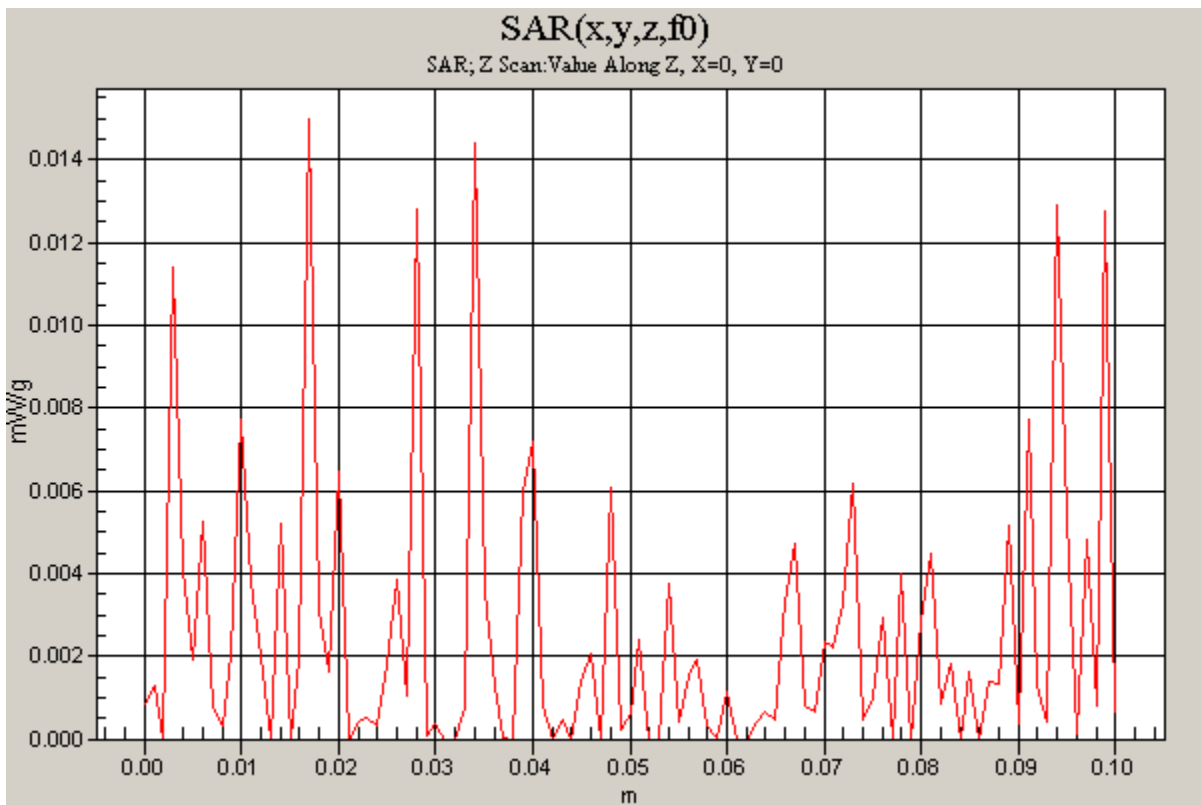
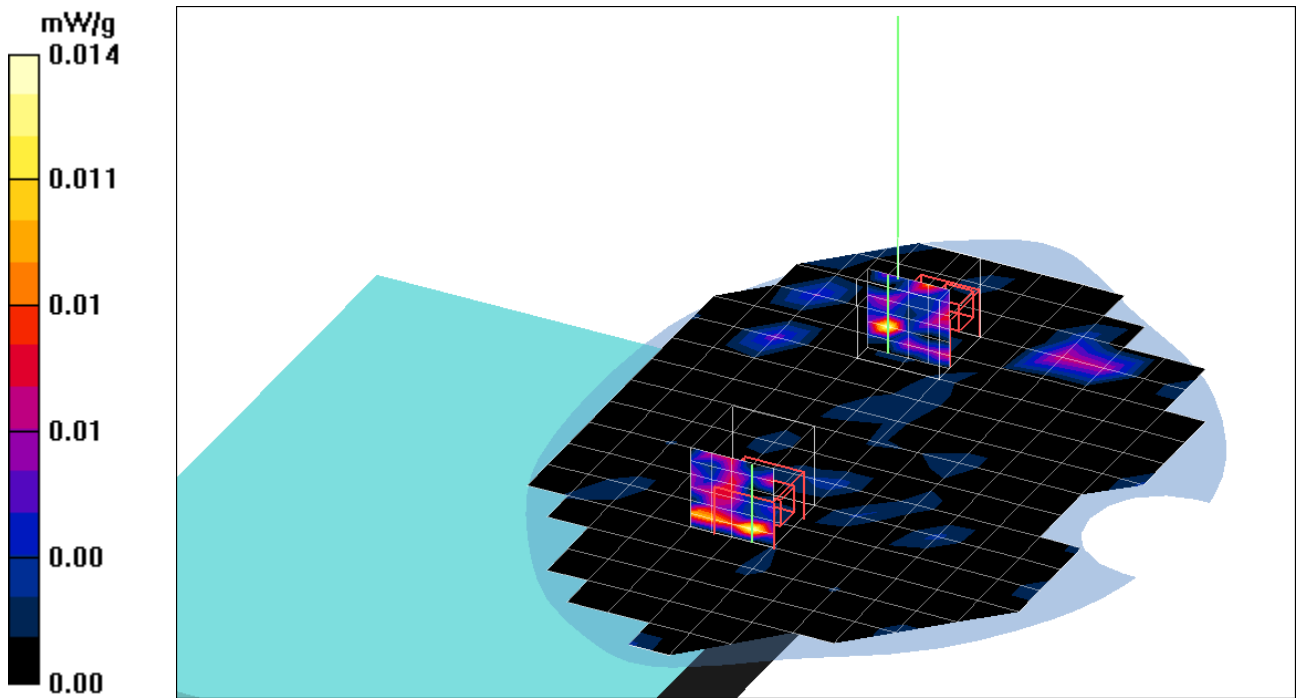
Peak SAR (extrapolated) = 0.011 W/kg

**SAR(1 g) = 0.00191 mW/g; SAR(10 g) = 0.000384 mW/g**

Maximum value of SAR (measured) = 0.014 mW/g

**Middle CH Rate=1M bit/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 0.624 V/m; Power Drift = -0.2 dB  
Peak SAR (extrapolated) = 0.01 W/kg  
**SAR(1 g) = 0.00034 mW/g; SAR(10 g) = 4.84e-005 mW/g**  
Maximum value of SAR (measured) = 0.005 mW/g



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## 802.11g Touch mode-Main Ant

**DUT: 1000 Series; Type: Notebook built-in 802.11g module; Serial: N/A**

Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.92$  mho/m;  $\epsilon_r = 51.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Air Temperature: 24.0 deg C; Liquid Temperature: 23.0 deg C Air Temperature: 24.0 deg C

Area scan setting: Find secondary maxima within 2 dB, and with a peak SAR value greater than 0.0012 mW/g

Zoom scan setting: Maximum number of cubes to measure is 2

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.14, 6.14, 6.14); Calibrated: 11/19/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Middle CH Rate=6M bit/Area Scan (14x19x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.033 mW/g

**Middle CH Rate=6M bit/Z Scan (1x1x101):** Measurement grid: dx=20mm, dy=20mm, dz=1mm

Maximum value of SAR (measured) = 0.01 mW/g

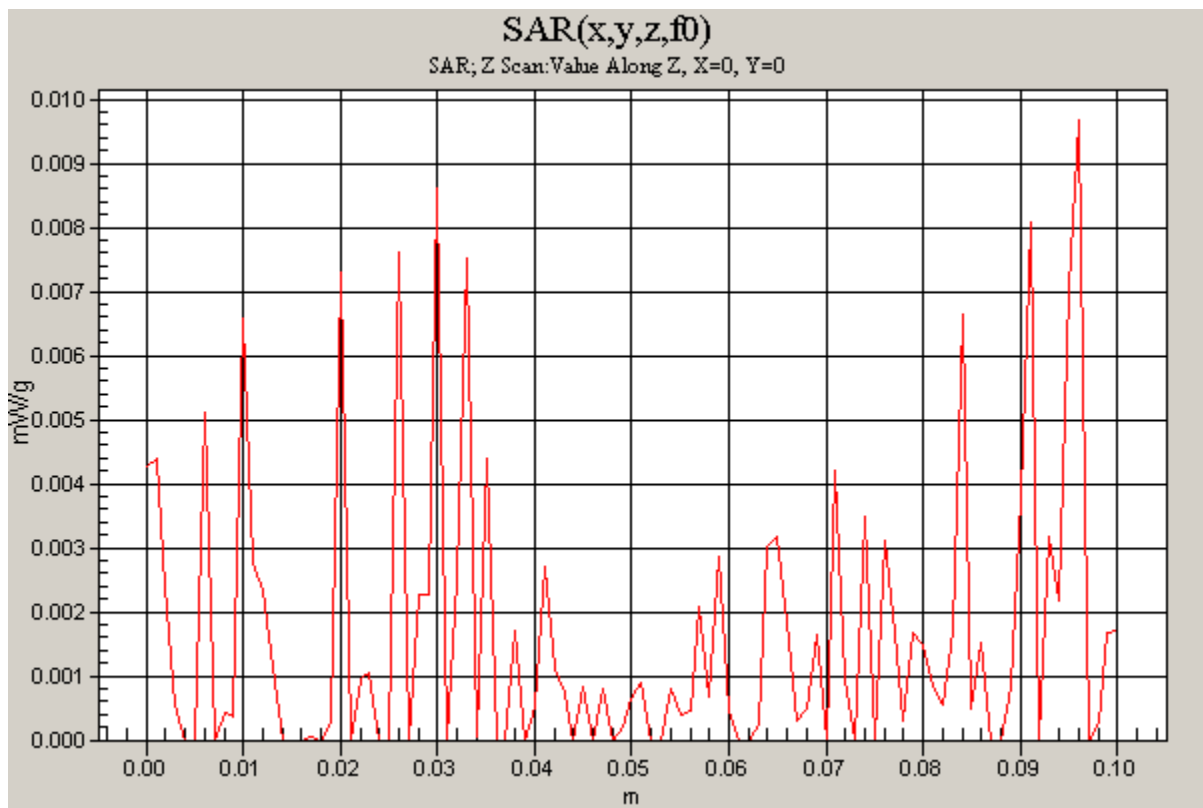
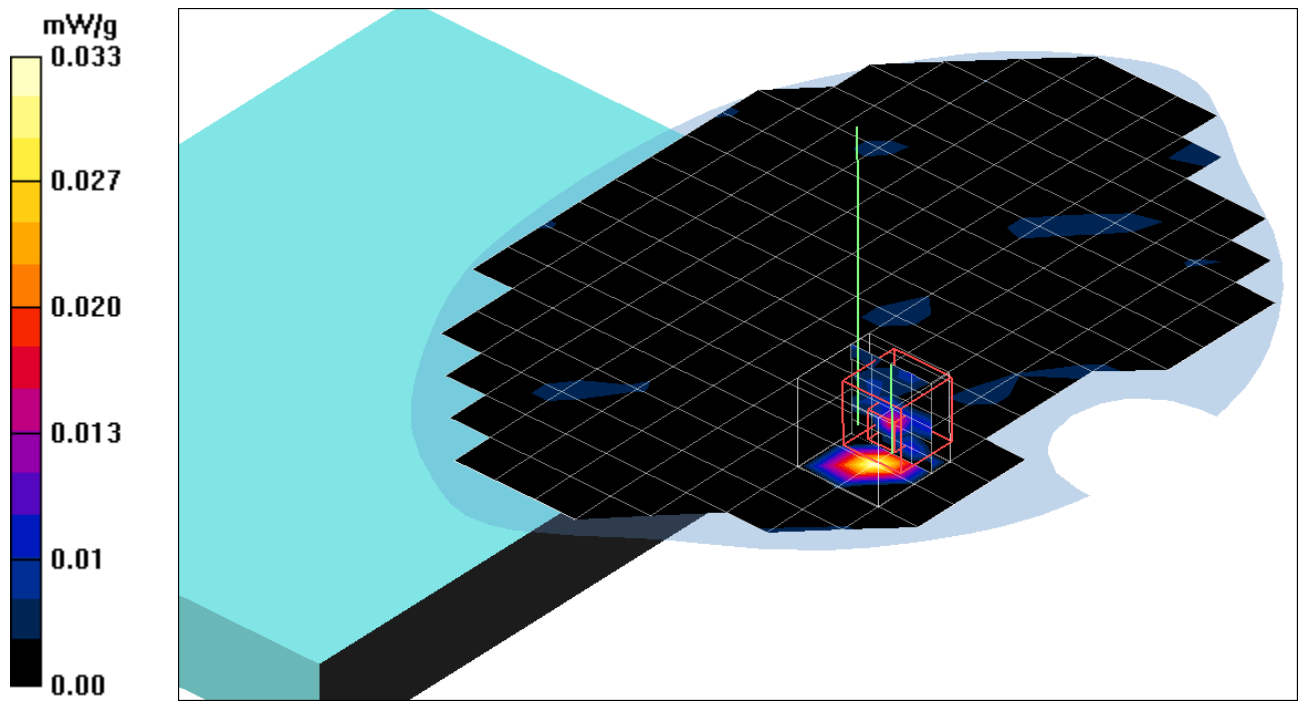
**Middle CH Rate=6M bit/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 0.22 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.019 W/kg

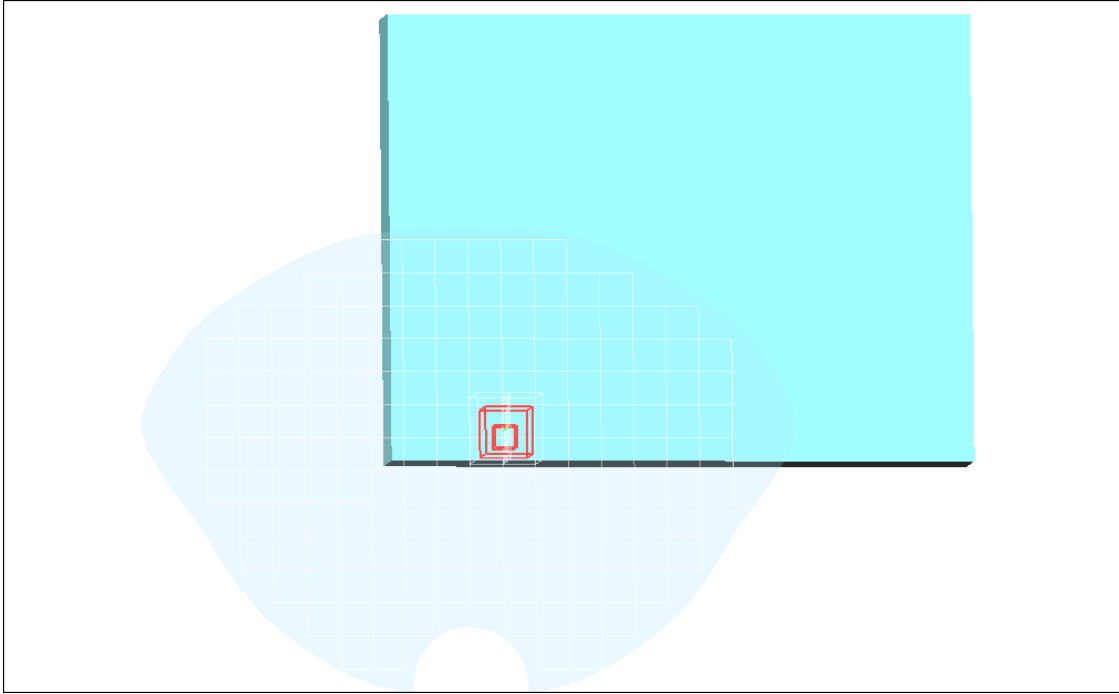
**SAR(1 g) = 0.000574 mW/g; SAR(10 g) = 0.000112 mW/g**

Maximum value of SAR (measured) = 0.019 mW/g



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# Test Configuration-2





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### 802.11b Touch mode-Aux Ant

**DUT: 1000 Series; Type: Notebook built-in 802.11g module; Serial: N/A**

Communication System: IEEE 802.11b WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.92$  mho/m;  $\epsilon_r = 51.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Air Temperature: 24.0 deg C; Liquid Temperature: 23.0 deg C

Area scan setting: Find secondary maxima within 2 dB, and with a peak SAR value greater than 0.0012 mW/g

Zoom scan setting: Maximum number of cubes to measure is 2

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.14, 6.14, 6.14); Calibrated: 11/19/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Middle CH Rate=1M bit/Area Scan (14x19x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.01 mW/g

**Middle CH Rate=1M bit 2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm,

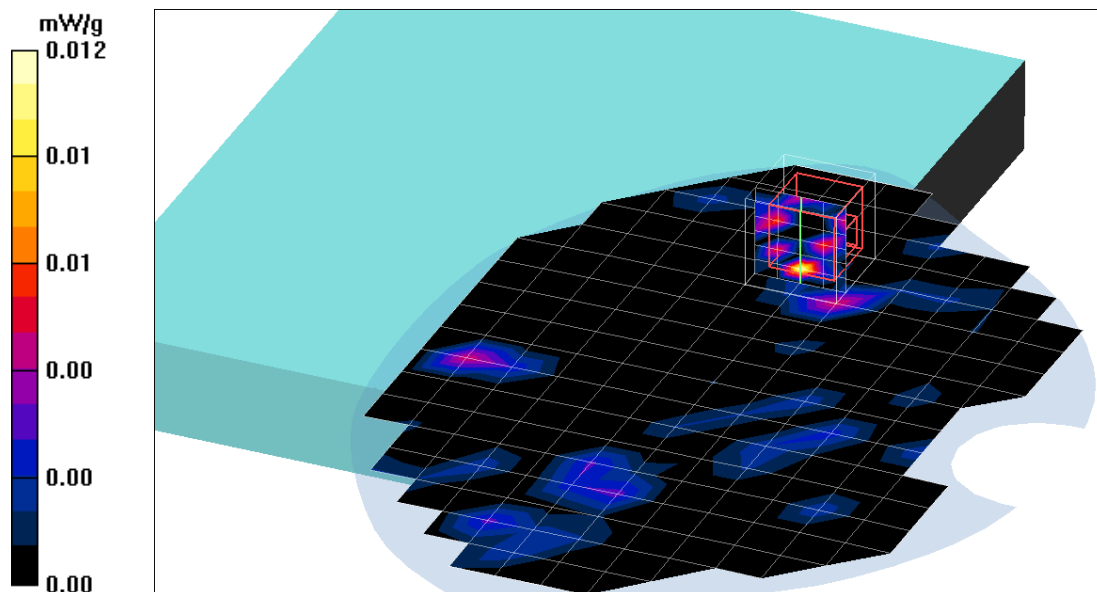
dy=7.5mm, dz=5mm

Reference Value = 0.11 V/m; Power Drift = 0.2 dB

Peak SAR (extrapolated) = 0.010 W/kg

**SAR(1 g) = 0.000251 mW/g; SAR(10 g) = 2.85e-005 mW/g**

Maximum value of SAR (measured) = 0.012 mW/g



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## 802.11g Touch mode-Aux Ant

**DUT: 1000 Series; Type: Notebook built-in 802.11g module; Serial: N/A**

Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.92$  mho/m;  $\epsilon_r = 51.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Air Temperature: 24.0 deg C; Liquid Temperature: 23.0 deg C

Area scan setting: Find secondary maxima within 2 dB, and with a peak SAR value greater than 0.0012 mW/g

Zoom scan setting: Maximum number of cubes to measure is 2

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.14, 6.14, 6.14); Calibrated: 11/19/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Middle CH Rate=6M bit/Area Scan (14x19x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.01 mW/g

**Middle CH Rate=6M bit/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 0.0851 V/m; Power Drift = 0.2 dB

Peak SAR (extrapolated) = 0.01 W/kg

**SAR(1 g) = 0.000296 mW/g; SAR(10 g) = 1.97e-005 mW/g**

Maximum value of SAR (measured) = 0.013 mW/g

