

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 (interpolated):  $f = 2450$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.7 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.47, 6.47, 6.47);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 9/22/2005
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

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

Maximum value of SAR (measured) = 14.4 mW/g

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

Reference Value = 97.1 V/m; Power Drift = -0.076 dB

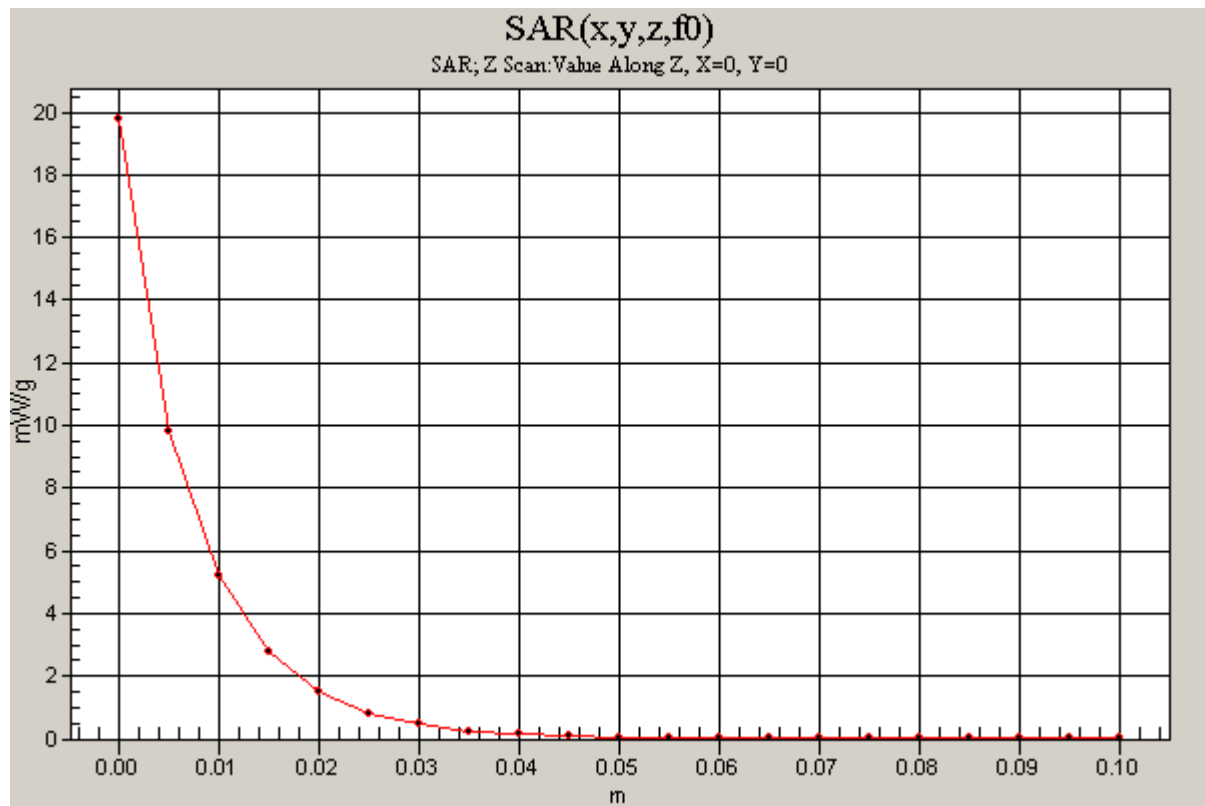
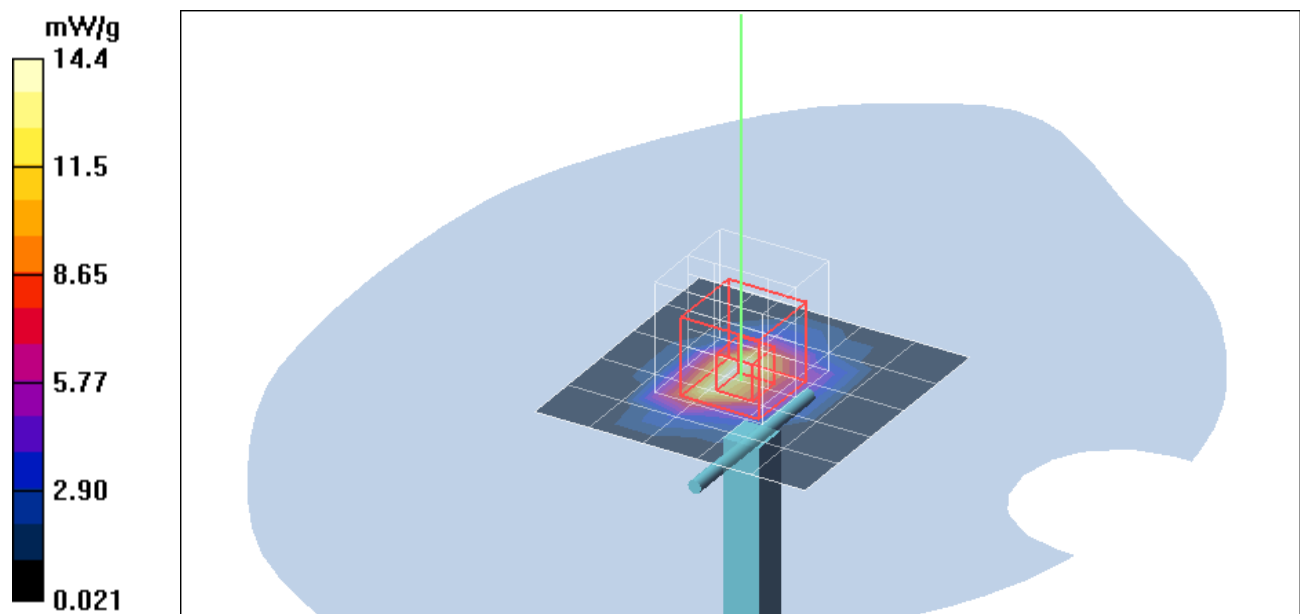
Peak SAR (extrapolated) = 28.0 W/kg

**SAR(1 g) = 13.8 mW/g; SAR(10 g) = 6.4 mW/g**

Maximum value of SAR (measured) = 19.4 mW/g

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

Maximum value of SAR (measured) = 19.8 mW/g



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## 802.11b Front Touch mode

**DUT: 9500; Type: Terminal; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.7 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.47, 6.47, 6.47);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 9/22/2005
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

**Middle CH Rate=11M bit/Area Scan (11x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.009 mW/g

**Middle CH Rate=11M bit/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 1.47 V/m; Power Drift = -0.130 dB

Peak SAR (extrapolated) = 0.012 W/kg

**SAR(1 g) = 0.00505 mW/g; SAR(10 g) = 0.00159 mW/g**

Maximum value of SAR (measured) = 0.007 mW/g

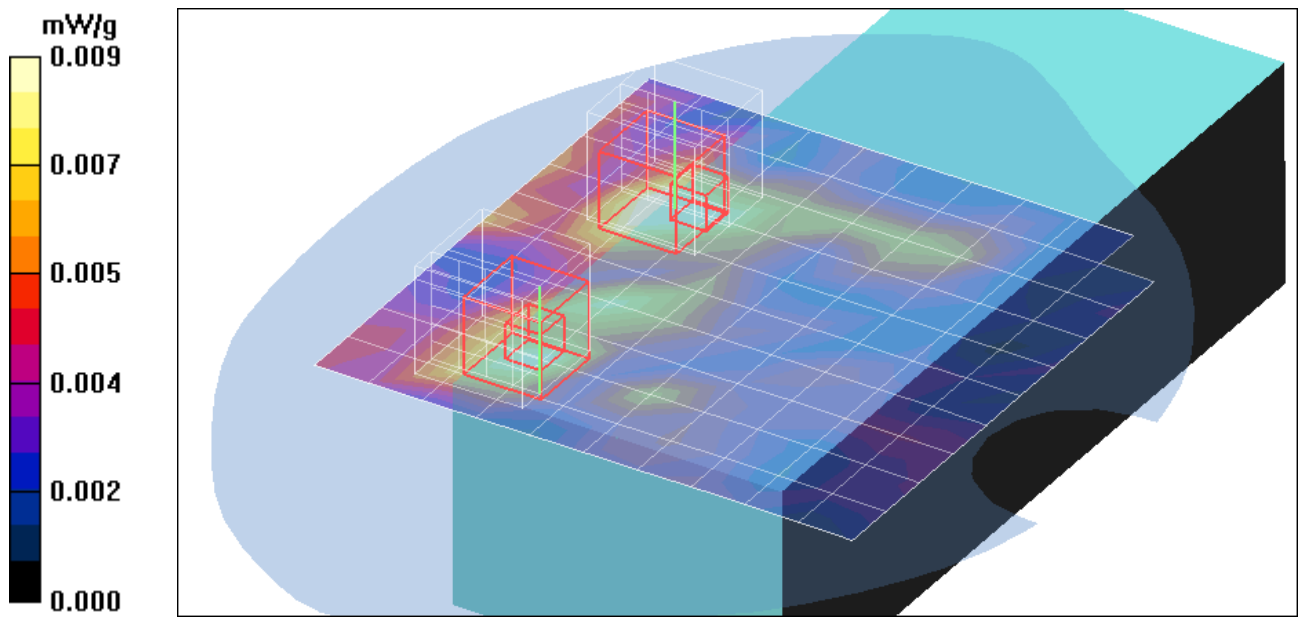
**Middle CH Rate=11M bit/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 1.47 V/m; Power Drift = -0.130 dB

Peak SAR (extrapolated) = 0.017 W/kg

**SAR(1 g) = 0.00534 mW/g; SAR(10 g) = 0.00224 mW/g**

Maximum value of SAR (measured) = 0.008 mW/g



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## 802.11b Front Touch mode

**DUT: 9500; Type: Terminal; Serial: N/A**

Communication System: IEEE 802.11b WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.7 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.47, 6.47, 6.47);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 9/22/2005
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

**High CH Rate=11M bit/Area Scan (11x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.011 mW/g

**High CH Rate=11M bit/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 1.81 V/m; Power Drift = -0.163 dB

Peak SAR (extrapolated) = 0.023 W/kg

**SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00741 mW/g**

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

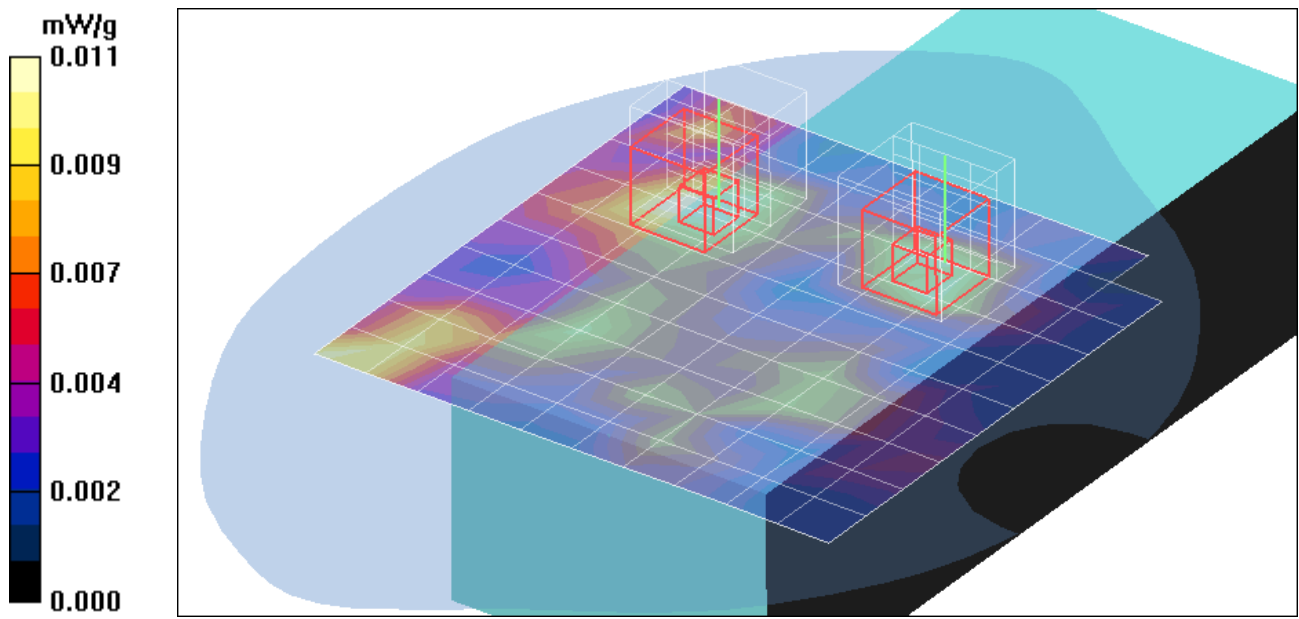
**High CH Rate=11M bit/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 1.81 V/m; Power Drift = -0.163 dB

Peak SAR (extrapolated) = 0.029 W/kg

**SAR(1 g) = 0.00732 mW/g; SAR(10 g) = 0.00295 mW/g**

Maximum value of SAR (measured) = 0.010 mW/g



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## 802.11b Back Touch mode

**DUT: 9500; Type: Terminal; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.7 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.47, 6.47, 6.47);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 9/22/2005
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

**Middle CH Rate=11M bit/Area Scan (11x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.087 mW/g

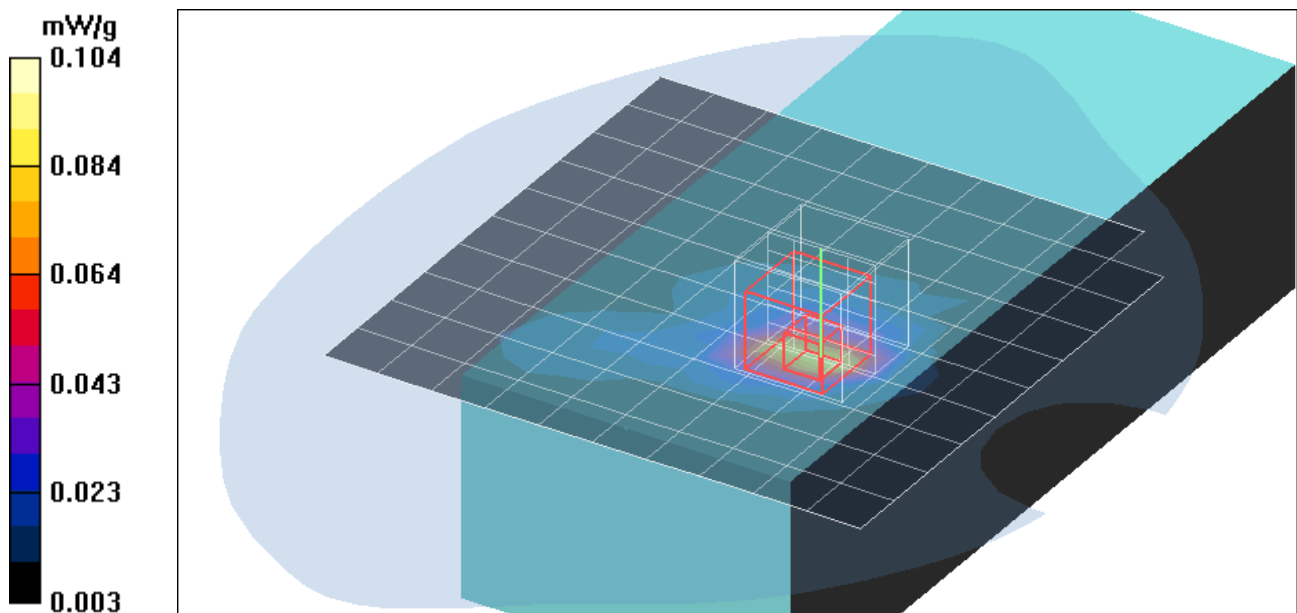
**Middle CH Rate=11M bit/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.10 V/m; Power Drift = -0.175 dB

Peak SAR (extrapolated) = 0.156 W/kg

**SAR(1 g) = 0.074 mW/g; SAR(10 g) = 0.035 mW/g**

Maximum value of SAR (measured) = 0.104 mW/g



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## 802.11b Back Touch mode

**DUT: 9500; Type: Terminal; Serial: N/A**

Communication System: IEEE 802.11b WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.7 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.47, 6.47, 6.47);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 9/22/2005
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

**High CH Rate=11M bit/Area Scan (11x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.151 mW/g

**High CH Rate=11M bit/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.03 V/m; Power Drift = -0.163 dB

Peak SAR (extrapolated) = 0.257 W/kg

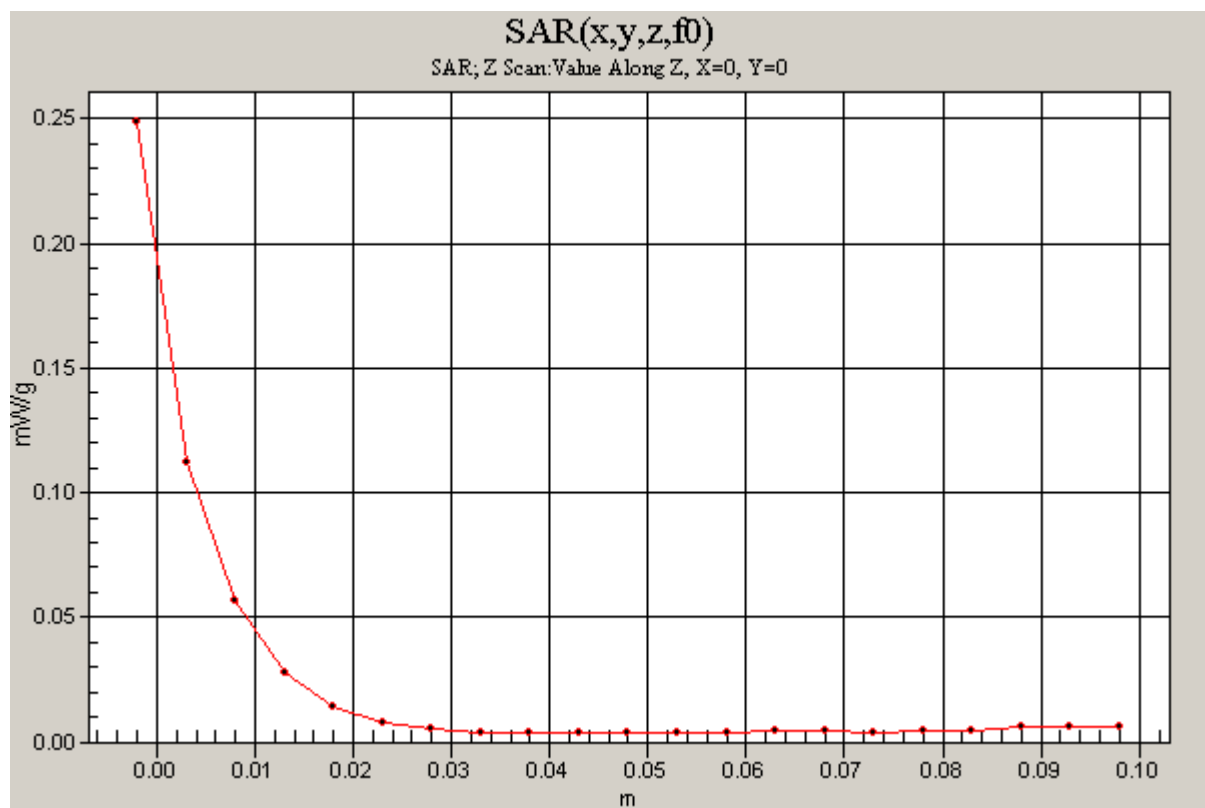
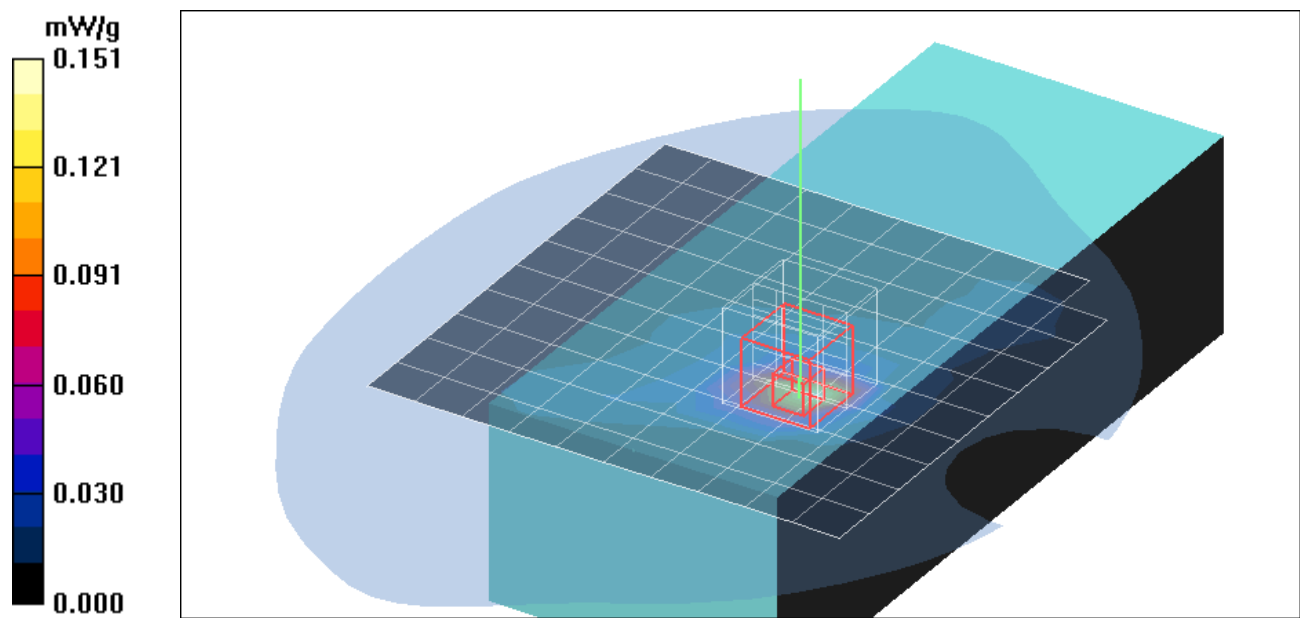
**SAR(1 g) = 0.120 mW/g; SAR(10 g) = 0.054 mW/g**

Maximum value of SAR (measured) = 0.172 mW/g

**High CH Rate=11M bit/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 0.249 mW/g





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## 802.11b Right Touch mode

**DUT: 9500; Type: Terminal; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.7 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.47, 6.47, 6.47);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 9/22/2005
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

**Middle CH Rate=11M bit/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.060 mW/g

**Middle CH Rate=11M bit/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 3.94 V/m; Power Drift = -0.165 dB

Peak SAR (extrapolated) = 0.096 W/kg

**SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.029 mW/g**

Maximum value of SAR (measured) = 0.067 mW/g

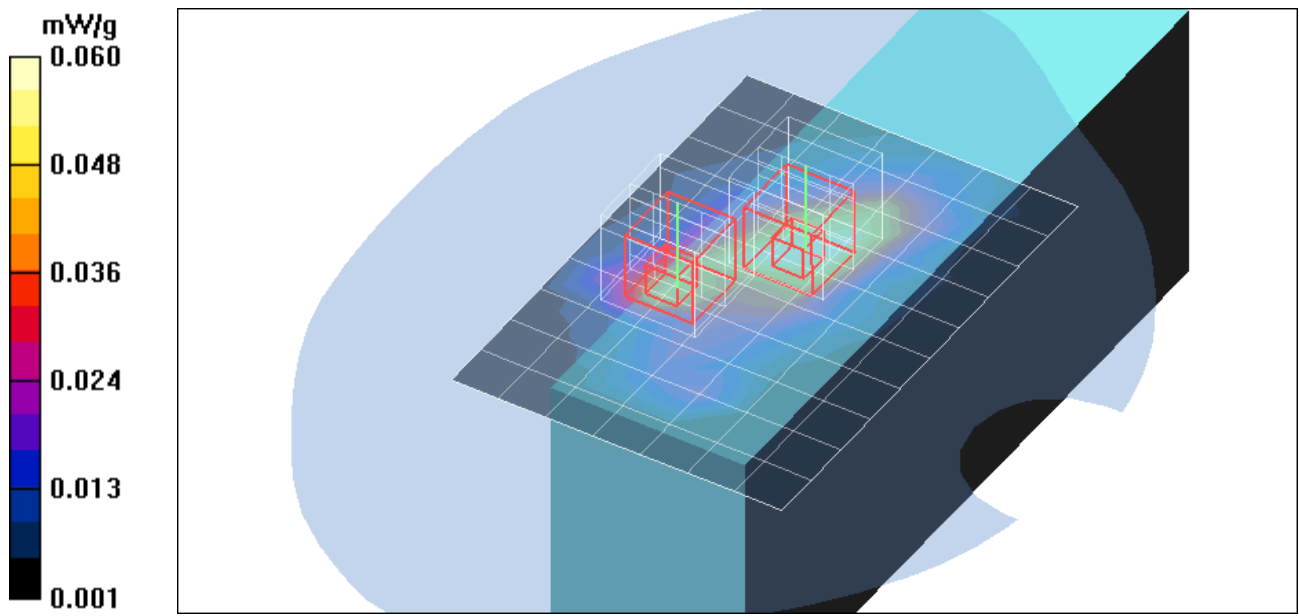
**Middle CH Rate=11M bit/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 3.94 V/m; Power Drift = -0.165 dB

Peak SAR (extrapolated) = 0.090 W/kg

**SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.023 mW/g**

Maximum value of SAR (measured) = 0.059 mW/g



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## 802.11b Right Touch mode

**DUT: 9500; Type: Terminal; Serial: N/A**

Communication System: IEEE 802.11b WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.7 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.47, 6.47, 6.47);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 9/22/2005
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

**High CH Rate=11M bit/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.079 mW/g

**High CH Rate=11M bit/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.11 V/m; Power Drift = -0.056 dB

Peak SAR (extrapolated) = 0.140 W/kg

**SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.033 mW/g**

Maximum value of SAR (measured) = 0.094 mW/g

**High CH Rate=11M bit/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.11 V/m; Power Drift = -0.056 dB

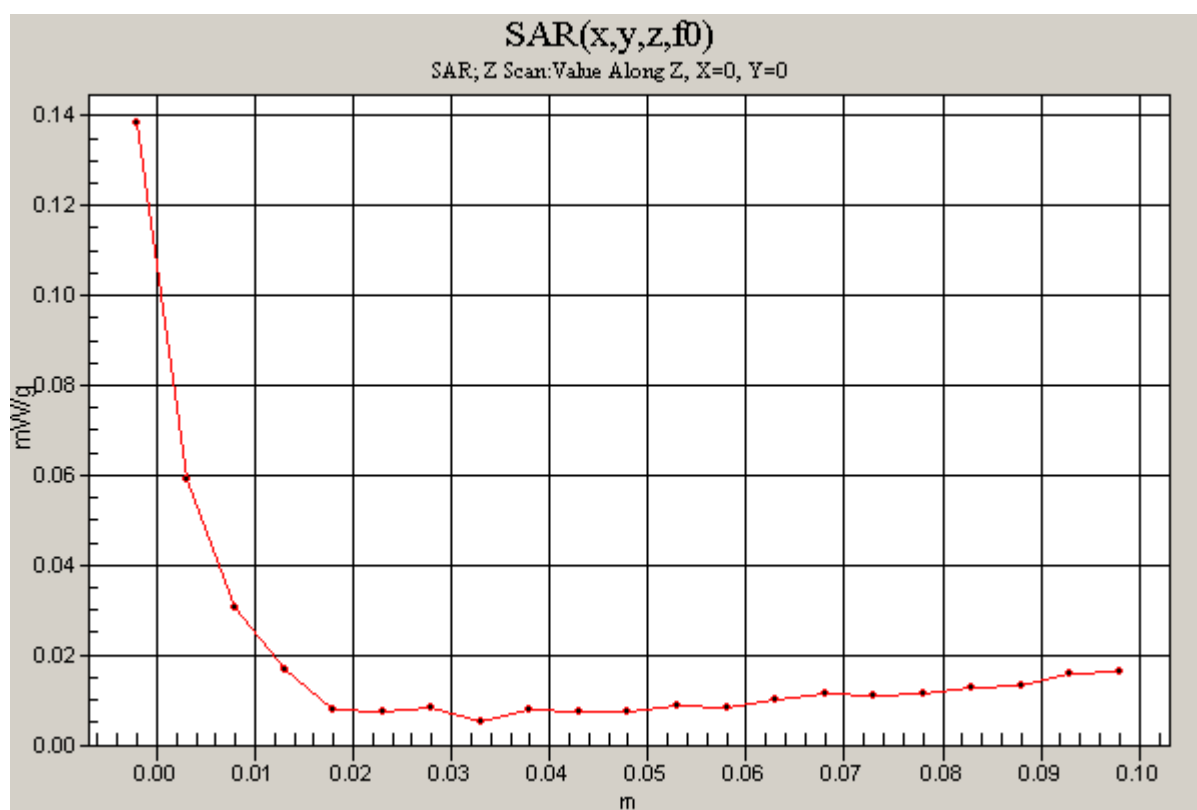
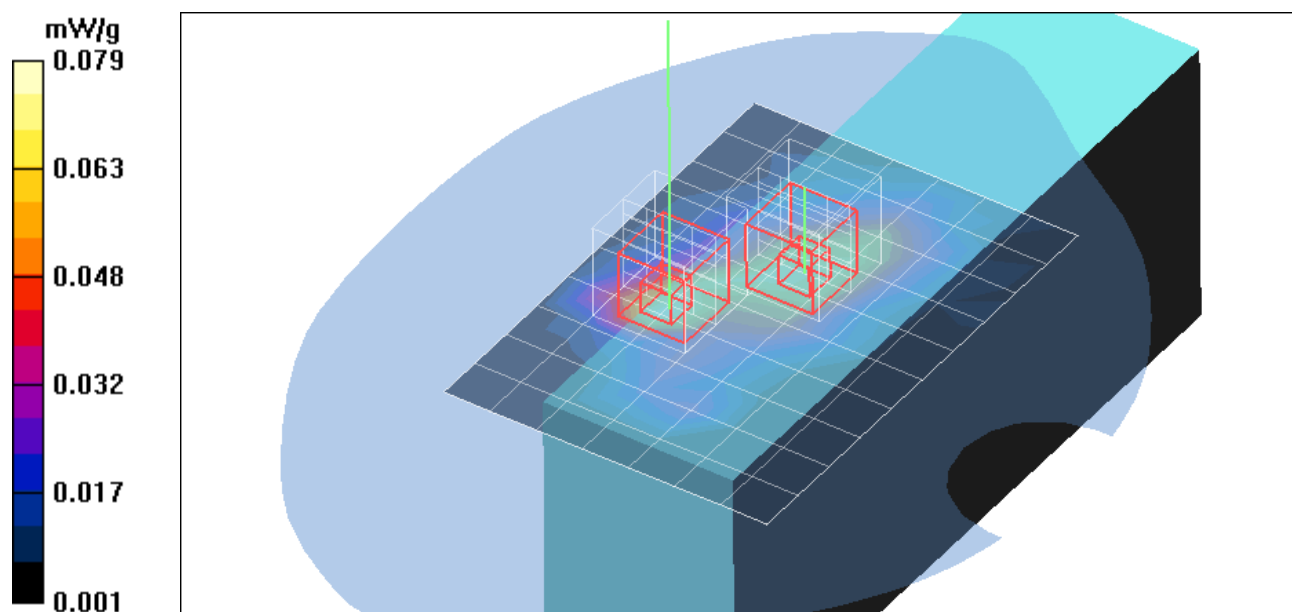
Peak SAR (extrapolated) = 0.122 W/kg

**SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.036 mW/g**

Maximum value of SAR (measured) = 0.087 mW/g

**High CH Rate=11M bit/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 0.138 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 802.11b Left Touch mode

**DUT: 9500; Type: Terminal; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.7 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.47, 6.47, 6.47);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 9/22/2005
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

**Middle CH Rate=11M bit/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

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

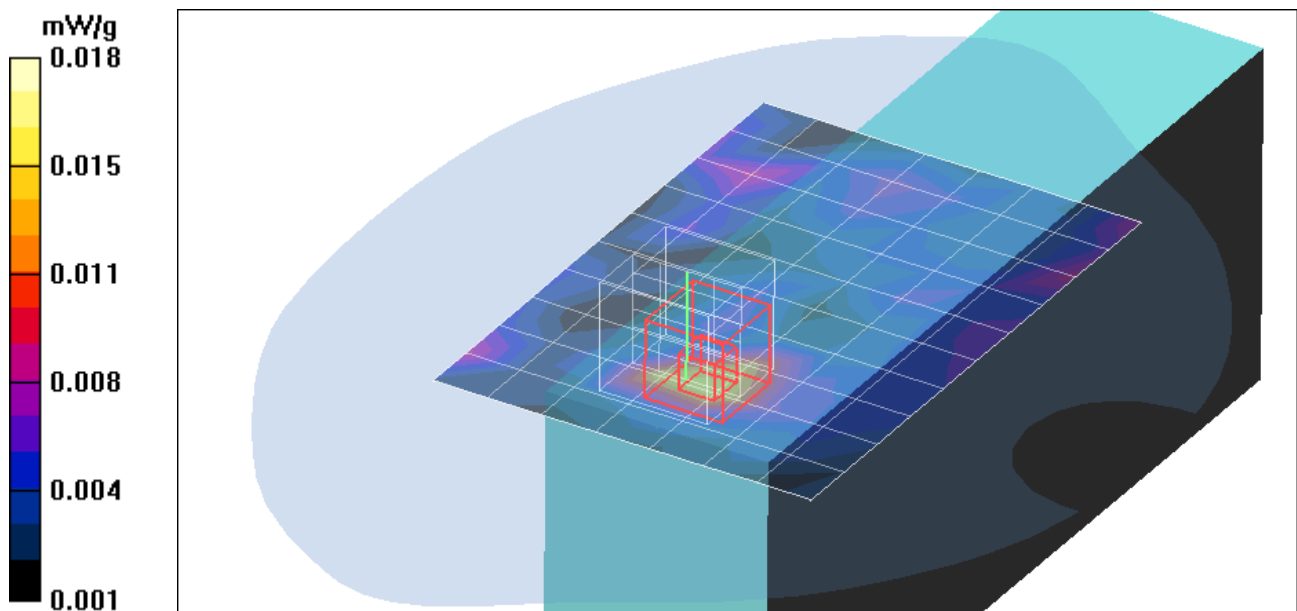
**Middle CH Rate=11M bit/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 1.84 V/m; Power Drift = -0.076 dB

Peak SAR (extrapolated) = 0.023 W/kg

**SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00799 mW/g**

Maximum value of SAR (measured) = 0.018 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 802.11b Left Touch mode

**DUT: 9500; Type: Terminal; Serial: N/A**

Communication System: IEEE 802.11b WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.7 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.47, 6.47, 6.47);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 9/22/2005
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

**High CH Rate=11M bit/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.032 mW/g

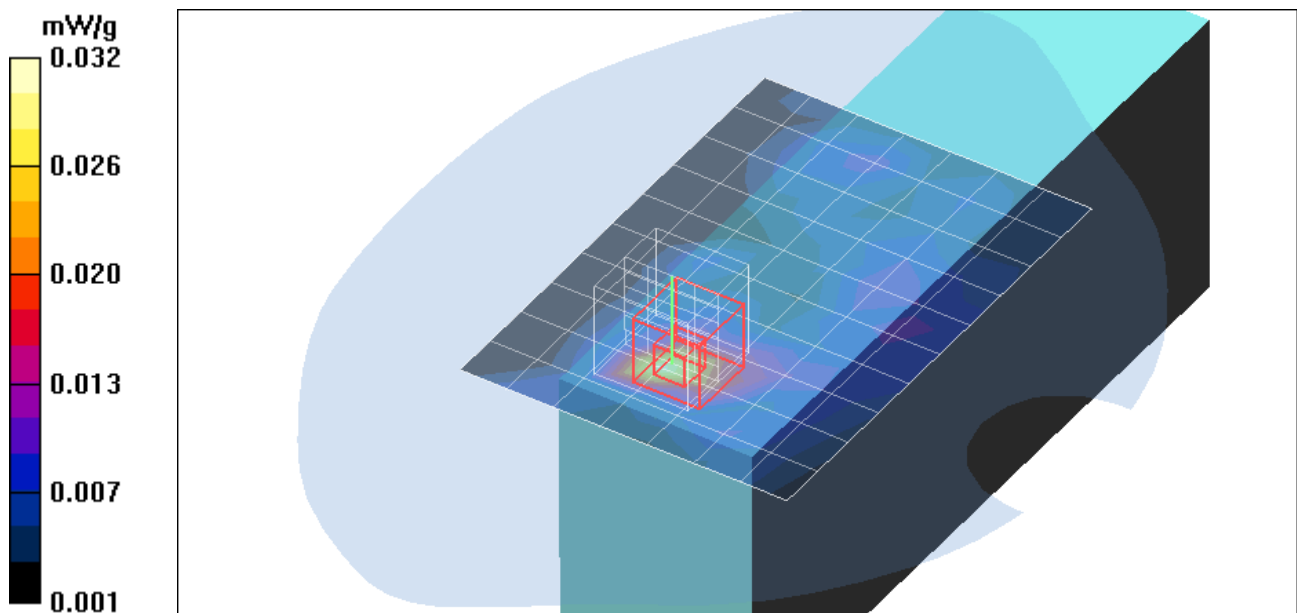
**High CH Rate=11M bit/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 1.88 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 0.056 W/kg

**SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.014 mW/g**

Maximum value of SAR (measured) = 0.036 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 802.11b Back Touch mode

**DUT: 9500; Type: Terminal; Serial: N/A**

Communication System: IEEE 802.11b WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.7 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.47, 6.47, 6.47);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 9/22/2005
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

### **co-Location bluetooth+High CH Rate=11M bit 2/Area Scan (11x11x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.178 mW/g

### **co-Location bluetooth+High CH Rate=11M bit 2/Zoom Scan (5x5x7)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 3.84 V/m; Power Drift = -0.091 dB

Peak SAR (extrapolated) = 0.402 W/kg

**SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.025 mW/g**

Maximum value of SAR (measured) = 0.137 mW/g

### **co-Location bluetooth+High CH Rate=11M bit 2/Z Scan (1x1x21):**

Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 0.098 mW/g



