

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; $\sigma = 1.94$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Maximum value of SAR (measured) = 14.0 mW/g

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

Reference Value = 97.6 V/m; Power Drift = -0.043 dB

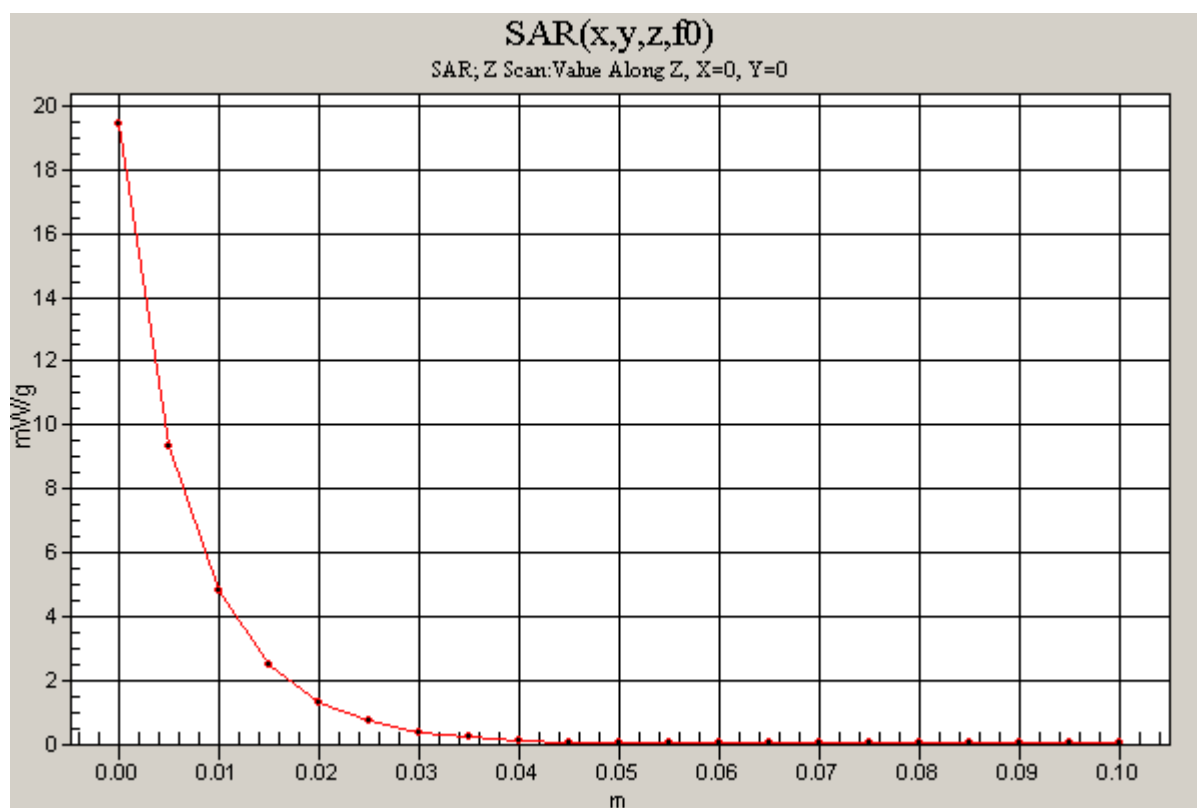
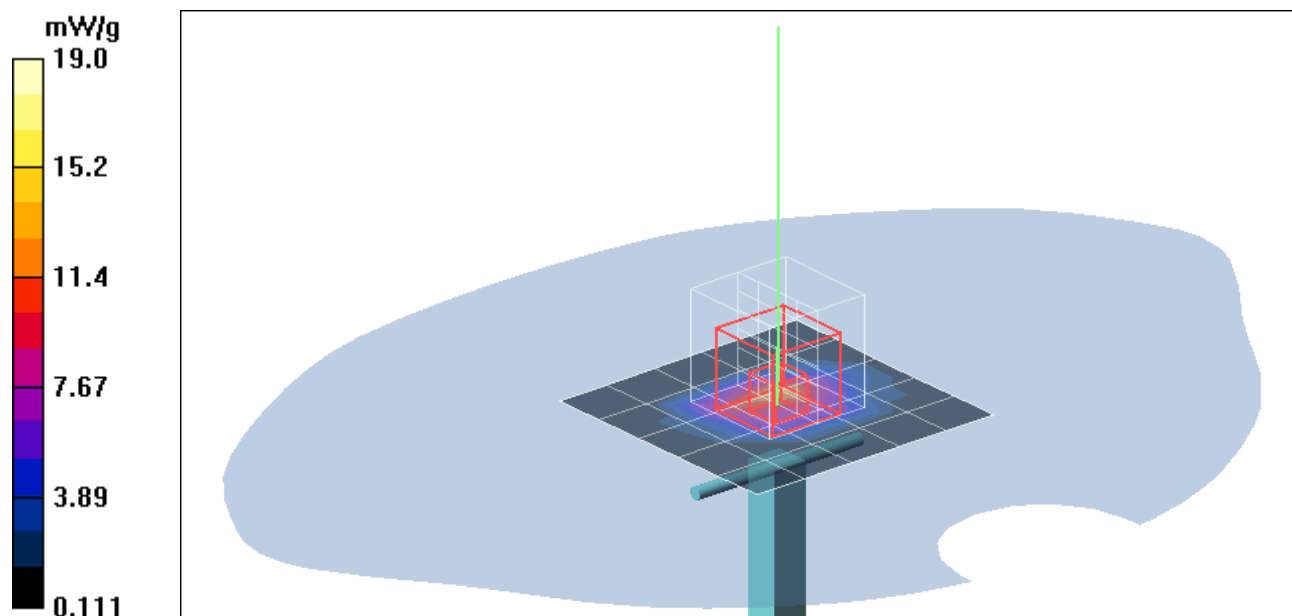
Peak SAR (extrapolated) = 28.0 W/kg

SAR(1 g) = 13.5 mW/g; SAR(10 g) = 6.12 mW/g

Maximum value of SAR (measured) = 19.0 mW/g

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

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



Test Laboratory: Compliance Certification Services Inc.

D5GHz V2 SN 1004

DUT: Dipole 5GHz ; Type: D5GHz V2; Serial: 1004

Communication System: CW5GHz; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200 \text{ MHz}$; $\sigma = 5.35 \text{ mho/m}$; $\epsilon_r = 48.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(4.53, 4.53, 4.53);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Pin=250mW,d=10mm f=5200MHz/Area Scan (8x8x1): Measurement

grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 11.6 mW/g

Pin=250mW,d=10mm f=5200MHz/Zoom Scan (8x8x8)/Cube 0:

Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 55.9 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 40.4 W/kg

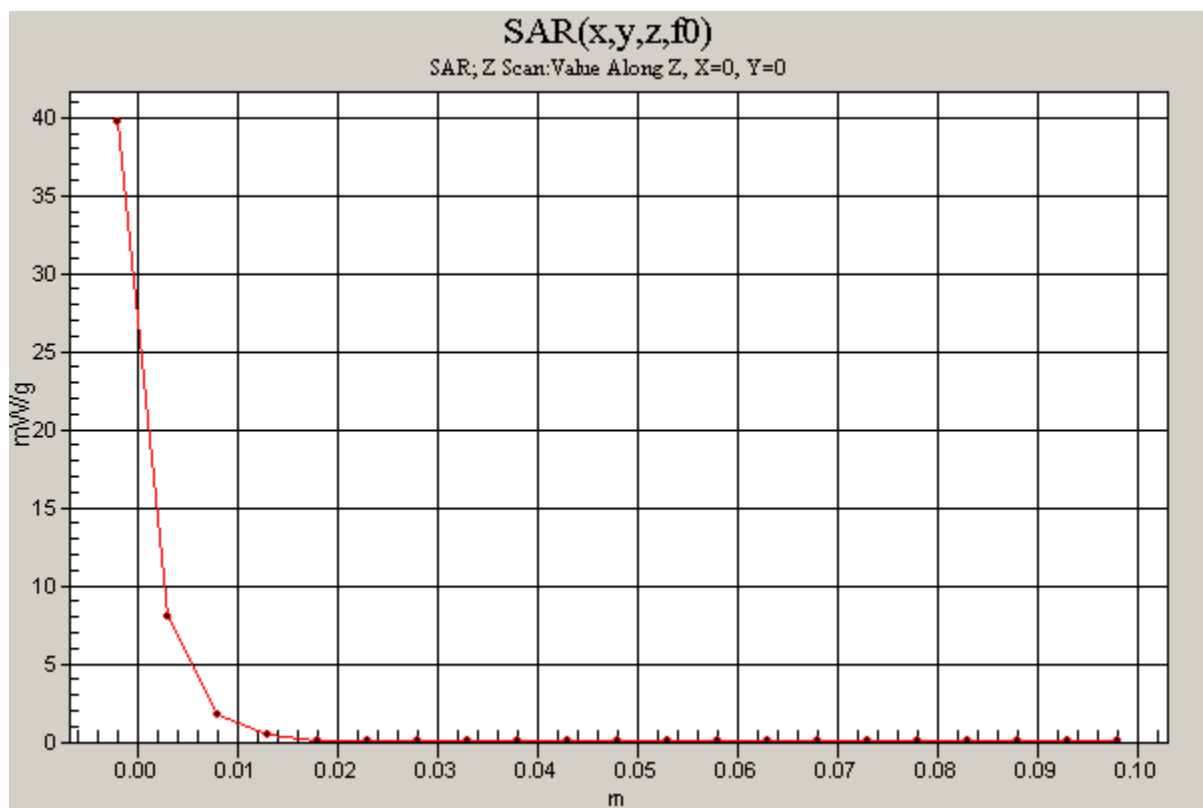
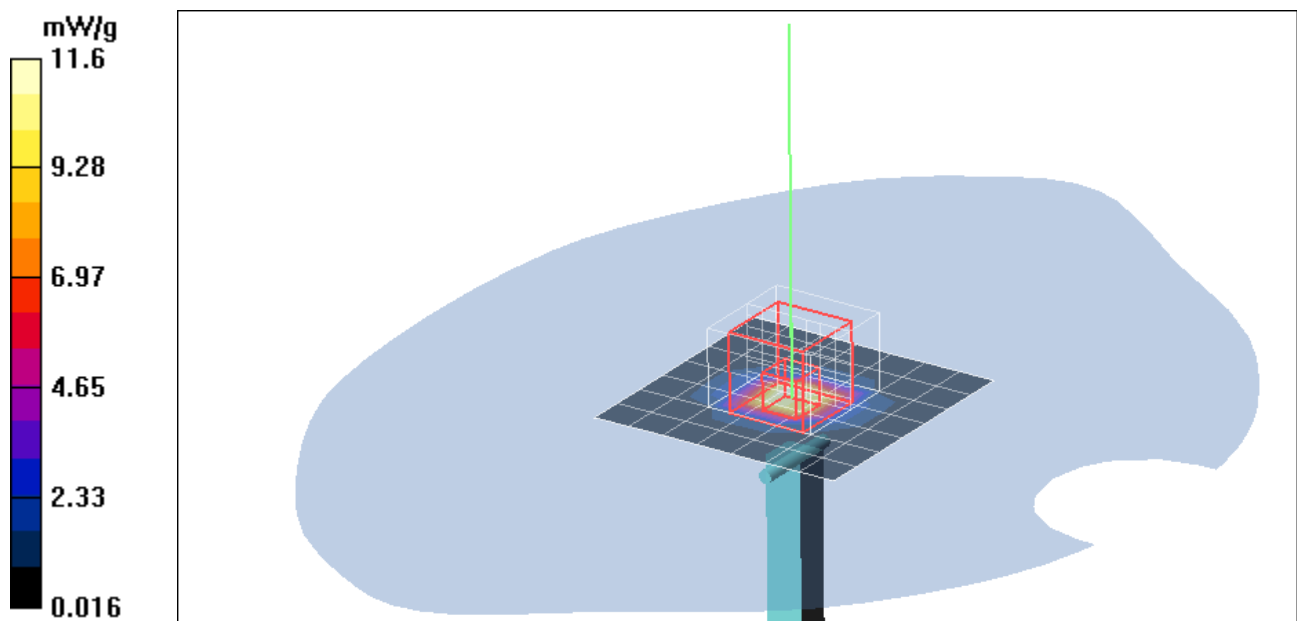
SAR(1 g) = 8.1 mW/g; SAR(10 g) = 2.1 mW/g

Maximum value of SAR (measured) = 18.3 mW/g

Pin=250mW,d=10mm f=5200MHz/Z Scan (1x1x21): Measurement grid:

dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 39.7 mW/g



Test Laboratory: Compliance Certification Services Inc.

D5GHz V2 SN 1004

DUT: Dipole 5GHz ; Type: D5GHz V2; Serial: 1004

Communication System: CW5GHz; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.2 \text{ mho/m}$; $\epsilon_r = 47$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(3.96, 3.96, 3.96);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn905; Calibrated: 8/23/2006
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Pin=250mW, d=10mm f=5800MHz/Area Scan (8x8x1): Measurement

grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 11.6 mW/g

Pin=250mW, d=10mm f=5800MHz/Zoom Scan (8x8x8)/Cube 0:

Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 49.5 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 43.8 W/kg

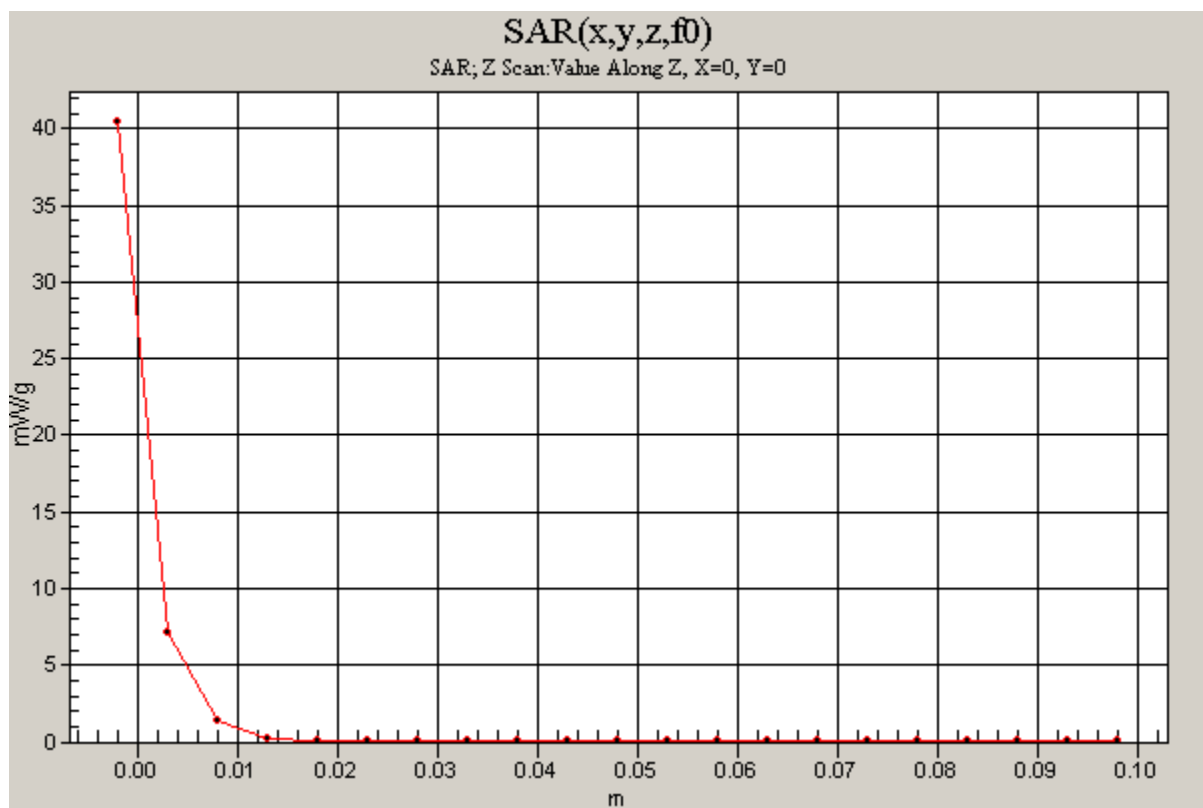
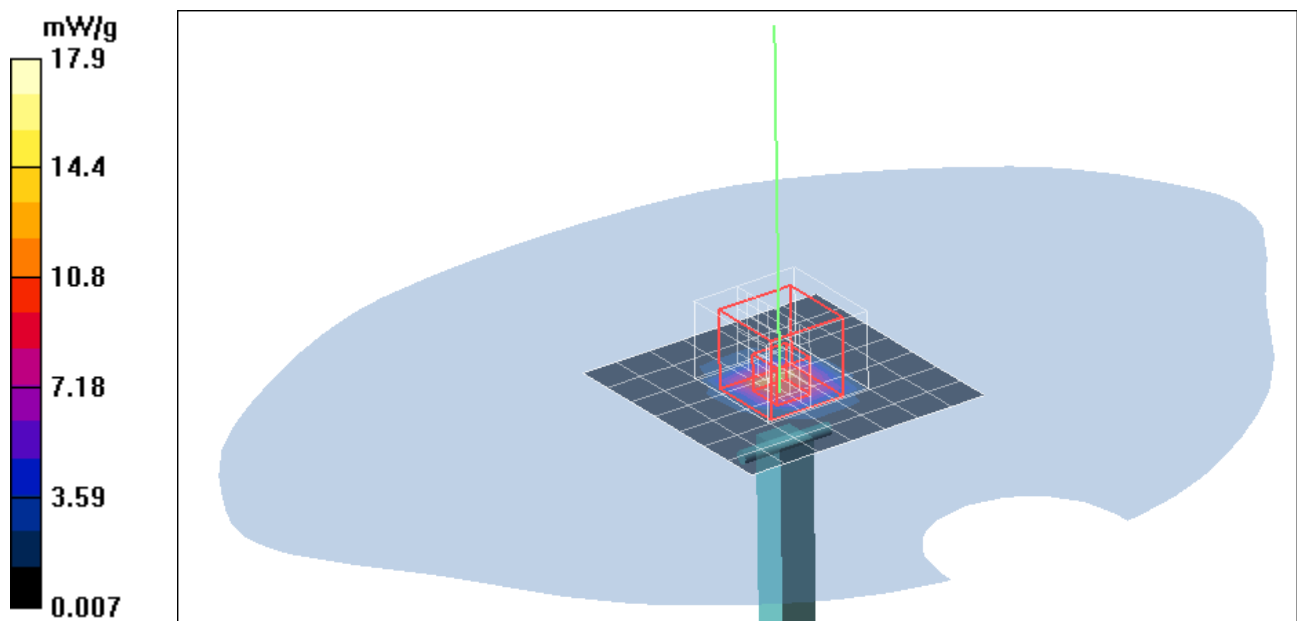
SAR(1 g) = 7.4 mW/g; SAR(10 g) = 2.1 mW/g

Maximum value of SAR (measured) = 17.9 mW/g

Pin=250mW, d=10mm f=5800MHz/Z Scan (1x1x21): Measurement grid:

dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 40.4 mW/g



Test Laboratory: Compliance Certification Services Inc.

802.11g Bottom Touched mode FJ3 HT20 ant C

DUT: S7220; Type: LifeBook; 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/m³

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

High CH Rate 6M/Area Scan (6x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.020 mW/g

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

Reference Value = 3.16 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 0.040 W/kg

SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.0101 mW/g

Maximum value of SAR (measured) = 0.024 mW/g

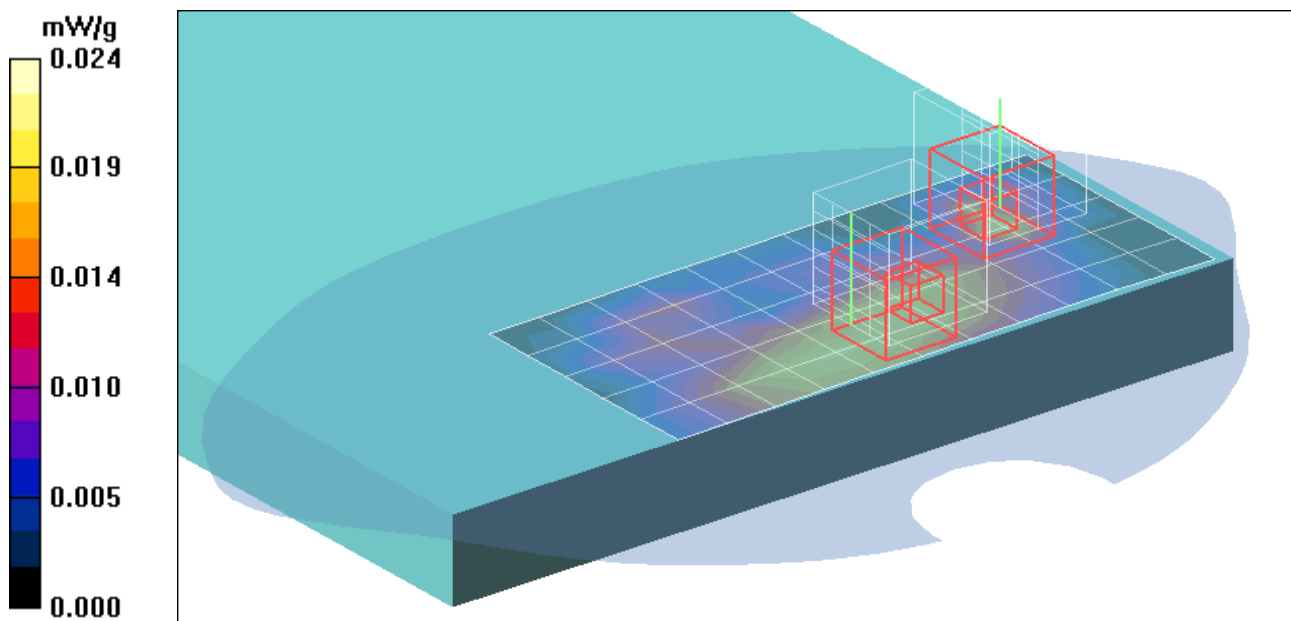
High CH Rate 6M/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 3.16 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 0.027 W/kg

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00898 mW/g

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



Test Laboratory: Compliance Certification Services Inc.

802.11g Bottom Touched mode HT20 ant AC

DUT: S7220; Type: LifeBook; 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/m³

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

High CH Rate 6M/Area Scan (6x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.021 mW/g

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

Reference Value = 2.81 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.036 W/kg

SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.0086 mW/g

Maximum value of SAR (measured) = 0.023 mW/g

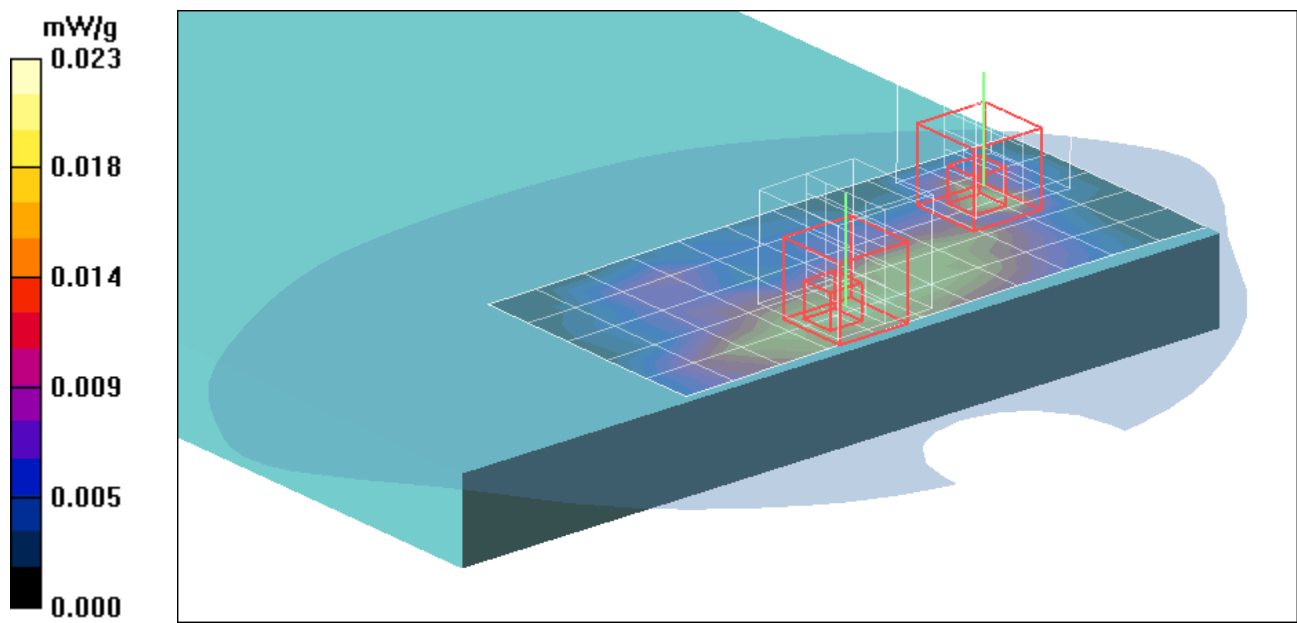
High CH Rate 1M/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 2.81 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.031 W/kg

SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.010 mW/g

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



Test Laboratory: Compliance Certification Services Inc.

802.11g Bottom Touched mode FJ3 HT20 ant BC

DUT: S7220; Type: LifeBook; 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/m³

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

High CH Rate 6M/Area Scan (6x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.021 mW/g

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

Reference Value = 2.85 V/m; Power Drift = -0.164 dB

Peak SAR (extrapolated) = 0.031 W/kg

SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.00868 mW/g

Maximum value of SAR (measured) = 0.022 mW/g

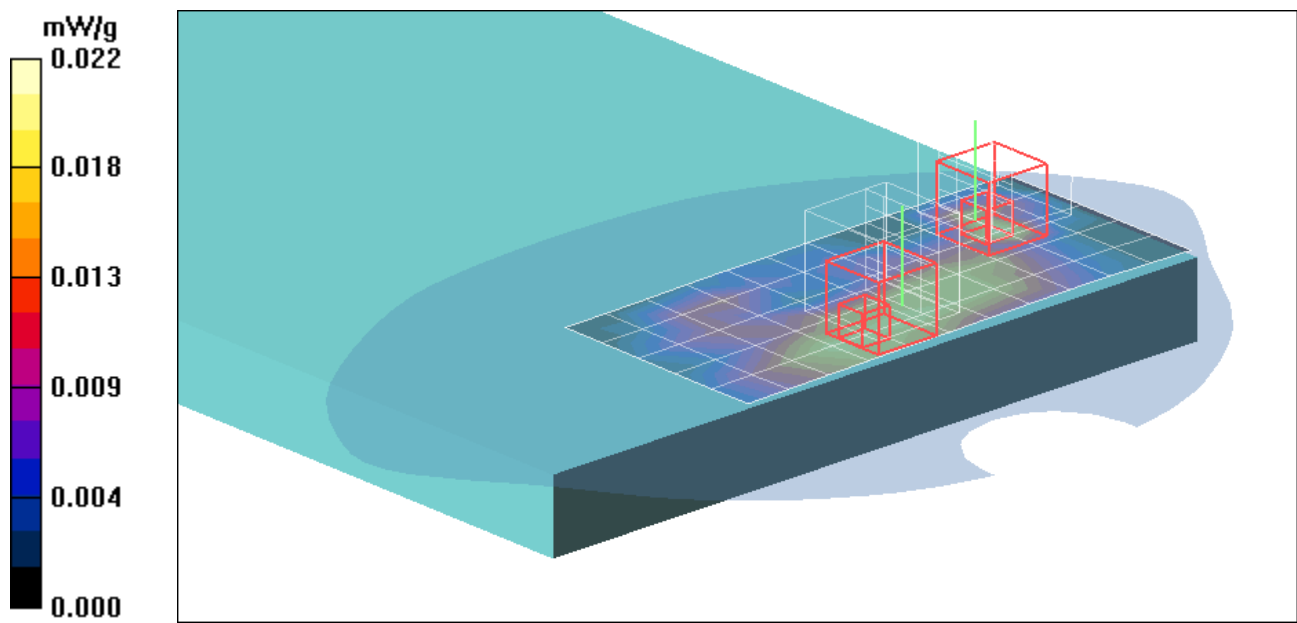
High CH Rate 6M/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 2.85 V/m; Power Drift = -0.164 dB

Peak SAR (extrapolated) = 0.027 W/kg

SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.010 mW/g

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



Test Laboratory: Compliance Certification Services Inc.

802.11g Bottom Touched mode FJ3 HT20 ant ABC

DUT: S7220; Type: LifeBook3; 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/m³

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

High CH Rate 6M/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

High CH Rate 6M 3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 2.39 V/m; Power Drift = -0.140 dB

Peak SAR (extrapolated) = 0.019 W/kg

SAR(1 g) = 0.010 mW/g; SAR(10 g) = 0.00418 mW/g

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

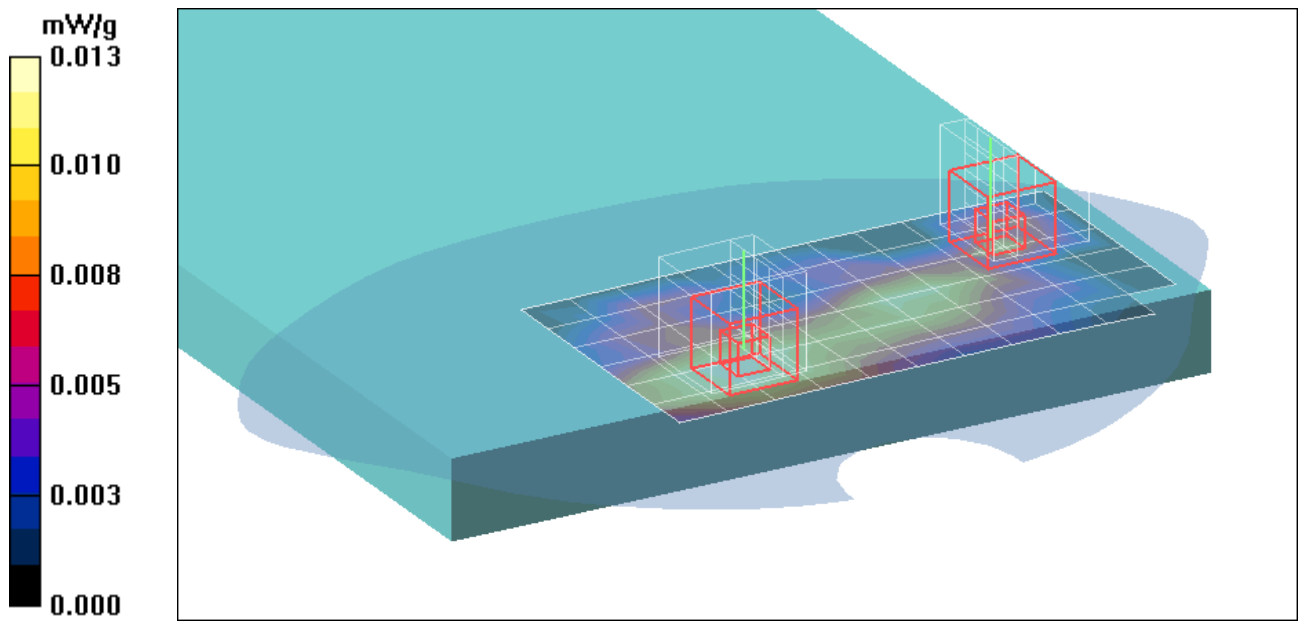
High CH Rate 6M/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 2.39 V/m; Power Drift = -0.140 dB

Peak SAR (extrapolated) = 0.017 W/kg

SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00597 mW/g

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



Test Laboratory: Compliance Certification Services Inc.

802.11g Bottom Touched mode FJ3 HT40 ant C

DUT: S7220; Type: LifeBook; Serial: N/A

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

Medium parameters used : $f = 2437 \text{ MHz}$; $\sigma = 1.92 \text{ mho/m}$; $\epsilon_r = 51.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Middle CH Rate 6M/Area Scan (7x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Middle CH Rate 6M/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.27 V/m; Power Drift = -0.122 dB

Peak SAR (extrapolated) = 0.034 W/kg

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00568 mW/g

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

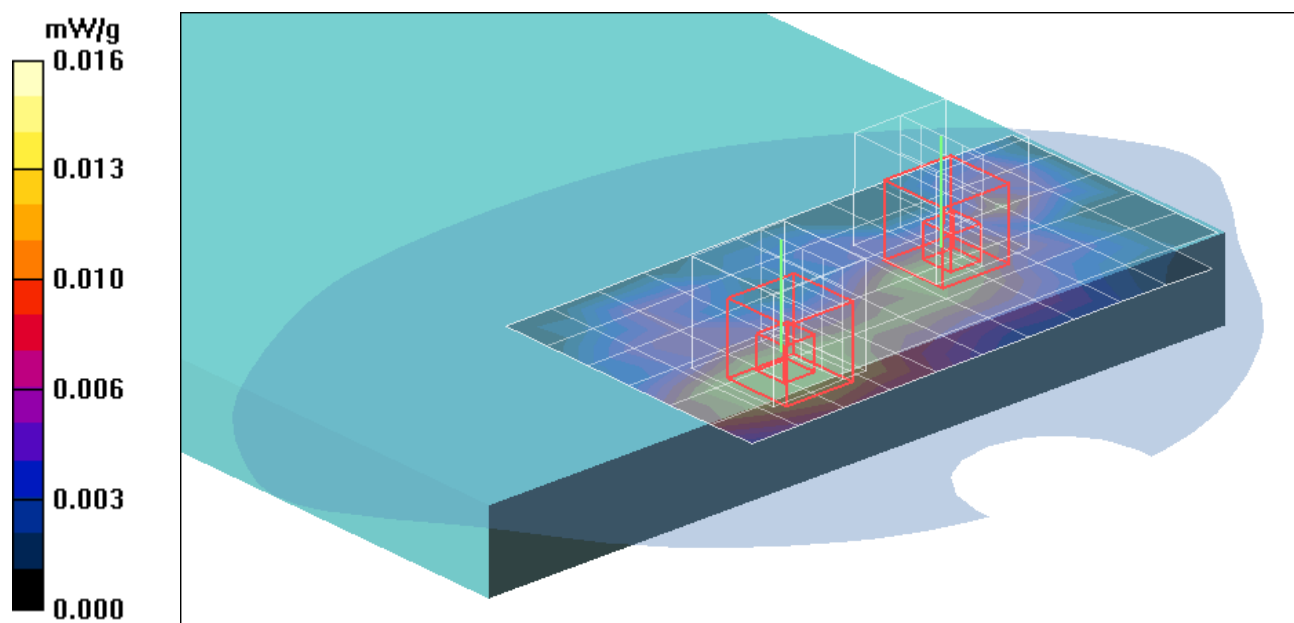
Middle CH Rate 6M/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.39 V/m; Power Drift = -0.122 dB

Peak SAR (extrapolated) = 0.017 W/kg

SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00607 mW/g

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



Test Laboratory: Compliance Certification Services Inc.

80211a Bottom Touch mode FJ3 HT20 ant C

DUT: S7220; Type: LifeBook; Serial: N/A

Communication System: IEEE 802.11 A; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.32 \text{ mho/m}$; $\epsilon_r = 48.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.53, 4.53, 4.53);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

UNII Low CH Rate=6M bit MIMO ant/Area Scan (10x25x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.122 mW/g

UNII Low CH Rate=6M bit MIMO ant/Zoom Scan

(7x7x9)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 4.85 V/m; Power Drift = -0.090 dB

Peak SAR (extrapolated) = 0.227 W/kg

SAR(1 g) = 0.067 mW/g; SAR(10 g) = 0.026 mW/g

Maximum value of SAR (measured) = 0.107 mW/g

UNII Low CH Rate=6M bit MIMO ant/Zoom Scan

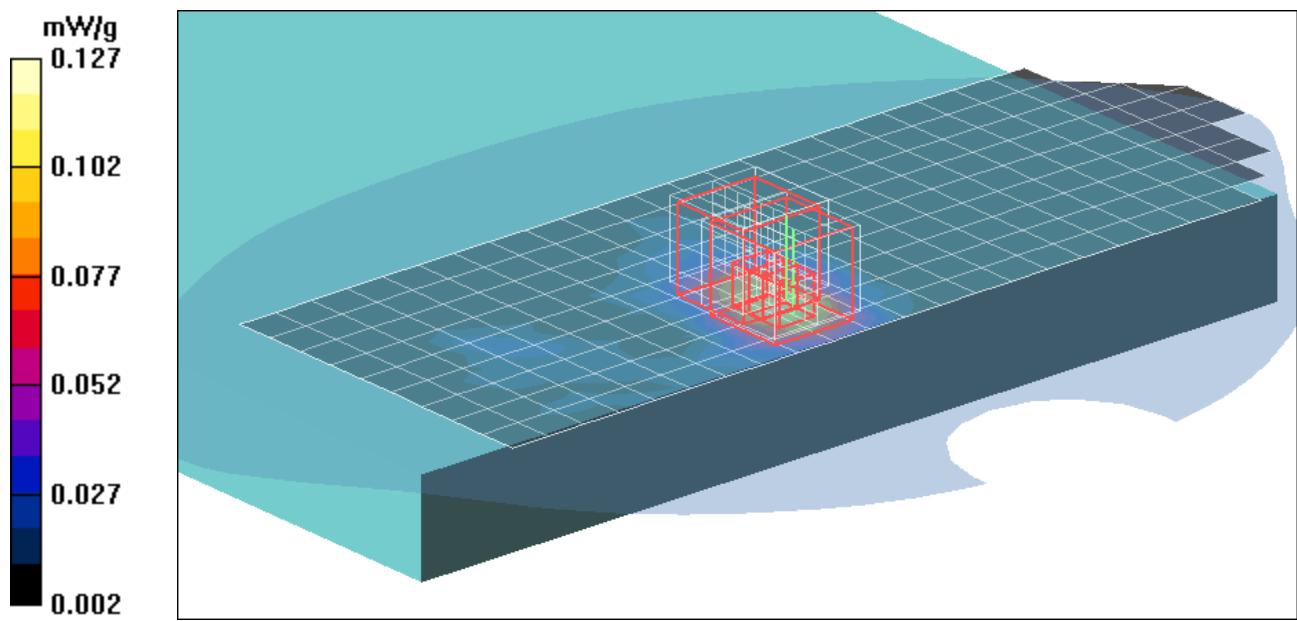
(7x7x9)/Cube 1: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 4.85 V/m; Power Drift = -0.090 dB

Peak SAR (extrapolated) = 0.231 W/kg

SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.023 mW/g

Maximum value of SAR (measured) = 0.110 mW/g



Test Laboratory: Compliance Certification Services Inc.

802.11a Bottom Touch mode FJ3 HT20 ant AC

DUT: S7220; Type: LifeBook; Serial: N/A

Communication System: IEEE 802.11 A; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.35 \text{ mho/m}$; $\epsilon_r = 48.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.53, 4.53, 4.53);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

UNII Low CH Rate=6M bit MIMO ant/Area Scan (7x19x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.070 mW/g

UNII Low CH Rate=6M bit MIMO ant/Zoom Scan

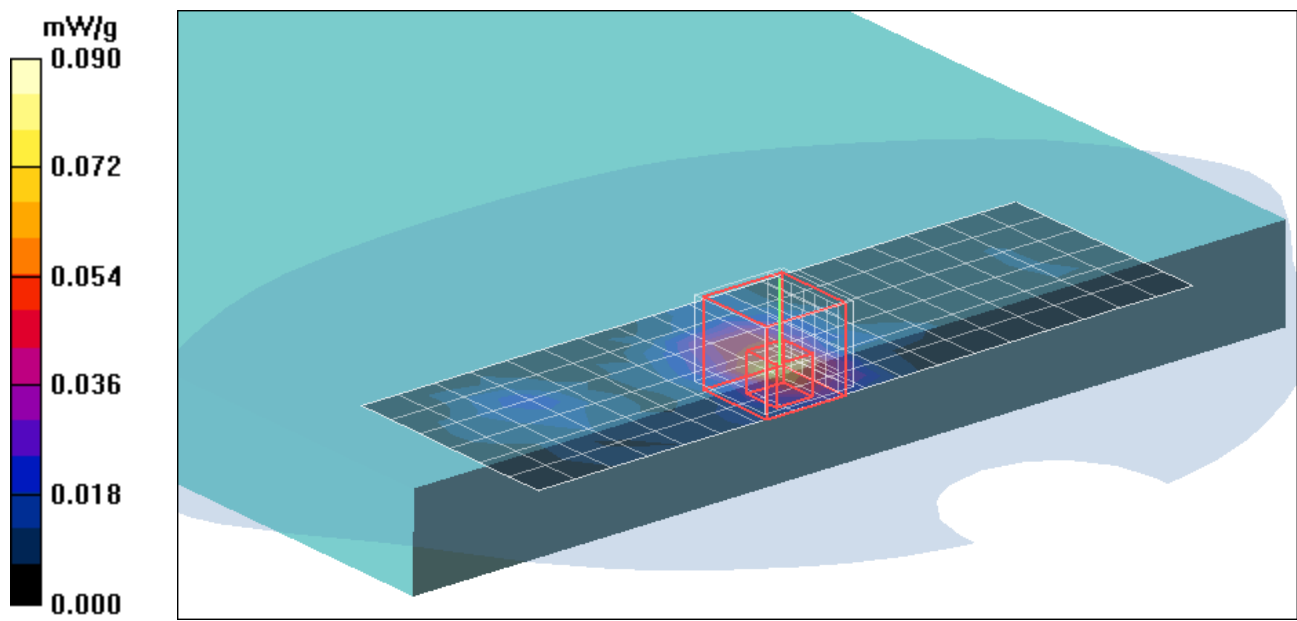
(7x7x9)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 3.56 V/m; Power Drift = -0.083 dB

Peak SAR (extrapolated) = 0.410 W/kg

SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.016 mW/g

Maximum value of SAR (measured) = 0.064 mW/g



Test Laboratory: Compliance Certification Services Inc.

80211a Bottom Touch mode FJ3 HT20 ant BC

DUT: S7220; Type: LifeBook; Serial: N/A

Communication System: IEEE 802.11 A; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.32 \text{ mho/m}$; $\epsilon_r = 48.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.53, 4.53, 4.53);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

UNII Low CH Rate=6M bit MIMO ant/Area Scan (7x16x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.074 mW/g

UNII Low CH Rate=6M bit MIMO ant/Zoom Scan

(7x7x9)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 3.66 V/m; Power Drift = -0.049 dB

Peak SAR (extrapolated) = 0.327 W/kg

SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.085 mW/g

UNII Low CH Rate=6M bit MIMO ant/Zoom Scan

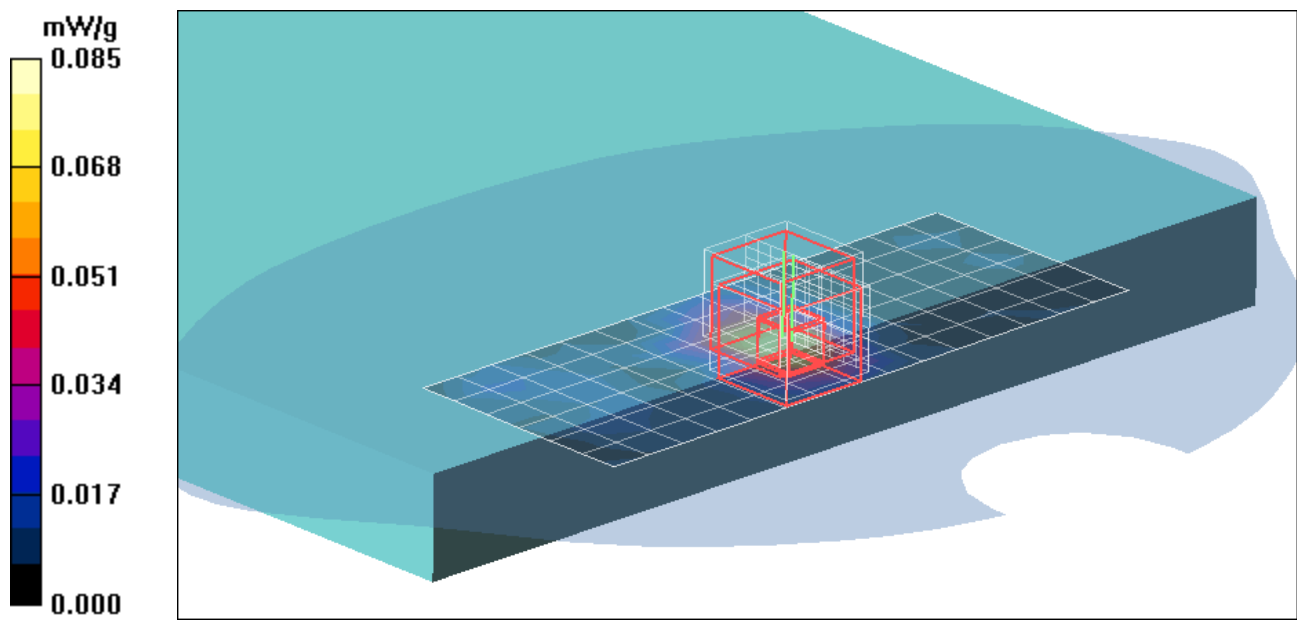
(7x7x9)/Cube 1: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 3.66 V/m; Power Drift = -0.049 dB

Peak SAR (extrapolated) = 0.436 W/kg

SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.022 mW/g

Maximum value of SAR (measured) = 0.077 mW/g



Test Laboratory: Compliance Certification Services Inc.

80211a Bottom Touch mode FJ3 HT20 ant ABC

DUT: S7220; Type: LifeBook; Serial: N/A

Communication System: IEEE 802.11 A; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.32 \text{ mho/m}$; $\epsilon_r = 48.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.53, 4.53, 4.53);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

UNII Low CH Rate=6M bit MIMO ant/Area Scan (7x16x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.034 mW/g

UNII Low CH Rate=6M bit MIMO ant/Zoom Scan

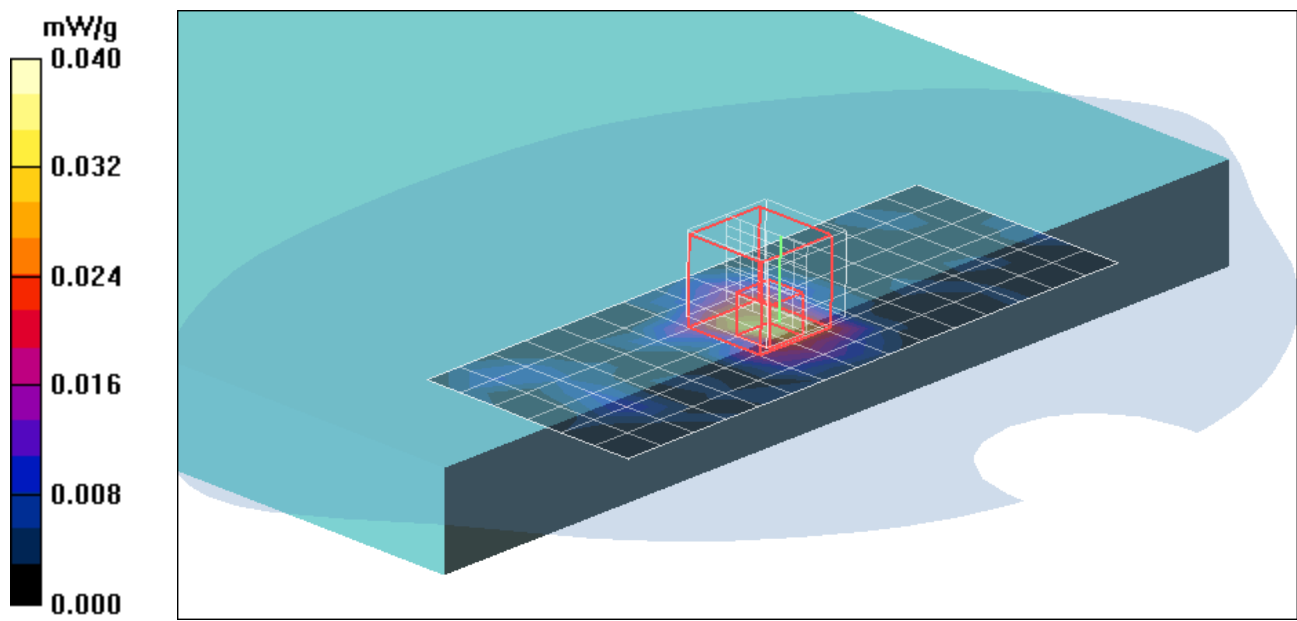
(7x7x9)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.62 V/m; Power Drift = -0.076 dB

Peak SAR (extrapolated) = 0.089 W/kg

SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.00727 mW/g

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



Test Laboratory: Compliance Certification Services Inc.

80211a Bottom Touch mode FJ3 HT20

DUT: S7220; Type: LifeBook; Serial: N/A

Communication System: IEEE 802.11 A; Frequency: 5280 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5280 \text{ MHz}$; $\sigma = 5.47 \text{ mho/m}$; $\epsilon_r = 48.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.17, 4.17, 4.17);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

UNII Middle CH Rate=6M bit MIMO ant/Area Scan (7x16x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.080 mW/g

UNII Middle CH Rate=6M bit MIMO ant/Zoom Scan

(7x7x9)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 3.38 V/m; Power Drift = -0.064 dB

Peak SAR (extrapolated) = 0.527 W/kg

SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.023 mW/g

Maximum value of SAR (measured) = 0.092 mW/g

UNII Middle CH Rate=6M bit MIMO ant/Zoom Scan

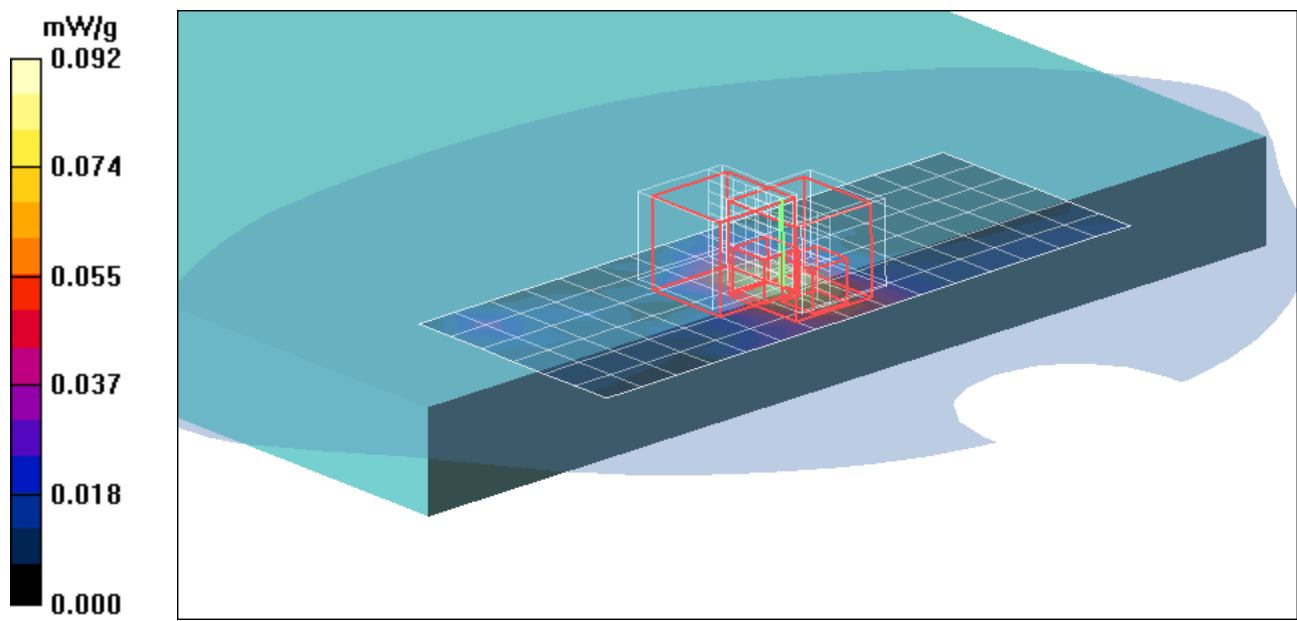
(7x7x9)/Cube 1: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 3.38 V/m; Power Drift = -0.064 dB

Peak SAR (extrapolated) = 0.272 W/kg

SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.016 mW/g

Maximum value of SAR (measured) = 0.109 mW/g



Test Laboratory: Compliance Certification Services Inc.

80211a Bottom Touch mode FJ3 HT20

DUT: S7220; Type: LifeBook; Serial: N/A

Communication System: IEEE 802.11 A; Frequency: 5700 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5700 \text{ MHz}$; $\sigma = 6.09 \text{ mho/m}$; $\epsilon_r = 47.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.17, 4.17, 4.17);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

UNII High CH Rate=6M bit MIMO ant/Area Scan (7x16x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

UNII High CH Rate=6M bit MIMO ant/Zoom Scan

(7x7x9)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 1.98 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 0.327 W/kg

SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.154 mW/g

UNII Middle CH Rate=6M bit MIMO ant/Zoom Scan

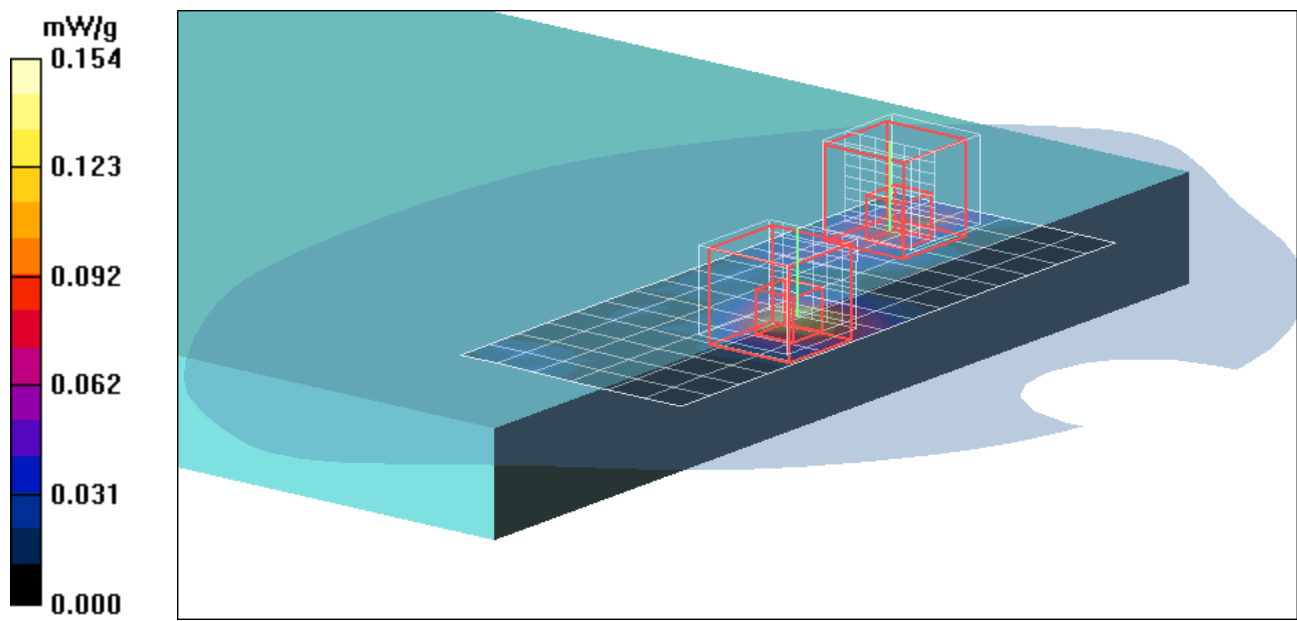
(7x7x9)/Cube 1: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 1.98 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 0.343 W/kg

SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.105 mW/g



Test Laboratory: Compliance Certification Services Inc.

80211a Bottom Touch mode FJ3 HT20

DUT: S7220; Type: LifeBook; Serial: N/A

Communication System: IEEE 802.11 A; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5825 \text{ MHz}$; $\sigma = 6.23 \text{ mho/m}$; $\epsilon_r = 46.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(3.96, 3.96, 3.96);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

DTS High CH Rate=6M bit Main ant/Area Scan (7x16x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.205 mW/g

DTS High CH Rate=6M bit Main ant/Zoom Scan (7x7x9)/Cube

0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 4.49 V/m; Power Drift = -0.110 dB

Peak SAR (extrapolated) = 0.526 W/kg

SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.047 mW/g

Maximum value of SAR (measured) = 0.219 mW/g

DTS High CH Rate=6M bit Main ant/Zoom Scan (7x7x9)/Cube

1: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 4.49 V/m; Power Drift = -0.110 dB

Peak SAR (extrapolated) = 0.511 W/kg

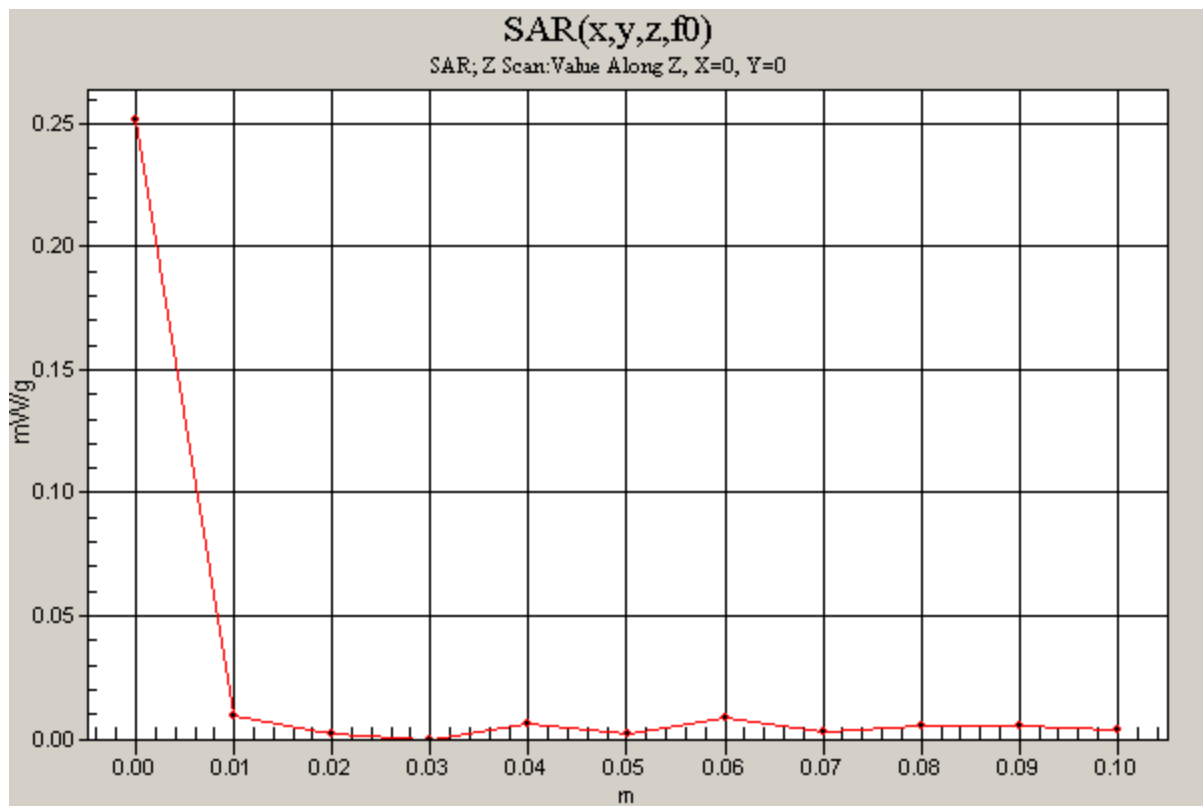
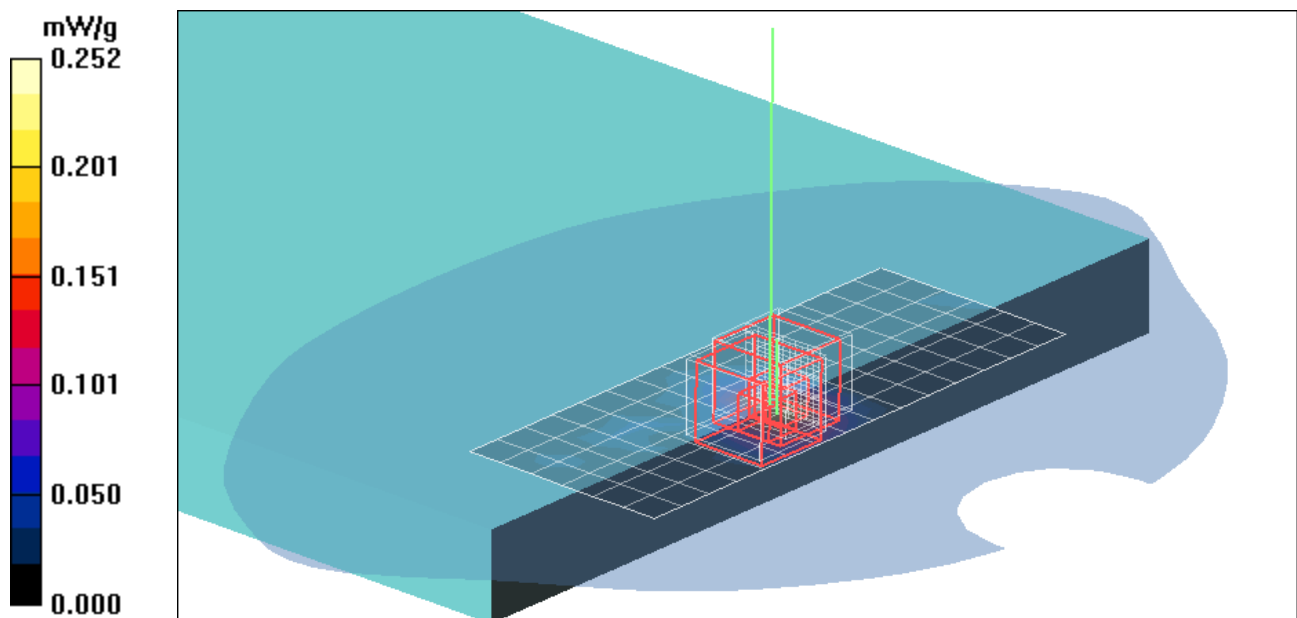
SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.036 mW/g

Maximum value of SAR (measured) = 0.199 mW/g

DTS High CH Rate=6M bit Main ant/Z Scan (1x1x11):

Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$

Maximum value of SAR (measured) = 0.252 mW/g



Test Laboratory: Compliance Certification Services Inc.

80211a Bottom Touch mode FJ3 HT40 TEST

DUT: S7220; Type: LifeBook; Serial: N/A

Communication System: IEEE 802.11 A; Frequency: 5230 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5230$ MHz; $\sigma = 5.39$ mho/m; $\epsilon_r = 48.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.53, 4.53, 4.53);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

UNII CH5230 Rate=6M bit MIMO ant/Area Scan (7x16x1):

Measurement grid: dx=10mm, dy=10mm

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

UNII CH5230 Rate=6M bit MIMO ant/Zoom Scan (7x7x9)/Cube

0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.50 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 0.206 W/kg

SAR(1 g) = 0.041 mW/g; SAR(10 g) = 0.015 mW/g

Maximum value of SAR (measured) = 0.074 mW/g

UNII CH5230 Rate=6M bit MIMO ant/Zoom Scan (7x7x9)/Cube

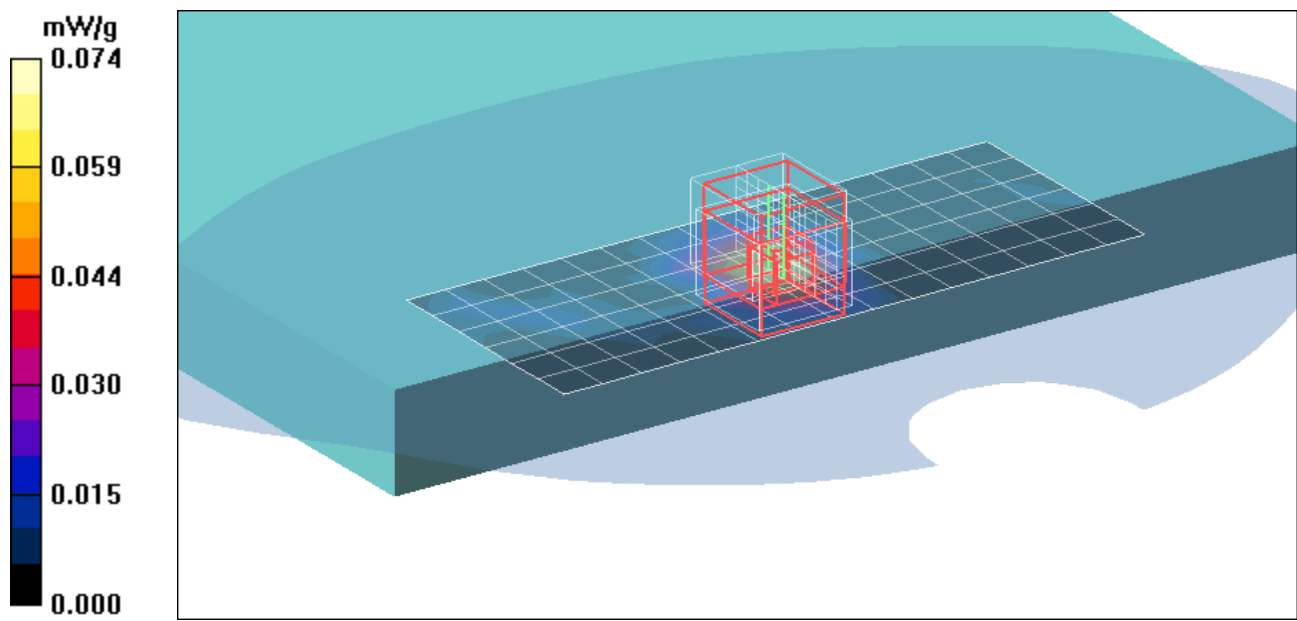
1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.50 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 0.366 W/kg

SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.014 mW/g

Maximum value of SAR (measured) = 0.070 mW/g



Test Laboratory: Compliance Certification Services Inc.

80211a Bottom Touch mode FJ3 HT40

DUT: S7220; Type: LifeBook; Serial: N/A

Communication System: IEEE 802.11 A; Frequency: 5270 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 5.45$ mho/m; $\epsilon_r = 48.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.17, 4.17, 4.17);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

UNII CH5270 Rate=6M bit MIMO ant/Area Scan (7x11x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.103 mW/g

UNII CH5270 Rate=6M bit MIMO ant/Zoom Scan (7x7x9)/Cube

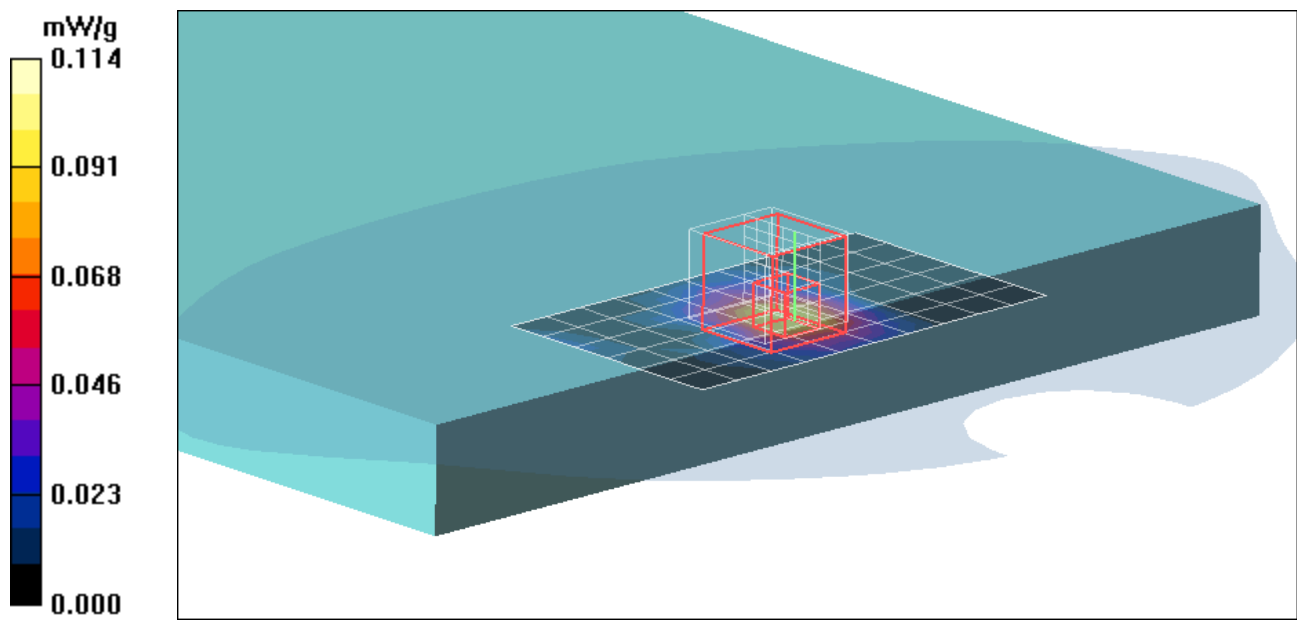
0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.99 V/m; Power Drift = -0.101 dB

Peak SAR (extrapolated) = 0.247 W/kg

SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.022 mW/g

Maximum value of SAR (measured) = 0.114 mW/g



Test Laboratory: Compliance Certification Services Inc.

80211a Bottom Touch mode FJ3 HT40

DUT: S7220; Type: LifeBook; Serial: N/A

Communication System: IEEE 802.11 A; Frequency: 5670 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5670$ MHz; $\sigma = 6.04$ mho/m; $\epsilon_r = 47.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(4.05, 4.05, 4.05);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

UNII CH5670 Rate=6M bit MIMO ant/Area Scan (8x14x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.103 mW/g

UNII CH5670 Rate=6M bit MIMO ant/Zoom Scan (7x7x9)/Cube

0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.80 V/m; Power Drift = -0.089 dB

Peak SAR (extrapolated) = 0.340 W/kg

SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.099 mW/g

UNII CH5670 Rate=6M bit MIMO ant/Zoom Scan (7x7x9)/Cube

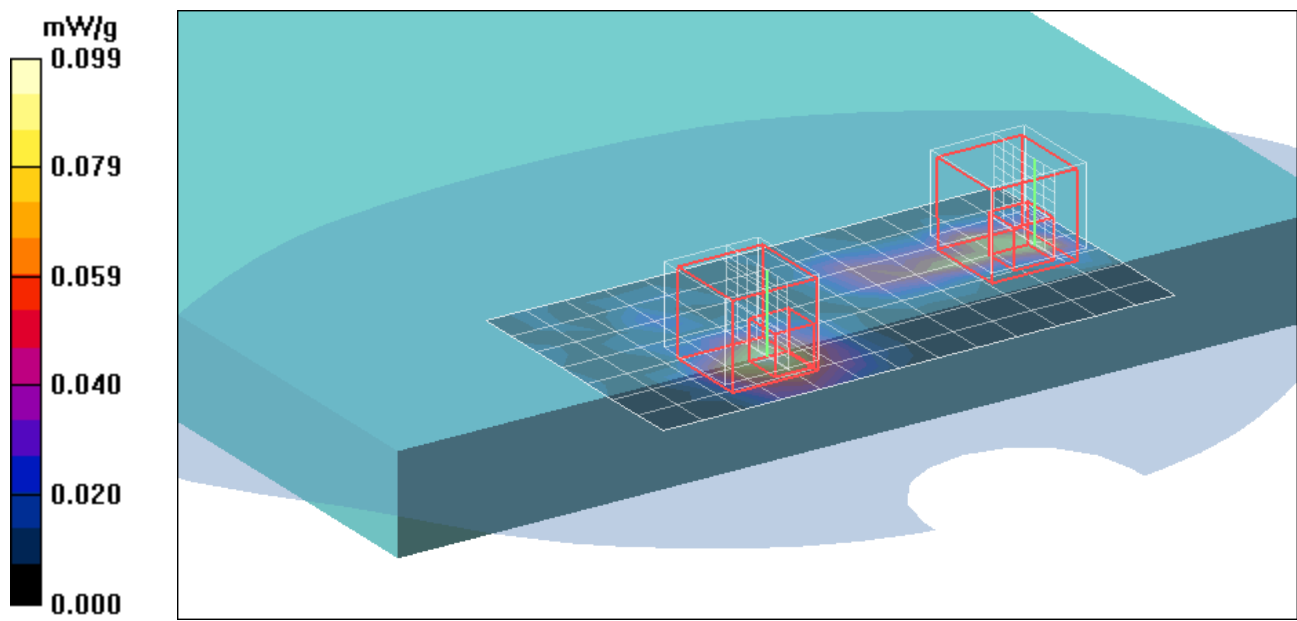
1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.80 V/m; Power Drift = -0.089 dB

Peak SAR (extrapolated) = 0.426 W/kg

SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.101 mW/g



Test Laboratory: Compliance Certification Services Inc.

80211a Bottom Touch mode FJ3 HT40

DUT: S7220; Type: LifeBook; Serial: N/A

Communication System: IEEE 802.11 A; Frequency: 5795 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 6.19$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552 add; ConvF(3.96, 3.96, 3.96);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

UNII CH5795 Rate=6M bit MIMO ant/Area Scan (8x14x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.190 mW/g

UNII CH5795 Rate=6M bit MIMO ant/Zoom Scan (7x7x9)/Cube

0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.18 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 0.356 W/kg

SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.030 mW/g

Maximum value of SAR (measured) = 0.187 mW/g

UNII CH5795 Rate=6M bit MIMO ant/Zoom Scan (7x7x9)/Cube

1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.18 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 0.351 W/kg

SAR(1 g) = 0.101 mW/g; SAR(10 g) = 0.040 mW/g

Maximum value of SAR (measured) = 0.200 mW/g

