

Test Laboratory: Compliance Certification Services Inc.

80211b Bottom Flat AR5B197 Y580 FCC

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

Medium parameters used: $f = 2462$ MHz; $\sigma = 2$ mho/m; $\epsilon_r = 50.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.2 deg C; Liquid Temperature: 23.2 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom High CH11/Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.405 mW/g

Bottom High CH11/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.88 V/m; Power Drift = -0.138 dB

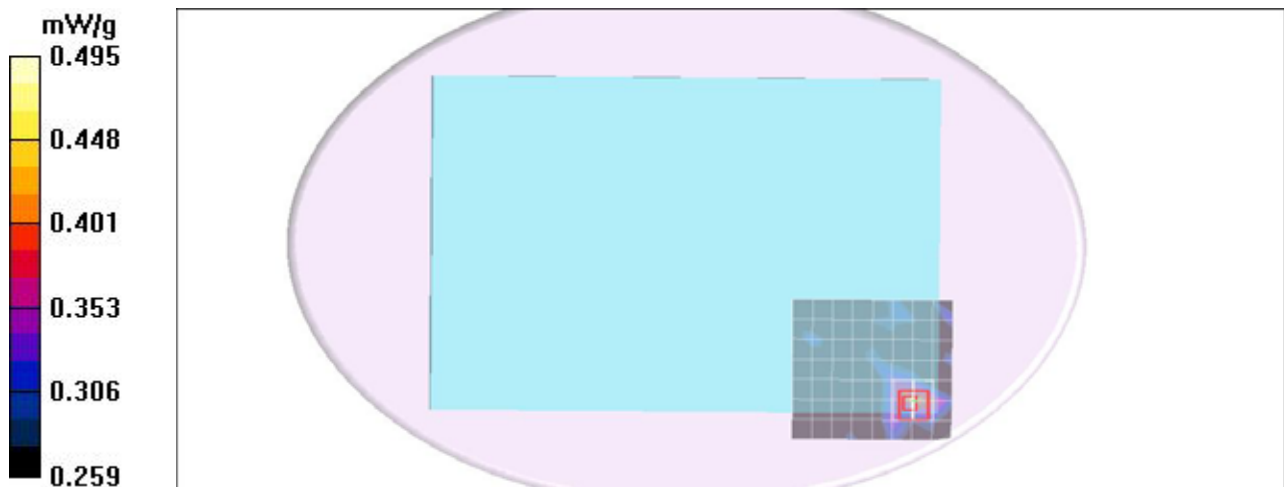
Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.399 mW/g; SAR(10 g) = 0.325 mW/g

Maximum value of SAR (measured) = 0.533 mW/g

Bottom High CH11/Z Scan (1x1x11): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.765 mW/g



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

Medium parameters used: $f = 2462$ MHz; $\sigma = 2$ mho/m; $\epsilon_r = 50.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.2 deg C; Liquid Temperature: 23.2 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 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom High CH11/Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.405 mW/g

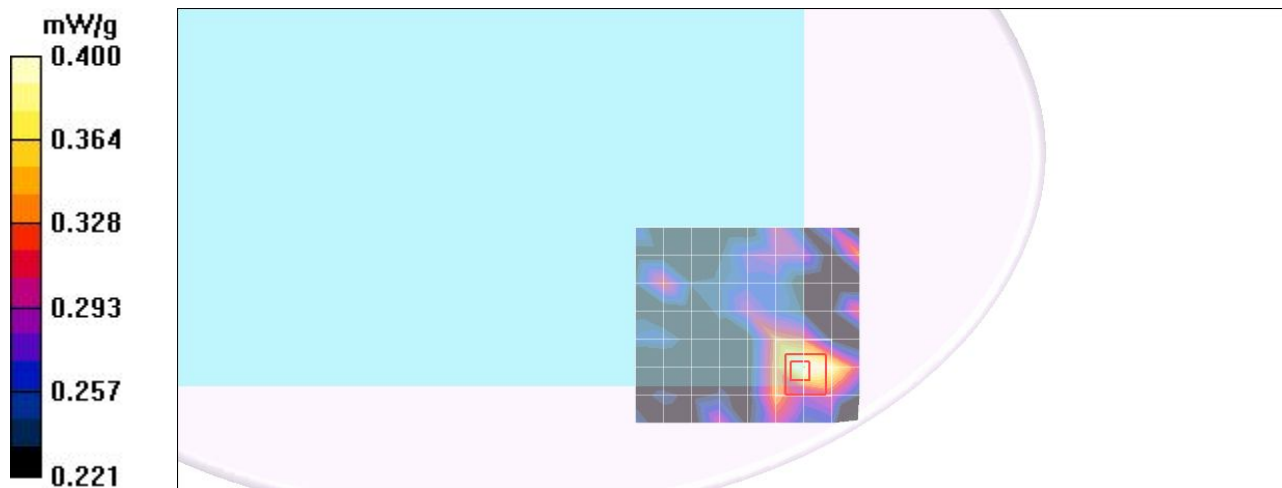
Bottom High CH11/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

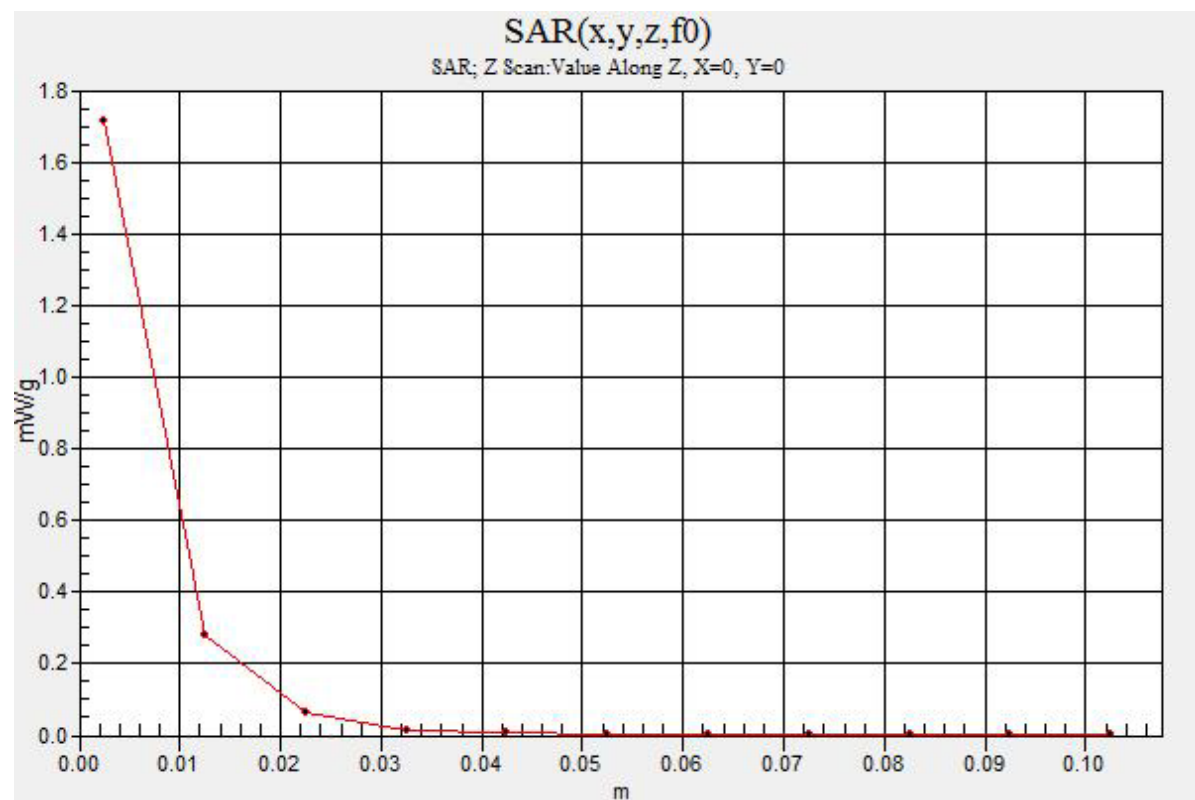
Reference Value = 7.88 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.399 mW/g; SAR(10 g) = 0.369 mW/g

Maximum value of SAR (measured) = 0.533 mW/g





Test Laboratory: Compliance Certification Services Inc.

80211b Bottom Flat AR5B197 Y580 FCC

DUT: Y580; Type: Notebook; Serial: n/a

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

Medium parameters used: $f = 2462$ MHz; $\sigma = 2$ mho/m; $\epsilon_r = 50.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.2 deg C; Liquid Temperature: 23.2 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom High CH11/Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.367 mW/g

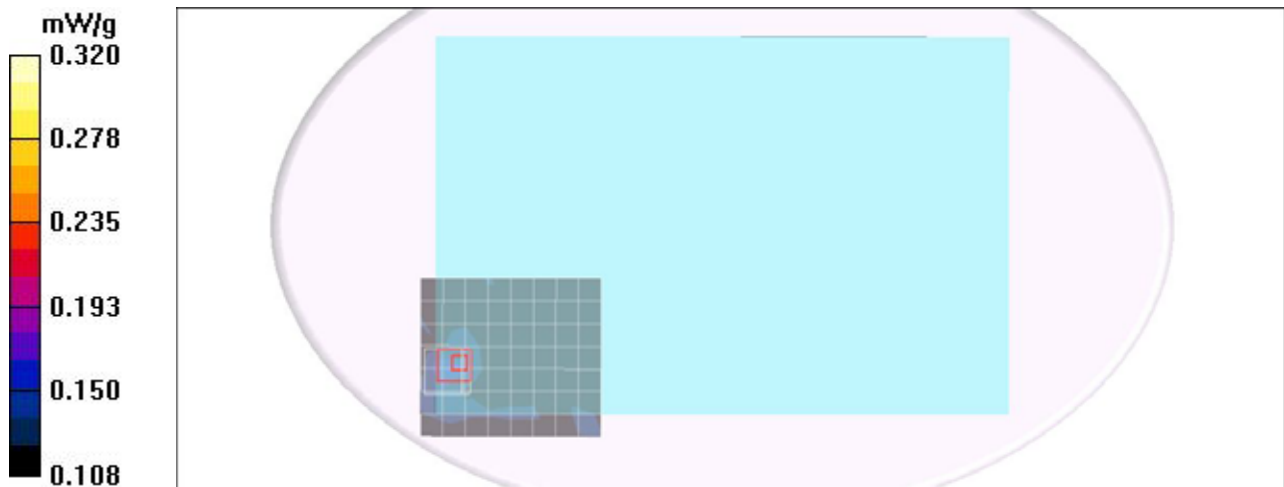
Bottom High CH11/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 4.97 V/m; Power Drift = 0.107 dB

Peak SAR (extrapolated) = 0.388 W/kg

SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.145 mW/g

Maximum value of SAR (measured) = 0.368 mW/g



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80211b Bottom Flat AR5B197 Y580 FCC

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

Medium parameters used: $f = 2462$ MHz; $\sigma = 2$ mho/m; $\epsilon_r = 50.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.2 deg C; Liquid Temperature: 23.2 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom High CH11 aux/Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.367 mW/g

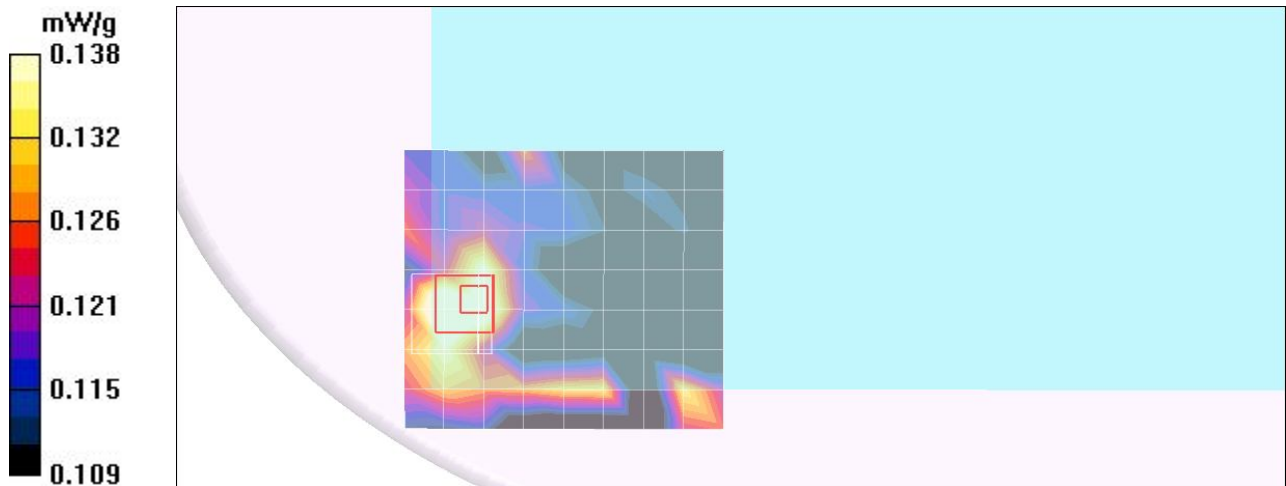
Bottom High CH11 aux/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 4.97 V/m; Power Drift = 0.107 dB

Peak SAR (extrapolated) = 0.388 W/kg

SAR(1 g) = **0.233 mW/g**; SAR(10 g) = 0.145 mW/g

Maximum value of SAR (measured) = 0.368 mW/g



Test Laboratory: Compliance Certification Services Inc.

80211g Bottom Flat AR5B197 Y580 FCC

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

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 50.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature:24.2 deg C;Liquid Temperature:23.2 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom Middle CH6/Area Scan (8x8x1):

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

Maximum value of SAR (measured) = 0.214 mW/g

Bottom Middle CH6/Zoom Scan (7x7x9)/Cube 0:

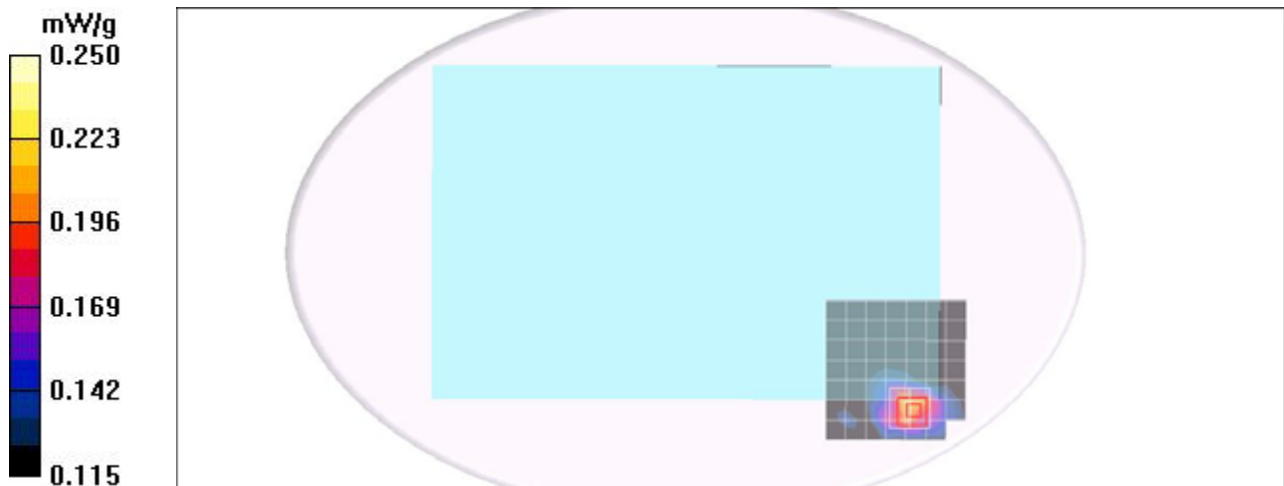
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 5.32 V/m; Power Drift = -0.111 dB

Peak SAR (extrapolated) = 0.384 W/kg

SAR(1 g) = **0.245 mW/g**; SAR(10 g) = 0.201 mW/g

Maximum value of SAR (measured) = 0.301 mW/g



Test Laboratory: Compliance Certification Services Inc.

80211g Bottom Flat AR5B197 Y580 FCC

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

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 50.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.2 deg C; Liquid Temperature: 23.2 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom Middle CH6/Area Scan (8x9x1):

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

Maximum value of SAR (measured) = 0.214 mW/g

Bottom Middle CH6/Zoom Scan (7x7x9)/Cube 0:

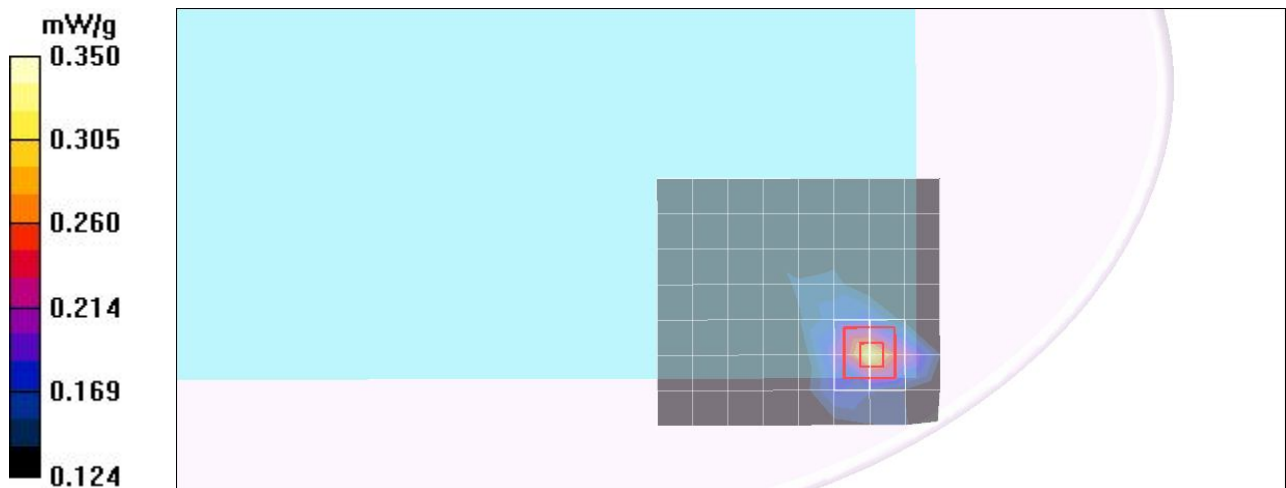
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 5.32 V/m; Power Drift = 0.111 dB

Peak SAR (extrapolated) = 0.384 W/kg

SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.201 mW/g

Maximum value of SAR (measured) = 0.301 mW/g



Test Laboratory: Compliance Certification Services Inc.

80211g Bottom Flat AR5B197 Y580 FCC

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

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 50.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.2 deg C; Liquid Temperature: 23.2 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 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom Middle CH6 aux/Area Scan (8x8x1):

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

Maximum value of SAR (measured) = 0.292 mW/g

Bottom Middle CH6 aux/Zoom Scan (7x7x9)/Cube 0:

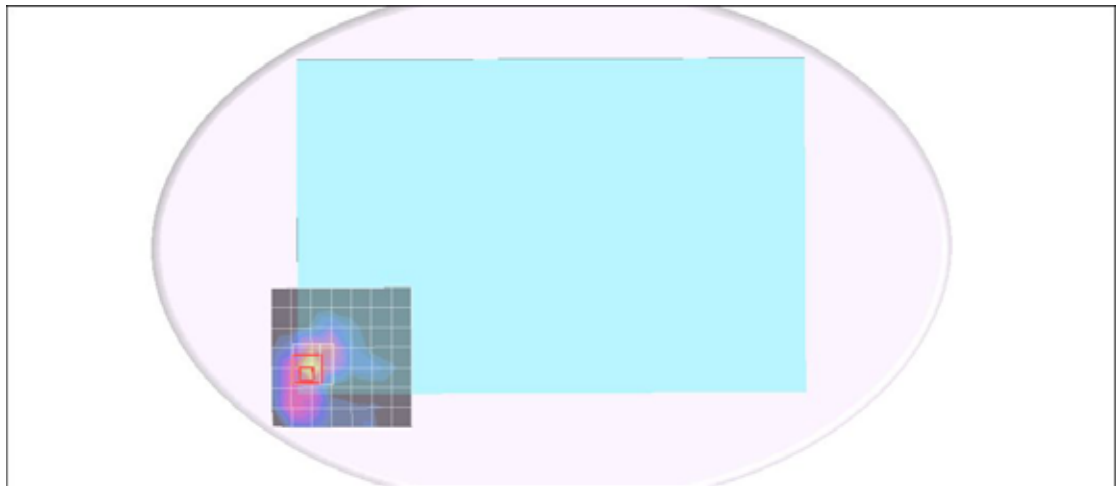
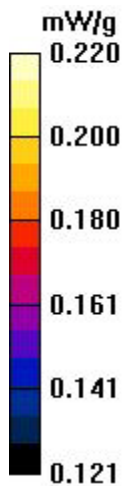
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 5.22 V/m; Power Drift = -0.078 dB

Peak SAR (extrapolated) = 0.301 W/kg

SAR(1 g) = 0.268 mW/g; SAR(10 g) = 0.137 mW/g

Maximum value of SAR (measured) = 0.289 mW/g



Test Laboratory: Compliance Certification Services Inc.

80211g Bottom Flat AR5B197 Y580 FCC

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

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 50.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.2 deg C; Liquid Temperature: 23.2 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom Middle CH6 aux/Area Scan (8x9x1):

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

Maximum value of SAR (measured) = 0.292 mW/g

Bottom Middle CH6 aux/Zoom Scan (7x7x9)/Cube 0:

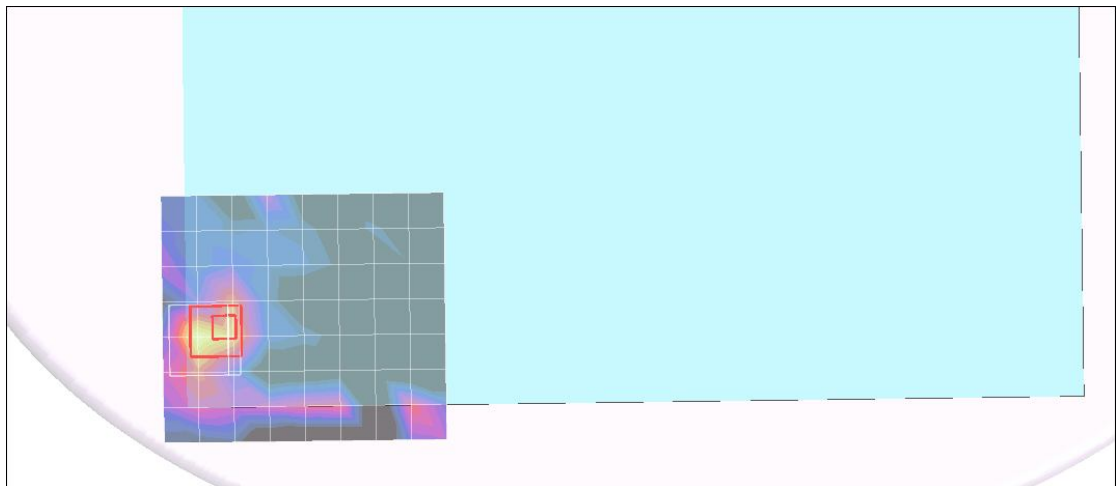
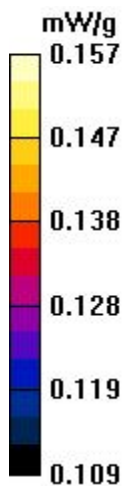
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 5.22 V/m; Power Drift = 0.207 dB

Peak SAR (extrapolated) = 0.301 W/kg

SAR(1 g) = 0.268 mW/g; SAR(10 g) = 0.137 mW/g

Maximum value of SAR (measured) = 0.289 mW/g



Test Laboratory: Compliance Certification Services Inc.

80211n HT20 Bottom Flat AR5B197 Y580 FCC

Communication System: IEEE 802.11n WLAN HT20; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 50.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.2 deg C; Liquid Temperature: 23.2 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom Middle CH6/Area Scan (8x8x1):

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

Maximum value of SAR (measured) = 0.211 mW/g

Bottom Middle CH6/Zoom Scan (7x7x9)/Cube 0:

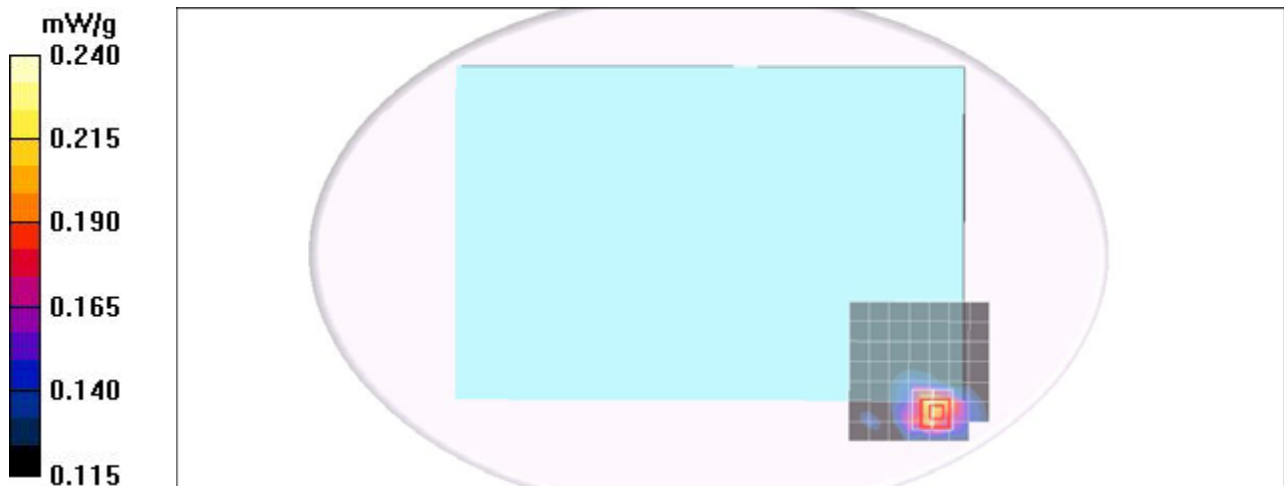
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 5.55 V/m; Power Drift = -0.133 dB

Peak SAR (extrapolated) = 0.355 W/kg

SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.152 mW/g

Maximum value of SAR (measured) = 0.280 mW/g



Test Laboratory: Compliance Certification Services Inc.

80211n HT20 Bottom Flat AR5B197 Y580 FCC

Communication System: IEEE 802.11n WLAN HT20; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 50.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.2 deg C; Liquid Temperature: 23.2 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom Middle CH6/Area Scan (8x8x1):

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

Maximum value of SAR (measured) = 0.211 mW/g

Bottom Middle CH6/Zoom Scan (7x7x9)/Cube 0:

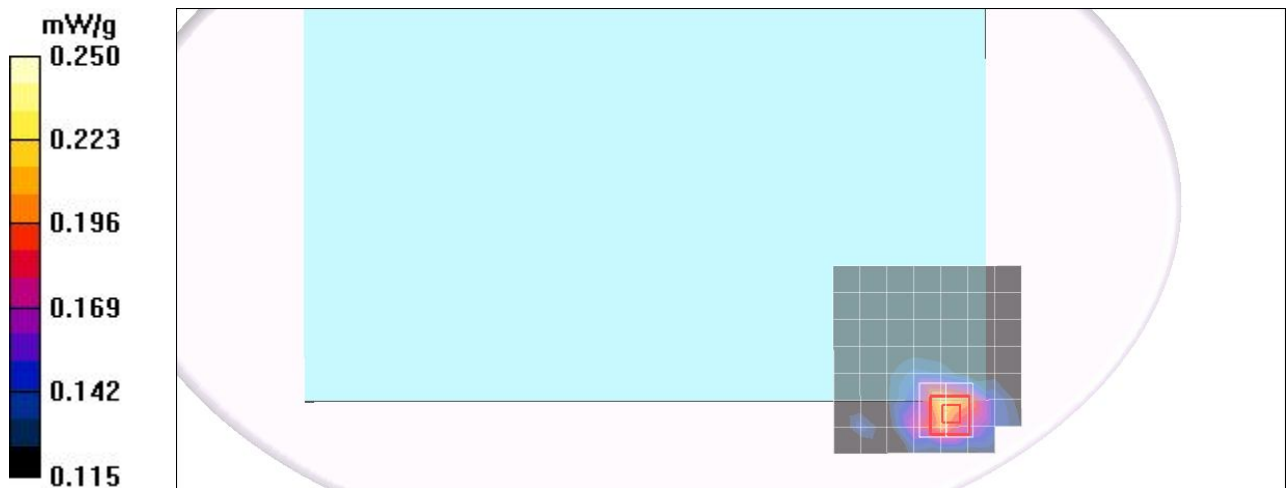
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 5.55 V/m; Power Drift = -0.133 dB

Peak SAR (extrapolated) = 0.355 W/kg

SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.152 mW/g

Maximum value of SAR (measured) = 0.280 mW/g



Test Laboratory: Compliance Certification Services Inc.

80211n HT20 Bottom Flat AR5B197 Y580 FCC

Communication System: IEEE 802.11n WLAN HT20; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2437\text{ MHz}$; $\sigma = 1.97\text{ mho/m}$; $\epsilon_r = 50.4$; $\rho = 1000\text{ kg/m}^3$
Phantom section: Flat Section
Air Temperature:24.2 deg C;Liquid Temperature:23.2 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

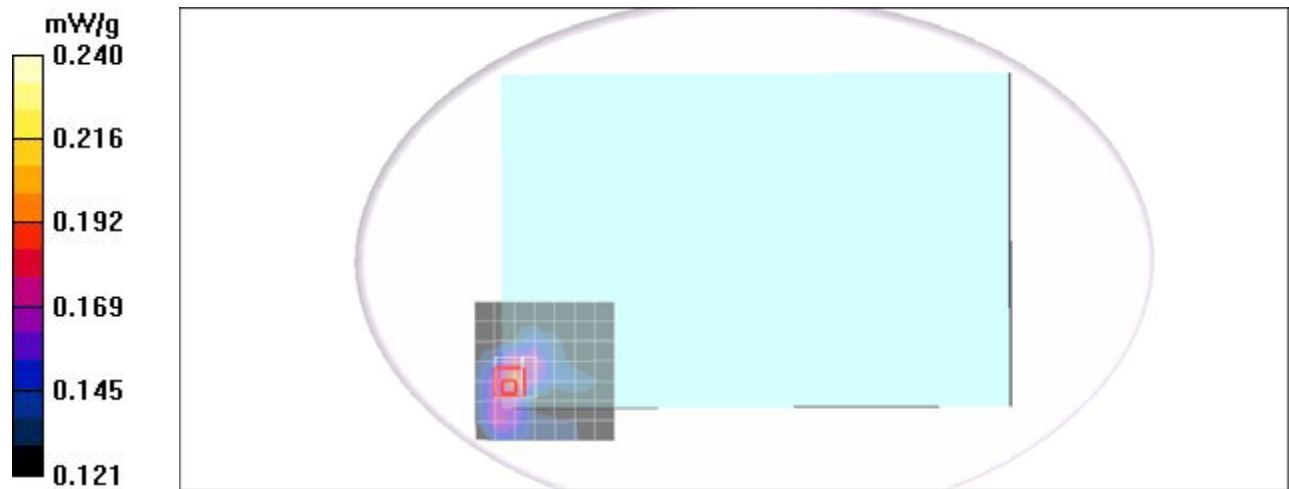
- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom Middle CH6 aux/Area Scan (8x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.352 mW/g

Bottom Middle CH6 aux/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 4.85 V/m; Power Drift = -0.138 dB
Peak SAR (extrapolated) = 0.316 W/kg
SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.137 mW/g
Maximum value of SAR (measured) = 0.355 mW/g



Test Laboratory: Compliance Certification Services Inc.

80211n HT20 Bottom Flat AR5B197 Y580 FCC

Communication System: IEEE 802.11n WLAN HT20; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 50.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Air Temperature: 24.2 deg C; Liquid Temperature: 23.2 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom Middle CH6 aux/Area Scan (8x8x1):

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

Maximum value of SAR (measured) = 0.352 mW/g

Bottom Middle CH6 aux/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 4.85 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 0.316 W/kg

SAR(1 g) = **0.253 mW/g**; SAR(10 g) = 0.137 mW/g

Maximum value of SAR (measured) = 0.355 mW/g

