Date/Time: 2012/3/12 08:43:22 PM

Test Laboratory: Compliance Certification Services Inc.

80211b Bottom Flat AR5B197 Y480 FCC

Communication System: IEEE 802.11b WLAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 2 mho/m; ε_r = 50.3; ρ = 1000 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:

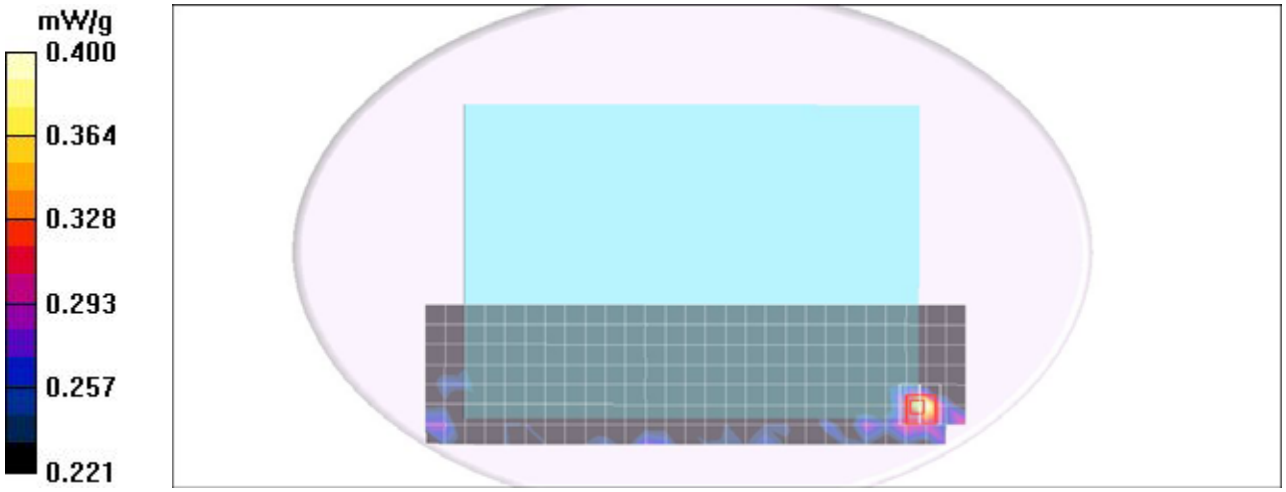
- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom High CH11/Area Scan (8x28x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.260 mW/g

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

Reference Value = 5.3 V/m; Power Drift = -0.123 dB
Peak SAR (extrapolated) = 0.59 W/kg
SAR(1 g) = 0.255 mW/g; SAR(10 g) = 0.169 mW/g
Maximum value of SAR (measured) = 0.249 mW/g



Date/Time: 2012/3/12 08:43:22 PM

Test Laboratory: Compliance Certification Services Inc.

80211b Bottom Flat AR5B197 Y480 FCC

Communication System: IEEE 802.11b WLAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 2 mho/m; ε_r = 50.3; ρ = 1000 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 High CH11/Area Scan (8x28x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.260 mW/g

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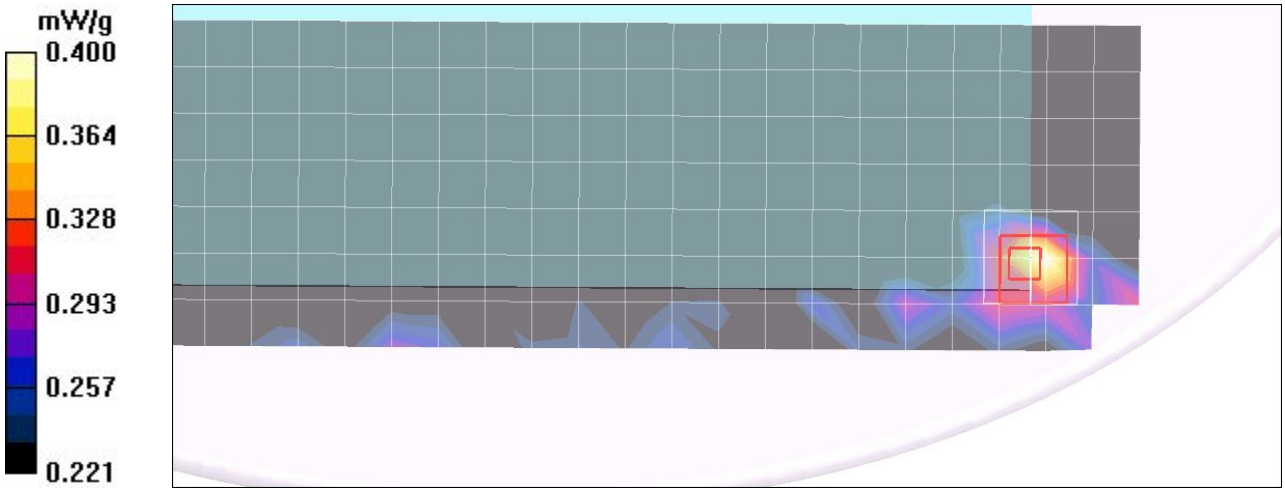
Maximum value of SAR (measured) = 0.249 mW/g



Date/Time: 1/30/2012 9:19:25 AM

Test Laboratory: Compliance Certification Services Inc.

802.11b Rate 1M_Bottom_AR5B197 Y480

Communication System: IEEE802.11b WLAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.955 mho/m; ε_r = 51.581; ρ = 1000 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

DASY Configuration:

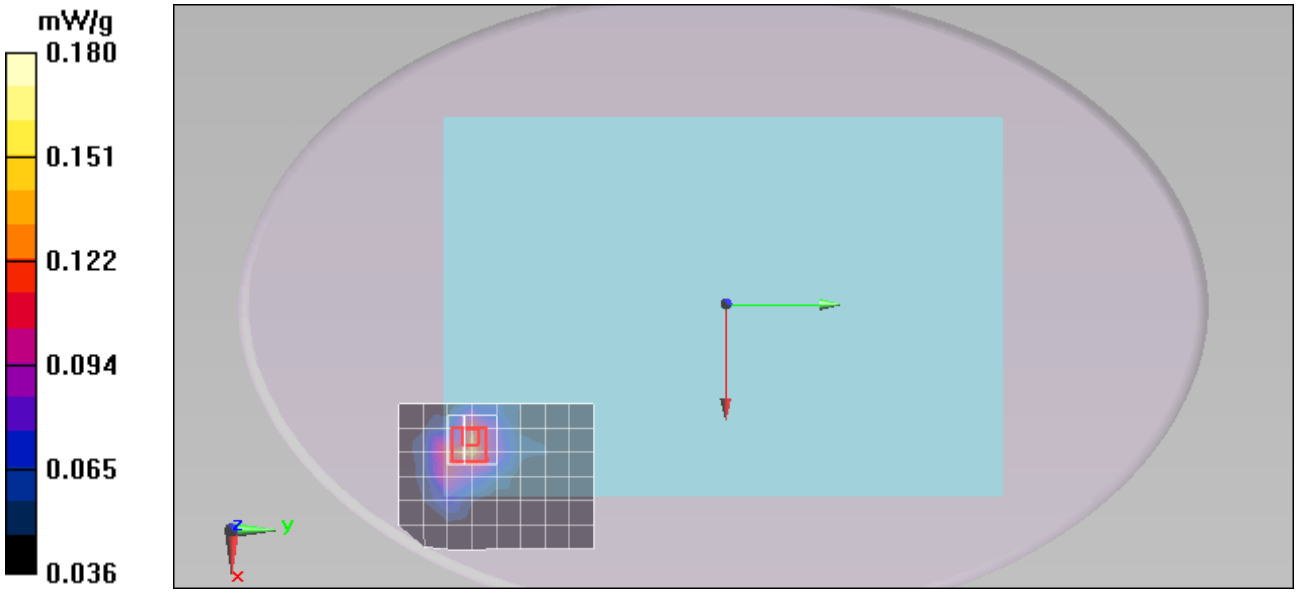
- Probe: EX3DV4 - SN3665; ConvF(7.47, 7.47, 7.47);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 3/18/2011
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1056
- Measurement SW: DASY52, Version 52.8 (0)SEMCAD X Version 14.6.4 (4989)

Configuration/Bottom High CH11/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.133 mW/g

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

Reference Value = 3.793 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.238
SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.087 mW/g
Maximum value of SAR (measured) = 0.180 mW/g



Date/Time: 1/30/2012 9:19:25 AM

Test Laboratory: Compliance Certification Services Inc.

80211b Bottom Flat AR5B197 Y480 FCC

Communication System: IEEE 802.11b WLAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.955 mho/m; ε_r = 51.581; ρ = 1000 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:

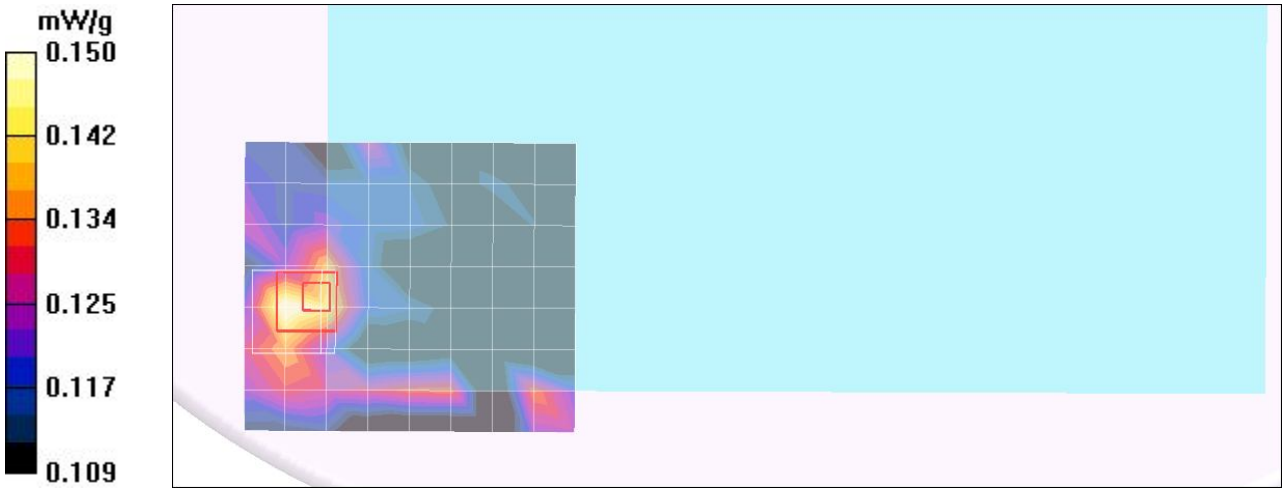
- Probe: EX3DV4 - SN3665; ConvF(7.47, 7.47, 7.47);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 3/18/2011
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1056
- Measurement SW: DASY52, Version 52.8 (0)SEMCAD X Version 14.6.4 (4989)

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

Maximum value of SAR (measured) = 0.133 mW/g

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

Reference Value = 3.793 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.238 W/kg
SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.087 mW/g
Maximum value of SAR (measured) = 0.180 mW/g



Date/Time: 2012/3/13 09:45:11 AM

Test Laboratory: Compliance Certification Services Inc.

80211g Bottom Flat AR5B197 Y480 FCC

Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.97 mho/m; ε_r = 51.4; ρ = 1000 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/Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm

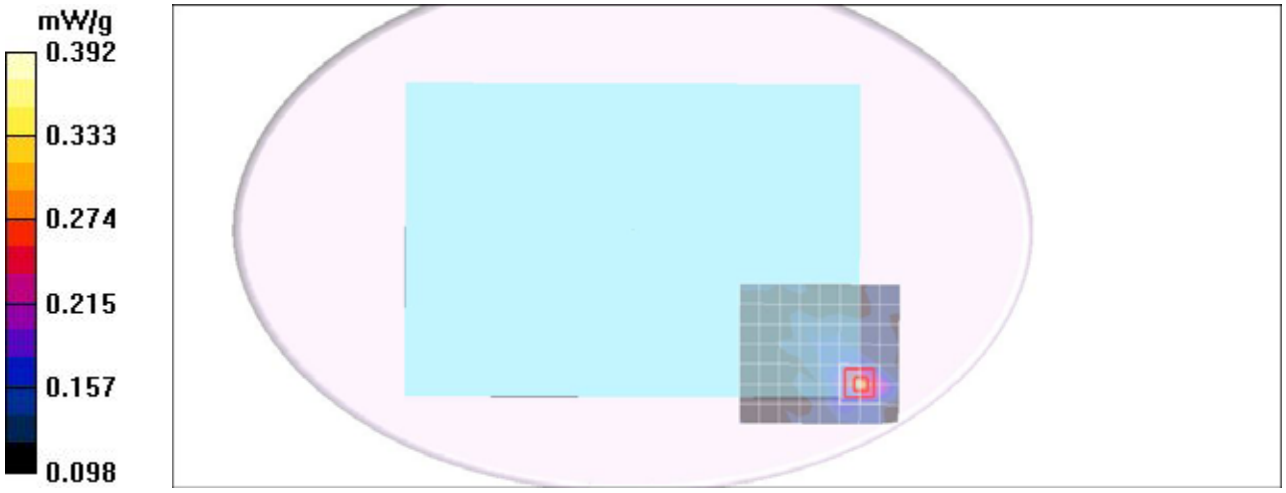
Maximum value of SAR (measured) = 0.312 mW/g

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

Reference Value = 6.10 V/m; Power Drift = -0.114 dB
Peak SAR (extrapolated) = 0.425 W/kg
SAR(1 g) = 0.285 mW/g; SAR(10 g) = 0.195 mW/g
Maximum value of SAR (measured) = 0.332 mW/g

Bottom Middle CH6/Z Scan (1x1x11): Measurement grid: dx=20mm, dy=20mm, dz=10mm

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



Date/Time: 2012/3/13 09:45:11 AM

Test Laboratory: Compliance Certification Services Inc.

80211g Bottom Flat AR5B197 Y480 FCC

Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.97 mho/m; ε_r = 51.4; ρ = 1000 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:

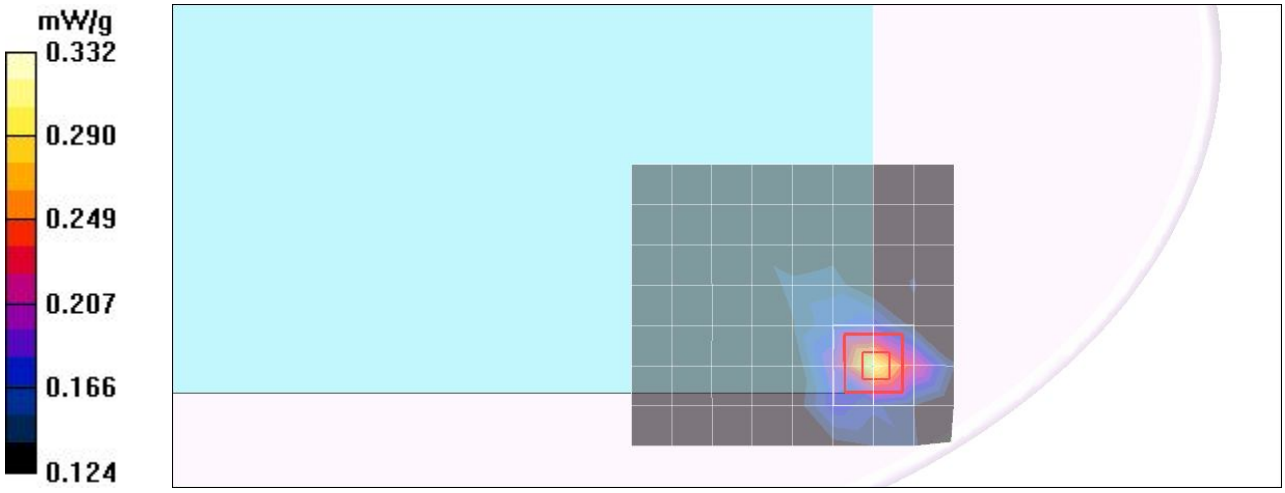
- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom Middle CH6/Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.312 mW/g

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

Reference Value = 6.10 V/m; Power Drift = -0.114 dB
Peak SAR (extrapolated) = 0.425 W/kg
SAR(1 g) = 0.285 mW/g; SAR(10 g) = 0.195 mW/g
Maximum value of SAR (measured) = 0.332 mW/g



Date/Time: 2012/3/13 10:28:33 PM

Test Laboratory: Compliance Certification Services Inc.

80211g Bottom Flat AR5B197 Y480 FCC

Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.97 mho/m; ε_r = 51.4; ρ = 1000 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:

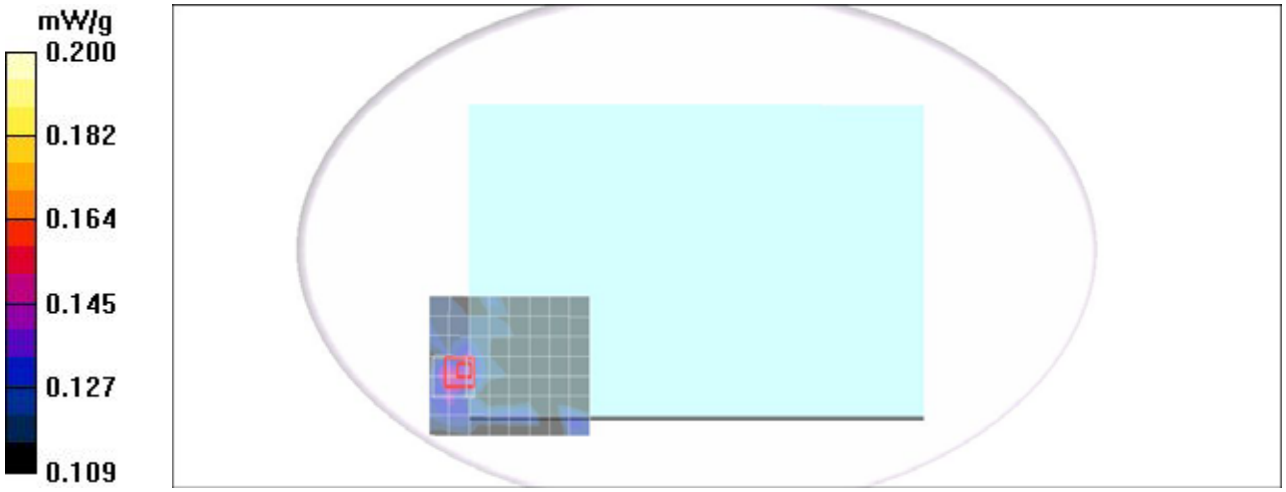
- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom Middle CH6 aux/Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.152 mW/g

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

Reference Value = 5.88 V/m; Power Drift = -0.107 dB
Peak SAR (extrapolated) = 0.232 W/kg
SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.105 mW/g
Maximum value of SAR (measured) = 0.214 mW/g



Date/Time: 2012/3/13 10:28:33 PM

Test Laboratory: Compliance Certification Services Inc.

80211g Bottom Flat AR5B197 Y480 FCC

Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.97 mho/m; ε_r = 51.4; ρ = 1000 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:

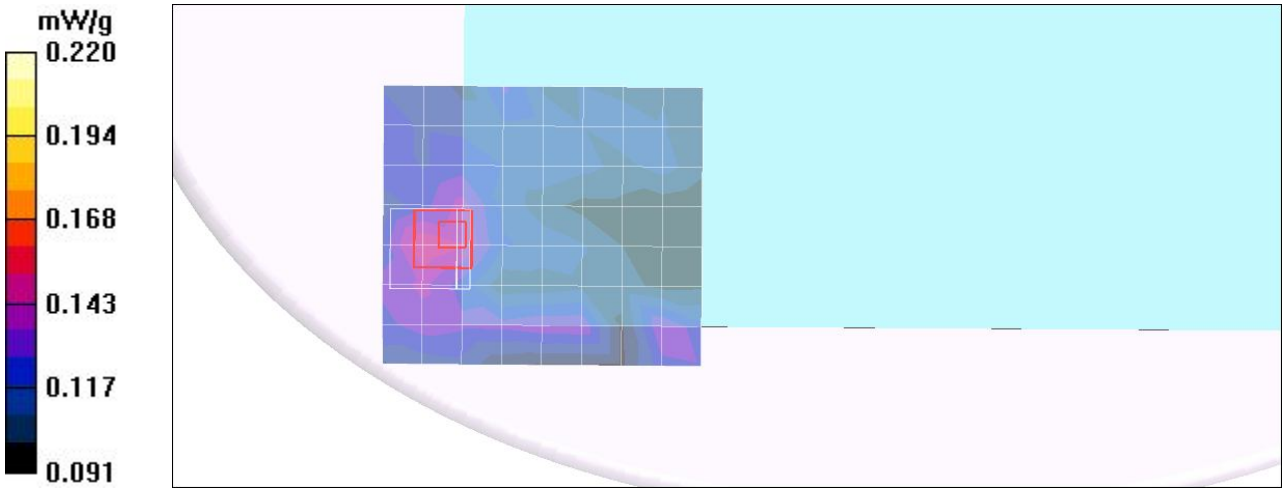
- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

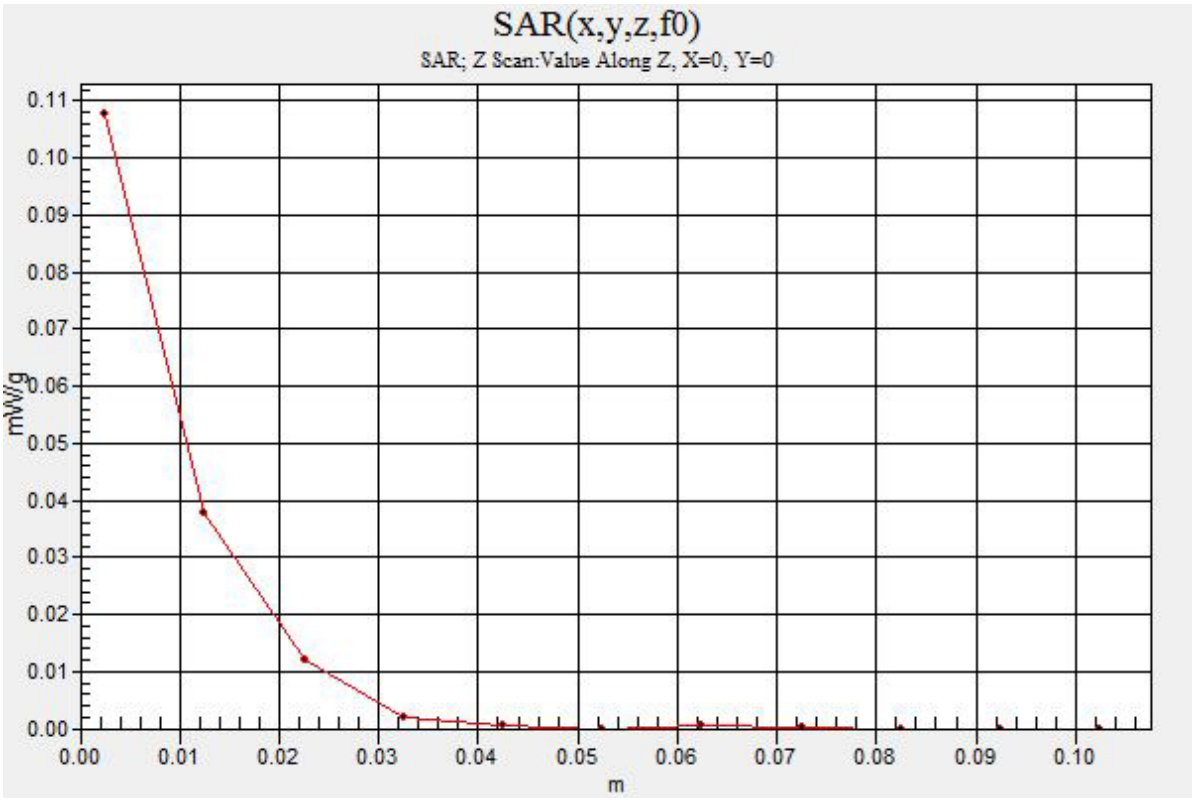
Bottom Middle CH6 aux/Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.152 mW/g

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

Reference Value = 5.88 V/m; Power Drift = -0.107 dB
Peak SAR (extrapolated) = 0.232 W/kg
SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.105 mW/g
Maximum value of SAR (measured) = 0.214 mW/g




SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
m
0.11
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10

Date/Time: 2012/3/13 11:06:28 AM

Test Laboratory: Compliance Certification Services Inc.

80211n HT20 Bottom Flat AR5B197 Y480 FCC

Communication System: IEEE 802.11n WLAN HT20; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.97 mho/m; ε_r = 51.4; ρ = 1000 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:

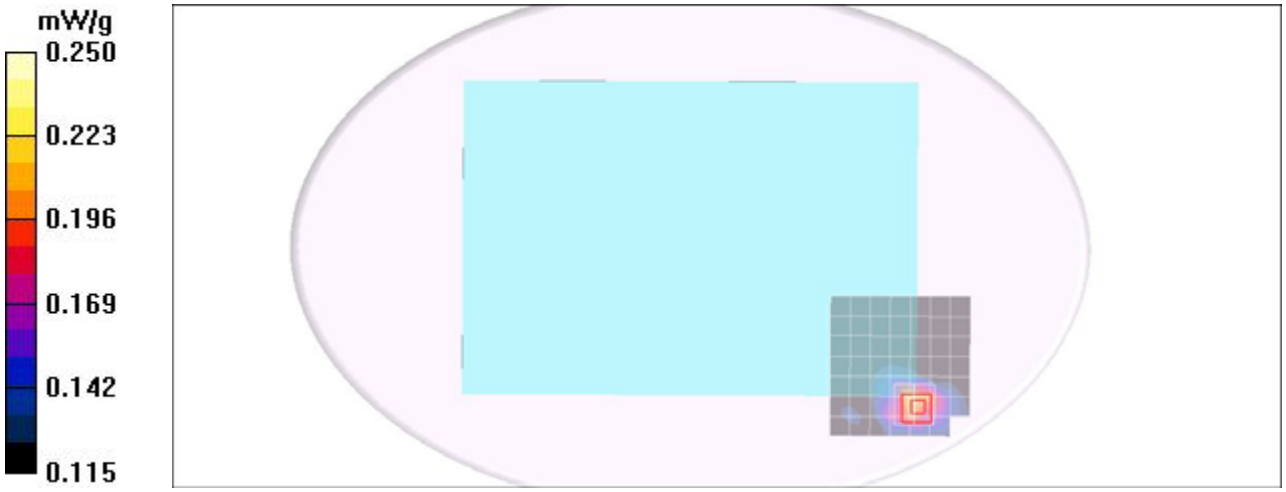
- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (measured) = 0.224 mW/g

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

Reference Value = 6.65 V/m; Power Drift = -0.082 dB
Peak SAR (extrapolated) = 0.404 W/kg
SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.192 mW/g
Maximum value of SAR (measured) = 0.320 mW/g



Date/Time: 2012/3/13 11:06:28 AM

Test Laboratory: Compliance Certification Services Inc.

80211n HT20 Bottom Flat AR5B197 Y480 FCC

Communication System: IEEE 802.11n WLAN HT20; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.97 mho/m; ε_r = 51.4; ρ = 1000 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:

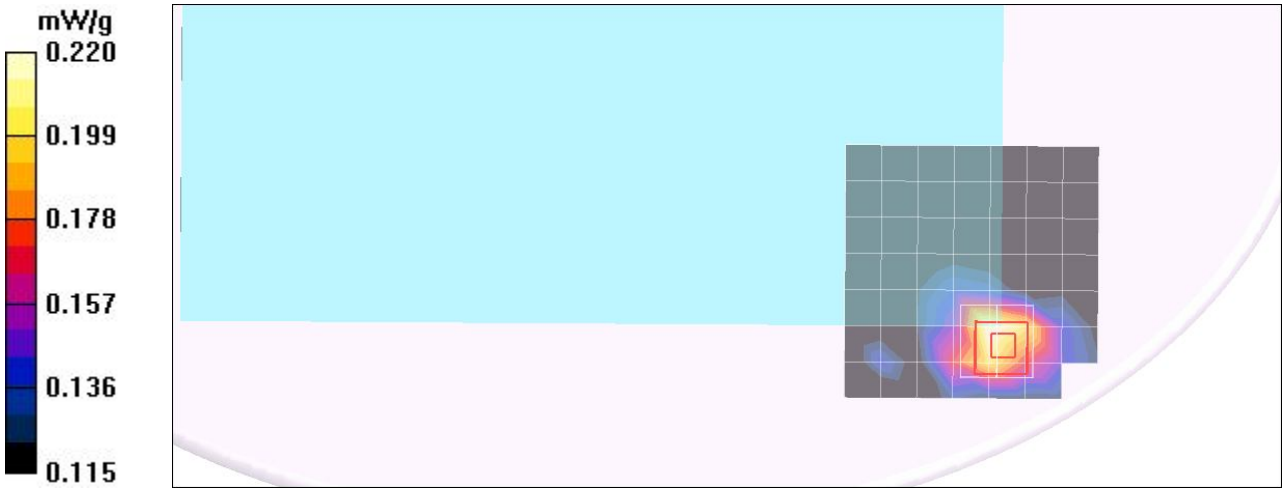
- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (measured) = 0.224 mW/g

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

Reference Value = 6.65 V/m; Power Drift = -0.082 dB
Peak SAR (extrapolated) = 0.404 W/kg
SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.192 mW/g
Maximum value of SAR (measured) = 0.320 mW/g



Date/Time: 2012/3/13 12:05:02 PM

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; σ = 1.97 mho/m; ε_r = 51.4; ρ = 1000 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:

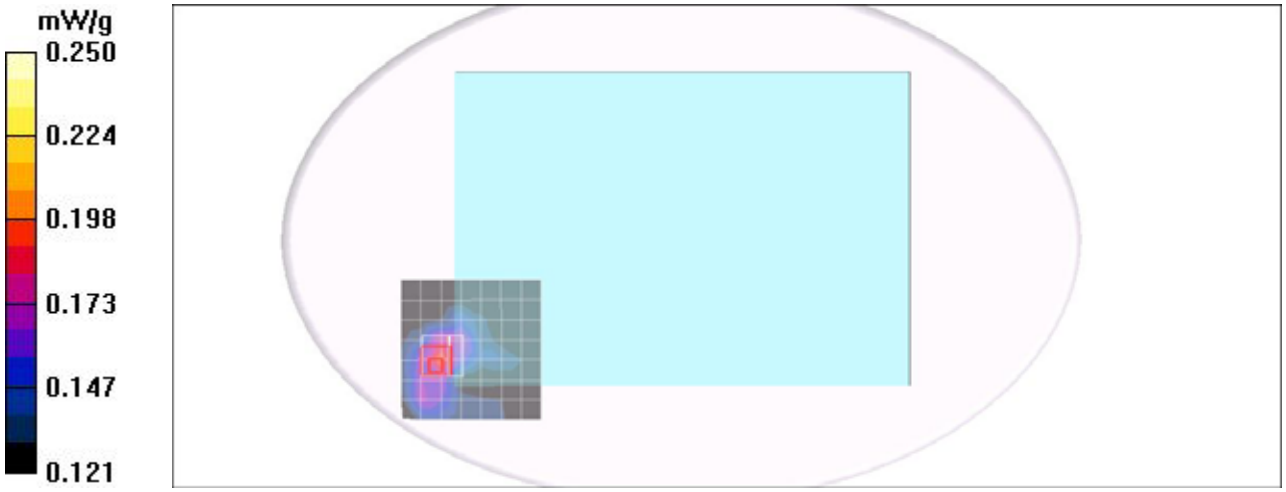
- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (measured) = 0.202 mW/g

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

Reference Value = 7.12 V/m; Power Drift = -0.091 dB
Peak SAR (extrapolated) = 0.246 W/kg
SAR(1 g) = 0.181 mW/g; SAR(10 g) = 0.157 mW/g
Maximum value of SAR (measured) = 0.209 mW/g



Date/Time: 2012/3/13 12:05:02 PM

Test Laboratory: Compliance Certification Services Inc.

80211n HT20 Bottom Flat AR5B197 Y480 FCC

Communication System: IEEE 802.11n WLAN HT20; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.97 mho/m; ε_r = 50.4; ρ = 1000 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) = 0.202 mW/g

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

Reference Value = 7.12 V/m; Power Drift = -0.131 dB
Peak SAR (extrapolated) = 0.246 W/kg
SAR(1 g) = 0.181 mW/g; SAR(10 g) = 0.157 mW/g
Maximum value of SAR (measured) = 0.209 mW/g