

Test Laboratory: Compliance Certification Services Inc.

802.11b Rate 1M_Edge C

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

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ 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 Sn913; Calibrated: 2011/12/23
- Phantom: Flat Phantom EL14.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Edge C Middle CH6/Area Scan (5x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.709 mW/g

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

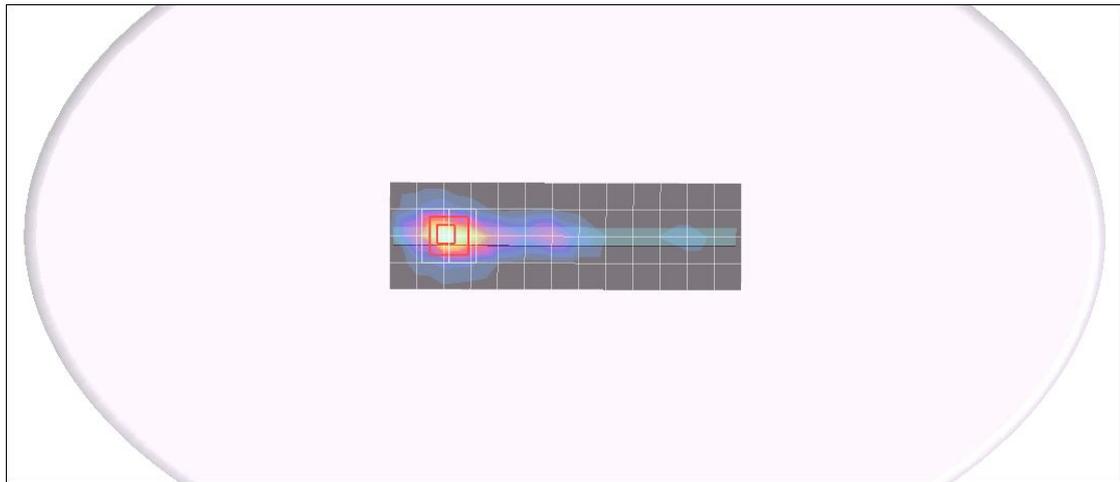
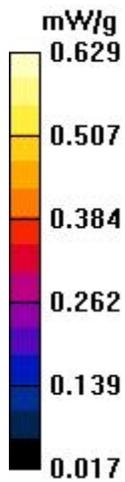
dz=3mm

Reference Value = 11.2 V/m; Power Drift = -0.100 dB

Peak SAR (extrapolated) = 0.908 W/kg

SAR(1 g) = **0.448 mW/g**; SAR(10 g) = **0.214 mW/g**

Maximum value of SAR (measured) = 0.629 mW/g



Test Laboratory: Compliance Certification Services Inc.

802.11b Rate 1M_Edge A

Communication System: IEEE 802.11b WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.92$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ 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 Sn913; Calibrated: 2011/12/23
- Phantom: Flat Phantom EL14.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Edge A Low CH1/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.15 mW/g

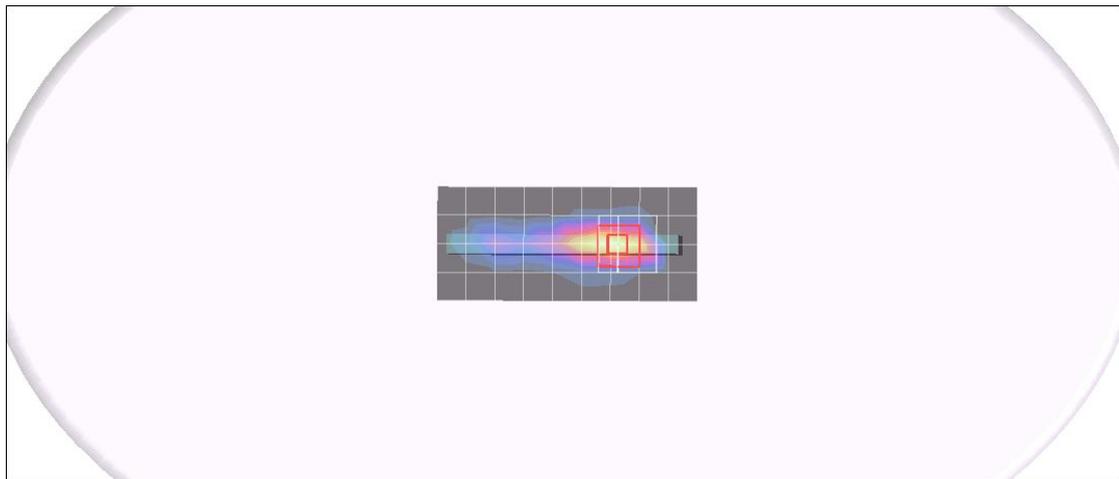
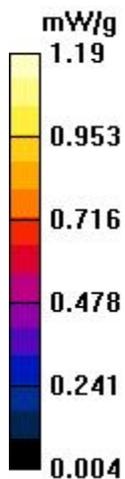
Edge A Low CH1/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 19.0 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 0.781 mW/g; SAR(10 g) = 0.338 mW/g

Maximum value of SAR (measured) = 1.19 mW/g



Test Laboratory: Compliance Certification Services Inc.

802.11b Rate 1M_Edge A

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

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ 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 Sn913; Calibrated: 2011/12/23
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Edge A Middle CH6/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.16 mW/g

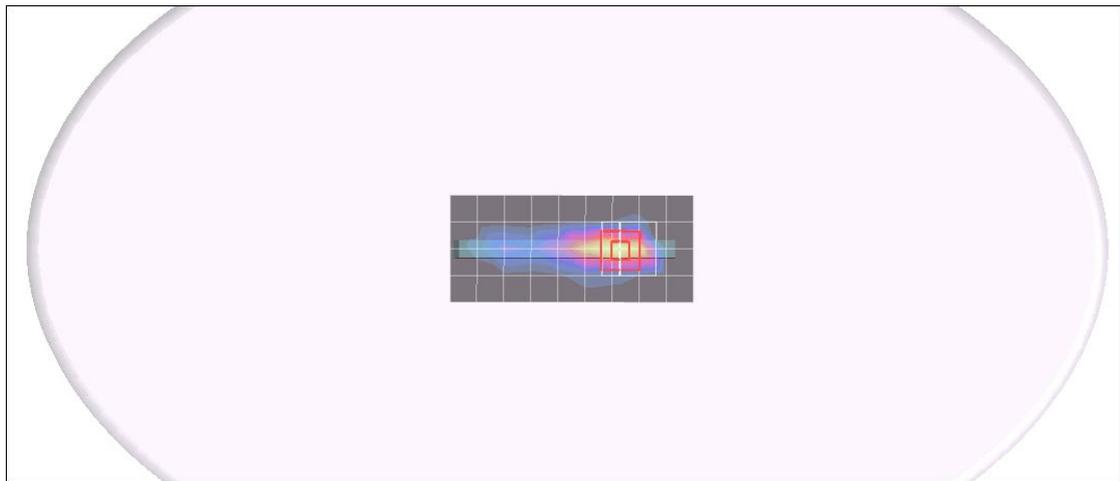
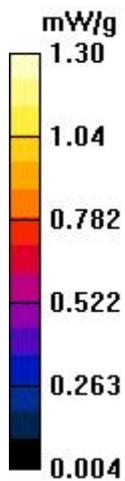
Edge A Middle CH6/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 18.5 V/m; Power Drift = 0.065 dB

Peak SAR (extrapolated) = 2.12 W/kg

SAR(1 g) = 0.843 mW/g; SAR(10 g) = 0.360 mW/g

Maximum value of SAR (measured) = 1.30 mW/g



Test Laboratory: Compliance Certification Services Inc.

802.11b Rate 1M_Edge A

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

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ 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) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Edge A High CH11/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.48 mW/g

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

Reference Value = 21.8 V/m; Power Drift = -0.024 dB

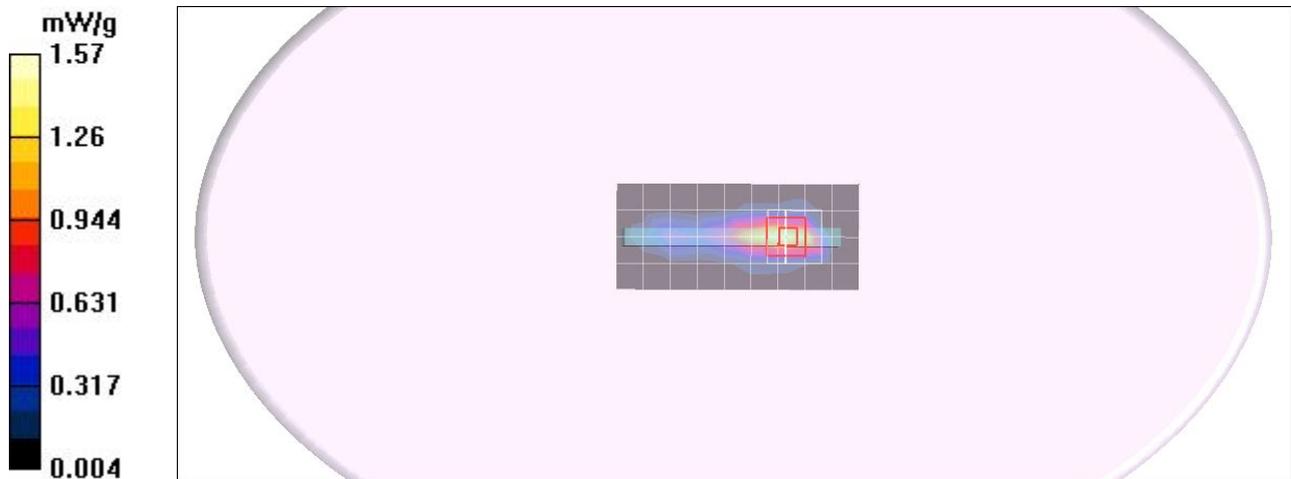
Peak SAR (extrapolated) = 2.58 W/kg

SAR(1 g) = 1.020 mW/g; SAR(10 g) = 0.436 mW/g

Maximum value of SAR (measured) = 1.57 mW/g

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

Maximum value of SAR (measured) = 0.311 mW/g



Test Laboratory: Compliance Certification Services Inc.

802.11b Rate 1M_Rear Side

Communication System: IEEE 802.11b WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412$ MHz; $\sigma = 1.92$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ 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:

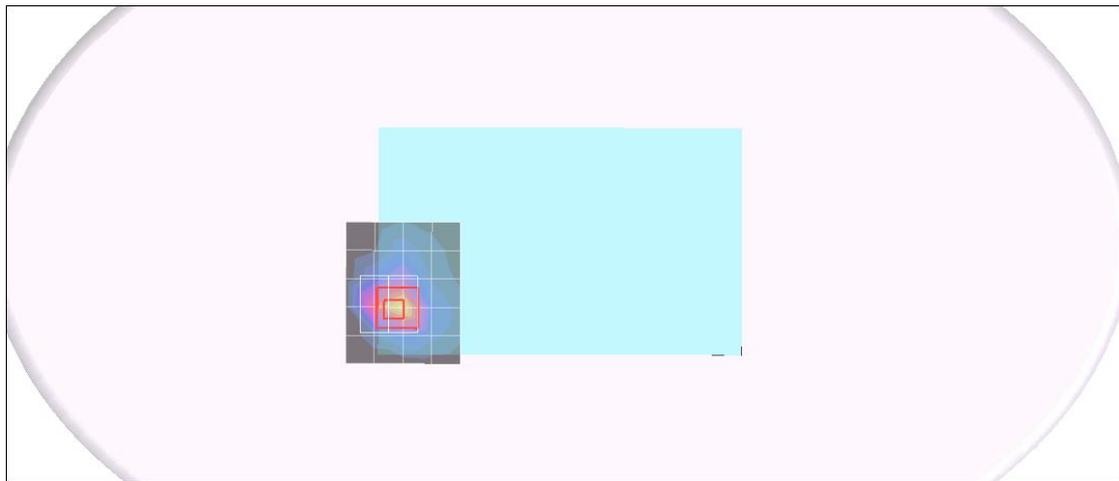
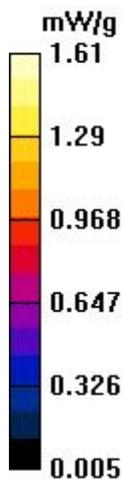
- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: Flat Phantom EL14.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Side Low CH1/Area Scan (6x5x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.28 mW/g

Rear Side Low CH1/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 0.372 V/m; Power Drift = 0.105 dB
Peak SAR (extrapolated) = 2.88 W/kg
SAR(1 g) = 1.020 mW/g; SAR(10 g) = 0.414 mW/g
Maximum value of SAR (measured) = 1.61 mW/g



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802.11b Rate 1M_Rear Side

Communication System: IEEE 802.11b WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ 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:

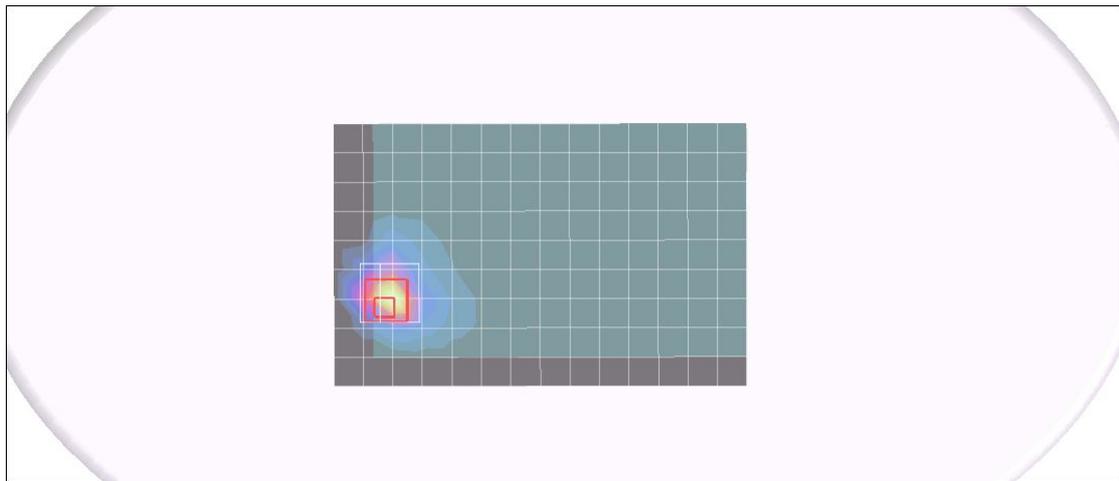
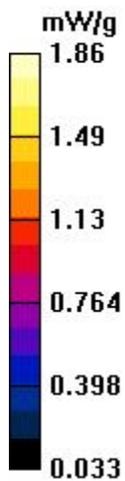
- Probe: EX3DV4 - SN3554; ConvF(6.18, 6.18, 6.18);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: Flat Phantom EL14.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Side Middle CH6/Area Scan (10x15x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.85 mW/g

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

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.57 V/m; Power Drift = 0.109 dB
Peak SAR (extrapolated) = 3.30 W/kg
SAR(1 g) = 1.120 mW/g; SAR(10 g) = 0.463 mW/g
Maximum value of SAR (measured) = 1.86 mW/g



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802.11b Rate 1M_Rear Side

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Medium parameters used: $f = 2462$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ 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) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: Flat Phantom EL14.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Side High CH11/Area Scan (6x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.70 mW/g

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

Reference Value = 4.18 V/m; Power Drift = -0.073 dB

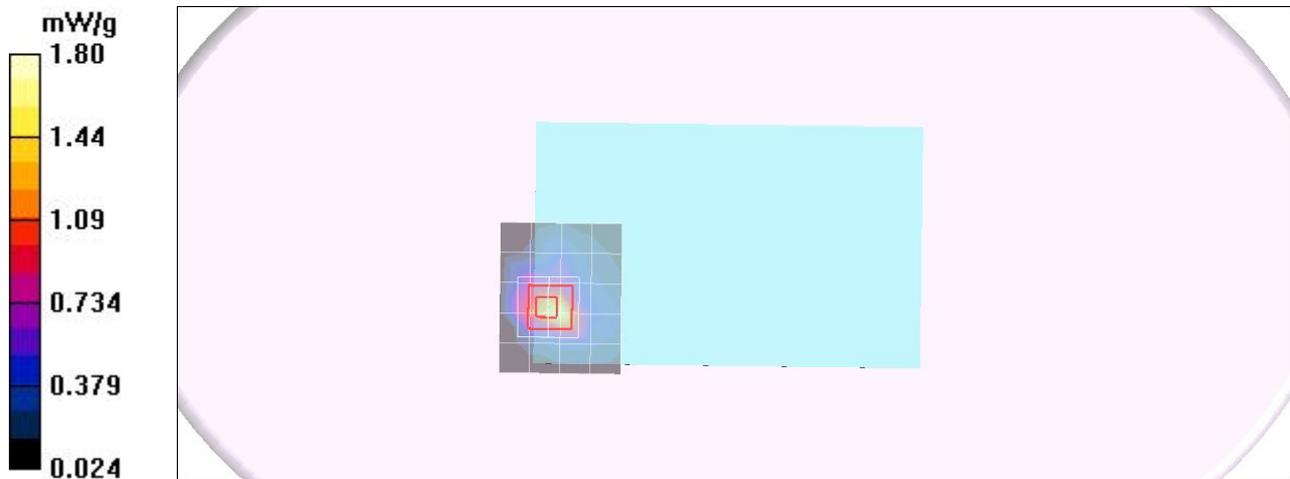
Peak SAR (extrapolated) = 4.01 W/kg

SAR(1 g) = 1.340 mW/g; SAR(10 g) = 0.552 mW/g

Maximum value of SAR (measured) = 2.21 mW/g

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

Maximum value of SAR (measured) = 2.25 mW/g



SAR(x,y,z,f0)

SAR; Z Scan: Value Along Z, X=0, Y=0

