

Test Laboratory: Compliance Certification Services

## Lapheld

DUT: Broadcom PCI-E Mini card; Type: 802.11bg; Serial: N/A

Communication System: 802.11bg; Frequency: 2437 MHz; Duty Cycle: 1:1.03  
 Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 50.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3554; ConvF(6.14, 6.14, 6.14); Calibrated: 4/24/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection) Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**B mode Lapheld ACON - M ch/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

**B mode Lapheld ACON - M ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 3.34 V/m; Power Drift = 0.043 dB

Peak SAR (extrapolated) = 0.081 W/kg

**SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.040 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.069 mW/g

**B mode Lapheld ACON - M ch/Zoom Scan 2 (7x7x9)/Cube 0:** Measurement grid:

dx=5mm, dy=5mm, dz=3mm

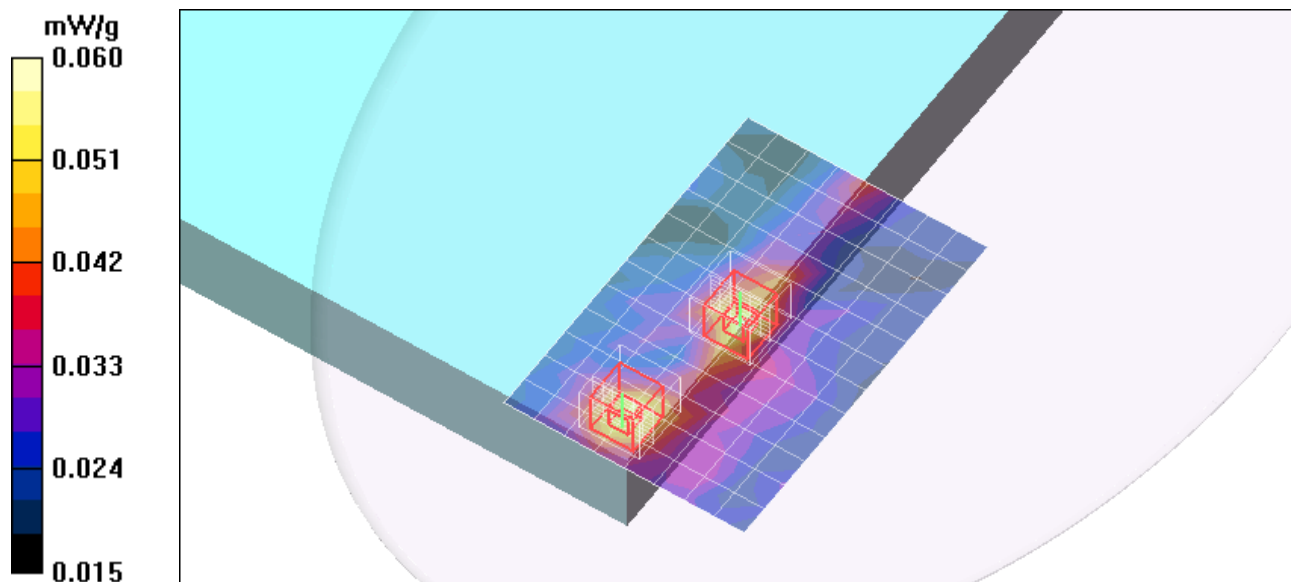
Reference Value = 3.34 V/m; Power Drift = 0.043 dB

Peak SAR (extrapolated) = 0.074 W/kg

**SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.039 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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



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Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 50.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 23.0 deg. C; Liquid Temperature: 22.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3554; ConvF(6.14, 6.14, 6.14); Calibrated: 4/24/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection) Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**B mode Lapheld Amphonel - M ch/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.217 mW/g

**B mode Lapheld Amphonel - M ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.20 V/m; Power Drift = -0.183 dB

Peak SAR (extrapolated) = 0.176 W/kg

**SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.106 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.170 mW/g

