



STATEMENT

This filing constitutes a formal submittal and request for product certification pursuant to Subpart C & E of Part 15 of FCC rules (CFR 47) regarding intentional radiators.

COMPANY NAME: Broadcom Corporation

FCC ID: QDS-BRCM1015

SUBJECT:

WLAN mini PCI multiband card (incorporating 2.4GHz & 5GHz radios) Model# BRCM94309MP in Dell Laptop Models PP09L & PP14L (mobile platforms)

WLAN was tested for spurious emissions in both DSSS & OFDM modes at different data rates (1, 2, 5.5, 6, 11, and 54) to ensure compliance of the whole device. Test report shows only worst-case test results of all data rates.

ANTENNA DETAILS

All radiated measurements were done on following antenna and laptop combinations in both 2.5 & 5GHz bands;

| BCM94309MP antenna list | | | | | | |
|-------------------------|----------------------------|----------|--------------------|---|--------------------------|------------------------|
| No | Dell Model (Internal Name) | Supplier | Antenna Type | Model number | Max Peak gain 2.4GHz/dBi | Max Peak Gain 5GHz/dBi |
| 1 | Dell PP09L | Hitachi | PIFA stamped Metal | HFT08-DL-AS (Antenna side) HFT08-DL-MS (Module side) | 2.9 (Aux) | 2.8 (Main) |
| 2 | Dell PP14L | Hitachi | PIFA stamped Metal | HFT17-DL03 | Main 1.5 (H) | Main 5.1 (V) |

SUMMARY OF TEST REPORTS

PP09L

Test report no. EMC_797FCC15.247_2004_PP09L

This test report covers all testing done in 2.4GHz band on Dell Laptop Model# PP09L with 2.9dBi max. gain Hitachi Antenna.

Test report no. EMC_797FCC15.407_2004_5180_5320_PP09L

This test report covers all testing done in 5180-5320MHz band on Dell Laptop Model# PP09L with 2.8dBi max. gain Hitachi Antenna.

Test report no. EMC_797FCC15.407_2004_5745_5825_PP09L

This test report covers all testing done in 5745-5825MHz band on Dell Laptop Model# PP09L with 2.8dBi max. gain Hitachi Antenna.

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PP14L

Test report no. EMC_797FCC15.247_2004_PP14L

This test report covers all testing done in 2.4GHz band on Dell Laptop Model# PP14L with 1.5dBi max. gain Hitachi Antenna.

Test report no. EMC_797FCC15.407_2004_5180_5320_PP14L

This test report covers all testing done in 5180-5320MHz band on Dell Laptop Model# PP14L with 5.1dBi max. gain Hitachi Antenna.

Test report no. EMC_797FCC15.407_2004_5745_5825_PP14L

This test report covers all testing done in 5745-5825MHz band on Dell Laptop Model# PP14L with 5.1dBi max. gain Hitachi Antenna.

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