

STATEMENT

This filing constitutes a formal submittal and request for Class-II permissive change pursuant to Subpart C & E of Part 15 of FCC rules (CFR 47) regarding changes to intentional radiators.

A change is being proposed to following existing FCC grant:

Company Name: Broadcom Corporation

FCC ID: QDS-BRCM1007

WLAN mini PCI multiband card (incorporating 2.4GHz & 5GHz radios) Model# BRCM94309MP in Dell Laptop Models PP05X, PP07L, PP02X, PP04S, PPT, PP10L.

CLASS-II PERMISSIVE CHANGES

Changes made to WLAN mini PCI card are detailed under attached document **“Manufacturer’s Declaration”**

ANTENNA DETAILS

- **EMC:** All radiated measurements were done on worst-case antenna platforms, i.e. PP05X with 5.6dBi Hitachi Antenna for 5GHz band
PP10L with 2.9dBi Phycomp Antenna for 2.4GHz band.
- **SAR:** Based upon the worst-case configurations from the original QDS-BRCM1007 filing, 5GHz SAR testing was performed on PP02X with WNC antenna and 2.4GHz testing was performed on PPT with WNC antenna.

| Dell Model (Internal Name) | Supplier | Max Peak Gain 5GHz | Max Peak gain 2.4GHz/dBi | Model number |
|----------------------------|------------------|---------------------------------|-----------------------------|--|
| 1 - Dell PP05X (Bondi) | Wistron NeWeb | Main- 4.62 dBi, Aux- 2.31dBi | Main- 2.18 Aux- 2.26 | CA5-Q |
| 2 -Dell PP05X (Bondi) | Hitachi | Main- 5.6dBi, Aux- 4.9dBi | Main- 1.2 Aux- .9 | HFT01-DL01 |
| 3 -Dell PP07L (Abacus) | Phycomp | 3.9 | 2.2 | 4313 334 01250 Left Antenna. 4313 334 02250 Right Antenna |
| 4 - Dell PP07L (Abacus) | Wistron NeWeb | 4.5 | 2.55 | CAA-C |
| 5 - Dell PP02X (Lindbergh) | Hitachi | Main- 2.3 dBi Aux- 4.9 dBi | 1.1 | Main Antenna HFT04-DL01- MAIN Aux Antenna HFT04-DL01-AUX |
| 6 - Dell PP02X (Lindbergh) | Wistron NeWeb | Main- 3.29 dBi Aux- 3.47 dBi | 2.39 | CA9-C |
| 7 - Dell PP04S (Blade) | Wistron NeWeb | 3.20 | 1.22 | CA0-S |
| 8 - Dell PP04S (Blade) | Hitachi | 3.7 | 1.7 | HFT-06 |
| 9 -Dell PPT (Pebble) | Wistron NeWeb | 4.09 | 2.59 | CAB-A |
| 10 - Dell PP10L (P2) | Phycomp | 3.1 | 2.9 | 4313 351 012501 Main Antenna. 4313 351 032501 Aux Antenna |
| 11 - Dell PP10L (P2) | Wistron NeWeb | 4.49 | 1.51 | EBB-Q |

SUMMARY OF TESTING

EMC/Radio Test Reports:

Test report no. EMC_573FCC15.247_2003

This test report covers all testing done in 2.4GHz band on Dell Laptop Model# PP10L with 2.9dBi max. gain Phycomp Antenna.

Test report no. EMC_573FCC15.407_2003

This test report covers all testing done in 5GHz band on Dell Laptop Model# PP05X with 5.6dBi max. gain Hitachi Antenna.

SAR Test reports:

Test report no. SAR_573_2003_FCC_2450

This test report covers SAR testing done in 2.4GHz band on Dell Laptop Model# PPT with WNC antenna.

Test report no. SAR_573_2003_FCC_5000

This test report covers SAR testing done in 5GHz band on Dell Laptop Model# PP02X with WNC antenna.



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