

STATEMENT

This filing constitutes a formal submittal and request for Class-II permissive change pursuant to Subpart 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 PP05L, PP07L, PP02X, PP04S, PPT, PP10L.

CLASS-II PERMISSIVE CHANGES

Changes made to WLAN mini PCI card are detailed under attached document

“Declaration_5745_5805”

ANTENNA DETAILS

- **EMC:** All radiated measurements were done on worst-case antenna platforms, i.e. PP05L with 5.6dBi Hitachi Antenna for 5GHz band
- **SAR:** Based upon the worst-case configurations from the original QDS-BRCM1007 filing, 5GHz SAR testing was performed on PP02X with WNC antenna

Dell Model (Internal Name)	Supplier	Max Peak Gain 5GHz	Max Peak gain 2.4GHz/dBi	Model number
1 - Dell PP05L (Bondi)	Wistron NeWeb	Main- 4.62 dBi, Aux- 2.31dBi	Main- 2.18 Aux- 2.26	CA5-Q
2 -Dell PP05L (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

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SUMMARY OF TESTING***Test report no. EMC_573FCC15.407_2003_5745_5805***

This test report covers all testing done in 5745 – 5805GHz band on Dell Laptop Model# PP05L with 5.6dBi max. gain Hitachi Antenna.

SAR Test reports:***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.

Following data is already in FCC data base under FCC ID: QDS-BRCM1007

- **For test results in Lower and Middle bands (5180 to 5320MHz) please refer to test report#**
EMC_573FCC15.407_2003
- **For test results in 2.4GHz band please refer to test report#**
EMC_573FCC15.247_2003
- **For 2.4GHz band SAR please refer to Test report no.**
SAR_573_2003_FCC_2450



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