

STATEMENT

Reference No. EA279300

All documentation filed under this submission is related to NII (5.0GHz) part only

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

A change is being proposed to the following existing FCC grant:

Company Name: Broadcom Corporation

FCC ID: QDS-BRCM1007

WLAN Model# BCM94309MP in Dell Laptop Model# PP05L & PP02X

CLASS II PERMISSIVE CHANGES (Laptop-I)

New host **Dell Laptop Model# PP07L** with two antennas. All other radio parameters remain same.

Antenna Type	Peak Antenna Gain (dBi)	
	2.4GHz Band	5.0GHz Band
Wistron NeWeb	2.55	4.5
Phicomp	2.2	3.9

SUMMARY OF TESTING

Since BCM94309MP is presently certified for use in other Dell laptop models, following testing has been performed to demonstrate that it continues to comply with FCC Part 15 limits for intentional radiators.

EMC/Radio Test Reports:

Test report no. R50627 & R50629

The above-mentioned test reports cover Radiated spurious emissions and radiated Band Edge compliance. All radiated measurements were done in both 2.4GHz & 5.0GHz frequency bands with Wistron NeWeb Antenna with max. Peak antenna gain in both the bands. In addition peak conducted power was measured in both the bands to confirm Transmitter functionality at max. power level.

SAR Test Reports:

Test report no. SAR_460_2003_FCC_2450

This test report cover SAR testing in 2.4GHz range with Wistron NeWeb Antenna.

Test report no. SAR_461_2003_FCC_2450

This test report cover SAR testing in 2.4GHz range with Phycomp Antenna.

Test report no. BRQ_003_SAR

This test report cover SAR testing in 5.0GHz range with both Wistron NeWeb and Phycomp Antennas.

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CLASS II PERMISSIVE CHANGES (Laptop-II)

New host **Dell Laptop Model# PPT** with one antenna. All other radio parameters remain same.

Antenna Type	Peak Antenna Gain (dBi)	
	2.4GHz Band	5.0GHz Band
Wistron NeWeb	2.59	4.09

SUMMARY OF TESTING

Since BCM94309MP is presently certified for use in other Dell laptop models, following testing has been performed to demonstrate that it continues to comply with FCC Part 15 limits for intentional radiators.

EMC/Radio Test Reports:

Test report no. EMC_452_FCC15.247-407_2003

The above-mentioned test report cover Radiated spurious emissions, radiated Band Edge compliance, and AC line conducted emissions. All radiated measurements were done in both 2.4GHz & 5.0GHz frequency bands. In addition peak conducted power was measured in both the bands to confirm Transmitter functionality at max. power level.

SAR Test Reports:

Test report no. SAR_452_2003_FCC_2450

This test report cover SAR testing in 2.4GHz range.

Test report no. BRQ_003_SAR

This test report cover SAR testing in 5.0GHz range.