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Reference:

FCC ID: PD9512BGM
IC Identifier: 1000M-512BGM
Model Number: 512BG_MMW

To whom it may concern:

The enclosed documents constitute a formal submittal and application for a Limited Modular Approval (limited to OEM installation into laptops and similar with antenna separation of 20cm or more) for an unlicensed, wireless LAN card pursuant to the following rules:

Subpart B of Part 15 of FCC Rules (CFR 47), Class B PC peripheral
Subpart C of Part 15 of FCC Rules (CFR 47), DTS Devices
RSS-210, Issue 7, June 2007, "Low-power Licence-exempt Radiocommunication Devices (All Frequency Bands): Category I Equipment"

The module operates in the 2.4 GHz and 5.7 GHz bands allocated by the FCC for Digital Transmission Systems and by Industry Canada for Spread Spectrum transmitters.

The device supports SISO and MISO modes of operation, having two receive chains and a single transmit chain. Both single- and dual-chain receiver modes were evaluated. The device supports legacy 802.11 modes (a, b and g). The module is the same circuitry as on Intel's 512_AN_MMW and the only difference between the two cards is in the EEPROM programming (to disable the n-modes and 5Ghz operational features) and label markings/content. The test report submitted to support this application is based on testing performed on the 512_AN_MMW.

Elliott Laboratories, as duly authorized agent prepared this submittal. A copy of the letter of our appointment as agent is included with the application.

If there are any questions or if further information is needed, please contact Elliott Laboratories for assistance.

Sincerely,

Mark Briggs
Principal Engineer

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