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Reference: FCC ID: PD9512ANMU  
IC Identifier: 1000M-512ANMU,

Canadian Model #: 512ANMU

To whom it may concern:

The enclosed documents constitute a formal submittal and application for a Modular Approval (to cover OEM installation into laptops and similar mobile hosts 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  
Subpart E of Part 15 of FCC Rules (CFR 47), UNII Devices  
RSS-210, Issue 7, June 2007, “Low-power Licence-exempt Radiocommunication Devices (All Frequency Bands): Category I Equipment”

The module operates in the 5150 – 5250 MHz, 5250 – 5350 MHz and 5470 – 5725 MHz frequency bands under the FCC allocations and rules for U-NII devices and Industry Canada rules for LELAN devices. It also 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) plus 20 MHz and 40 MHz 802.11n modulation schemes.

We are requesting the grant allow for OEM installation and, for specific OEMs (Hewlett Packard), the ability for end-user installation of the module by virtue of the use of a BiOSs lock mechanism to ensure that the module only operates in the appropriate host devices. A description of the BiOS lock mechanism is detailed as part of the Operational Description exhibits and is to be held confidential.

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  
MB/