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Reference:

FCC ID: PD9LEN512ANMU
IC Identifier: 1000M-L512ANMU
Canadian Model #: L512ANMU

To whom it may concern:

The enclosed documents constitute a formal submittal and application for a Limited Modular Approval (limited to end user 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
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"

Modular approval is limited to OEM or end user installation into mobile host devices. User installation is requested based on the fact that the device uses a BIOS lock to ensure it is only installed in the intended host systems. A detailed description of the BIOS Lock feature is provided as an Operational Description exhibit which is to be held confidential.

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.

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/