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August 7, 2006

Northwest EMC, Inc.
22975 NW Evergreen Parkway, #400
Hillsboro, OR 97124
% Vicki Albertson

Re: Applicant: Itronix, Corporation
FCC ID: KBCIX270-WL3945

- 1.) Class II Permissive Change to the referenced Limited Modular Certification for the Intel, PRO/Wireless 3945ABG Network Connection on a PCIe Mini-Card.
- 2.) Co-location with the FCC ID: KBCIX270-MC8765 (WAN), KBCIX270-MC5720 (WAN) and the KBCIX270-BT2022 (Bluetooth).

TCB Committee,

On behalf of Itronix Corporation we request a Class II Permissive Change to the Limited Modular Certification of the embedded Intel, Model: PRO/Wireless 3945ABG, Network Connection card installed in the IX270 Rugged PC under rule Parts 15C and 15E. The purpose of the change is to add four new antennas to the current Certification: Two internal, ABG antennas, (one MAIN and one AUX) and two external vehicular magnetic mount, BG only antennas.

We request that this Certification includes Co-location with the three above referenced Limited Modular Certified Intentional Radiators. Exhibits supporting this request are submitted with this application.

NW EMC, Inc. measured the radiated spurious and band edges for each antenna combination covering the requirements for integration of this embedded module into the IX270 host.

The IX270 Vehicle Mount option extends many of the PC I/O ports and the switches the RF output of the WAN radio to an external antenna. Placing the IX270 in the cradle automatically causes the cradle contact board to switch the output of the WL3945 transmitter from the internal antenna located in the PC display, to and through the IX270 Vehicle Mount to an SMA connector and then to the external antenna. The external vehicular antenna sold by Itronix with this package is either a 3 or 5 dBi gain antenna manufactured by MaxRad Model: MAXC24503 or BMAXC24505 respectively along with the Model: LMR195 vehicle antenna 3/4" magnetic mount and 17 ft of coax.

Please let me know if you should require any further information.

Best Regards,

A handwritten signature in blue ink that reads "Rod Munro".

Rod Munro

Agent, Itronix Corp.
President, Spectrum Technology, Inc.

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