May 17, 2007

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

Re: Applicant: General Dynamics Itronix Corporation

FCC ID: KBCIX-MC8765

1.) Limited Modular Certification for the Sierra Wireless, Inc. Model: MC8775, PCI Express Mini-Card Model: MC8775, 3-G enabled EDGE, GPRS, and GSM, dual band UMTS, HSDPA, Release 5, embedded in Itronix Model: IX605 Rugged Laptop PC and use with optional IX605 Vehicle Mount. 2.) Co-location with the FCC ID: KBCIX-4965AGN, an 802.11 A,B,G,N, WLAN.

TCB Committee,

The IX605 Rugged Host PC is a platform designed for use with several different radio types. These may include one or more of the following radio types: Bluetooth, WLAN and WAN (either CDMA or GSM).   Certification applications are pending for, but not limited to all combinations of the following devices listed by FCC ID(s): KBCIX-4965AGN (WLAN), KBCIX-BT-52 (Bluetooth), KBCIX-MC5725 (WAN), and KBCIX-MC8775 (WAN). Only one radio of each type, Bluetooth, WLAN or WAN, can be installed and used at a time.   Co-located MPE calculations and other exhibits for each possible combination are included in the applicable Certification filings.

The scope of this specific application is detailed in the following three paragraphs.

On behalf of General Dynamics Itronix Corporation we request a Limited Modular Certification for the Sierra Wireless, PCI Express Mini-Card, Model: MC8775; embedded in the IX605 Rugged PC under Parts 22H & 24E.

We also request that this Certification include Co-location with the above referenced Limited Modular Certified Intentional radiator.   Exhibits supporting this request are submitted with this application.

We would like to reference the OEM, Sierra Wireless, Inc. Modular Certification test report prepared by CCS for all of the conducted test data.   The radiated spurious and ERP/EIRP measurements made by NW EMC, Inc. would cover the integration of the MC8775 embedded module into the IX605 host with two new antenna combinations.

The IX605 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 IX605 in the cradle automatically causes the cradle contact board to switch the output of the MC8775 transmitter from the internal antenna located in the PC display, to and through the IX605 Vehicle Mount to an SMA connector and then to the external antenna. The external vehicular antenna sold by Itronix with this package is a 3 dBi gain antenna manufactured by MaxRad Model: BMLPVDB800/1900 along with the Model: LMR195 vehicle antenna ¾" magnetic mount with 17 ft of coax.

Best Regards,

Rod Munro
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President, Spectrum Technology, Inc.

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