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February 4, 2009

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

Re: **Applicant: General Dynamics Itronix, Corporation**
FCC ID: KBCIX-512AN

- 1) New Limited Modular Certification for the FCC ID: KBCIX-512AN. An 802.11 (a, b, g, n,) WLAN, INTEL Model: 512AN, embedded in the Model: GD8000 and used with a new external MaxRad antenna.
- 2) Co-configured with the FCC ID: KBCIX-WT11. A Bluetooth 2.0 EDR, WPAN module, embedded in the host Model: GD8000.

TCB Committee,

On behalf of General Dynamics Itronix, Corporation we request a New Limited Modular Certification for the KBCIX-512AN, WLAN to cover its operation under rule Parts 15C and 15E when embedded within the new host Model: GD8000 Rugged Laptop PC and used with a new external antenna. The Intel WLAN has a full modular approval which covers the embedded PIFA antennas within the host.

We would like to reference the Intel Corporation, Certification test reports prepared by Elliott Laboratories, Inc. for all of the conducted and radiated test data currently on file. The Part 15C report is identified as File: R71536 Rev2 and the Part 15E test report as File: R71536 Rev2.

We wish to reference the measurements made by Northwest EMC, Inc., to cover the integration of the IX-512AN module within the GD8000 and operated when placed in the GD8000 Vehicle Mount which uses the MaxRad (PCTEL) Model: MAXC24505, 5 dBi gain external magnetic mount antenna.

The required exhibits and MPE calculations supporting this request are submitted along with this application. The OEM MPE exhibit is submitted supporting compliance with the GD8000 internal antennas as the new GD8000 PIFA antenna have lower gain in each band than the original antennas, the MPE calculation remains unchanged from the calculation in the original filing. The MPE is provided in a separate exhibit for the external 5 dBi gain, MaxRad 2.4 – 2.5 GHz band antenna which is used when the GD8000 is placed in the GD8000 Vehicle Mount.

We also request this Certification to include co-configuration with the above referenced Limited Modular Certified Bluetooth module the FCC ID: KBCIX-WT11, under rule parts 15C.

Thank you for your review and consideration of this application. Please let me know if you require any further information.

Best Regards,

Rod Munro
Agent, General Dynamics Itronix, Corporation.
President, Spectrum Technology, Inc.

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