28 Aug 2006

Stuart Beck,
Director of Certification,
Nemko Canada Inc.,
303 River Road,
Ottawa, Ontario K1V 1H2

Dear Stuart,

RE: Industry Canada Submission 4309B-915B and FCC Submission KIN-915B

We are requesting that Nemko Canada review and certify our 915B Radio module as a Limited Modular Approval (LMA), Digital Transmission System under FCC Part 15 and RSS-210 with its three antenna types.

We have worked with Mr. Russell Grant and yourself to ensure that the data being presented is correct and representative. We are submitting our test data in two reports, one from ETC/MPB Technologies and one from your lab, NEMKO Canada.

- The ETC test report is a complete report for FCC and IC submission for an earlier version of the 915B radio module, with the testing for a unit in a metal chassis. In this test report and cover sheet, the units is referred to as the CCU3100, which is one of the products containing the 915B Radio Module.
- The NEMKO test report provides test results on the current 915B radio module as a standalone bare module with no chassis. This test data shows that the 915B radio module can qualify under the LMA provisions of FCC and IC. It also shows that the test results for the antennas tested at ETC apply to the current 915B radio module

The specific changes between the original 915B radio module as reported in the ETC test report and the current 915B radio module include:

- Improved surge protection on the 48 VDC Power over Ethernet.
- FLASH memory device – manufacturer discontinuation, using new part, same manufacturer.
- Bandpass filters – manufacturer discontinuation, using new part, same manufacturer.
- TX Amplifier and Mixer - manufacturer discontinuation of part that combined this functionality. Now using a separate mixer and amplifier.
- LNA Amplifier and Mixer - manufacturer discontinuation, using new part, same manufacturer

These changes required minor changes to resistors, capacitors and inductors to balance the new parts.

None of these changes have affected the tranmsmitted modulated waveform, bandwidth or power nor the unintentional emissions in receive mode. Testing at NEMKO has confirmed this.

The following table identifies all the files in this joint FCC , IC submission.

#	Doc.	Filename
1	Cover Letter	915B Cover Letter.pdf
2	IC application form (app/001)	4309B-915B Application for Certification.pdf
3	REL Acknowledgement	Letter of Acknowledgement.pdf
4	FCC application form (app/003)	KIN-915B Application for Certification.pdf
5	FCC Form 731	KIN-915B FCC form731.pdf
6	Confidentiality request letter	Request for Confidentiality.pdf
7	LMA Letter	915B Request for Limited Module Approval.pdf
8	Block diagram	915B Radio Block Diagrams.pdf
9	Operational description	915B Functional Overview.pdf
10	Internal Photos	915B Radio Module Photos.pdf
11	Antenna Spec - Omni	WavcAntSku305-0115_BCD-87010-25.pdf
12	Antenna Spec - log Periodic	sc9014spec.pdf
13	Antenna Spec - Stacked Dipole	WavcAntSku305-0131_TA-926VH-8-120.pdf
14	Schematics	915B_Schematic_confidential.pdf
15	Parts List	915B_BOM_confidential.pdf
16	User's Guide with warnings	TN138 - 915B Radio Operational Requirements.pdf
17	Label format and location diagram	915B Product Label.pdf
18	RF Safety RSS 102 declaration	4309B-915B Declaration of Compliance to RSS102.pdf
19	RF Safety Exhibit	915B RF exposure.pdf
20	Test Report Cover page	w08e3557 IC cover sheet.pdf
21	Test Report	w08e3557-1 r2.pdf
22	Test Photos	915B Test Setup Pictures.pdf

Some of the submissions refer to the CCU3100, which is the 915B Radio in a chassis, or the EUM3006A, which is the name of the printed circuit card assembly that is the 915B Radio Module with a specific antenna connector.

A note on the company and the company identifiers we are using for this submission. Previous submissions have been in the name of WaveRider Communications, using FCC identifier OOX and IC identifier 3225B. In March 2006, WaveRider Communications and all its subsidiaries merged with Wave Wireless Corp. of San Jose, CA. The joint company uses the Wave Wireless Corp. name and holds ALL intellectual property of the original companies. Wave Wireless Corp. has FCC identifier KIN and IC identifier 4309. For this submission, it has been decided to use the Wave Wireless identifiers.

We look forward to answering any questions you have.

Your Truly,

Lawrence Gordon,
Senior Technical Design Lead,
WaveRider Communications (Canada) Inc.
Suite 4, 6110 - 1A St. SW, Calgary, Alta, T2H 0G3
Tel/FAX:(403) 253-5366, Tel:(403) 616-5668(cell)