

September 22, 2006

Timco Engineering, Inc.
Telecommunication Certification Body
849 NW State Road 45
Newberry, FL 32669

**SUBJECT: ITRONIX CORPORATION
FCC ID: KBCIX100XAC860
Part 24(E) - Certification
Limited Modular Approval**

On behalf of Itronix Corporation is a Limited Modular Approval application for Part 24(E) Certification of the AirCard 860 Dual-Band GSM/GPRS/EDGE/UMTS PCMCIA Modem (manufactured by Sierra Wireless, Inc.) installed in the Itronix Corporation IX100X Series Rugged Handheld PC utilizing a permanently attached external Nearson 1/4-Wave Helix antenna and a MaxRad vehicle-mount antenna with Itronix vehicle cradle. The AirCard 860 Dual-Band GSM/GPRS/EDGE/UMTS PCMCIA Modem is installed in the IX100X by Itronix Corporation prior to shipment and is not intended for installation or reconfiguration by the end user. The AirCard 860 is a quad-band modem and Itronix Corporation will ensure that the non-authorized bands are not available to the end user.

The AirCard 860 Dual-Band GSM/GPRS/EDGE/UMTS PCMCIA Modem can also be co-located in the IX100X Handheld PC with an optional 802.11bg/Bluetooth Combo Module Model: WM-BR-MR-01 (manufactured by Universal Scientific Industrial Co., Ltd.). A separate Limited Modular Approval Composite Certification application for the WM-BR-MR-01 is submitted simultaneously with this application (FCC ID: KBCIX100XUSI-WLBT). The WM-BR-MR-01 is also installed in the IX100X by Itronix Corporation prior to shipment and is not intended for installation or reconfiguration by the end user. The IX100X Handheld PC can be configured by Itronix Corporation to contain either one of the internal radios described above or both. It is the intention and purpose of the two referenced Limited Modular Approval applications that all three IX100X host PC configuration options will be approved for certification within these submittals. Depending on the transmitter configuration(s) installed, Itronix Corporation will label the IX100X host PC accordingly with the appropriate FCC ID label(s) applicable for the specific configuration(s).

The co-transmit operations when both transmitters are installed are the AirCard 860 and Bluetooth only. The AirCard 860 and 802.11bg do not co-transmit (please refer to the applicant's attestation letter). Radiated spurious emissions measurements were evaluated for co-transmit operation of the AirCard 860 and Bluetooth and were found to be in compliance.

Model(s):	IX100XAC860 (IX100X with AC860) IX100XUSI-WLBT (IX100X with WM-BR-MR-01)
Device Classification:	PCS Licensed Transmitter (PCB)
Transmitter Type:	Dual-Band GSM/GPRS/EDGE/UMTS PCMCIA Modem
Frequency Range(s):	1850.2 - 1909.8 MHz (PCS GSM/GPRS/EDGE) 824.2 - 848.8 MHz (Cellular GSM/GPRS/EDGE) 1852.4 - 1907.5 MHz (PCS UMTS) 826.4 - 846.6 MHz (Cellular UMTS)
Host PC Type:	Itronix IX100X Series Rugged Handheld PC
Antenna Type(s) Tested:	External Nearson 1/4-Wave Helix (P/N: 47-0180-003) External MaxRad Vehicle-Mount (P/N: WMLPVDB800/1900)
RF Exposure Category:	Portable (IX100X with 1/4-wave helix antenna) Mobile (IX100X with vehicle antenna and cradle)
Co-located Transmitter(s):	802.11bg/Bluetooth Combo Module (Optional)
Co-Transmit Operation:	AirCard 860 and Bluetooth

Submitted within this application is the TCB Form 731, applicant's confidentiality request, applicant's attestation letter, Parts 24(E) and 22(H) EMC conducted measurement report data (Sierra Wireless Inc.), Parts 24(E) and 22(H) EMC radiated measurement report data and test setup photographs (Celltech Labs Inc.), SAR RF exposure measurement report data and test setup photographs (Celltech Labs Inc.), FCC ID label(s) and location, internal and external device photographs, block diagram(s) (confidential), schematic diagram(s) (confidential), circuit description (confidential), parts list (confidential), tune-up procedure (confidential), Nearson antenna specifications (confidential), MaxRad antenna specifications (confidential), AirCard 860 user manual, and the IX100X user manual with RF exposure safety information.

If you have any questions or comments concerning the above, please contact the undersigned.

Sincerely,



Jonathan Hughes
General Manager
Celltech Labs Inc.

cc: Itronix Corporation