

May 4, 2005

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

**SUBJECT: ITRONIX CORPORATION**  
**FCC ID: KBCIX260PROAC580**  
**Part 24 Subpart E - Certification**  
**Composite Application (PCB)**

On behalf of Itronix Corporation is an application for Part 24(E) Certification of Model: IX260PROAC580 Rugged Laptop PC with internal Dual-Band PCS/Cellular CDMA PCMCIA Modem Model: AirCard 580 manufactured by Sierra Wireless, Inc. (FCC ID: PNF-PC3220P, originally granted March 27, 2003), utilizing an external swivel dipole antenna mounted on the upper right side edge of the LCD display, and a vehicle-mount antenna with vehicle cradle. The DUT also incorporates an internal co-located Intel Pro 2200BG 802.11b/g WLAN Mini-PCI Card (Intel FCC ID: PD9WM3B2200BG, originally granted December 12, 2003). A Part 15(C) certification application for the Intel Pro 2200BG 802.11b/g WLAN Mini-PCI Card portion of the DUT under the same FCC ID (KBCIX260PROAC580) is submitted simultaneously with this application. **The Sierra Wireless AirCard 580 CDMA Modem and Intel Pro 2200BG 802.11b/g WLAN do not transmit simultaneously.**

<b>Model:</b>	<b>IX260PROAC580</b>
<b>Device Classification:</b>	<b>PCS Licensed Transmitter (PCB)</b>
<b>Device Description:</b>	<b>Rugged Laptop PC (with optional vehicle cradle)</b>
<b>Internal Transmitter Tested:</b>	<b>Sierra Wireless AirCard 580 Dual-Band PCS/Cellular CDMA PCMCIA Modem</b>
<b>Co-located Transmitter(s):</b>	<b>Intel Pro 2200BG 802.11b/g WLAN Mini-PCI Card (with internal surface-mount antenna)</b>
<b>Antenna Type(s) Tested:</b>	<b>Itronix IX260+ External Swivel Dipole (Dual-Band CDMA)</b> <b>MaxRad 3 dBi Gain Vehicle-Mount P/N: WMLPVDB800/1900 (Dual-Band CDMA)</b>
<b>Tx Frequency Range(s):</b>	<b>1851.25 - 1908.75 MHz (PCS CDMA)</b> <b>824.70 - 848.31 MHz (Cellular CDMA)</b>
<b>Max. Conducted Pwr. Measured:</b>	<b>25.07 dBm / 0.321 Watts (PCS CDMA)</b> <b>23.61 dBm / 0.230 Watts (Cellular CDMA)</b>
<b>Max. ERP/EIRP Measured:</b>	<b>0.526 Watts (27.21 dBm) EIRP - PCS CDMA (Itronix Swivel Dipole Antenna)</b> <b>0.257 Watts (24.10 dBm) ERP - Cellular CDMA (Itronix Swivel Dipole Antenna)</b> <b>0.173 Watts (22.38 dBm) EIRP - PCS CDMA (MaxRad Vehicle-Mount Antenna)</b> <b>0.169 Watts (22.27 dBm) ERP - Cellular CDMA (MaxRad Vehicle-Mount Antenna)</b>
<b>Frequency Tolerance(s):</b>	<b>2.5 ppm (PCS CDMA) / 2.5 ppm (Cellular CDMA)</b>
<b>Emission Designator(s):</b>	<b>1M25F9W</b>

Submitted within this application is the TCB Form 731, applicant's confidentiality request, FCC Parts 24(E) and 22(H) EMC measurement report data and photographs, MPE RF exposure evaluation data, FCC ID label and location, internal and external device photographs, schematic diagram (confidential), circuit description (confidential), operational description (confidential), tune-up procedure (confidential), antenna specifications (confidential), user manual (provided to the user with the built-in software on the Laptop PC), and Radio-Specific Safety Information (provided to the user in hard copy format).

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