

September 10, 2004

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

**SUBJECT: ITRONIX CORPORATION**  
**FCC ID: KBCIX260PROAC775**  
**Part 24(E) - Certification**

On behalf of Itronix Corporation is an application for Part 24(E) Certification of Itronix IX260+ Rugged Laptop PC with internal Dual-Band PCS/Cellular GSM GPRS/EDGE PCMCIA Modem Model: AirCard 775 manufactured by Sierra Wireless, Inc. (FCC ID: N7NAC775, originally granted June 18, 2004), utilizing an external swivel dipole antenna mounted on the upper right side of the LCD display, and an external mobile vehicle-mount antenna with vehicle cradle. The IX260+ also incorporates an internal co-located Intel Pro 2200BG 802.11b/g WLAN (Intel FCC ID: PD9WM3B2200BG, originally granted December 12, 2003). A Part 15.247 certification application for the Intel Pro 2200BG 802.11b/g WLAN is also submitted simultaneously with this application. **The Sierra Wireless AirCard 775 GSM GPRS/EDGE PCMCIA Modem and Intel Pro 2200BG 802.11b/g WLAN do not transmit simultaneously.**

<b>Model:</b>	<b>IX260PROAC775</b>
<b>Device Class:</b>	<b>PCS Licensed Transmitter (PCB)</b>
<b>Device Type:</b>	<b>Rugged Laptop PC w/ internal Sierra Wireless AC775 GSM GPRS/EDGE PCMCIA Modem (Co-located with internal Intel Pro 2200BG WLAN &amp; dual surface-mount antennas) with External Swivel Dipole Antenna, Mobile Vehicle-Mount Antenna, &amp; Vehicle Cradle</b>
<b>Emission Designator(s):</b>	<b>238KGXW, 242KGXW, 240KG7W, 242KG7W</b>
<b>Frequency Tolerance(s):</b>	<b>2.5 PPM (PCS GSM) / 2.5 PPM (Cellular GSM)</b>
<b>Tx Frequency Range(s):</b>	<b>1850.2 - 1909.8 MHz (PCS GSM)</b> <b>824.2 - 848.8 MHz (Cellular GSM)</b>
<b>Max. Conducted Pwr. Measured:</b>	<b>28.9 dBm Peak (PCS GSM) / 32.0 dBm Peak (Cellular GSM)</b>
<b>Modulation Tested:</b>	<b>GMSK</b>
<b>Max. Duty Cycle Tested:</b>	<b>50 % (Source-Based Time-Averaged)</b>
<b>Source-Based Time-Aver. Power:</b>	<b>25.9 dBm Peak Cond. (Max. PCS GSM) / 29.0 dBm Peak Cond. (Max. Cellular GSM)</b>
<b>Max. ERP/EIRP Measured:</b>	<b>0.936 Watts (29.71 dBm) EIRP - PCS GSM (Itronix Swivel Dipole Antenna)</b> <b>2.54 Watts (34.05 dBm) ERP - Cellular GSM (Itronix Swivel Dipole Antenna)</b> <b>0.261 Watts (24.17 dBm) EIRP - PCS GSM (MaxRad Vehicle-Mount Antenna)</b> <b>0.512 Watts (27.09 dBm) ERP - Cellular GSM (MaxRad Vehicle-Mount Antenna)</b>
<b>Antenna Type(s) Tested:</b>	<b>Itronix IX260+ External Swivel Dipole (Dual-Band GSM)</b> <b>MaxRad 3 dBi Gain Vehicle-Mount P/N: WMLPVDB800/1900 (Dual-Band GSM)</b>

Attached is the confidentiality request, FCC Parts 24(E) and 22(H) EMC measurement report data and photographs (Celltech Labs and Sierra Wireless), MPE RF exposure evaluation report (Celltech Labs), FCC ID label and location, internal and external device photographs, block diagrams (confidential), schematic diagrams (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