

September 24, 2004

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

**SUBJECT: ITRONIX CORPORATION**  
**FCC ID: KBCIX100XA750WLBT**  
**Part 24(E) - Class II Permissive Change**  
**Original Grant Date: 09/10/04**

On behalf of Itronix Corporation is a Part 24(E) Class II Permissive Change application for the IX100X Rugged Handheld PC with internal PCS GSM/GPRS PCMCIA Modem (Model: AirCard 750 manufactured by Sierra Wireless, Inc., FCC ID: N7NAC750, originally granted May 3, 2002), with the addition of Itronix IX100X Vehicle Cradle and MaxRad 3 dBi Gain Vehicle-Mount Antenna. The IX100X also incorporates an internal co-located 802.11b and Bluetooth combo transmitter (Model: WM-BB-AG-01 manufactured by Universal Scientific Industrial Co., Ltd., FCC ID: IXMWM-BB-AG-01, originally granted March 18, 2004) with internal 802.11b antenna and internal Bluetooth antenna. The internal 802.11b/g and Bluetooth transmitters do not utilize the vehicle-mount antenna.

**Model:** IX100XA750WLBT  
**Device Class:** PCS Licensed Transmitter worn on body (PCT)  
**Device Type:** Rugged Handheld PC with Sierra Wireless AirCard 750 PCS GSM/GPRS Modem  
(Co-located with USI WM-BB-AG-01 802.11b & Bluetooth Combo Transmitter)  
**Class II Permissive Change(s):** 1. Add Itronix IX100X Vehicle Cradle (P/N: 50-0107-001)  
2. Add MaxRad 3 dBi Gain Vehicle-Mount Antenna (P/N: WMLPVDB800/1900)  
**Tx Frequency Range:** 1850.2 - 1909.8 MHz  
**Max. Conducted Power Tested:** 28.7 dBm (Peak)  
**Modulation Tested:** GMSK  
**Max. Duty Cycle Tested:** 50 % (Source-Based Time-Averaged)  
**Source-Based Time-Av. Power:** 25.7 dBm (Max. Peak Conducted)  
**Max. EIRP Measured (MaxRad):** 0.214 Watts (23.31 dBm)  
**Antenna Type(s) Tested:** MaxRad 3 dBi Gain Vehicle-Mount (P/N: WMLPVDB800/1900)

Attached are the TCB Form 731, Part 24(E) EMC measurement report data and test setup photographs, MPE evaluation report, external device photographs, vehicle-mount antenna specifications, and the user manual with RF exposure 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