

September 27, 2004

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

**SUBJECT: ITRONIX CORPORATION  
FCC ID: KBCIX100XA555WLBT  
Parts 24(E)/22(H) - Class II Permissive Change  
Original Grant Date: 09/15/04**

On behalf of Itronix Corporation is an application for Part 24E Class II Permissive Change of the IX100X Portable Rugged Handheld PC with internal Dual-Band PCS/Cellular CDMA PCMCIA Modem (Model: AirCard 555/550 manufactured by Sierra Wireless, Inc., FCC ID: N7NACRD555, originally granted September 25, 2001), 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 vehicle-mount antenna operation.

**Model:** IX100XA555WLBT  
**Device Class:** PCS Licensed Transmitter worn on body (PCT)  
**Device Type:** Rugged Handheld PC with Sierra Wireless AirCard 555/550 PCS/Cellular CDMA Modem (Co-located with USI WM-BB-AG-01 802.11b and 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)  
**Emission Designator(s):** 1M25F9W  
**Frequency Tolerance(s):** 150 Hz (PCS CDMA)  
300 Hz (Cellular CDMA)  
**Tx Frequency Range(s):** 1851.25 - 1908.75 MHz (PCS CDMA)  
824.70 - 848.31 MHz (Cellular CDMA)  
**Max. Conducted Power Tested:** 23.0 dBm (PCS CDMA)  
23.0 dBm (Cellular CDMA)  
**Max. ERP/EIRP Measured:** 0.078 Watts / 18.93 dBm EIRP (PCS CDMA)  
0.080 Watts / 19.05 dBm ERP (Cellular CDMA)  
**Antenna Type(s) Tested:** MaxRad 3 dBi Gain Vehicle-Mount (P/N: WMLPVDB800/1900)

Attached are the TCB Form 731, Part 24(E)/22(H) 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