

January 26, 2006

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

**SUBJECT:**

**ITRONIX CORPORATION  
FCC ID: KBCIX325A580IWLBT  
Part 24(E) - Certification  
Composite Application (PCB)**

On behalf of Itronix Corporation is an application for Part 24(E) Certification of Model: IX325A580IWLBT Rugged Tablet PC with internal Dual-Band PCS/Cellular CDMA PCMCIA Modem Model: AirCard 580 manufactured by Sierra Wireless, Inc., utilizing an external hinged dipole antenna attached to the IX325 Broadband Hatch, 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 with dual internal PIFA antennas installed in the upper edge section of the DUT. The DUT also incorporates an internal MSI MS-6837 Bluetooth Transmitter with internal PIFA antenna installed in the left edge section of the DUT. The Part 15(C) composite certification applications for the Intel Pro 2200BG 802.11b/g WLAN Mini-PCI Card and the MSI MS-6837 Bluetooth portions of the DUT under the same FCC ID: KBCIX325A580IWLBT are submitted simultaneously with this application. The Sierra Wireless AirCard 580 Dual-Band CDMA PCMCIA Modem and Intel Pro 2200BG 802.11b/g WLAN do not transmit simultaneously. The Sierra Wireless AirCard 580 Dual-Band CDMA PCMCIA Modem can transmit simultaneously with the MSI MS-6837 Bluetooth.

<b>Model:</b>	<b>IX325A580IWLBT</b>
<b>Device Classification:</b>	<b>PCS Licensed Transmitter (PCB)</b>
<b>Device Description:</b>	<b>Rugged Tablet PC</b>
<b>RF Exposure Category:</b>	<b>Portable (with external hinged dipole antenna) Mobile (with vehicle antenna and vehicle cradle)</b>
<b>LCD Display User Orientation(s):</b>	<b>0 Degrees Landscape, -90 Degrees Portrait</b>
<b>Internal Dominant Transmitter:</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 MSI MS-6837 Bluetooth</b>
<b>Antenna Type(s) Tested:</b>	<b>External Hinged Dipole (CDMA) External Vehicle-Mount (CDMA) Internal PIFA (WLAN) Internal PIFA (Bluetooth)</b>
<b>Transmitter Frequency Range(s):</b>	<b>1851.25 - 1908.75 MHz (PCS CDMA Band) 824.70 - 848.31 MHz (Cellular CDMA Band)</b>
<b>Max. RF Conducted Power Measured:</b>	<b>24.2 dBm - 0.263 Watts (PCS CDMA) 23.2 dBm - 0.209 Watts (Cellular CDMA) 4.46 dBm - 0.0028 Watts - Peak (Bluetooth)</b>
<b>Max. ERP/EIRP Level(s) Measured:</b>	<b>0.793 Watts (28.99 dBm) EIRP - PCS CDMA (Hinged Dipole Antenna) 0.204 Watts (23.10 dBm) ERP - Cellular CDMA (Hinged Dipole Antenna)</b>
<b>Max. SAR Level(s) Measured:</b>	<b>Body: 0.130 W/kg - 1g average (PCS CDMA) Body: 0.0673 W/kg - 1g average (Cellular CDMA)</b>

Submitted within this application is the TCB Form 731, applicant's change of grantee address notification, applicant's confidentiality request, applicant's device orientation attestation, Parts 24(E) and 22(H) EMC measurement report data and test setup photographs, SAR RF exposure measurement report data and test setup photographs, FCC ID label and location, internal and external device photographs, schematic diagrams (confidential), circuit description (confidential), operational description (confidential), tune-up procedure (confidential), user manual (provided to the user with the built-in software on the Tablet 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