

July 2, 2004

Federal Communications Commission  
Equipment Authorization Branch  
7435 Oakland Mills Road  
Columbia, MD 21046

**SUBJECT: ITRONIX CORPORATION**  
**FCC ID: KBCIX100XA555WLBT**  
**Parts 24(E) & 22(H) - Certification**

On behalf of Itronix Corporation is an application for Part 24 Certification of Itronix IX100x Portable Rugged Handheld PC with internal dual-band PCS/Cellular CDMA PCMCIA Modem Card Models: AirCard 555/550 manufactured by Sierra Wireless, Inc. (FCC ID: N7NACRD555, originally granted September 25, 2001), utilizing an external ¼ wave helix antenna mounted on the top right side of the device. 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 located in the upper front center above the LCD display, and internal Bluetooth antenna located in the front right side center of the device. Co-located EMC and SAR measurements are addressed within this application. A Part 15.247 certification application for the 802.11b and Bluetooth combo transmitter portions of the IX100x is also submitted simultaneously with this application.

|                                     |                                                                                                                                                                              |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model:</b>                       | <b>IX100XA555WLBT</b>                                                                                                                                                        |
| <b>Device Class:</b>                | <b>PCS Licensed Transmitter (PCB)</b>                                                                                                                                        |
| <b>Device Type:</b>                 | <b>Rugged Handheld PC w/ Sierra Wireless AirCard 555/550 PCS/Cellular CDMA Modem (Co-located with USI WM-BB-AG-01 802.11b &amp; Bluetooth Combo Transmitter)</b>             |
| <b>Tx Frequency Range:</b>          | <b>1851.25 - 1908.75 MHz (PCS CDMA)</b><br><b>824.70 - 848.31 MHz (Cellular CDMA)</b>                                                                                        |
| <b>Max. Conducted Power Tested:</b> | <b>23.0 dBm (PCS CDMA)</b><br><b>23.0 dBm (Cellular CDMA)</b><br><b>(14 dBm - 802.11b)</b><br><b>(3.5 dBm - Bluetooth)</b>                                                   |
| <b>Max. RF Output Power Tested:</b> | <b>0.313 Watts EIRP (PCS CDMA)</b><br><b>0.338 Watts ERP (Cellular CDMA)</b>                                                                                                 |
| <b>Max. SAR Levels Measured:</b>    | <b>1.01 W/kg (PCS CDMA)</b><br><b>1.00 W/kg (Cellular CDMA)</b>                                                                                                              |
| <b>Antenna Type(s) Tested:</b>      | <b>External - ¼ wave Helix (Dual-Band CDMA)</b><br><b>Internal - upper front center above LCD display (802.11b)</b><br><b>Internal - front right side center (Bluetooth)</b> |

Attached is the applicant's confidentiality request letter, EMC measurement report data and photographs, SAR RF exposure measurement report data & photographs, FCC ID label and location, internal and external device photographs, schematic diagram(s) (confidential), parts list (confidential), tune-up procedure (confidential), operational description (confidential), 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