

July 9, 2004

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

**SUBJECT: ITRONIX CORPORATION
FCC ID: KBCIX100XA750WLBT
Parts 24(E) - Certification**

On behalf of Itronix Corporation is an application for Part 24(E) Certification of Itronix IX100x Portable 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), utilizing an external $\frac{1}{4}$ wave helix antenna 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 at the top front center above the LCD display, and internal Bluetooth antenna located at the front right side center of the device. Co-located EMC and SAR measurements are addressed within this application. A Part 15(C) certification application for the 802.11b and Bluetooth combo transmitter portions of the IX100x is also submitted simultaneously with this application.

Model:	IX100XA750WLBT
Device Class:	PCS Licensed Transmitter (PCB)
Device Type:	Rugged Handheld PC w/ Sierra Wireless AirCard 750 PCS GSM/GPRS Modem (Co-located with USI WM-BB-AG-01 802.11b & Bluetooth Combo Transmitter)
Tx Frequency Range:	1850.2 - 1909.8 MHz
Max. Conducted Power Tested:	28.7 dBm Peak (PCS GPRS) (14 dBm Peak - 802.11b) (3.5 dBm Peak - Bluetooth)
Max. EIRP Measured:	1.07 Watts (PCS GPRS)
Max. SAR Level Measured:	1.52 W/kg (PCS GPRS)
Antenna Type(s) Tested:	External - $\frac{1}{4}$ wave Helix (PCS GPRS) Internal - top front center above LCD display (802.11b) Internal - front right side center (Bluetooth)

Attached is the applicant's confidentiality request, 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