

August 25, 2004

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

SUBJECT: **ITRONIX CORPORATION**
FCC ID: KBCIX100XA555WLBT
Part 15.247 - Certification
Bluetooth Transmitter (DSS)

On behalf of Itronix Corporation is an application for Part 15 Subpart C Certification of Itronix IX100x Portable Rugged Handheld PC with internal 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. The IX100x also contains a co-located external dual-band PCS/Cellular CDMA PCMCIA Modem Model: 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. A Part 15.247 certification application for the WLAN (DTS) portion of the IX100x is currently pending at the Commission, and a Part 24(E) certification application for the dual-band CDMA transmitter portion of the IX100x is also currently pending at the Commission.

Model:	IX100XA555WLBT
Device Class:	Part 15 Spread Spectrum Transmitter (DSS)
Device Type:	Rugged Handheld PC w/ USI WM-BB-AG-01 802.11b & Bluetooth Combo Transmitter (Co-located w/ Sierra Wireless AirCard 555/550 PCS/Cellular CDMA PCMCIA Modem)
Tx Frequency Range(s):	2402 - 2480 MHz (Bluetooth)
Max. Conducted Pwr. Tested:	0.0022 Watts (3.5 dBm) - Peak (Bluetooth)
Antenna Type(s) Tested:	Internal - front right side center (Bluetooth)
Mode of Operation:	Frequency Hopping Spread Spectrum (Bluetooth)

Attached is the applicant's confidentiality request letter, EMC measurement report data and photographs (Timco), FCC ID label and location, internal and external device photographs, block diagram(s) (confidential), schematic diagram(s) (confidential), operational description, 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