

April 7, 2004

American Telecommunications Certification Body, Inc.  
6731 Whittier Avenue, Suite C110  
McLean, VA 22101

**SUBJECT: ITRONIX CORPORATION  
FCC ID: KBCIX260MPIGC82  
FCC Parts 24 & 22 Certification**

On behalf of Itronix Corporation is an application for FCC Parts 24 and 22 Certification of Itronix IX260 Rugged Laptop PC with internal GC82 Dual-Band PCS/Cellular GSM GPRS/EDGE PCMCIA Radio Modem manufactured by Sony Ericsson Mobile Communications AB (FCC ID: PY7F1041011, originally granted October 28, 2003), utilizing an external dipole antenna mounted on the upper right side of the LCD display, and an external mobile vehicle-mount antenna with vehicle cradle. The IX260 also incorporates an internal co-located Mini-PCI DSSS WLAN Card Model: MPI-350 manufactured by Cisco Systems, Inc. (FCC ID: LDK102042, originally granted May 30, 2001), with internal 802.11b dual surface-mount antenna located in the upper rear section of the LCD display. Co-located EMC and MPE evaluations are addressed within this application. A Part 15.247 certification application for the Mini-PCI DSSS WLAN Card portion of the IX260 is also submitted simultaneously with this application.

**Model:** IX260  
**Device Class:** PCS Licensed Transmitter (PCB)  
**Device Type:** Rugged Laptop PC with internal Sony Ericsson GC82 Dual-Band GSM Radio Modem (Co-located with internal Cisco Systems MPI-350 Mini-PCI DSSS WLAN Card) with Dipole Antenna, WLAN Antenna, Vehicle-Mount Antenna, & Vehicle Cradle

**Emission Designator(s):** 300KGXW  
**Frequency Tolerance(s):** 0.0029 PPM (PCS GSM) / 0.0055 PPM (Cellular GSM)  
**Tx Frequency Range(s):** 1850.2 - 1909.8 MHz (PCS GSM)  
824.2 - 848.8 MHz (Cellular GSM)

**Max. Cond. Power Measured:** 30.06 dBm Peak (PCS GSM) / 32.37 dBm Peak (Cellular GSM) / 21.2 dBm Peak (WLAN)  
**Max. Duty Cycle Tested:** 25 % (Source-Based Time-Averaged)  
**Source-Based Time-Av. Power:** 24.04 dBm Peak Cond. (Max. PCS GSM) / 26.35 dBm Peak Cond. (Max. Cellular GSM)  
**Max. RF Output Pwr. Measured:** 1.65 Watts EIRP - PCS GSM (Itronix Swivel Dipole Antenna Model: IX260)  
1.96 Watts ERP - Cellular GSM (Itronix Swivel Dipole Antenna Model: IX260)  
0.337 Watts EIRP - PCS GSM (MaxRad Vehicle-Mount Antenna P/N: WMLPVDB800/1900)  
0.762 Watts ERP - Cellular GSM (MaxRad Vehicle-Mount Antenna P/N: WMLPVDB800/1900)

**Antenna Type(s) Tested:** Itronix IX260 External Swivel Dipole (Dual-Band GSM)  
Rangestar P/N: 100929 802.11b Dual Internal Surface-Mount (WLAN)  
MaxRad 3 dBi Gain Vehicle-Mount P/N: WMLPVDB800/1900 (Dual-Band GSM)

Attached is the confidentiality request letter, attestation letter, FCC Parts 24 and 22 EMC measurement report data and photographs (Celltech Labs and CETECOM Inc.), MPE RF exposure evaluation report data (Celltech Labs), FCC ID label and location, internal and external photographs, block diagrams (confidential), schematic diagrams (confidential), parts list (confidential), tune-up procedure (confidential), operational description (confidential), antenna specifications (confidential), and the user's manual with RF exposure warning statement(s).

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