May 04, 2006

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

SUBJECT: **ITRONIX CORPORATION**
FCC ID: KBCIX325-CWLBT
Part 15 Subpart C - Certification (DTS - Composite)
Part 15 Subpart E - Certification (NII - Composite)

On behalf of Itronix Corporation is a composite application for FCC Part 15 Subparts C and E Certification of Model: IX325-CWLBT Rugged Tablet PC incorporating the internal Cisco AIR-CB21AG-A-K9 802.11abg WLAN PCMCIA Card co-located with MSI MS-6837 Bluetooth Transmitter and internal PIFA antenna installed in the left edge section of the DUT. A Part 15C (DSS) certification application for the MSI MS-6837 Bluetooth portion of the DUT is submitted simultaneously with this application under the same FCC ID: KBCIX325-CWLBT. The Cisco AIR-CB21AG-A-K9 802.11abg WLAN and MSI MS-6837 Bluetooth can transmit simultaneously. Radiated spurious emissions were investigated for simultaneous transmit operation and were found to be in compliance with the limits. The simultaneous transmit test data is not submitted within this application based on non-requirement.

Model(s):	**IX325-CWLBT**
Device Classification:	**Part 15 Subpart C - Digital Transmission System (DTS)** **Part 15 Subpart E - Unlicensed National Information Infrastructure TX (NII)**
Device Description:	**Rugged Tablet PC**
Internal Transmitter:	**Cisco AIR-CB21AG-A-K9 802.11abg WLAN PCMCIA Card**
Co-located Transmitter(s):	**MSI MS-6837 Bluetooth**
LCD Display User Orientation(s):	**0 Degrees Landscape, -90 Degrees Portrait**
Antenna Type(s) Tested:	**Embedded Dual-Band Diversity Monopole PCB Antenna (WLAN)** **Internal PIFA (Bluetooth)**
Mode(s) of Operation:	**802.11a: Orthogonal Frequency Division Multiplexing (OFDM)** **802.11b: Direct Sequence Spread Spectrum (DSSS)** **802.11g: Orthogonal Frequency Division Multiplexing (OFDM)**
Data Rates:	**802.11b: 1, 2, 5.5, 11 Mbps** **802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps** **(Note: Turbo mode not supported with the IX325)**
Transmit Frequency Range(s):	**2412 - 2462 MHz - 802.11b/g (ISM Band) - DTS (15C)** **5180 - 5250 MHz - 802.11a (UNII-1 Band) - NII (15E)** **5250 - 5320 MHz - 802.11a (UNII-2 Band) - NII (15E)** **5745 - 5825 MHz - 802.11a (UNII-3 Band) - DTS (15C)**
Max. RF Output Power Measured:	**0.105 Watts (20.2 dBm) - Peak Conducted (802.11b)** **0.0631 Watts (18.0 dBm) - Peak Conducted (802.11g)** **0.0407 Watts (16.1 dBm) - Peak Conducted (802.11a)**
Max. SAR Level(s) Measured:	**Body: 0.258 W/kg -1g average (802.11a)** **Body: 0.172 W/kg -1g average (802.11b)**

The WLAN test data submitted in the EMC and SAR reports is the same as Itronix application FCC ID: KBCIX325-CWL. The device configuration evaluated in this application is identical to the device configuration evaluated in FCC ID: KBCIX325-CWL, except for the inclusion of the MSI MS-6837 Bluetooth transmitter. As described above, co-located co-transmit radiated spurious emissions were evaluated and found to be in compliance. SAR RF exposure evaluations for simultaneous transmit operation were performed and are included in this filing.

Submitted within this application is the applicant's confidentiality request, applicant's LCD display orientation attestation, Part 15C EMC measurement report data and test setup photographs, Part 15E EMC measurement report data and test setup photographs, 2.4GHz SAR RF exposure measurement report data & photographs, 5GHz SAR RF exposure measurement report data & photographs, FCC ID label and location, internal and external device photographs, block diagram(s) (confidential), schematic diagram(s) (confidential), operational description (confidential), 802.11abg WLAN user manual, IX325 tablet PC user manual (provided to the user with the built-in software on the Tablet PC), and the 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