

<b>Test Report Serial No.:</b>	060605KBC-T644-E15W/B	<b>Report Issue No.:</b>	Issue 1 Rev0
<b>Test Date(s):</b>	12Jul05 - 10Aug05	<b>Report Issue Date:</b>	15Aug05
<b>Test Rule Part(s):</b>	FCC 47 CFR §15.247	Industry Canada RSS-210 Issue 5	
<b>Lab Registration(s):</b>	FCC Lab Reg. # 714830	Industry Canada Lab File # IC 3874	

## F.7. SETUP PHOTOGRAPHS

Photograph F-1 - 3115 Horn with LNA/filter @ 3 m




Photograph F-2 - 3115 Horn with LNA/Filter @ 1m



## F.8. DUT OPERATING DESCRIPTION

The worst-case data rate was determined from prescan investigations. Prescan measurements were made of each of the three WLAN channels with the Bluetooth transmitter hopping. From these prescan measurements, the worst-case configuration was chosen for the final radiated spurious emission measurements. For the radiated spurious emissions measurements, the Bluetooth transmitter was set to its highest power setting and allowed to hop within its operating band, as would be typical in normal use. For the radiated carrier and radiated band edge measurements, the Bluetooth transmitter was set to a worst-case channel (lowest channel for lower band edge, highest for high band edge) while the WLAN was set to transmit on the applicable channel.

<b>Applicant:</b>	Itronix Corporation	<b>Model:</b>	IX325-IWLBT	<b>FCC ID:</b>	KBCIX325-IWLBT	<b>IC ID:</b>	1943A-IX325a
<b>DUT Type:</b>	IX325 Rugged Tablet PC with internal Intel PRO2200BG 802.11b/g WLAN & MSI MS-6837 Bluetooth						
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## G.7. SETUP PHOTOGRAPHS

Photograph G-1 - Loop Antenna @ 3m



Photograph G-2 - Bilog Antenna @ 3m



Photograph G-3 - 3115 Horn @ 3 m




Photograph G-4 - 3115 Horn with LNA/Filter @ 1m



## G.8. DUT OPERATING DESCRIPTION

The worst-case data rate was determined from prescan investigations. Prescan measurements were made of each of the three WLAN channels with the Bluetooth transmitter hopping. From these prescan measurements, the worst-case configuration was chosen for the final radiated spurious emission measurements. For the radiated spurious emissions measurements, the Bluetooth transmitter was set to its highest power setting and allowed to hop within its operating band, as would be typical in normal use. For the radiated carrier and radiated band edge measurements, the Bluetooth transmitter was set to a worst-case channel (lowest channel for lower band edge, highest for high band edge) while the WLAN was set to transmit on the applicable channel.

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## H.7. SETUP PHOTOS

Photograph H-1 - AC Powerline Conducted Emission Cable Placement




Photograph H-2 - AC Powerline Conducted Emission Configuration



## H.8. DUT OPERATING DESCRIPTION

<b>WLAN:</b>	The WLAN was set to transmit at full power on Channel 1, Mode b 1 Mb/s with Bluetooth Hopping
<b>PC:</b>	Other than operating the WLAN software and running MS windows, no PC exercising was performed.
<b>Peripherals:</b>	All peripherals were active, but no specific traffic was initiated.

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