

## Non-Conformities FCC ID: EO9CCU100 (CKC CS Ref # E10-000097-FCC-01)

The items listed below represent requests for information following review of this application for certification under United States (FCC) regulations. Further question may arise pending review of responses to these items.

OK	ID	#	Non-Conformity or Comment	Submitted Response	Respondent / Date of Response
X	TL	1	<p>Page 51 of the test report 90893-9 and Page 40 of the test report 90893-10, the RBW used for measurement in the restricted band is listed as 120kHz for emission below 100MHz and 100kHz .</p> <p>Please clarify whether radiated emission in the restricted band, falling within band 30kHz-30MHz, was measured with CISPR detector, with RBW set at 120kHz. Also please clarify whether restricted band emission above 1000MHz was measure with RBW of 100kHz.</p>	<p>Note removed; it is confusing. Below 1000 MHz, measurements were taken using a CISPR detector and the appropriate CISPR BW. Above 1000 MHz, peak measurements were taken using 1MHz/1MHz to satisfy 15.35 and average measurements were taken using the method proscribed in DA-00-705 and KDB 558074; 1 MHz / 10 Hz.</p>	Jeff Gilbert – 10/21/2010
X	TL	2	<p>The AC volatage listed on Page 10 and page 13 of the test report 90893-9, page 11 and page 14 of the test report 90893-10 is 240V/60Hz. However the user manula stated operating voltage of 110/60 Hz in the installation procedure.</p> <p>Please clarify whether 240Vac/60Hz is the ONLY voltage of the public utility power line for which the device will be installed on. Please provide AC conducted data if the device also operate at 110Vac.60Hz.</p>	<p>Client stated that the device could operate at either 240/60 or 120/60. Max peak RF power and <b>worst case AC line emissions</b> were at 240VAC/60Hz so that was the data reported.</p>	Jeff Gilbert – 10/21/2010
X	C	3	<p>Please clarify whether the inpur channel bandwidths matches the hopping channel bandwidths of their corresponding transmitters. ( Yes/ No)</p>	<p>Yes - THIS DEVICE IS OPERATED IN SYSTEMS THAT THE READING DEVICES, HAVE INPUT BANDWIDTHS THAT MATCH THIS DEVICE AND THAT STAY IN SYNCRONIZATION.</p>	holcomb; 26oct10
X	TL	4	<p>-6dB BW presented on Page 23,24,25 of the test report 90893-9. The RBW used is 1Mhz, however, per FCC document KDB 558074, <i>“Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100kHz.”</i></p>	<p>This is an automated measurement in the spectrum analyzer. BWs are based on the</p>	Jeff Gilbert – 10/21/2010

			Please provide revised test report with -6dB BW measured with RBW set at 100kHz, alternatively a statement to justify the accuracy of -6dB BW measurement with RBW set at 1 MHz is acceptable.	power integrated over the OBW span; results will be the same if measured in 100 kHz or 1 MHz BW. Measurement was taken at the same time as RF power which was measured in a 1 MHz RBW and then integrated over 22 MHz (IEEE 802.11 spec). The same RBW was used for both measurements.	
X	TL	5	<p>Test report 90893-9, It is not clear from the provided test condition which mode of 802.11 (b or g) was tested.</p> <p>Please provide a revised test report with the signal mode identified in the test condition, so that the maximum recorded spurious emission of the signal can be indentified and listed on the grant/certificate along with the signal type.</p>	Results from 802.11b mode reported as this was worst case mode. Report amended - sent back to report department.	Jeff Gilbert – 10/21/2010
X	C	6	<p>It is not clear how does the device with detachable antenna meets 15.203 requirement,</p> <p>Please provide a statemet to clarify compliance to 15.203 Antenna requirement.</p>	<p>the manual page5 was updated to clearly state the installation must be done professional installers, therefore we do not need a "non-standard" connector.</p> <p>! Important Proper installation of the CCU/Repeater ensures trouble-free operation of the Itron Fixed Network system. The installation of both the collector and repeater must be done by professional installers.</p>	holcomb; 26oct10
X	C	7	<p>Schematic diagram is missing for this application.</p> <p>Please provide schematic diagram.</p>	see below, the schematics were uploaded on 10Oct at 18:49.	holcomb; 26oct10