



# American Telecommunications Certification Body Inc.

6731 Whittier Ave, McLean, VA 22101

May 28, 2002

RE: FCC ID: QBWRZIAD58

I have a few comments on this Application.

- 1 The internal photo of the transmitter portion is not clear. Please provide a clearer and possibly closer view of the transmitter section. xx
- 2 While the report states the device must be professionally installed, the manual does not. Please put the appropriate statement in the manual that informs the user that the antenna for this device must be professionally installed. xx
- 3 While the device may be an externally connected system/device, it is still a digital device as well as an intentional radiator under Part 15. As such, the manual must contain the appropriate statements in accordance with the requirements for digital devices. Please provide these appropriate statements in a corrected manual to show compliance to CFR 47 Part 15.105 xx
- 4 The MPE calculations have not been provided. While a distance from individuals is listed in the manual, the MPE calculations need to be provided to justify this distance and to satisfy 1.1310 of the rules. xx
- 5 The 731 states the device is a Spread Spectrum system. U-NII devices are wide band digitally modulated systems and are not classified as Spread Spectrum. Please clarify that the device code on the 731 is NII to be consistent with the operational description of this device. xx
- 6 Peak transmit power is typically a conducted measurement. The FCC accepts two methods.  
1) Use a peak power meter – 2) Use an analyzer with RBW greater than emission bandwidth.  
Use a reduced video filter e.g. VBW = emission bandwidth/30.(Video filter). No video averaging is allowed. The test report has not clearly defined how this measurement was made. Please provide an explanation of how Peak transmit power was made. xx

Dennis Ward

<mailto:dward@AmericanTCB.com>

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information may result in application termination. Correspondence should be considered part of the permanent submission and may be viewed from the Internet after a Grant of Equipment Authorization is issued.

Please do not respond to this correspondence using the email reply button. In order for your response to be processed expeditiously, you must submit your documents through the AmericanTCB.com website. Also, please note that partial responses increase processing time and should not be submitted.

Any questions about the content of this correspondence should be directed to the sender.