



American Telecommunications Certification Body Inc.  
6731 Whittier Ave, McLean, VA 22101

December 2, 2005

RE: FCC ID: HDCTRC6410\_ATCB002992  
Attention: Gregory M. Snyder / Brian J. Dettling

I have a few comments on this Application. Please note that further comments may arise in response to answers provided to the questions below.

1. Please note that the MPE states a maximum antenna gain of 21.1dBi. the test report states a maximum antenna gain of 21.1dBi. However, the manual mentions maximum antenna gains of up to 36dBi. Please note that any part 15 device must be tested with the highest antenna gain that is to be used with the device. If an antenna gain of 21.1dBi is the maximum antenna gain that is to be used with this device please remove the antenna gains that are higher than this from the tables in the manual (i.e. tables 1-5 showing antenna gains of 36dBi). Alternately, please test the highest gain antenna shown in tables listed in the manual.
2. Please note that the report indicates a channel frequency at the low end of 2417MHz. However, the plot on page 13 of the report shows that the center frequency on of the lowest channel would be approximately 2420MHz and not 2417MHz. Please explain.
3. Please note that the maximum power into a 21dBi gain antenna used under point to point conditions would be 25dBm. Please note that the conducted power listed in the report for this device is 26.93dBm. It then appears that you have overdriven the 21.1dBi gain antenna in the radiated emissions data by almost 2dB. Please explain and please provided data using the appropriate power required by 15.247(b)(4)(i).

A handwritten signature in black ink that reads "Dennis Ward".

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.