



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

August 10, 2007

RE: FCC ID: PHX-RDM25100_ATCB005237

Attention: Tim Blom

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 27.50(h)(i) states "Peak transmit power shall be measured over any interval of continuous transmission using instrumentation calibrated in terms of rms-equivalent voltage. The measurement results shall be properly adjusted for any instrument limitations, such as detector response times, limited resolution bandwidth capability when compared to the emission bandwidth, etc., so as to obtain a true peak measurement for the emission in question over the full bandwidth of the channel." Please note that the requirements state that the use of 'limited resolution bandwidth capability: is to be "properly adjusted". Please also note that this does not mention comparison with a power meter, but states it is required to use "instrumentation calibrated in terms of rms-equivalent voltage." Please also note that no information as to the power meter used is provided. Please note that both the expedience report and wi-max report show improper resolution use and improper comparison to the requirements of the rules. Please correct the reading as required in the rules. Alternately, please provide evidence that the power meter used does in fact meet the requirements of "instrumentation calibrated in terms of rms-equivalent voltage" and that it is infact capable of measuring peak transmit power for the modulation methods used in the device.
2. Please note that the maximum transmitter power allowed for this type device is 2W. Please note that the highest power level shown in the report "5A Test Report-Exped.pdf" is 33.48dBm or 2.23W. Please note that because the peak transmitter power exceeds that allowed in the rules, the device appears to be not certifiable as presented. Please appropriately correct the peak transmitter power to be in line with the rules.

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.