



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

January 24, 2006

RE: FCC ID: AFJ290500_ATCB003120

Attention: Tri Luu

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 it is not clear from the mask plots if the overlay is accurate. Please note that at 156.025 center frequency and a 16kHz authorized bandwidth the 25dB down points for mask B should occur at 156.033MHz and 156.017MHz. Even accounting for the shift in center frequency the mask edges should be 156.0326MHz and 156.0166MHz. All or some of the plots shown on pages 29 through 32 appear to calculate 25dB down points incorrectly (the plots on pages 33 to 36 have sufficient evidence of meeting the mask and should not be of concern). For example the lower point on page 29 should be 156.0166MHz but the mask shows 156.01557MHz or about 1kHz error. When the limit is projected onto the plot at the correct point of 156.0166MHz, the emissions appears to be right on the mask line or possibly outside the mask and thus possibly failing. The plot on page 30 appears to be worse and may appear to have the lower frequency outside the projected mask. Please explain how you derived the mask. Please also verify the mask and provide an emissions limit plot (or tabular data for the edge frequencies) that clearly shows compliance to the emissions mask.
2. Please note that the test report states that the max average conducted power measured is 5.75W. However, the rf exposure report states that the max peak conducted power measured is only 867mW. While the device does not need SAR, the data should be consistent throughout the documentation. Please explain the discrepancy.

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.