



American Telecommunications Certification Body Inc.

6731 Whittier Ave, McLean, VA 22101

July 16, 2002

RE: FCC ID: AB6OUD850S8000

Attention: Glen Moore

I have a few comments on this Application.

- 1 While not changing the actual spurious limits at the terminal, the report should still use the highest conducted power measured. This would be 44.32dBm not 43.9dBm as stated in the report. As you are aware the number still comes out to -13dBm, but the report should be correct. This does not affect the issuance of the grant and is FYI.
- 2 Licensed devices require a tune up procedure as part of the submittal. Please provide this tune up procedure.
- 3 Several channels are listed in the report and in the technical report that their power level must be reduced by 2dB in order to pass. Please provide the steps taken in the tune up procedure for setting the reduced power of these channels.
- 4 Please note that radiated substitution measurements are done using the measured power of the fundamental not the power listed in the brochure or advertisements. The measured power of this system according to the test report was 44.32dBm or 27Watts. Thus the formula on page 7 of exhibit 2B should use 27W not 30 watts. While this is not a significant difference from using 30watts (and while the limit of 93.9dBuV is still the actual limit), since this is a submittal for certification, the report still must be accurate and must still reference the proper values. Please recalculate the limits and compare the results to this measured Power as specified in the rules.
- 5 Substitution measurements have not been required when the measured OATS data is greater than 20dB under the limit. Please note however, that page 16 of exhibit 2c clearly show margins of less than 10dB, thus requiring substitution measurements. Please provide substitution measurements for those radiated signals that are no greater than 20dB under the limit to support your statement on page 10 of exhibit 2B. Also please note that the 20dB under the limit exemption is no longer in the latest TIA EIA 603-A-2001.
- 6 Conducted data needs to be provided to support your Pass statement to 15.109 on page 10 of exhibit 2B. Please provide evidence of compliance to conducted limits other than by statement.
- 7 No conducted setup photos have been provided. Please provide these setup photos.
- 8 No Installation manual was provided. Please provide the users/installation manual.
- 9 Please separate the block diagrams from the technical data and provide as a separate file. They can still be confidential under the technical description request in the request for confidentiality.

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.