



American Telecommunications Certification Body Inc.

6731 Whittier Ave, McLean, VA 22101

May 1, 2002

RE: FCC ID: PL6-MMDS-BTS-R1

I have a few comments on this Application.

Please note that this device does not appear to comply with the FCC rules. See item 6.

- 1 Your report states a conducted RF Power measurement of 37dBm (5 watts). You further state the EIRP in 33dBW (1995 watts). Yet, you have provided no information about the antenna necessary to obtain this EIRP. Please note that calculations used in reports must be justified. Please provide the necessary antenna information (gain, type, etc.) and a sample calculation of how you obtained the EIRP for this device.
- 2 No tune up procedure was provided. Please note that the FCC requires this. Please provide the tune up procedure for this device.
- 3 No operational or technical description was provided. Also, please note that the users/installation manual is incomplete. The FCC requires this information to be submitted with the application. Please provide a complete manual and either a technical description or operational description for the device.
- 4 Please provide a simplified Block diagram of the system.
- 5 The occupied bandwidth plot header states a resolution and video BW of 10 MHz, yet the plot shows a resolution BW of 50kHz and a video BW of 500 kHz. Please correct the header data in the report to match the plot data so the report is consistent.
- 6 The frequency stability data/plots did are not present in the report. Please provide the frequency stability information. Please note that 21.101 (Frequency Tolerance) allows 0.005% deviation over the temperature and voltage variation range. Part 2 specifies the frequency stability for this type device (i.e. 2.1055 (a)1) to be within the tolerance range over the temperature variation of -30 degrees C to +50 degrees C. Since the device ceased operation below 0 degree C, and since no information to the contrary (i.e. no technical description/operational description or technical specifications) were provided, it can only be concluded that the device is not in compliance with the rules. Please provide evidence that this device meets the required frequency stability tolerances specified in CFR 47.

Dennis Ward

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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.