



American Telecommunications Certification Body Inc.

6731 Whittier Ave, McLean, VA 22101

September 24, 2002

RE: FCC ID: PL6-EFGH-BTS1-38

Attention: Brian Sutton

I have a few comments on this Application.

- 1 The internal photos are unclear and unreadable. Please provide internal photos of top and bottom of all boards that are clear. As a guide, you should be able to read the ICs and you should be able to see traces on the board as well as be able to read the component identification on the boards. If the boards are too large, then one photo of the whole board and then break up the board photos into quadrants.
- 2 A block diagram has not been provided. Please provide a block diagram. If the block diagram exists in another document, please extract this and provide the block diagram as a separate document. If you wish the Block Diagram to be confidential, please revise the request for confidentiality to include this Block Diagram.
- 3 Please provide a complete installation manual. If the manual is in excess of 4 meg, please break it into sections that are no more than 4meg file sizes.
- 4 The FCC requires that the test setup photos are to be separate files. Please extract the setup photos and make a separate document file.
- 5 Please provide the Parts list.
- 6 Please provide the tune up procedures.
- 7 The Summary of results states that the device is compliant to the 33dBW Max EIRP. The limit is $33\text{dBW} + 10 (\log \text{BW}/6)$ or 32.2. However, while the MPE Calculations state 27dBi as the antenna used to calculate MPE and while conducted power is stated to be 38.2dBm, your report has not specified what the gain of the antenna used to determine compliance to this limit. While it may be obviously compliant, the EIRP limitations must be addressed using the maximum antenna gain that will be used with this device. Please revise the report or otherwise provide this EIRP information.
- 8 FYI – on pages 28 and 31 of the report the reference is incorrect. You have EIA/TIA630 but it should be EIA/TIA603. No action needed.

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.