



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

March 23, 2004

RE: Long Range Systems

FCC ID: M74T1505

I have a few comments on this Application.

- 1.) Please confirm if the Schematics, Block Diagram, Parts List and Operational Description should be held Confidential. If so, then kindly upload the appropriate Confidentiality Request letter.
- 2.) The field strength limit for 467.75 MHz appears to be incorrect. Part 15.231 limits at this frequency by my calculations are 12,358uV. Please correct your Test Report. Harmonics are 20dB down from this level, for a level of 1,236uV.
- 3.) Please explain why there are two limits given for radiated emission measurements above 1GHz. I note that testing was performed at 1M per your explanation on pp.6 of 18, but I am still confused on the use of 71.4 and 63.5 dBuV.
- 4.) Please also note that some emissions fall within the Restricted Bands of 15.205. Please show compliance with this band to the 10th harmonic.
- 5.) In general, all emissions above 1GHz should be measured in both Peak and Average modes per ANSI C63.4. Please provide Peak and Average data.
- 6.) FYI: Please note that "worst case" radiated emissions for the fundamental do not necessarily predict worst case radiated on the harmonics. Please review your test procedure.

Regards,

William H. Graff
President and Director of Engineering

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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.