



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

October 1, 2004

RE: Microwave Data Systems

FCC ID: E5MDS-2710AC

I have a few comments on this Application. Depending on your responses, kindly understand there may be additional comments.

- 1.) Please provide a Tune Up procedure for this device.
- 2.) Please provide a Block Diagram of only the radio section for this product.
- 3.) FCC Part 2 requires the inclusion of E and I through the final amplifier circuit at full power. Please revise your report
- 4.) From observing the occupied BW, it appears that F3E emissions should be considered. This was not requested on Form 731. Please review and advise.
- 5.) Kindly provide full justification for all requested emission designators. You have provided Carson's Rule calculations for only one necessary bandwidth – please provide supporting documentation for all fundamental emissions, both analog and digital.
- 6.) It is not apparent if this device will be used indoors as well as outdoors on fixed permanent structures. Will this device be used exclusively outdoors? Please review and advise.
- 7.) Could this device be considered a computer peripheral? If so, then either DofC or Part 15 Certification may apply.
- 8.) Kindly identify each occupied bandwidth plot with it's associated emission designator including necessary bandwidth.
- 9.) FYI: There appear to be several discrepancies in the CFRs with regard to Part 90 equipment operating within the 216-220MHz band. Additional consultation with the Commission by AmericanTCB will be required. Please be patient.

William H. Graff
President and Director of Engineering

[mailto: whgraff@AmericanTCB.com](mailto:whgraff@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.