



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

March 30, 2004

RE: Microwave Data Systems, Inc.

FCC ID: E5MDS-EL806-24

I have a few comments on the above referenced Application.

EMC Report

- 1) It is uncertain how the device is compliant with the EIRP limit of +36 dBi for the +10 dBi gain omni and yagi. Please provide more detail and reference to pages in the manual where this information may be found. Note that page 46 mentions a decrease in power for > 10 dBi gain antenna, however the EIRP for these is +37 dBi for 10 dBi. Please explain. Although the Yagi may be considered as a point to point antenna that allows higher power, the manual does not appear to contain the information necessary for 15.247(b)(4)(iii). The omni antenna appears to exceed the +36 dBi requirement.
- 2) Given that the output power may adjusted in software, and this may be necessary for compliance, please explain how the device will be compliant to 15.15(b) for the end user(s).
- 3) For previous question 9, please provide information supporting the input bandwidth of the receivers vs. the TX bandwidth.
- 4) Although we agree with your response in Item 13, this doesn't appear consistent with page 8 of 34. Please explain why page 8 of 34 states a minimum permitted bandwidth of 1000 kHz (1 MHz)? Shouldn't this be 160 kHz?

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Examining Engineer

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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.