



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

September 29, 2004

RE: Crossbow Technology

FCC ID: SHU001MPR2400V01

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

- 1.) Kindly refer to page 7 of the Manual. Within the FCC rules a device cannot be both Class A and Class B. The digital portion of a device can indeed be Class A, but the radio board and any unintentional emissions generated specifically by the radio board and its associated circuitry must be Class B, except as provided elsewhere in Part 15. Please reword the manual statements accordingly.
- 2.) The equipment appears larger than the palm of the hand. Therefore the two-part labeling statement of 15.19(a)(3) applies. If the applicant feels the device meets the restrictions of 15.19(a)(5), kindly justify.
- 3.) Required statements of 15.21 appear to be missing from the Manual. Please check.
- 4.) Page 9 of the Test Report makes reference to ANSI C63.4-1992. Please be advised that there are newer editions of this standard which should be followed.
- 5.) I see no data to support compliance to 15.205. Please review. I do note that you state that emissions are more than 30dBc. However this is not satisfactory to show compliance with all the restricted bands. Your Test Report shows ~90dBuV as the radiated signal using a 1MHz RBW at the fundamental frequency. If we take 30dBc from this value we find that we are still considerably over the limit for 15.205.
- 6.) Can this device attach to the AC mains for the purposes of battery charging?
- 7.) Was radiated emissions testing performed in three orthogonal planes?

A handwritten signature in black ink, appearing to read "William H. Graff".

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.