



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

June 17, 2004

RE: FCC ID: MS3UFM2003\_ATCB001432

Attention: Leon Kogan

I have a few comments on this Application. Please note that further comments may arise in response to answers provided to the questions below.

1. Please provide the users manual or users guide with all of the appropriate FCC part 15 statements (i.e. 15.19, 15.21 etc).
2. Please note that for part 15 devices 47CFR 2.1033(a)(6) states that "The report shall include sample calculations showing how the measurement results were converted for comparison with the technical requirements." Please note that only the end results are shown in the report. Please provide the required sample calculations and information on how the measurement factors (i.e. antenna factor, cable factor and preamp factor) is included in the measurement results.
3. Please note that 15.239(a) states, "(a) Emissions from the intentional radiator shall be confined within a band 200 kHz wide centered on the operating frequency." Please note that, while the plots labeled for bandwidth appear to be compliant, the plots on pages 18 and 20 indicate that the bandwidth is greater than 200 kHz. The plots on pages 18 and 29 use a video bandwidth of 3kHz while the plots of the bandwidth on pages 28 through 30 use 30kHz. Generally, the lower video bandwidth would reduce side band emissions as it begins to average (please note that averaging does not actually begin to have meaning until the video bandwidth is no greater than 1/10 the resolution bandwidth). Please note that as the lower video bandwidth would begin to reduce the side bands and as these plots seem to be greater than 200kHz bandwidth, the plots on pages 18 and 20 of the report would seem to disagree with the bandwidth plots on pages 28 through 30. Please explain.
4. Please note that the antenna should not be laid on wooden table tops. The antenna should be supported by nonconductive material (foamed-polystyrene blocks for example) above the table. As the antenna is part of the cable, please verify that the device is still compliant when the antenna is properly placed above the wooden table top. Alternately, please provide evidence that the EUT setup as shown is the worst case antenna placement.

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.