



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

October 13, 2003

RE: FCC ID: LUBCSA-1_ATCB000836
Attention: Bob Cole

I have a few comments on this Application.

1. Please note that the DoC label and the certification label are two different labels. The FCC ID should not be in the DoC label, but should be on the device as its own label. By placing the FCC ID number inside the DoC label, this indicates that the DoC label is also a certification label. This is not the case. Please separate the FCC ID number from the DoC label. The CSA and FCC ID numbers can be just above or just below the DoC label if desired, but should not be part of the DoC boxed in area. x
2. Please note that your conducted power measurements were performed incorrectly. Hopping is to be stopped and the resolution bandwidth is to be greater than the 6dB bandwidth of the signal and the video BW equal to or greater than the Res BW. Your plot of conducted power shows the hopping is enabled and it shows the resolution BW to be only 30kHz.. Please also note that the note about the LISN shown in section 6 page 8 of the report would apply to line conducted, not antenna terminal conducted measurements. Please provide test results in accordance with the accepted FCC procedure fcc97114. x
3. FYI – Please note that power density (PPSD) is for DTS and/or direct sequence devices, not FHSS devices. As such PPSD is not required for FHSS systems. x
4. Please note that for proper measurement of the 20dB bandwidth the hopping function must be stopped. Please provide test results for bandwidth measurements with the hopping function stopped. Alternately, please explain why the hopping function was not stopped and why this meets the accepted FCC test procedures for FHSS bandwidth measurements. x
5. Please note that the FCC limit above 1GHz is average. Please note that in the table on page 28 of the report you show the detector function as QP above 1 GHz. Please correct. x
6. Please note that in table 1 on page 29 the limits are incorrect. Please correct the report to use the correct limits. x
7. Please note that the report states that the restricted band measurements were done via conducted measurements. Please note that the restricted band requires a radiated emissions measurement (see the last sentence in 15.247c). Please address the required peak (74dB) and average (54dB) limits for radiated emissions in the restricted bands. x

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.