



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

August 18, 2002

RE: Logitech Far East Ltd.

FCC ID: JNZ221613

After a review of the submitted information, I have a few comments on the above referenced Application.

- 1) The block diagram should show the frequency of all oscillators in the transmitter portion of the device (CFR 2.1033(a)(5)). Please provide a corrected copy.
- 2) Based on information given by the FCC, (see attachment), it is our understanding that this submittal will need to be separated into 2 independent submittals, one for the joystick, the other for the USB transceiver. Please let us know how you wish for us to handle this submittal (i.e., should this application be for the joystick or the USB transceiver). We are going ahead and proofing all information supplied assuming the device being certified is the joystick portion.

The remaining questions assume that that this submittal
will be for the joystick portion of the system.

- 3) Please provide a cover letter stating the device being certified in this application is the joystick portion only, and to ignore any information given related to the USB transceiver portion.
- 4) The schematics appear to be of the main portion of the joystick. However, schematics were not provided for the RF TX circuitry. Please provide the missing schematics.
- 5) The internal photographs show an antenna labeled as "ANT2". Where is antenna 1?
- 6) Please provide an updated RF exposure exhibit for the Joystick portion only.
- 7) Please show compliance at the bandedge, given the frequency hopping transients at the bandedge, as can be seen in the plots given on page 20 of the test report.
- 8) This device shall use a pseudorandomly ordered list of hopping frequencies. Please explain how this device accomplishes this and also provide sample hopping tables.
- 9) System receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals. Please provide information that shows this device does this.
- 10) Please provide information showing compliance with 15.247(g)/(h).
- 11) FYI, the wireless USB TX portion of the system is applicable to DoC labeling as well. It does not appear that the label includes this.

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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.