

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

November 5, 2001

RE: GemTek Technology Co., Ltd.

FCC ID: MXF-C900924

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

- 1) The manual states that the antenna system is an internal patch antenna, while the test report is for the EUT with a monopole and dipole antenna sets. Please comment on this discrepancy.
- 2) Please clarify the use of one or two antennas for each model. One version appears to have a single antenna, the other 2 antennas. Is this correct?
- 3) One model of the EUT seems to support diversity. Is the diversity used for receive only, or does it also function for the transmit path? If it does function for the transmit path, was a specific test methodology or engineering judgment made for purposes of determining which antenna path was selected for testing.
- 4) The information provided states that the EUT is capable of multiple data rates. Please comment on what effect the data rate has to the bandwidth of the fundamental emissions. Does the data rate affect the results obtained for the fundamental power and/or 6 dB bandwidth tests? If for example the data rate does affect that bandwidth, usually the smallest bandwidth should be submitted for the 6 dB requirement. With respect to the power output, it is sometimes necessary to provide data for various data rates depending on how the fundamental is affected by this.
- 5) FYI.....This device is considered both a Part 15 transmitter and a class B PC peripheral and is subject to the labeling and user manuals requirements for both. Although not required, it would be nice to also have a copy of the information sheet specified in 2.1077 (required for the DoC approval) included as part of your users manual exhibits.



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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.