



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

September 29, 2002

RE: GEMTEK TECHNOLOGY CO., LTD.

FCC ID: MXF-R910625

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

- 1) Please comment if the device was tested with the maximum RF output level?
- 2) The original users manual page 42 mentions using shielded cables. The new users manual is missing ALL FCC statements regarding Part 15 and RF exposure. Please correct the users manual to include the proper statements. Also please comment on if the Ethernet cables used during testing were shielded or correct the appropriate sections of the FCC statements regarding shielded cables.
- 3) The maximum radiated received output power at 3 meters was 100.1 dBuV/m. Given an output power of 166 mW and 10 dBi gain antenna, this is about 39 dB below the fundamental power. Using far field equations and also that the radiated measurement was made using a 1 MHz bandwidth, the results are still significantly below what is expected. Please explain.

Timothy R. Johnson  
Examining Engineer

Direct Phone: 404-414-8071

[mailto: tjohnson@AmericanTCB.com](mailto:tjohnson@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.