



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) The block diagram provide is only for the digital device portion of the product. Please provide a block diagram of the RF section as required by 2.1033(b)(5). This should show the frequencies of all oscillators within the device.
- 2) Labels were submitted for 2 different models (P380A & P390A). The test report states that the difference is software, but further information regarding these models could not be found in the application. Please provide further information which explains the differences between these models.
- 3) The schematics appear to be for the digital device portion of the product only. Please provide the schematics for the RF section of the product.
- 4) The users manual shows a screen that appears to allow adjustment of the output power of the device. Please comment as the end user should not be able to adjust the output power beyond any settings tested for FCC compliance (47 CFR 15.15). Please comment. Also, was the device tested for the maximum levels?
- 5) The users manual page 42 mentions using shielded Ethernet cables. Please comment on if the Ethernet cables used are shielded.
- 6) 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.

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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.