



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

March 28, 2005

RE: Troy Group, Inc.

FCC ID: PTY-TROY200

I have a few comments on this Application. Depending on your responses, kindly understand there may be additional comments.

- 1.) Please provide application forms for this filing.
- 2.) The Block Diagram supplied is a system Block Diagram. What is required is a Block Diagram for the RF portion of this device. Kindly supply a Block Diagram for the mini-PCI RF card used for this product.
- 3.) Kindly help me identify the Schematic for the mini-PCI RF portion of this device. I am having difficulty understanding which schematic to reference for the transmitter section of this filing.
- 4.) Please note that spectrum analyzers are often have difficulty accurately measuring the RF power of any emission when the 6dB BW of the emission to be measured is larger than the RBW used in the measurement. This is especially true for "flat top" OFDM emissions. Kindly consider using alternative means to confirm the RF power shown in your Test Report.
- 5.) Kindly consider re-measurement of the RF power for this device. In general, 802.11b produces higher power than 802.11g. Please check against all data rates and provide "worst case" data for both 802.11b and 802.11g. Please note: This may effect spurious emissions and restricted band radiated data.
- 6.) Kindly provide radiated field strength data for low and high channels using the "worst case" antenna for highest power data rate in 802.11b and 802.11g mode. This will aid me greatly in evaluating the rest of the Test Report.
- 7.) FYI: In general, for FCC filings it usually is not necessary to provide internal photos of the AC adapter.
- 8.) Kindly expand the Operational Description for this device to include a more complete description of the mini-PCI RF card used for this product.

William H. Graff
President and Director of Engineering

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