



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

October 9, 2006

RE: TP-Link Technologies

FCC ID: TE7WA50XG

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

- 1.) There is some confusion in my mind about the component described as AR 2415 and AR 2315 in the Block Diagram, Schematics, and Operational Description. What is it and what does this do? Is there a problem with properly identifying this device? I am confused.
- 2.) Please note the Operational Description and Block Diagram are identical Exhibits. This is not allowed. Please provide unique Exhibits for both the Block Diagram and Operational Description.
- 3.) The label is incorrect. The proper format is "FCC ID:" and not "FCC Id:". Please revise.
- 4.) I do not see required 15.19(a)(3) language on this product. Since this device is "larger than the palm of the hand", then this required compliance language must appear on the device. Please review.
- 5.) Please review page 18 of the Manual. It appears that the end user is able to set regions/countries. This is absolutely not permitted under FCC rules. Only devices for which the end user has no ability to select operational characteristics which may allow the device to be set to frequency or power settings in violation of FCC rules are allowed for sale in USA. Please review.
- 6.) FCC is now requiring more details about the operational state when RF power and band edge measurements were performed. Please provide details about what data rates were used and what on/off transmitter pulse rates were tested.
- 7.) FCC is also recommending that RF Exposure reports be removed from all test reports and supplied as a separate RF Exposure exhibit. Please review and provide.
- 8.) Based upon the reported RF power and antenna gain, the expected peak radiated 3 meter field strength seen in your plots on pages 23 to 30 should be well over 120dBuV. [+23dBm + 2.5dBi EUT antenna – 11.7dB path loss for a 3M site] I question whether the device was properly peaked prior to testing the radiated band edge test. Please review your 15.205 radiated restricted band edge test.

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.