



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

September 21, 2005

RE: Ubiquiti Networks, Inc.  
FCC ID: SWX-SRC

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

- 1.) The Manual is very short and has much of the required compliance information correctly identified. However, one item that is not available to check is the channels settings available for this device. Is this WiFi product capable of 13 channels in the 2400 MHz band? If so, then how will only the permitted channels of 1-11 be available in North America?
- 2.) Does this device employ "passive scanning"?
- 3.) The labeling on this device [see External Photographs] identifies this as a 300mW transmitter. However, the Test Report and Form 731 show in excess of 600mW. Is the Form 731 and Test Report correct?
- 4.) Assuming the 600mW setting is correct, I have some questions about the restricted band edge test at 2483.5MHz when set to channel 11. Assuming an output power of +25dBm feeding an antenna of +5dBi gain, I would expect to see the peak radiated field strength easily in excess of +120dBuV. [+25dBm + 5dBi + 107db -11.7db] The maximum field strength seen in your test report Section 5.6 is only 112dBuV. This makes me question whether the device was properly rotated and optimized to find the peak values before measurements of peak and average emissions. If I have mis-understood the Test Report, my apologies – kindly show me where my assumptions are incorrect. An example calculation would be helpful.

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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.