



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

April 20, 2007

RE: E-Top Network Technology

FCC ID: U6AWM101M

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

- 1.) FYI: I see you have just uploaded revised photos. The FCC requires that all documents be separated into specific Exhibits. This means you cannot provide a single photo set. We are required to have separate Exhibits for External Photos, Internal Photos and Test Setup Photos. If any single document exceeds 4MB (the largest single size file accepted by the Commission), we will ask that you divide the photos into multiple files. Please be sure that all photos are clear enough to read the designators off the printed circuit board. Simple orthographic projection is preferred.
- 2.) The Block Diagram shows a single part RT2529 which contains an unidentified oscillator. Please review and identify by frequency on this Exhibit.
- 3.) Please indicate the country where the DoC was tested for FCC EMC compliance.
- 4.) Is the end user able to select a country code?
- 5.) FYI: Your detail about RF power over different channels and different data rates is perfect – please continue this table in all test reports. One word of caution – please do not depend too much on channel power measurements for accurate RF power measurement. If RF category “Portable” measurements are needed, you will need an absolute accuracy of less than 10% - I believe a spectrum analyzer is not capable of this resolution.
- 6.) MIMO RF power is expected to be a Composite power, but no details of how that is accomplished are presented. Please review and correct as needed.
- 7.) Please provide an RF Exposure Estimation (MPE) as a separate Exhibit.
- 8.) For the Radiated Restricted Bandedge test (15.205), it would be appreciated if a plot of 40MHz span, centered directly on 2400 and 2483.5 MHz be presented. Two plots should be presented for each band edge – one Peak and the second Average – with a 54dBuV limit as appropriate.
- 9.) Please provide a sample calculation demonstrating that your laboratory’s 3 meter test setup has adequate sensitivity to see to the 54dBuV average levels at 18GHz. Please include noise floor, cable loss, ACF, amplifiers, etc.

William H. Graff
President and Director of Engineering

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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.