



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

May 16, 2005

RE: FCC ID: REP-3200-1_ATCB002423
Attention: Hoss Hakimi / Ivy Chen

I have a few comments on this Application. Please note that further comments may arise in response to answers provided to the questions below.

1. Please note that unless the device is labeled correctly, it is not considered certified by Canada. Please note that RSP100 states that the certification number SHALL appear as follows: "IC: XXXXXX-YYYYYYYY". Please note that this means the label provided for Canada in the application is not proper and thus the device would not be considered certified. Please correct the label and replace the words "Canada ID: 4988A-32001" with "IC: 4988A-3201".
2. Please note that the 731 states the FCC ID on this device is REP-3203-1. Please note that the label exhibit states the FCC ID is REP-3200-1. Please be consistent in the FCC ID number throughout the documentation. Please correct all documentation to reflect the correct FCC ID number.
3. Please note that the RSP100 form only shows the emissions designator for one band. Please provide the emissions designators for of the bands. Please also list the max powers for each band on the RSP100 form.
4. Please note that this device has several equipment types that need to be on the RSP100 form. The device is a Spread Spectrum Device (2400-2483.5 MHz), a Spread Spectrum Device (5725-5850 MHz) and a LAN or WI-FI device. Please indicate ALL appropriate radio types on the RSP100 form.
5. The operational description states "the antenna type provided with this system is an Omni directional antenna with an 8dbi gain overall EZRP is 28db." Please explain what EZRP is. Do you mean EDRP or EIRP?
6. Please note that the MPE is not correct. Please note that you must use the highest gain antenna in your calculations. The MPE report lists two antennae. One has a gain of 3dBi and the other has a gain of 8dBi. The values you gave for the 2.4GHz range are only for the maximum power listed and the 3dBi antenna. With an 8dBi antenna the S (power density) value would be 0.071 and not 0.022w/cm² listed. Please correct the MPE report.
7. Please note that it does not appear that you have provided the actual schematics of the transmitter. Please provide these schematics.
8. Please note that 15.407(b)(2) stipulates that the 5.15 to 5.25GHz range can only be used indoors. Please note that the manual states this is an outdoor unit. This is not allowed in the above mentioned frequency range. Please explain how the 5.15 to 5.25 GHz range is disabled in the outdoor unit so the user and installer cannot enable use of the device in this range.
9. Please explain why, on pages 8 through 19 of part 5 of the 2.4GHz test report, you are comparing what looks to be the fundamental with the restricted band spurious emissions. Please note that this appears to be done in all of the radiated data. Please explain.

Dennis Ward
<mailto:dward@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.