



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

September 2, 2003

RE: 2Wire, Inc.

FCC ID: PGR2WHPLHW

After a review of the submitted information, I have a few comments on the above referenced Application.

- 1) From review of the internal photographs, the device appears to have 2 antennas. However the block diagram appears to show 3 antennas. Please provide labeled photographs or further information to clearly show which antennas are TX and which are Rx.
- 2) The RF exposure and test report mentions that the antenna gain is 2 dBi, while the block diagram appears to show 0.7 dBm(?). Please explain.
- 3) The test report states that "the ethernet ports were not connected, as these are not required during the test portion". The FCC expects Part 15 devices to be tested under worse case conditions/configurations since it is uncertain if cables may contribute to the radiated readings and the number of cables used by the end user is installation dependent. Note that ANSI C63.4 section 13.1.2 for intentional radiators references section 6.2 for configuration of the device. Preliminary testing or additional testing should have been performed in order to evaluate the effect (if any) that these cables have on measurements > 1 GHz.
- 4) Please explain the difference between the 1800HW and 1000HW models that appear to be covered by this application.
- 5) FYI, the RF exposure mentions UNII band. This device falls under spread spectrum/DTS bands, not the UNII band.
- 6) FYI, this application only covers the requirements for Part 15. Note that applicable Telecom requirements are not included in this certification.

A handwritten signature in black ink, appearing to read "Timothy R. Johnson".

Timothy R. Johnson  
Examining Engineer

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