



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

May 29, 2003

RE: FCC ID: PKW-WMP54GV2

Attention: Ellis Wu

I have a few comments on this Application.

1. FYI – no action needed. Please note that conducted emissions IAW CFR47 part 15 is both QP and Average and both margins should be in the report. Generally if the QP reading or the peak reading is below the average limit the device is considered compliant. But these readings need to be compared to both the QP and average limits. This is especially true when the average reading has not been taken and the QP of peak is used to show compliance to the average limit but these readings are close to the average limit. For example, if no average reading was taken and the QP reading was 11dB under the QP limit, the actual margin is only 1dB from the average limit.
2. The typical gain of a dipole antenna is 2.14dBi. Your report states the gain of the dipole is 5dBi. Please verify that this is a dipole and that this is the actual gain. Please explain why the gain is so much higher than would be expected from a normal 1/4 dipole antenna. If this is not a dipole but some other kind of antenna, please explain. **Using full wave dipole**

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.