



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

January 21, 2004

RE: Quantra Computer

FCC ID: HFSZW9WM3B2200BG

I have a few comments on this Application. This filing is very confusing. If you desire to file using a Limited Modular Approval (LMA) under DA 00-1407 then the original FCC ID (Intel) associated with the mini-PCI card must be used.. If the Applicant (Quantra) desires to file under their own FCC ID, the entire notebook computer with mini-PCI WLAN card must be considered. More discussion is listed below.

- 1.) The Block Diagram does not meet the requirements of 2.1033(b)(5). Please revise.
- 2.) The Label contains two FCC IDs. This is contrary to FCC rules, and potentially confusing. Please revise.
- 3.) Since this FCC ID will apply to the entire model ZW9 product line only, a Limited Modular Approval (LMA) is not appropriate for this filing. In addition, since no Declaration of Conformity information is provided, this device will be recorded as a Composite application. Two Grants will be generated – one for the Intentional Radiator located inside the ZW9 chassis under Part 15C, and a second for the Unintentional Radiator using Part 15B.
- 4.) Section 4.7.2 of the Test Report lists only one antenna, while Section 3.1 lists two. The SAR report also lists two antennas. Please explain and correct.
- 5.) The Test Report shows Channel 1 in OFDM mode is 5dB below the other reported powers for the mid and high channels. We do not see this same drop in power on Channel 1 when the equipment is in CCK mode. Please advise. Is the equipment working properly? Was the test equipment and cables operating properly?
- 6.) The Operational Description refers to just a single antenna only. Please resolve this discrepancy.
- 7.) The Manual only addresses the mini-PCI 802.11g transmitter only. Since the new ID refers to the entire product, may I suggest a Manual for the entire notebook computer with the WLAN card installed?
- 8.) Page 72 of the Users Manual has an error for the US available frequency range. Please correct.
- 9.) The highlighted sections of the Manual on pp. 89 of 94 are redundant and unnecessary.
- 10.) There are several references within the manual to FCC ID: PD9WM3B2200BG which is not needed. These must be removed.

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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.