



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

December 7, 2001

RE: Sony

FCC ID: AK8PCG441L

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

- 1) Please provide clearer photographs for the top of computer, bottom of computer, & top view of LAN module. The supplied photographs were either too dark or blurry.
- 2) Please provide the following additional photographs: the back of the computer, top view of LAN module with shields removed, & bottom view of LAN module with shields removed.
- 3) Please upload an exhibit for the operational description and test configuration photographs.
- 4) The power listed on the 731 should be listed in the same manner as the limit set by the FCC (i.e. ERP, EIRP, or conducted). For this application, the power listed on the 731 form should be specified as the maximum conducted power measured (14.7 dBm = 29.5 mW) and not the EIRP measurement. Also, please list the frequencies as 2412-2462 MHz on the 731. Please provide a corrected 731 form.
- 5) The test report states that the integral antenna is 2.14 dBi gain, while the MPE calculations & Peak Output Radiated use 1.64 dBi gain. Please comment and/or correct affected items.
- 6) The EUT consists of a PC + transmitter integrated together and is subject to the applicable requirements of both. The report provided for certification only covers the transceiver portion of the device. However to meet all the applicable requirements for this device, the laptop should have also been tested (with the transceiver installed) with all ports fully populated (i.e. the additional ethernet, telephone, headphone, etc.) to meet the DoC requirements as a personal computer. Please confirm that the EUT has been properly evaluated and tested in a fully populated configuration (and with the transceiver installed) or provide a copy of the DoC report.
- 7) There is approximately 5 dB difference between the peak conducted power (A16) and the peak output radiated power (A9) (measured and corrected using 2.14 dBi). Please explain.
- 8) The maximum peak radiated power of the fundamental is shown in A9. However, please provide further information to show compliance with the restricted band at the 2.4835 GHz bandedge.

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.