



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

January 27, 2002

RE: Sony

FCC ID: AK8PCG631L

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

- 1) The test report shows measurements up to 24 GHz, yet the test equipment lists does not seem to show any antenna capable of > 18 GHz. Also, please check equipment list given on page 11 of 15. Please comment and/or correct affected items.
- 2) The information on page 5 of the report states the unit has a PCMCIA-Bus, while the operational description for the radio states it is a mini-PCI card. Please comment and/or correct affected items.
- 3) The power listed on the 731 was not the maximum given from page A12 (14.8 dBm = 0.0302 W). Please comment and/or provide a corrected 731 form.
- 4) There appears to be about a 30 dB difference between the peak and average readings for the spurious emission seen at 1.69 GHz. Please comment as to this large variance when most readings only have about a 13 dB variance.
- 5) 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.
- 6) 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.