



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

February 10, 2003

RE: Airespace

FCC ID: QTZVAP1200

I have a few comments on the above referenced Application.

- 1) The external photos appear to show 2 RF connectors (possibly TNC). However these connectors do not appear to be shown in the internal photographs or test photos (these appear to contain 2 different RF connectors-possibly SMA). None of these ports appear to have been used. Are these photographs of the same device. Please explain.
- 2) Please provide photographs and descriptions of each antenna used in/within the device.
- 3) The internal photographs must show the top and bottom of each board. However the internal photographs only appear to show the top of one main board. Additionally, close up photographs of the RF TX boards should be provided (including the top and bottom and also with the subshields installed and removed). Please provide additional photos as necessary.
- 4) Please label one of the photographs to show which antennas are for use with what part of the TX (i.e. 15.247 vs. UNII).
- 5) Please provide a exhibit for the operational description of the device.
- 6) The schematics/block diagram show a variety of internal/external antenna possibilities. Please provide a list of the specific antenna configurations tested and included for compliance of this device. From the test photographs, it appears only the internal antennas were tested.
- 7) The FCC statements in the users manual state the device is a class A device. Please provide a justification for Class A environment.
- 8) The users manual mentions various models of the EUT with different combinations of A/B cards. Please call to discuss. Note: The part list explains that the device has an RF card access panel.

15.247 Specific Information

- 9) The RF exposure mentions +17 dBm setting, however the maximum power listed is 15.29. Was the device not functioning correctly or was there additional loss measured through a switch? Please explain. Note that the device is expected to be tested under the highest TX power and match the manufactures expected power.
- 10) Page 4 of the test report states the antenna are "integral" to the 802.11 A/B boards. Is this correct or are they integral to the host device?
- 11) Please explain precautions that are in place so that the end user is not capable of setting the low or high channels to +17 dBm. For instance the drivers should not allow the +17 dBm setting on these channels.
- 12) The test data from Elliott labs seems to show data entitled (Atheros Reference Card) that are higher than the final measurements shown. Please explain.
- 13) Note: For antenna conducted spurious measurements, the FCC specifies 100 kHz. Please use this setting for future submittals.

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Examining Engineer

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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.