



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

August 27, 2004

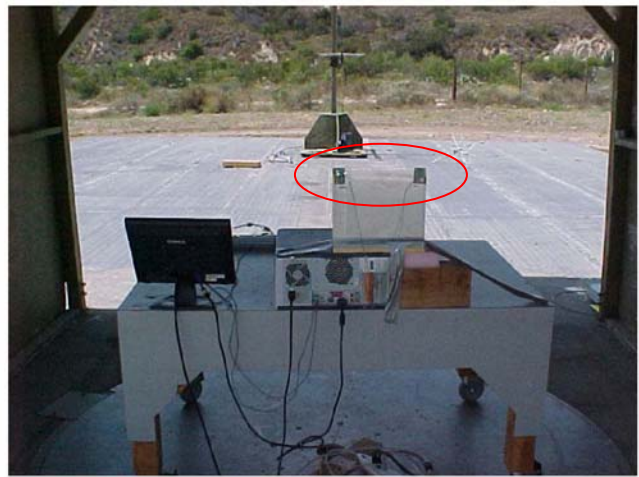
RE: Intel Corporation

FCC ID: PD9FJ3B2915ABG

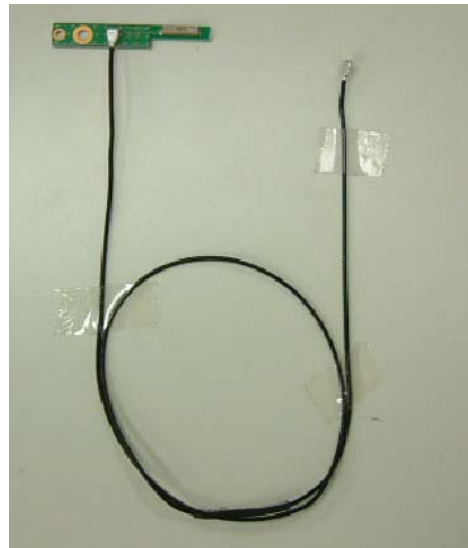
After a review of the submitted information, I have a few comments on the above referenced Application.

**Administrative Issues:**

- 1) The channel attestation provided appears to list the incorrect FCC ID number. Please verify the model number information as well.
- 2) Power listed on page 12 of the theory of operation suggests higher power than measured. Please explain if this page is the intended TX power or not. Note that the FCC expects the device to be TX at the highest output power possible.
- 3) Please note that the FCC no longer desires that the safe distance for mobile devices be calculated in the RF exposure exhibit if the safe distance is  $< 20$  cm, but instead prefers the power density results to be calculated at 20 cm and compared to the power density limit.
- 4) Regarding the MPE calculations, It appears that the maximum gain for Pumpkin antenna in the 2.4 GHz band is actually 2.31 dBi, not 2.65 dBi. Please review and correct if necessary.
- 5) Regarding the MPE calculations, It appears that the maximum gain for Pumpkin antenna in the 5 GHz band is actually 2.95 dBi, not 2.65 dBi. Please review and correct if necessary.
- 6) Photographs of the antennas provided in the antenna information appear to be much different in size/shape than the test photographs. Please explain.



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- 7) Gains in the test report for the Mint and Pumpkin antenna do not appear to match the antenna information provided.
- 8) Limits on page 33 & 34 of the DTS test report do not appear correct (60 and 80 dBuV/m). These limits also appear many times elsewhere in the DTS report and throughout the UNII report but is uncertain what these are. Please explain the derivation of these and/or correct as necessary.
- 9) Please explain the derivation of the 68 dBuV/m limits on pages 31 & 32 of the DTS report. Note this is duplicated throughout the report. This appears to be the limit is for the -27 dBm UNII limit, although this is a DTS report. Please explain.



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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.