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

December 24, 2003

RE: Wistron Neweb Corporation

FCC ID: NKRMS2143RM8

Dear Mr. Timothy R. Johnson

Here are our answers:

1) Please provide photographs as necessary to show the inside of the laptop and how the TX card is installed in the laptop. Additionally please provide internal photographs of the laptop sufficient to show the general construction and layout of the laptop and placement of components in the chassis.

[Ans: See internal photo location 1,2,3,4.](#)

2) This device appears to have been subjected to a DoC authorization as given from the labeling. Testing for the TX portion shows a limited configuration. Note that compliance under the DoC authorization for the device as a class B PC requires a fully configured test configuration according to ANSI C63.4. Please confirm that the device has properly tested using a fully configured system for the DoC authorization.

[Ans: Yes, this device also has been finished testing with FCC part 15C](#)

3) Page 83 of the users manual mentions a 20 cm separation distance. This is not considered correct since the device may be used in the lap. Please correct.

[Ans: It has been modified, please see manual aspire 1500 update.pdf](#)

4) This device has also been subject to a DoC as given by the type of device an labeling. However the users manual must also contain the Statement of Compliance information for DoC's

[Ans: A declaration letter was uploaded, please see acer manual doc.pdf](#)

5) On page 26 of 40 of the first part of the EMC report, the difference between Peak and Average values for the fundamental appear to be about a delta of 16 - 22 dB. Typically the difference between peak and average on this type of transmitter is only 10-12 dB, regardless of 802.11b or 802.11g. Note that the results for the 802.11g show approximately a delta of 10-12 dB. The larger delta for the 802.11 b tends to suggest that maybe the fundamental was not configured properly for continuous transmission during this test and possibly a larger VBW should be used. Note that the VBW must be $> 1/T_{on}$ time. Please explain.

Ans: We test 11b bandage again, and set the VBW as 1KHz when measuring average. The detail data are showed in the updated report. We can also find the Band Edge measurement value in Restricted band is still under 54dBuV, please see update report page 26, 28,30

6) Please comment on if the scan procedures given on page 16 for the SAR system validation also apply to the general scan procedures for the test scans.

Ans: See the updated SAR report. [MS2143SAR update.pdf](#)

7) The test report states that numeric results are not provided due to low levels obtained. Given the power levels of the device and antenna gain, results would normally be expected. It appears unusual that measurable results could not be obtained and that possibly something was wrong with the device during the test. Note that this device may transmit out of one of 2 different antenna. Were both antennas checked to ensure the proper antenna was being placed against the phantom during the test? Please verify and or provide additional data as necessary.

Ans: We repeat the SAR testing to the PC with WLAN, ensure the proper antenna was being placed against the phantom during the testing, and find the worst data showed in the report, please see the update SAR report

Thank you for your attention to this matter.

Sincerely,

Daphne Liu
International Standards Laboratory