



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

January 19, 2004

RE: Wistron Neweb Corporation

FCC ID: NKREM500AG

I have a few comments on the above referenced Application.

Basic Information

- 1) FYI...For future applications, a composite device may contain a single 731 form, which includes the necessary information for both parts of the device. Further action on this item is currently not necessary.
- 2) FYI....The Equipment codes on the 731 form are DTS for 15.247 Digital Transmission System. Further action on this item is currently not necessary.
- 3) The block diagram should show the frequencies of all oscillators in the device (CFR 2.1033(a)(5)). Please provide an updated version that includes this information.
- 4) The specifications sheet states the output power for each mode of operation is < 30 dBm. This implies that the power is close to 30 dBm. The output of the device appears much lower than 30 dBm. Please adjust the specifications sheet.
- 5) The modular letter references power regulation to 2.5 V. However, it appears that in the 5111 chip, that the PA inputs are powered from un-regulated 3.3 V. Please explain as the TX portion of the device needs to be properly regulated to meet the modular requirements.
- 6) The users manual should instruct OEM integrators that they are not to provide any information to the end user regarding hot to remove or install the device.
- 7) The users manual should instruct the OEM integrator on how to apply appropriate RF exposure information in their users manual. For instance:
The users manual for end users must include the following information in a prominent location
"IMPORTANT NOTE: To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter."
- 8) The user manual appears to be missing information regarding 15.21.

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- 9) Radiated emissions data on pages 15-17 and 37-39 appear to be compared to the average limits. However it is not certain if the measurements are peak or average (although they appear to be average measurements) as they are not marked appropriately. Note that peak measurements must also be shown if the results already provided are strictly average measurements.
- 10) Please provide a separate exhibit containing just the RF exposure information.

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- 11) 802.11 peak excursion measurements do follow the settings given in the Public Notice recommendations provided by the FCC. Please provide. See attachment.
- 12) Radiated emissions data on pages 78- appear to be compared to the average limits. However it is not certain if the measurements are peak or average (although they appear to be average measurements) as they are not marked appropriately. Note that peak measurements must also be shown if the results already provided are strictly average measurements.
- 13) It does not appear that the test report provides information regarding compliance to 15.407(b)(3). Please provide.
- 14) Please provide information in regards to compliance of 15.407(c).



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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.