



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

July 22, 2003

RE: NETGEAR, Inc.

FCC ID: PY3WAG311

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

- 1) The conducted powerline photographs appears to show copper tape around the card brackets and the back of the PC. Please explain as the PC used for testing should be an unmodified off the shelf unit. Use of copper tape should not be used during final EMC testing in an off the shelf host device.
- 2) The power meter used for testing on page 44 of the test report utilizes a VBW = 5 MHz. The FCC has recently had concerns with power measurements using this type of meter on signals with a bandwidth > VBW. Please provide new power measurements using a signal substitution methods with a signal generator and Oscilloscope and also adjust the RF exposure information as necessary.
- 3) The RF exposure exhibit uses the incorrect power measurements for 5745 and 5805 MHz. Please correct.
- 4) The delta on page 60 appears to be (0.79 - -47.52) 48.31 dB and the average power measured on page 30 for the fundamental appears to be 100.1 dBuV/m. If this is correct, please adjust the Note (2) calculations on page 58 as appropriate.
- 5) One of the 10520 MHz measurements on page 78 is incorrectly marked as a restricted band. Please correct.
- 6) The plot on page 120 and 121 do not appear to measure to the higher emissions shown in the restricted bands. Please provide new plots that measure to the highest signal in the restricted band.
- 7) This device is not considered to be compliant with 15.407(d). This requires the device to contain an integral antenna. Note that connectors are only allowed if they are located behind a shield or other components so the end user does not have any access to the connector.
- 8) This device does not appear to be compliant with 15.407(d) which requires the device to contain an integral antenna. Note that connectors are only allowed if they are located behind a shield or other components so the end user does not have any access to this connector.
- 9) Page 3 of 77 in the users manual shows a 2.5 cm distance. Note that this device should be classified as a mobile device. Mobile devices are required to stipulate a 20 cm user to antenna distance. Please adjust the manual.
- 10) The users manual is missing the prohibition against co-location. Please update the users manual.
- 11) This device operates in the lower UNII band. However the users manual is missing the information required by 15.407(e) restricting its use to indoor use only. Please adjust the users manual.

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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.