



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

December 24, 2002

RE: NextNet Wireless Inc.

FCC ID: PHX-MMDS-CPE4

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

- 1) The block diagram should show the frequencies within the TX portion of the device (CFR 2.1033(a)(5)). Please provide an updated block diagram.
- 2) This device contains an Ethernet port and is therefore considered a PC peripheral under Part 15 for the Digital Device emissions from the device. Therefore this device is also subject to both the radiated and conducted emissions under Part 15 with the device in an idle mode of (either a Certification or DoC at the discretion of the manufacturer). Please note that for this test the device must be configured as part of a minimum configuration (including a PC + 2 additional I/O connections) as specified by ANSI C63.4. Please explain whether the device is to be subject to a DoC or Certification for the PC peripheral requirements. Please note that the device does not contain DoC labeling information or a statement of compliance (2.1077) as required for DoC authorizations nor has the digital device data been presented as part of this application as would be required for a certification.
- 3) The users manual should also include the required information specified by 15.105 and 15.21.
- 4) It is not clear if the device always contains one or two antennas. Please provide an additional photograph or information that shows the antenna(s) of the device and how they are integrated into the device.
- 5) Regarding the RF exposure measurements made, please comment on the measurement instrumentation. Note that diode detectors can underestimate field levels in high peak pulsed-signal fields due to diode saturation. Also, please provide information regarding the measurements uncertainty of the equipment used.
- 6) Licensed bands have typically required EIRP measurements for the fundamental to be made using a substitution method. Please comment.
- 7) Part 21.908(d) and 74.936(f) state that out of band emissions are required to meet 60 dB. This test report uses  $43 + 10 \log(2)$ . Note that 60 dB below the EIRP is slightly more stringent than  $-13 \text{ dBm}$  calculated using  $43 + 10 \log(2)$ .
- 8) Please comment on the 2 antennas. Are these considered to be phased-array or steered-beam antennas?

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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.