



September 8, 2003

RE: Netgear Incorporated, FCC ID: PY3-ANT24BX

Our responses to your comments on the above referenced application, are embedded with the issues that you raised.

1) Your last response mentioned that the panel/patch antennas are being removed from the application. However they are still listed in many portions of the operational description. Additionally it appears that 3 other antennas (ANT24P3, ANT24P4, ANT24P93) were not included in the operational description. Please correct this exhibit to be consistent with the rest of the application.

*In the period between submitting the response and receiving your feedback I have received additional test data that supports compliance of the system with the panel/patch antennas. I am submitting a complete test report that covers all antennas, including the panel antennas.*

*The operational description has been modified to cross reference the list of antennas (that has also been modified) that was submitted as a separate document. Additional changes have been made to the operation description to remove or explain references to a 0.5m cable (see (2) below).*

2) Your previous response to Item 9 & 10 is confusing. From review of the operational description, it appears that a 0.5 meter cable can be ordered for between the access point and the DC injector. What is to keep the user from using this cable length elsewhere in the system, when the minimum length cable tested was 1.5 m? Please explain.

*All references to a 0.5m cable have either been removed from the operational description or an explanatory note has been inserted. The minimum cable length is 1.5m.*

3) The new test report provided contained a cover page explaining the pages removed. However the report itself was for the PY3ME103 and does not even mention an amplifier. Therefore the test report could not be reviewed.

*The correct test report (see also answer to (1) above) has now been uploaded. This test report includes test data for the highest gain antenna of each type plus it references preliminary measurements on all antennas.*

*The new antennas are being included after the manufacturer discovered issues with the firmware being used for testing purposes. Modification of the firmware has resulted in improved performance at the band edges, allowing the use of the higher gain antennas.*

4) FYI...Because the patch antennas are being removed from this application, please note that if they are added as a Permissive Change application, they fall under Fixed RF exposure conditions and not mobile RF exposure conditions. Since this causes a change to the original RF exposure conditions approved, this application will likely require direct submission to the FCC.

*Noted, but hopefully not an issue based on the inclusion of these antennas with this application and the updated test report being submitted.*

The new test report being uploaded modifies the responses to your previous comments, specifically points (7) Antenna Specifications; (11) Band-edge delta marker measurements; (13) RF exposure information; (14) User's manual and (15) Issues with test data for the panel antenna. RF exposure information, User's manual and test report revisions have been uploaded to the ATCB website to address concerns in your recent communication, dated September 5, and the original comments from August.

The following files have been uploaded to the ATCB website to support the above responses:

- F341402-SENAO-ME103-Booster-Subpart-C-update.pdf
- Operational description.pdf
- Users Manual (Final revision).pdf
- Response to 9-5-2003.pdf
- Antenna List.pdf
- Test Configuration pictures - Radiated.pdf
- F341402- Part 2 of 2.pdf
- ATCB Form 731 Updated.doc
- Test Configuration pictures - Conducted.pdf
- F341402- Part 1 of 2.pdf
- MPE Calculations.pdf
- antenna specs Part 3 (Panel Antennas).pdf

If you have any additional questions please do not hesitate to contact me via [doc@elliottlabs.com](mailto:doc@elliottlabs.com).

Regards,



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Director of Engineering