



September 30, 1999

Greg Czumak
Federal Communications Commission
Equipment Authorization Division
Applications Processing Branch
7435 Oakland Mills Rd
Columbia, MD 21046

Greg,

Please find in the attached files a revised test report and supporting exhibits and documentation for the Wireless, Inc. **N2-X Ethernet Extender Bridge** product, submitted for approval and certification on or about July 12th, 1999.

FCC ID: **EV9N2X5-3S1-16B**, Confirmation number: **EA94738**

My Client has made several changes to the production version so please except the contents of this package for review and disregard what was previously submitted. The N2-X 5.3 GHz Radio has been modified and improved for performance. This product has variable power settings for each of the eight- (8) channels. The unit was tested at each of the power levels for the LO, MID and HIGH channels configured with four (4) different antenna types for your review. The gain of the antennas is paired with the various power settings to meet the limits called out in CFR Title 47, Part 15 of the Rules and Regulations. The report reflects the new limits called out in 15.407. Please review the file titled "N2-X differences" for a description of the design changes in the latest production model.

Also enclosed is an original Agent Authorization letter from Wireless, Inc. authorizing Electronic Compliance Laboratories, Inc. to act on their behalf. In addition, all of the exhibits thought necessary to support this application are included, along with a confidentiality package.

Due to size of the package the format in which I am submitting is a little different. The report document 9080501A references various appendices, Each appendix is a separate PDF file saved as "APPENDIX A" for example. Let me know if you have any problems with the format and I'll make the adjustments as you see fit. The Theory of Operations can be located in "APPENDIX J" with the other confidential information. The following documents are being sent to replace the exhibits of the application presently in Technical Review. These documents are being submitted for FINAL consideration for Certification:

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|----------------|---|
| 9080501A.PDF | Test report |
| Appendix A.PDF | Radiated/Conducted results |
| Appendix B.PDF | Explanation of Test Methodology |
| Appendix C.PDF | Peak Power Measurements |
| Appendix D.PDF | Out of Band Data and Plots |
| Appendix E.PDF | Set-up Configurations/Photos |
| Appendix F.PDF | Restricted Band Data /Harmonics |
| Appendix G.PDF | Antenna Data Sheets |
| Appendix H | provided in the report |
| Appendix I.PDF | EUT Photos |
| Appendix J.PDF | Confidentiality Material/ Proprietary Info. |
| Labels.jpeg | Label Photos |
| Letters.PDF | Misc. Letters |
| 5.3ghzMPE | MPE distance calculations |

Greg, I received the formal pre-grant sample request for both of the units. My hopes are that you would review this package and let me know if this will still be a requirement. The unit was tested very thoroughly and they are pretty solid radios. I was looking at my schedule and thinking about yours, and this will be just another thing I'll have to prepare for. The stack is getting higher, so as soon as you know something. I would appreciate a notification and at that point, if it's not a problem, I would request to take your earliest available opening and I will make sure the unit or units will be hand carried there for testing. Just an effort to try and expedite the time involved and to eliminate any complications or hassles with the shipping or whatever...

If there are any questions or problems please don't hesitate to contact me at the number listed above, or by email, chip@eclabs.com. I look forward to hearing from you and I'll talk to you then.

Sincerely,



Chip Matheny
Chief Technical Officer