



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

July 22, 2004

RE: Lantronix, Inc.

FCC ID: R68WIBOX

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 of all oscillators in the TX device (CFR 2.1033(a)(5)), unless this portion of the device is an OEM part. Please provide either the block diagram for the TX portion, or alternatively provide a parts list that shows that this part is provided by another manufacturer. If necessary, you may add the parts list to the confidentiality exhibit.
- 2) The cover letter with this application mentions limited modular approval, but the application does not appear to address modular approval. For example, a cover letter addressing each of the modular issues as specified by the FCC public notice (see attached) has not been provided. Please clarify if a modular approval is being requested and correct or provide the necessary exhibits.
- 3) Please provide photographs of the transceiver contained in the subshielded enclosure (top and bottom views of the TX board(s)).
- 4) The schematics should be for the TX portion of the device, unless this portion of the device is an OEM part. Please provide either the schematics for the TX portion, or alternatively provide a parts list that shows that this part is provided by another manufacturer. If necessary, you may add the parts list to the confidentiality exhibit.
- 5) Please add photographs of the antenna being approved to the external photograph exhibit.
- 6) Please note that the FCC no longer desires that the safe distance for mobile devices be calculated in the RF exposure exhibit if the safe distance is < 20 cm, but instead prefers the power density results to be calculated at 20 cm and compared to the power density limit. Please adjust the RF exposure exhibit. Additionally, please use the highest power measured for this calculation (16.5 dBm)
- 7) Please provide an operational description exhibit for this application.
- 8) Please confirm the test distance used for measurements > 1 GHz.
- 9) FYI.....PSD testing requires the VBW > RBW, not = RBW. Please be careful of this on future applications.
- 10) FYI.....The 731 form should state the range of tunable frequencies for this device (2412-2462 MHz).

Timothy R. Johnson  
Examining Engineer

[mailto: tjohnson@AmericanTCB.com](mailto:tjohnson@AmericanTCB.com)

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](http://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.