



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

January 24, 2003

RE: TOHOKU ALPS CO., LTD.

FCC ID: NHVWBJ443

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

- 1) Please provide a higher resolution exhibit for the FCC Labeling. The FCC ID can not be easily read in the exhibit provided.
- 2) Page 7 of 8 of the operational description mentions 16 seconds due to manual press of the switch. It is unclear what the 16 seconds refers to. Note that the device must stop transmitting in less than 5 seconds after released (15.231(a)(1)). Please provide a better explanation of what the 16 seconds refers to. Additionally, please confirm how fast the device deactivates after being released.
- 3) The test report shows an automatic deactivation. However it can not be determined if the pulse provided is a single packet of data or the end of transmission. Please provide an additional plot that shows the deactivation over 5 seconds or more.
- 4) This device appears to automatically transmit due to various commands received via 125 kHz LF. However, there is not information regarding what is transmitted by the 312 MHz TX in response to the 125 kHz signal. Please provide a detailed explanation of the data sent by the 312 MHz TX in response to the 125 kHz transmission. Is the data sent equivalent to the data sent during manual activation? Additionally, how long does the device transmit upon receiving a command? Note that the device must stop transmitting in less than 5 seconds after automatically being activated (15.231(a)(2)).
- 5) Please provide a better explanation of what the rolling code is. Note that since the code is not set, it could be considered data. Please provide a detailed explanation of what this is. Please note that data transmissions are subject to 15.231(e) which has particular timing requirements as well.
- 6) The schematics provided were unclear. It also appears that the schematic does not contain any values but only reference designators. Please note that the schematic must contain physical values.
- 7) The 731 form section III, 7 mentions this is part of a system that operates with another device, therefore, please fill out section 8.

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Examining Engineer

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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.