



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

December 24, 2002

RE: Pelican Accessories

FCC ID: O7X-SW-1

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

- 1) Regarding the Transmitter Schematics, please provide one of the following:
 - a) A schematic of the RF portion.
 - b) Alternatively, if the radio is a modular component from a different manufacturer, you may instead provide a parts list that shows the RF Module as a part from a different manufacturer. If the parts list is provided, please be sure to let us know if confidentiality is requested on it and update the confidentiality letter if necessary.
- 2) If the TX module is built by the applicant, please provide a block diagram that shows the frequencies of all the oscillators in the TX portion of the device (CFR 2.1033(a)(5)).
- 3) Since this device contains a RX and digital device, the users manual should also include the information specified by 15.105.
- 4) Please confirm that digital device and RX portion of this product have been approved under a DoC authorization as shown on the labeling information.
- 5) The 731 form & Test report show the frequency range as 906-927 MHz, but the theory of operation provided shows 903-926.536 MHz. Note that test report shows 906 as channel 1 which does not match the theory of operation. Please comment and correct the affected exhibits. Note that Table 5 in the test report also states 903 MHz, but the lowest frequency measured appears to be 906 MHz. FYI: The FCC expects the testing to be performed at lowest and highest channels available, unless this is extremely difficult for some reason.
- 6) The theory of operation shows 8 channels, while the test report states that only 4 channels are selectable. Please explain and correct the affected exhibits.
- 7) The duty cycle plot provided does not show even spacing between all data packets. Is this a nature of the equipment or a factor of how the plot was taken? For this measurement it is best to use a single trace mode of the spectrum analyzer to ensure proper measurement.
- 8) Because the device is a portable piece of equipment, emissions must be measured with the EUT positioned in each of 3 axis. It can not be determined if this was performed.
- 9) It appears that the data in Table 6 & 7 included a preamp in the calculations? Please confirm that a preamp was used. Note that the calculation information given in 4.3.1 doesn't mention a preamp.

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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.