



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

March 30, 2003

RE: Zebra Technologies

FCC ID: I28-QL420352

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

- 1) Something appears odd with the internal photographs of the TX card provided. It appears that the TX card is a PCMCIA card by the external photographs and by its FCC ID. However the internal photographs appear to be of a MiniPCI card. Please explain.
- 2) Please provide detailed photographs of the antenna.
- 3) The operational description given by CISCO regarding the PCMCIA card state that the output power is about 100 mW. However, the 731 states about 16 mW, while the test report shows 160 mW. Note that the FCC expects all power information throughout the report to be consistent.
- 4) Tables 3-2 and 6-4 appear to show N/A for the calibration information on the antennas, cables, and amplifiers. Please provide proper calibration information.
- 5) Table 4-1 is missing information regarding the model and serial number of the LISN. Please provide.
- 6) The conducted emissions provided do not show any reading from 150 kHz to 450 kHz. Due to the data given in the tables and the test method specified in section 4 of the test report, it appears that the device was only tested from 450 kHz - 30 MHz to the older FCC limits. Please confirm if additional test data will be provided to show compliance with the new harmonized European limits (including 0.150 - 0.450 MHz that was not previously tested), or if we should proceed using the current data. This is because the grant will be issued with one of the following grant notes depending on which set of limits it is shown to have met:

Current Limits

NOTE: The manufacture and importation of this device must cease on July 10, 2005 pursuant to 15.37(j) or 18.123 transition provisions adopted under FCC 02-157 (ET Docket 98-80).

Future Limits (CISPR)

NOTE: This device has shown compliance with the conducted emissions limits in 15.107, 15.207, or 18.307 adopted under FCC 02-157 (ET Docket 98-80) and may be marketed after July 11, 2005 and is not affected by the 15.37(j) or 18.123 transition provisions.

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 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.