



December 8, 2009

Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046-1609

Request regarding application for certification of **FCC ID: I28MD-CXLAN11G**

In reference to the application for FCC ID#: I28MD-CXLAN11G (Zebra CXLAN11G radio module using the ZComax XG-182Z radio chipset), this device is being submitted for MODULAR TRANSMITTER APPROVAL based on the guidelines in FCC Publication DA 00-1407. Note that IC: 3798B-CXLAN11G is a radio module that will be used exclusively within products made by Zebra Technologies Corporation.

- 1) I28MD-CXLAN11G is based on the ZComax XG-182Z radio chipset. The ZComax XG-182Z radio chipset is fully shielded.
- 2) IC: 3798B-CXLAN11G has buffered inputs on all digital lines. Overdriving one or more of the digital inputs will have no effect on the transmitter output.
- 3) The I28MD-CXLAN11G radio module is designed to accept un-regulated 3.3 VDC at its input. The voltage regulator for the 3.3VDC input is located on the radio module board itself, thus a Full Modular Approval is being sought. Further, the module will only be used in Zebra products, Zebra has full control of the power supply to the radio module and will assure the correct regulated supply voltage is supplied.
- 4) I28MD-CXLAN11G antennas which is mounted (with the radio) inside a finished printer. The antenna is not user accessible, nor is the antenna cable / connector user accessible; for these reasons the antennas can be considered to be permanently attached. If the radio is to be used with a new antenna, further testing will be performed and a Class II permissive change will be obtained.
- 5) I28MD-CXLAN11G is tested in Zebra host printers QL220Plus, QL320Plus, QL420Plus
- 6) I28MD-CXLAN11G will carry a label containing the IC number . As this module will always be mounted on the interior of a Zebra product, it will not be visible to an end user. Thus "Contains FCCID: I28MD-CXLAN11G" will appear on the external label of the product the radio is mounted into. All products containing this module will have this statement clearly visible. Examples of both the internal and external labels have been provided as part of the application.
- 7) I28MD-CXLAN11G will only be used with Zebra Technologies products; this includes printers built by Zebra that are branded for other companies. Thus Zebra will maintain full control over the use of the module and can guarantee that all conditions for use will be met in any product that the module is installed in.
- 8) Most of the products that IC: 3798B-CXLAN11G will be used in are body worn devices subject to Part 2.1093 of the FCC rules. However, the output power from this radio module is so small that it will easily meet all RF exposure requirements and does not require SAR testing. Sincerely,

Charles A. Derrow
Manager, Compliance Engineering
Tel: 847.793.5719
cderrow@zebra.com

Zebra Technologies Corporation

333 Corporate Woods Parkway » Vernon Hills, IL 60061-3109 USA T+1 847 634 6700 F+1 847 913 8766 www.zebra.com

