



August 18, 2009

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

Request regarding application for certification of **FCC ID: I28RFID-MAICD-01**

In reference to the application for FCC ID : I28RFID-MAICD-01 (Zebra ZXP Series 8 card printer using Zebra Media Authentication Board Part Number 404870-001P UHF RFID encoder), this device is being submitted for LIMITED MODULAR TRANSMITTER APPROVAL based on the guidelines in FCC Publication DA 00-1407. Note that I28RFID-MAICD-01 is a radio that will be used exclusively within ZXP Series 8 card printer made by Zebra Technologies Corporation. Compliance to each of the requirements is described below:

- 1) I28RFID-MAICD-01 is based on a Zebra Media Authentication Board Part Number 404870-001P UHF RFID encoder. The Zebra Media Authentication Board Part Number 404870-001P UHF RFID encoder is not a shielded device.
- 2) I28RFID-MAICD-01 Zebra Media Authentication Board Part Number 404870-001P UHF RFID encoder has buffered inputs on all digital lines. Overdriving one or more of the digital inputs will have no affect on the transmitter output.
- 3) I28RFID-MAICD-01 Zebra Media Authentication Board Part Number 404870-001P UHF RFID encoder is designed to accept regulated 5 VDC at its input. The radio module then regulates the input voltage.
- 4) I28RFID-MAICD-01 antenna's is mounted (with the radio) inside the ZXP Series 8 Card 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) I28RFID-MAICD-01 Zebra Media Authentication Board Part Number 404870-001P UHF RFID encoder was tested as integral part of the Zebra ZXP Series 8 card printer.
- 6) I28RFID-MAICD-01 will carry a label containing the FCC ID number. "FCC ID: I28RFID-MAICD-01" will appear on the external label of the ZXP Series 8 card printer where the Zebra Media Authentication Board Part Number 404870-001P UHF RFID encoder is mounted into. Examples of both the internal and external labels have been provided as part of the application.
- 7) I28RFID-MAICD-01 will only be used with Zebra Technologies ZXP Series 8 card printer, this includes ZXP Series 8 printer 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) I28RFID-MAICD-01 will not be in use as a body worn device, so it is not subject to Part 2.1093 of the FCC rules.

Sincerely,

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