



August 26, 2008

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

Request regarding application for certification of **FCC ID: I28RFID-M5ECZ-01**

In reference to the application for FCC ID : **I28RFID-M5ECZ-01** (Zebra P4T Mobile Printer using ThingMagic M5ECZ 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-M5ECZ-01 is a radio that will be used exclusively within P4T made by Zebra Technologies Corporation. Compliance to each of the requirements is described below:

- 1) I28RFID-M5ECZ-01 is based on a ThingMagic M5ecz UHF RFID encoder. The ThingMagic M5ecz UHF RFID encoder is a shielded device.
- 2) I28RFID-M5ECZ-01 ThingMagic M5ecz 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-M5ECZ-01 ThingMagic M5ecz UHF RFID encoder is designed to accept regulated 5 VDC at its input. The radio module then regulates the input voltage.
- 4) I28RFID-M5ECZ-01 antenna's is mounted (with the radio) inside the P4T 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-M5ECZ-01 ThingMagic M5ecz UHF RFID encoder was tested as integral part of the Zebra P4T printer.
- 6) I28RFID-M5ECZ-01 will carry a label containing the FCC ID number. "FCC ID: I28RFID-M5ECZ-01" will appear on the external label of the P4T printer where the ThingMagic M5ecz UHF RFID encoder is mounted into. Examples of both the internal and external labels have been provided as part of the application.
- 7) I28RFID-M5ECZ-01 will only be used with Zebra Technologies P4T printer, this includes RP4T 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-M5ECZ-01 will be in use as a body worn device,so it is subject to Part 2.1093 of the FCC rules. A letter demonstrating the Average Power Source Based Calculation is 55.02mW is used to demonstrates the P4T FCC ID: I28RFID-M5ECZ-01 Radio is below applicable SAR thresholds

Sincerely,

Charles A. Derrow  
Manager, Compliance Engineering

**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

S

