



July 10, 2006

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

To Whom It May Concern:

In reference to the application for FCC ID#: I28RFID-M2HF (13.56 MHz RFID encoder radio module), this device is being submitted for **Limited MODULAR TRANSMITTER APPROVAL** based on the guidelines in FCC Publication DA 00-1407. We believe that this transmitter meets or addresses all 8 criteria listed in DA 00-1407 as detailed in the paragraphs below.

Note that I28RFID-M2HF is a radio module that will be used exclusively within products made by Zebra Technologies Corporation.

- 1) I28RFID-M2HF is based on a SkyeTek M2 RFID encoder radio module. The RF portion of the module is not shielded. Shielding is provided by the host device.
- 2) The host device provides buffered inputs on all digital lines. Overdriving one or more of the digital inputs will have no effect on the transmitter output.
- 3) The SkyeTek M2 accepts a regulated 5.3 VDC, which is provided by the host device, to the SkyeTek M2 module. Further, since the module will only be used in Zebra products, Zebra has full control of the power supply to the SkyeTek M2 module and will assure a 5.3 VDC supply.
- 4) I28RFID-M2HF will always be used with one of a family of approved antennas, all of which are mounted (with the radio) inside a finished printer or other Zebra product. None of these antennas is user accessible, nor is the antenna cable / connector user accessible; for these reasons the antennas can be considered to be permanently attached. All of the antennas in the family have been tested with the radio module as part of the limited modular approval; test results are included with the application. 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-M2HF was tested in the host device.
- 6) I28RFID-M2HF will carry a label containing its FCC ID number. Additionally "Contains FCC ID: I28RFID-M2HF" will appear on the external label of the product the radio is mounted in. 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) I28RFID-M2HF 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) The products that I28RFID-M2HF will be used in will be at least 20 cm away from any body part.

Sincerely,

Gus Medina
Compliance Engineer
Zebra Technologies Corporation

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