



August 3, 2006

Federal Communication Commission  
7434 Oakland Mills Road  
Columbia, Maryland 21046

Gentlemen:

The R2844-Z was initially tested and certified on April 1, 2004 under report # A40219F1 and an FCC grant was issued. The FCC ID # for this product is I28-R2844Z.

Some improvements were made to the product in early 2006 and therefore the product was re-tested again on April 21, 2006.

The purpose of these changes was to not only improve radiated emissions, but also to improve the ESD performance of the product since the main printer PCB is a common PCB with other Zebra products.

Listed below are the main differences between the original product and the revised one:

- 1- The original product uses a 2- pin class II power supply model number PLUS120, where as the revised product uses a 3- pin class I power supply model number PLUS220.
- 2- The main PCB in the original product is a 6-layer board, where as the revised product has an 8-layers board. Two additional ground planes were added. In addition to that filter capacitors and ferrite beads were added around the serial port area.
- 3- There are additional snap on ferrite clamps on the printhead cables as well as on the sensor cables.
- 4- Sensors assemblies, such as the ribbon sensor, have now got additional ferrite beads.
- 5- In some configurations, the antenna is physically rotated through 180 degrees for a specific application for an OEM customer. Everything else will remain exactly the same as the original model.

Please note that the RFID section which consists of the reader and the antenna were not modified or altered in any form or shape and the revised product still uses the same RFID circuitry.

If you have any further questions or need additional information, please feel free to give me a call at 805-578-1247.

Sincerely

A handwritten signature in dark ink, appearing to read "H. Ahmadi", written over a horizontal line.

Homi Ahmadi  
Sr Compliance Engineer

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