

Mr. Ramirez:

In order for processing of this application (FCC ID: I28-P430I) to continue, the following issue(s) will have to be addressed:

- 1) Please clarify the scope of this application. Is certification requested to cover only the RFID transmitter installed in the printer, or is certification also requested for the RFID contactless smartcard?
- 2) The letter of authorization indicates that CE is authorized to act as an agent for Zebra Technologies at 1001 Flynn Road, Camarillo, CA 93012. However, the grantee code I28 is assigned to Zebra Technologies in Illinois. Please provide a new letter.
- 3) The sample FCC label shows the grantee code MX5, but the certification is for the grantee code I28. Please correct label.
- 4) Please indicate the detector function used for the measurement of the fundamental emission and second harmonic. Since the emissions were measured at a distance of 3 meters, and the limit is specified at 30 meters, please also provide your calculations for extrapolating the limit.
- 5) The data indicates that the frequency of the fundamental emission is at 15.547 MHz, but it appears that the limit shown on the data sheet reflects the 15,848 uV/m limit for the frequency range of 13.553 MHz to 13.567 MHz range, with a 40 dB/decade extrapolation factor applied. The limit for the frequency range of 13.410 to 13.553 MHz is 334 uV/m. Furthermore, the data for the second harmonic indicates a frequency of 27.129 MHz, which would correspond to a fundamental frequency of 13.5645 MHz. Also, the limit used for the second harmonic is incorrect. Please explain these discrepancies.
- 6) According to section 4.1 of the test report, the printer was operated through its USB port. According to the user's manual and external photos, there is an option for operating the printer via an Ethernet connection. Were measurements made in this mode of operation?
- 7) The test report does not describe the operation of the transmitter during the testing, nor does it indicate whether a RFID tag was present during the testing. Please describe the test configuration and operating mode in more detail.
- 8) Section 5.1 of the test reports shows the grantee code as MX5, and not I28. Please correct.
- 9) The radiated emission test procedure seems to only describe the test method utilized above 30 MHz (antenna height varied from 1-4 meters, etc.) Please describe in detail the test methodology used for measuring emissions below 30 MHz with a loop antenna.
- 10) Please provide a block diagram for the device.
- 11) Please provide a plot of the fundamental frequency, so that band-edge compliance can be verified.
- 12) Please indicate the type of modulation employed by the transmitter.
- 13) The internal photos provided do not appear to show where the transmitter is installed in the printer. Please provide additional photos to further illustrate the internal

construction of the printer. Also, if a smart card transmitter was present in the printer at the time of test, please provide photos of the card.

The item(s) indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 60 days of the original e-mail date may result in application dismissal and forfeiture of the filing fee. Also, please note that partial responses increase processing time and should not be submitted. Please upload responses and/or exhibits to the electronic filing website. Your correspondence number is I28-P430I-1.

Best regards,

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