

Attn: Reviewing Engineer

RE: PART 15 UNLICENSED MODULAR TRANSMITTER APPROVAL

To Whom It May Concern:

We, (Bender GmbH & Co. KG), hereby requests for part 15 unlicensed modular transmitter approval of our device, described as follows:

HVIN (Hardware Version Identification Number): RFID110-L1
PMN (Product Marketing Name): RFID110-L1
FCC ID: 2AHQO-RFID
IC: 21240-RFID

In FCC Public Notice DA 00-1407 released June 26,2000 there are eight numbered requirements that our device complies with:

1. The modular transmitter must have its own shielding.

- The device is not shielded, therefore the testings are carried out in a special host.

2. The modular transmitter must have buffered modulation/data inputs

- The device is built with a PN532 from NXP, a highly integrated transceiver module for contactless communication at 13.56 MHz. The PN 532 implements a demodulator and decoder for signals from ISO/IEC 14443A/MIFARE compatible cards and controllers. The PN532 handles the complete framing and error detection according to ISO/IEC 14443A. The handling of data inputs is realized from the chip PN532 itself.

3. The modular transmitter must have its own power supply regulation

- The RFID module is a separate PCB which facilitates user interaction with the charging point. The regulation of the device power supply is realized on the remote charge controller. The device is connected with this controller via standard RJ45 cable.

4. The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204c

- The device fulfilled the requirements of Section 15.203 and 15.204c. The antenna is part of the RFID-module and is designed as a loop antenna (circuit path) on the PCB.

5. The modular transmitter must be tested in a stand-alone configuration

- The RFID module is tested in combination with a special host. The stand-alone configuration is realized via the unmodified standard connection cable of 0.5 m.

6. The modular transmitter must be labelled with its own FCC ID number

- The device is provided with a separate label, the FCC-ID 2AHQO-RFID is imprinted.

7. The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements.

- The device is delivered with a separate manual which gives detailed instruction about operational conditions. The device complies with all specific rules and operating requirements applicable.

8. The modular transmitter must comply with any applicable RF exposure requirements.

- The device fulfilled the RF exposure requirements.

Bender GmbH & Co. KG
i. A. Dipl.-Ing. Edmund Schneider



Head of Test & EMC

(Title/Signature)