

# AHA INC CO.,LTD

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## MODULAR APPROVAL LETTER

Date: 04, Oct 2022

FCC ID: 2AXQD-NFC5000

| Modular Approval Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                              | Answers                                                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (i) The radio elements of the modular transmitter must have their own shielding. The physical crystal and tuning capacitors may be located external to the shielded radio elements.                                                                                                                                                                                                                                                                                       | The RFID (NFC) module is shielded with a metal material.                                                                                                                                         |
| (ii) The modular transmitter must have buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with part 15 requirements under conditions of excessive data rates or over-modulation.                                                                                                                                                                                                                                         | In the case of ISO 14443 Type A, 100% amplitude modulation is used to transmit information and energy from the reader to the tag, and the modified Miller method is used as the encoding method. |
| (iii) The modular transmitter must have its own power supply regulation.                                                                                                                                                                                                                                                                                                                                                                                                  | Although there is an internal power supply in the RFID module, power is supplied through an external connector.                                                                                  |
| (iv) The modular transmitter must comply with the antenna and transmission system requirements of §§15.203, 15.204(b) and 15.204(c). The antenna must either be permanently attached or employ a “unique” antenna coupler (at all connections between the module and the antenna, including the cable). The “professional installation” provision of §15.203 is not applicable to modules but can apply to limited modular approvals under paragraph (b) of this section. | The antenna of the modular transmitter is created as a pattern on the printed circuit board (PCB) due to the characteristics of RFID, so that it cannot be arbitrarily manipulated.              |
| (v) The module must demonstrate compliance in a stand-alone configuration.                                                                                                                                                                                                                                                                                                                                                                                                | A module consists of a standalone executable form.                                                                                                                                               |
| (vi) The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.                                                                                                                                                                                                                                                                                                      | The modular transmitter's label is permanently affixed to the product's PCB.                                                                                                                     |
| (vii) The modular transmitter must comply with any specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements. A copy of these instructions must be included in the application for equipment authorization.                                                                                                                 | Modular transmitters are guided by indicating in their manuals specific rules or operating requirements that generally apply to the entire transmitter.                                          |
| (viii) The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.                                                                                                                                                                                                                                                                                                                                                       | The modular transmitters meet your requirements.                                                                                                                                                 |

Sincerely,



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Title: MANAGER