

**< Shenzhen Ai-Thinker Technology Co., Ltd.>**

Eurofins Electrical and Electronic Testing NA, Inc.  
914 West Patapsco Avenue  
Baltimore, MD 21230

**Company name:** Shenzhen Ai-Thinker Technology Co., Ltd  
**FCC ID:** 2ATPO-ESP-S3-32S

Gentlemen,

In accordance with 47CFR 15.212 Modular Transmitters and KDB 996369 D01 'Module Certification Guide v02'. FCC ID: 2ATPO-ESP-S3-32S has been examined against the following requirements.

Items to be covered by Single modular transmitters.

| <b>Requirement per 15.212 and KDB 996369 D01<br/>'Modular Certification Guide v02'</b>                                                                                                                                       | <b>Explanation from Grantee</b><br>(do not write yes/no, but explain why product complies/how it is achieved)                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. The radio elements must have the radio frequency circuitry shielded. Physical components and tuning capacitor(s) may be located external to the shield, but must be on the module assembly                                | The modular have the radio frequency circuitry shielded                                                                                                   |
| 2. The module must have buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal                                                                        | All modulation and data inputs are buffered by circuitry on the transmitter chip ESP32, as is shown in the schematic.                                     |
| 3. The module must contain power supply regulation on the module                                                                                                                                                             | Power supply regulation is provided by circuitry on the transmitter chip ESP32, as is shown in the schematic.                                             |
| 4. The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b) | EUT module contain a permanently attached antenna. Please reference the exhibition Test Report.                                                           |
| 5. The module must demonstrate compliance in a stand-alone configuration                                                                                                                                                     | Please reference exhibition Test Configuration Photo for the stand-alone test configuration.                                                              |
| 6. The module must be labelled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 784748 about labelling requirements)                                                             | The instruction on the labelling rule of the end product has been stated in the Users manual of this module. Please also see the exhibition Label Sample. |
| 7. The module must comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions by the grantee                                                         | The required FCC rule has been fulfilled and all the instructions for maintaining compliance has been clearly stated in the Users Manual.                 |
| 8. The module must comply with RF exposure requirements                                                                                                                                                                      | Please refer exhibition RF Exposure for the compliance of MPE RF exposure rule.                                                                           |

**Name:** Ning Guan

**Date:** 2022.03.11

**Title:** manager

**Signature of applicant**

*Guan Ning*