

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

Modular Transmitter Approval Request

Federal Communications Commission
 Equipment Authorization Branch
 7435 Oakland Mills Road
 Columbia, MD 21046

Company name: Shenzhen Ai-Thinker Technology Co., Ltd
FCC ID: 2ATPO-ESP32-SU

Gentlemen,

In accordance with 47CFR 15.212 Modular Transmitters and KDB 996369 D01 'Module Certification Guide v02'. FCC ID: 2ATPO-ESP32-SU has been examined against the following requirements.

Items to be covered by Single modular transmitters.

Requirement per 15.212 and KDB 996369 D01 'Modular Certification Guide v02'	Explanation from Grantee (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 just contain a unique antenna connector. 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: Dec.31.2021

Title: manager

Signature of applicant

Guan Ning