

Shenzhen Ai-Thinker Technology Co., Ltd

Modular Transmitter Approval Request

Federal Communications Commission
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, MD21046

Company name: Shenzhen Ai-Thinker Technology Co., Ltd
FCC ID: 2AHMR-ESP32A1S

Gentlemen,

In accordance with 47CFR 15.212 Modular Transmitters and KDB 996369 D01 'Module Equip Auth Guide v02'. FCC ID: **2AHMR-ESP32A1S** has been examined against the following requirements.

Requirement per 15.212 and KDB 996369 D01	Explanation from Grantee (do not write yes/no, but explain why product complies/how it is achieved)
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	Yes, the products have a shield, Physical components and tuning capacitor(s) are assembly to the module and located internal to the shield.
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	Yes, The module has buffered modulation/data inputs.
The module must contain power supply regulation on the module	Yes, The modular transmitter has its own power supply regulation.
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)	Yes, The module contains a permanently attached PCB antenna.
The module must demonstrate compliance in a stand-alone configuration	Yes, The module compliance in a stand-alone configuration.
The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 784748 about labeling requirements)	Yes, The module has its permanently affixed FCC ID label and the FCC ID label is laser engraved on the shield.
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 module complies with all specific rules applicable to the transmitter.
The module must comply with RF exposure requirements	Yes, We provided an MPE report to show the module comply with RF exposure requirements.

Name: Mars Ma *Mars Ma. 2020.8.20* **Date:** Aug. 20. 2020

Title: Director of Marketing

Signature of applicant: