Cover Letter-Modular Approval

FCC ID: 2AZLQ-ESP01 **Date: 2022-03-31**

Gentlemen:
There's a 2.4G Wi-Fi Module that would like to have your authorization as a modular approval. The specific product as below, 2.4G Wi-Fi Module with its designed features and specified description, meets special requirements for Full modular approval on FCC KDB996369 by cross-reference list below.

Company	Keenon Robotics Co., Ltd.
Model Name	Scheduling Module
Model Number	ESP01
FCC ID	2AZLQ-ESP01

Requirement of FCC KDB996369	Comply（Y/N）
1. The modular transmitter must have its own RF shielding.	Y The EUT has its own RF shielding. Please refer to External Photos.
2. 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.	Y The EUT uses the chip ESP32-D0WD as an embedded processor to buffer the data. Please refer to Schematics.
3. The modular transmitter must have its own power supply regulation.	Y The EUT has its own power supply regulation, The power supply of this module can be in the range 2.7V to 3.6V. Please refer to Schematics.
4. The modular transmitter must comply with the antenna and transmission system requirements of Sections 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 Section 15.203 is not applicable to modules but can apply to limited modular approvals under paragraph (b) of this section.	Y The module has a unique antenna coupler and meets the FCC antenna requirements. The specific Dipole antenna shall attach to the module. Details refer to external photos& user manual.
5. The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing.	Y The modular transmitter has been performed the testing in a state of being installed on a test jig board simulating the board of the installed end product.

	It has been performed the testing as a stand-alone and then confirmed the compliance. Please refer to setup photo.
6. The modular transmitter must be labeled with its own FCC ID number, and, if the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains Transmitter Module FCC ID: 2AZLQ-ESP01" or "Contains FCC ID: 2AZLQ-ESP01" Any similar wording that expresses the same meaning may be used. The Grantee may either provide such a label, an example of which must be included in the application for equipment authorization, or, must provide adequate instructions along with the module which explain this requirement. In the latter case, a copy of these instructions must be included in the application for equipment authorization.	Y Please refer to the label.
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. A copy of these instructions must be included in the application for equipment authorization.	Y The EUT is compliant with all applicable FCC rules. Details instructions for maintaining compliance are given in the User Manual.
8. The modular transmitter must comply with any applicable RF exposure requirements. For example, FCC Rules in Sections 2.1091, 2.1093 and specific Sections of Part 15, including 15.319(i), 15.407(f), 15.253(f) and 15.255(g), require that Unlicensed PCS, UNII and millimeter wave devices perform routine environmental evaluation for RF Exposure to demonstrate compliance. In addition, spread spectrum transmitters operating under Section 15.247 are required to address RF Exposure	Y The EUT complies with RF exposure requirement.

compliance in accordance with Section 15.247(b)(4).	

Thank you.
Sincerely,

Print Name: Spring Wang

Title: Certification Engineer

Signature: Spring_wang

On behalf of Company: Keenon Robotics Co., Ltd.

Telephone: 4008335808

E-mail: certification@keenon.com