

Shenzhen Feng Rui Xiang Intelligent Technology Co., Ltd.

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

Date:

Subject; **Module Approval Request Letter**

Company name: 802.11ac 2T2R 867Mbps WLAN + Bluetooth v5.1 Combo USB2.0 Module
FCC ID: 2AVEDFRX-M7663BU6

Dear Sir/Madam,

This letter includes the FCC application requirements for Modular Transmitter Approval Request for;-

FCC KDB 996369 D01 'Module Certification Guide v02; and
FCC KDB 996369 D03 OEM Manual v01

In accordance with 47CFR 15.212 Modular Transmitters and KDB 996369 D01 'Module Equip Auth Guide v02'. FCC ID: **2AVEDFRX-M7663BU6** 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 module with a 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 must contain power supply regulation on the module.	The modular has an onboard 3.3V regulator(integrated in MT7663BUN).
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 §§ 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b).	The modular has three External antennas which comply with the antenna requirement of Section 15.203,Maximum Antenna Gain is ANT0 used for WIFI TX/RX, 3.00 dBi(Max.) for 2.4G Band and 3.0dBi(Max.) for 5G Band ANT1 used for WIFI TX/RX, 3.0 dBi(Max.) for 2.4G Band and 3.00dBi (Max.) for 5G Band ANT2 used for BT TX/RX, 3.00 dBi(Max.) for 2.4G Band
The module must demonstrate compliance in a stand-alone configuration.	The modular was tested in a standalone configuration apart from host units.
The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	The modular has its own FCC ID number.

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The module must comply with all specific rules applicable to the transmitter, including all the conditions provided in the integration instructions by the grantee.	Yes
The module must comply with RF exposure requirements	Yes, RF cexposure evaluation performed at 20cm.

Integration Instructions for host product manufacturers

The following items are submitted in support of application for Modular Transmitter FCC ID as noted above as required by the FCC KDB 996369 D03 OEM Manual v01.

These items are provided as integration instructions for host product manufacturers (e.g., OEM instruction manual) to use when integrating a module in a host product.

Any requirements that are not applicable to the Module are as indicated below.

Summary of requirements and Checklist. Refer to the KDB for description of the complete requirements;

KDB Ref Sect	Requirements of KDB 996369 D03	User Manual Page Number reference
2.2	List of applicable FCC rules	Page 14
2.3	Summarize the specific operational use conditions	Page 15
2.4	Limited module procedures	Page 15
2.5	Trace antenna designs	Page 15
2.6	RF exposure considerations	Page 15
2.7	Antennas	Page 15
2.8	Label and compliance information	Page 16
2.9	Information on test modes and additional testing requirements	Page 16
2.10	Additional testing, Part 15 Subpart B disclaimer	Page 16
2.11	Manual Information to The End User	Page 16
2.12	How to Make Changes - Important Note	Page 17

Haiyun Peng

Name: Haiyun Peng

Date: 2025-08-06

Title: sales director

Signature of applicant