

# Guangzhou Shikun Electronics Co., Ltd

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

Date: 2024-2-23

Subject; **Modular Transmitter Application**

**Company name:** Guangzhou Shikun Electronics Co., Ltd  
**FCC ID:** 2AR82-SKIWB822CU2

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 2AR82-SKIWB822CU5 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. There is a welded shielding case on the module.
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 have buffered modulation/data inputs.
The module must contain power supply regulation on the module.	Yes, The input voltage is $3.3V \pm 0.3$
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).	Yes. The WiFi is with PCB antenna, and the bluetooth is with ipex connected to shrapnel antenna.
The module must demonstrate compliance in a stand-alone configuration.	Yes. The module is in 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).	Yes. The lable has an FCC ID and is permanently attached to the module
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 passes all tests of Part 15C and Part 15E.
The module must comply with RF exposure requirements	Yes, refer to FCC MPE report.

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## 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	P22
2.3	Summarize the specific operational use conditions	P22
2.4	Single module procedures	P22
2.5	Trace antenna designs	P23
2.6	RF exposure considerations	P23
2.7	Antennas	P23-P24
2.8	Label and compliance information	P24
2.9	Information on test modes and additional testing requirements	P24
2.10	Additional testing, Part 15 Subpart B disclaimer	P24

**Name:** Bing Yi

**Date:** 2024-2-23

**Title:** Certification Manager

**Signature of applicant:**

Yi Bing