

Sichuan esRadio Technology Co., Ltd

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

Date: September 4, 2025

Subject: **Modular Transmitter Application**

Company name: Sichuan esRadio Technology Co., Ltd
FCC ID: 2BRM7-ESRX

Dear Sir/Madam,

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

FCC KDB 996369 D01 'Module Certification Guide v04r02; and
FCC KDB 996369 D03 OEM Manual v01r01

In accordance with 47CFR 15.212 Modular Transmitters and KDB 996369 D01 'Module Equip Auth Guide v02'. FCC ID 2BRM7-ESRX 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 radio portion has his own shielding (see external photos).
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, it has been integrated in the chipset
The module must contain power supply regulation on the module.	Yes, it is integrated
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 module comes with three antennas (ROB antennas 1 and 2 are external antennas connected via reverse SMA connectors, and the FPC antenna is a built-in, non-detachable IEPX connector). Spurious emissions meet test requirements (see the attached test report).
The module must demonstrate compliance in a stand-alone configuration.	Yes, Please referring to test set up configuration photo
The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	Yes, The module has its own label. The instruction for labelling rules for the host device has been stated in the users manual
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 required FCC rules has been fulfilled and all instructions for maintaining compliance has been clearly stated in the users manual

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The module must comply with RF exposure requirements	Yes, The equipment complies with FCC Radiation exposure limits set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.
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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 v01r01.

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 4
2.3	Summarize the specific operational use conditions	Page 4
2.4	Limited module procedures	Page 4
2.5	Trace antenna designs	Page 4
2.6	RF exposure considerations	Page 4
2.7	Antennas	Page 5
2.8	Label and compliance information	Page 5
2.9	Information on test modes and additional testing requirements	Page 5
2.10	Additional testing, Part 15 Subpart B disclaimer	Page 5
2.11	Note EMI Considerations	Page 6
2.12	How to make changes	Page 6

Name: Li Su Date: September 4, 2025

Title: General manager

Signature of applicant

