

ShenZhen Young-Feel Electronic Technology Company Limited

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

Date: September 28, 2026

Subject; **Modular Transmitter Application**

Company name: ShenZhen Young-Feel Electronic Technology Company Limited
FCC ID: 2BYEH-YF-051D

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: 2BYEH-YF-051D 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 RF circuitry of this module is shielded by a metal shield can covering all radio frequency components including transceiver IC, PA, matching circuits and filters. All physical components and tuning capacitors are located on the module PCB assembly. The shield can is soldered onto the module board to provide adequate RF shielding and reduce unwanted emissions.
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 an on-board MCU/baseband processor that buffers and processes all modulation and data inputs. The host processor sends data through standard digital interfaces (UART/SDIO/USB) to the module, and the module's internal baseband controls the RF transmitter parameters. This

	ensures the module will comply with Part 15 requirements regardless of input signal type or data rate from the host.
The module must contain power supply regulation on the module.	YES, The module contains on-board power supply regulation circuitry including LDO (Low Dropout Regulator) and DC-DC converter that provides stable and filtered power to the RF transceiver, baseband and clock circuits. The host provides a single DC power supply to the module, and all necessary voltage regulation is performed on the module itself.
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, This module uses a permanently attached onboard PCB trace antenna (for BT, WiFi 2.4G, 5.1G and 5.8G) that is integrated onto the module PCB and soldered permanently. No external antenna connector is provided. The module is designed and marketed to operate only with this specific onboard antenna configuration, complying with §15.203, §15.204(b), §15.204(c), §15.212(a), and §2.929(b) requirements.
The module must demonstrate compliance in a stand-alone configuration.	YES. The module was tested and demonstrated compliance in a stand-alone configuration, mounted on its evaluation board with minimum peripheral circuits as required by KDB 996369 D01. All certification testing was performed on the module by itself without any host product integration, ensuring the module meets all applicable FCC emissions and RF requirements independently.
The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	YES, The module will be labeled with a permanently affixed FCC ID label on its surface. The label contains the FCC ID number, grantee name, and other required compliance information in durable marking. The label is designed to be permanent and legible throughout the product's lifetime, complying with §15.19 and KDB 784748 requirements.
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 complies with all specific FCC rules applicable to its transmitter functions, including but not limited to: 47 CFR Part 15 Subpart C, Section 15.247 (for Bluetooth BR/EDR and WiFi 2.4G operation), and Section 15.407 (for WiFi 5.1G and 5.8G operation). All integration conditions and limitations specified in this modular approval are part of the

	compliance requirements.
The module must comply with RF exposure requirements	YES, Please see the MPE report, the modular meets MPE calculation of 47 CFR 1.107 (b)(1).

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 22
2.3	Summarize the specific operational use conditions	Page 22
2.4	Limited module procedures	Page 22
2.5	Trace antenna designs	Page 22
2.6	RF exposure considerations	Page 22
2.7	Antennas	Page 23
2.8	Label and compliance information	Page 23
2.9	Information on test modes and additional testing requirements	Page 23
2.10	Additional testing, Part 15 Subpart B disclaimer	Page 23

Name: Zhifeng Xu

Date: September 28, 2026

Title: Manager

Signature of applicant: Zhifeng Xu.