

Shenzhen Smart Things Technology Co., Ltd.

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

Date: 2025.12.1

Subject; **Modular Transmitter Application**

Company name: Shenzhen Smart Things Technology Co., Ltd.
FCC ID: 2BSPG-BREO

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 **2BSPG-BREO** 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, with shielded
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, All inputs to the modules are buffered through logic or microprocessor inputs
The module must contain power supply regulation on the module.	Yes, low drop out regulator is used for modular power supply regulation. IC: AC6328A
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, Device is equipped with Integral antenna.
The module must demonstrate compliance in a stand-alone configuration.	Yes, The module test 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 modular has a permanent fixed label, and below statement was listed in the User Manual; The host device must be labeled to display the FCC ID of the module Contains FCC ID:2BSPG-BREO

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 comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions by the grantee, Refer to test report and user manual
The module must comply with RF exposure requirements	Yes, Transmitter meets MPE calculation of 47 CFR 1.1307 . Refer to MPE Reports and Refer to modular installation manual

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	11
2.3	Summarize the specific operational use conditions	3
2.4	Limited module procedures	11
2.5	Trace antenna designs	6
2.6	RF exposure considerations	4
2.7	Antennas	12
2.8	Label and compliance information	12
2.9	Information on test modes and additional testing requirements	12
2.10	Additional testing, Part 15 Subpart B disclaimer	12
2.11	Note EMI Considerations	12
2.12	How to make changes	13

Name: Colin Liao

Date: 2025.12.1

Title: manager

Signature of applicant

