

Guangzhou BDE Technology Inc.

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

Date: 2025.2.13

Subject; **Modular Transmitter Application**

Company name: Guangzhou BDE Technology Inc.

FCC ID: 2ABRU-BW335P1

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 2ABRU-BW335P1 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, our modules are all shielded circuits, which are on module components
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 modules have buffered modulation data input, which meets the requirements of Part 15
The module must contain power supply regulation on the module.	Yes, All modules have power supply
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 BDE-BW3351NP1 module corresponds to the ceramic antenna and is connected via solder joints and fasteners, and the BDE-BW3351AP1 module corresponds to the PCB antenna and is directly integrated on the module. The BDE-BW3351UP1 module corresponds to the FPC antenna and adhesive antenna respectively. All cables are connected using cable ties and meet the antenna requirements in section 15.203
The module must demonstrate compliance in a stand-alone configuration.	Yes, Our modules are supported independently in configuration to prove compliance
The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	Yes, each of our modules has a label printed on the shield

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, all modules comply with all specific rules applicable to launch, including all conditions of the transferee in integration
The module must comply with RF exposure requirements	Yes, all modules meet RF exposure requirements

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	33
2.3	Summarize the specific operational use conditions	1
2.4	Limited module procedures	33
2.5	Trace antenna designs	33
2.6	RF exposure considerations	33
2.7	Antennas	33
2.8	Label and compliance information	26
2.9	Information on test modes and additional testing requirements	33
2.10	Additional testing, Part 15 Subpart B disclaimer	33

Name: Jacky Tian

Date: 2025.2.8

Title: CEO



Signature of applicant