

Shenzhen Boshan Intelligent Electronics Co., Ltd

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

Date: 2024.2.26

Subject; **Modular Transmitter Application**

Company name: Shenzhen Boshan Intelligent Electronics Co., Ltd
FCC ID: 2BD7S-BS16HL

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 2BD7S-BS16HL 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.	The radio portion of this module is shielded, please see exhibition EUT 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.	The module has buffer modulation/data inputs.
The module must contain power supply regulation on the module.	The module has its own power supply regulation. Please see the sch.
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).	The requirements of antenna and spurious emission have been fulfilled. Please refer to the Test Report exhibition.
The module must demonstrate compliance in a stand-alone configuration.	Please refer to the Setup Photo exhibition for the stand-alone test configuration.
The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	The Module will be labeled with its own FCC ID, and the instruction on the labeling rule of the end product has been stated in the User Manual of this module. Please refer to the Label and User Manual exhibition.
The module must comply with all specific rules applicable to the transmitter, including all the conditions provided in the integration instructions by the grantee.	The required FCC rule has been fulfilled and all the instructions for maintaining compliance have been clearly stated in the User Manual.

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The module must comply with RF exposure requirements	Please refer exhibition RF Exposure for the compliance of MPE RF exposure rule.
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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	18
2.3	Summarize the specific operational use conditions	18
2.4	Limited module procedures	18
2.5	Trace antenna designs	18
2.6	RF exposure considerations	19
2.7	Antennas	19
2.8	Label and compliance information	19
2.9	Information on test modes and additional testing requirements	19
2.10	Additional testing, Part 15 Subpart B disclaimer	19

Name: Fang Xu

Date: 2024-02-26

Title: Manager

Signature of applicant

Fang Xu