

## Shenzhen Bilian Electronic Co.,Ltd.

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

Date: 2026-1-23

Subject; **Modular Transmitter Application**

**Company name:** Shenzhen Bilian Electronic Co.,Ltd.  
**FCC ID:** 2AL6KBL-M8852BU1

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 Certification Guide v04r02", FCC ID**2AL6KBL-M8852BU1** has been examined against the following requirements.

| Item | Requirement per 15.212 and KDB 996369 D01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Y/N | Explanation from Grantee<br>(Explain why product complies/how it is achieved)                                                                 |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | The radio elements of the modular transmitter must have their own shielding. The physical crystal and tuning capacitors may be located external to the shielded radio elements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | YES | The radio elements have the radio frequency circuitry shielded                                                                                |
| 2    | The modular transmitter must have buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with part 15 requirements under conditions of excessive data rates or over-modulation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | YES | The module has buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal. |
| 3    | The modular transmitter must have its own power supply regulation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | YES | The module has a voltage regulator circuit.                                                                                                   |
| 4    | The modular transmitter must comply with the antenna and transmission system requirements of §§ 15.203, 15.204(b) and 15.204(c). The antenna must either be permanently attached or employ a "unique" antenna coupler (at all connections between the module and the antenna, including the cable). The "professional installation" provision of § 15.203 is not applicable to modules but can apply to limited modular approvals under paragraph (b) of this section.                                                                                                                                                                                                                                                                                                                                                                                                    | YES | The antenna permanently attached Modular                                                                                                      |
| 5    | The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing for compliance with part 15 requirements. Unless the transmitter module will be battery powered, it must comply with the AC line conducted requirements found in § 15.207. AC or DC power lines and data input/output lines connected to the module must not contain ferrites, unless they will be marketed with the module (see § 15.27(a)). The length of these lines shall be the length typical of actual use or, if that length is unknown, at least 10 centimeters to insure that there is no coupling between the case of the module and supporting equipment. Any accessories, peripherals, or support equipment connected to the module during testing shall be unmodified and commercially available (see § 15.31(i)). | YES | The demonstrates compliance in a stand-alone configuration.                                                                                   |

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|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |                                                                                                                                                           |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6 | The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | YES | The instruction on the labelling rule of the end product has been stated in the Users manual of this module. Please also see the exhibition Label Sample. |
| 7 | The modular transmitter must comply with any specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements. A copy of these instructions must be included in the application for equipment authorization.                                                                                                                                                                                                                                                                                  | YES | The modular transmitter complies with any specific rules or operating requirements.                                                                       |
| 8 | Radio frequency devices operating under the provisions of this part are subject to the radio frequency radiation exposure requirements specified in <a href="#">§§ 1.1307(b), 1.1310, 2.1091, and 2.1093 of this chapter</a> , as appropriate. Applications for equipment authorization of modular transmitters under this section must contain a statement confirming compliance with these requirements. The modular transmitter must comply with any applicable RF exposure requirements in its final configuration. Technical information showing the basis for this statement must be submitted to the Commission upon request. | YES | The module complies with 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 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                                  | 20                                |
| 2.3          | Summarize the specific operational use conditions             | 20                                |
| 2.4          | Limited module procedures                                     | 20                                |
| 2.5          | Trace antenna designs                                         | 20                                |
| 2.6          | RF exposure considerations                                    | 21                                |
| 2.7          | Antennas                                                      | 21                                |
| 2.8          | Label and compliance information                              | 21                                |
| 2.9          | Information on test modes and additional testing requirements | 21                                |
| 2.10         | Additional testing, Part 15 Subpart B disclaimer              | 21                                |
| 2.11         | Note EMI considerations                                       | 22                                |
| 2.12         | How to make changes                                           | 22                                |

**Name: Hanbing Deng**

**Date: 2026-1-23**

**Title: Manager**

**Signature of applicant**

