

# **Wuxi Sunning Smart Devices Co., Ltd**

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

Date: 2025/7/4

Subject: **Modular Transmitter Application**

**Company name: Wuxi Sunning Smart Devices Co., Ltd**  
**FCC ID: 2BOWL-H1503BQ**

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:2BOWL-H1503BQ has been examined against the following requirements.

<b>Requirement per 15.212 and KDB 996369 D01</b>	<b>Explanation from Grantee</b> (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.	All produced modulars will have integrated RF shielding.
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, It has its own buffer
The module must contain power supply regulation on the module.	The modular has an onboard 3.3V regulator(integrated in MT6357).
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 modular has external antennas which comply with the antenna requirement of Section 15.203.
The module must demonstrate compliance in a stand-alone configuration.	The modular was tested in a standalone configuration apart from host units.
The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	The modular has its own FCC ID number.
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 conditions are met.

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The module must comply with RF exposure requirements	Yes, the module is intended to use in distance greater than 20cm. FCC RF exposure requirement satisfied with 47CFR §2.1091.
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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 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;

<b>KDB Ref Sect</b>	<b>Requirements of KDB 996369 D03</b>	<b>User Manual Page Number reference</b>
2.2	List of applicable FCC rules	Pages 92
2.3	Summarize the specific operational use conditions	Pages 92
2.4	Limited module procedures	Pages 92
2.5	Trace antenna designs	Pages 92
2.6	RF exposure considerations	Pages 92
2.7	Antennas	Pages 92
2.8	Label and compliance information	Pages 93
2.9	Information on test modes and additional testing requirements	Pages 93
2.10	Additional testing, Part 15 Subpart B disclaimer	Pages 93
2.11	Note EMI Considerations	Pages 94
2.12	How to make changes	Pages 94

Hai Dong

Name: Hai Dong Date: 2025-7-3

**Title:** Certification Manager

**Signature of applicant**