

Shenzhen Hi-Link Electronic co., Ltd.

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

Date: April 3, 2026

Subject; **Modular Transmitter Application**

Company name: Shenzhen Hi-Link Electronic co., Ltd.

FCC ID: 2AD56HLK-LD2450

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: 2AD56HLK-LD2450 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, it is fulfilled. The radio portion of the module has its own RF shielding. The shielding is installed at the factory. Please see the 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 modular transmitter has buffered modulation/data inputs, Buffered data inputs stage has been integrated in chip
The module must contain power supply regulation on the module.	Yes, it is fulfilled. The EUT has its own power supply regulation to insure compliance, please refer to the Block Diagram
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 EUT has a PCB antenna for Radar(TX) and a Bluetooth antenna. The maximum gain of the radar antenna is 6.0 dBi and the maximum gain of the Bluetooth antenna is 1.42dBi
The module must demonstrate compliance in a stand-alone configuration.	Yes, it is fulfilled. The EUT was tested in a stand-alone configuration, please refer to test photos exhibit for details.

The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	Yes, it is fulfilled. The module will be labeled with its own FCC ID number. Please see FCC ID label & location exhibit.
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, it is fulfilled. The necessary explanation to be complied with this requirement is contained in the user manual, and please refer to the User manual.
The module must comply with RF exposure requirements	This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .If the device built into a host as a portable usage, the additional RF exposure evaluation may be required as specified by §2.1091.

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	User Manual Page 24
2.3	Summarize the specific operational use conditions	User Manual Page 24
2.4	Limited module procedures	User Manual Page 24
2.5	Trace antenna designs	User Manual Page 24
2.6	RF exposure considerations	User Manual Page 24
2.7	Antennas	User Manual Page 24
2.8	Label and compliance information	User Manual Page 24
2.9	Information on test modes and additional testing requirements	User Manual Page 24
2.10	Additional testing, Part 15 Subpart B disclaimer	User Manual Page 24

Name: Jacky Gong

Date: April 3, 2026

Title: manager

Signature of applicant:

