

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

Date:

Subject; **Modular Transmitter Application**

Company name: Control Technology China Co., LTD

FCC ID: 2AK5Y-T52030

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 v01r01

In accordance with 47CFR 15.212 Modular Transmitters and KDB 996369 D01 'Module Equip Auth Guide v02'. FCC ID:2AK5Y-T52030 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, This module has a complete metal shield Covering the entire circuit,except for the antenna.
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, a complete modem to ensure that the device will comply with Part 15 requirements with any type of input signal.
The module must contain power supply regulation on the module.	The module has power supply adjustment, and the final voltage is 3.3V
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).	Antenna permanently attached.
The module must demonstrate compliance in a stand-alone configuration.	Yes, Tested for compliance in a stand-alone configuration.
The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	A label will be attached to the metal shield of the module.
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, This module has good design and uniform quality, it can meet test requirements.

The module must comply with RF exposure requirements	Tested for compliance.
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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 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	PAGE40
2.3	Summarize the specific operational use conditions	PAGE40
2.4	Limited module procedures	PAGE40
2.5	Trace antenna designs	PAGE40
2.6	RF exposure considerations	PAGE40
2.7	Antennas	PAGE40
2.8	Label and compliance information	PAGE40
2.9	Information on test modes and additional testing requirements	PAGE40
2.10	Additional testing, Part 15 Subpart B disclaimer	PAGE40

Name: Philippe Fonteneau

Date: 04/11/2023

Title: Project Manager

Signature of applicant

