

# HANGZHOU YAGUAN TECHNOLOGY CO.,LTD

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

Date:

Subject: **Modular Transmitter Application**

**Company name: HANGZHOU YAGUAN TECHNOLOGY CO.,LTD**  
**FCC ID: 2AYYQ-YGC-C302**

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:2AYYQ-YGC-C302 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	Yes,it is fulfilled The modular transmitter has its own 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 is fulfilled.The modular transmitter have buffered modulation/data inputs. 802.11b: 11, 5.5, 2.1 Mbps; 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps, 802.11n: 72.2Mbps(HT20),140Mbps(HT40); GFSK for (1Mbps), $\pi/4$ -DQPSK for (2Mbps),8DPSK for (3Mbps) modulation
The module must contain power supply regulation on the module.	Yes,it is fulfilled The modular transmitter has its own power supply regulation (DC 3.3V by USB port.)
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,it is fulfilled The modular transmitter has PCB antenna
The module must demonstrate compliance in a stand-alone configuration.	Yes,it is fulfilled.The modular transmitter was tested 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)	Yes,it is fulfilled.The label is shown on the modular transmitter

FCC Modular Approval Request Rev 3.0

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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. This content has been included in operation description and user guides.
The module must comply with RF exposure requirements	Yes, it is fulfilled. This content has been included in operation description and user guides.

**Name:** Zhang Zhiran

**Date:** 2021-3-22

**Title:** Engineer

**Signature of applicant:**

*Zhang Zhiran*