

<Wenzhou Yanchuang Internet of Things Technology Co., Ltd.>

Modular Transmitter Approval Request

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

Company name: Wenzhou Yanchuang Internet of Things Technology Co., Ltd.
FCC ID: 2BLON-MAX3220

Gentlemen,

In accordance with 47CFR 15.212 Modular Transmitters and KDB 996369 D01 'Module Certification Guide v04r01. FCC ID 2BLON-MAX3220 has been examined against the following requirements.

Items to be covered by Single modular transmitters.

Requirement per 15.212 and KDB 996369 D01 'Modular Certification Guide v04	Y/N	Comments/ Explanation from Grantee (Explain why product complies/how it is achieved)
1. 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	The RF circuitry in the MAX3220 module is enclosed within a shield, minimizing RF interference and ensuring FCC compliance, while retaining TVS (Transient Voltage Suppression) components within the module assembly to provide additional voltage protection.
2. 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	The MAX3220 module includes buffered modulation and data inputs to comply with Part 15 requirements. This buffering ensures signal integrity, allowing the module to handle any input signal without exceeding emission limits.
3. The module must contain power supply regulation on the module	YES	The MAX3220 module integrates the SGM6033 buck regulator chip for power supply regulation. The SGM6033 stabilizes output voltage across the input range, ensuring reliable performance under different input sources.
4. 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 Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b)	YES	The MAX3220 module is available in two versions: MAX3220-SMA with a permanently attached SMA interface antenna, and MAX3220-X with a unique antenna connector supporting only designated compatible antennas, complying with FCC Sections 15.203, 15.204(b), 15.204(c), and 15.212(a).
5. The module must demonstrate compliance in a stand-alone configuration	YES	The MAX3220 module has been tested in a stand-alone configuration, demonstrating compliance with all standalone FCC modular requirements.
6. The module must be labelled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 784748 about labelling requirements)	YES	The MAX3220 module includes a permanently affixed FCC ID label to ensure regulatory identification is clearly visible. For products with an electronic display, the FCC ID can be displayed

		electronically following KDB Publication 784748 guidelines.
7. 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	The MAX3220 module complies with all applicable FCC transmitter rules and operates under the conditions specified in its integration instructions, ensuring compliance of any end product using the module.
8. The module must comply with RF exposure requirements	YES	The MAX3220 module has been tested and meets FCC RF exposure requirements. The module's output power and usage parameters are optimized to ensure safe operation within regulated exposure limits.

Name: LIN DONGSHENG

Date: 10/11/2024

Title:Project Manager

Signature of applicant

LIN dongsheng