

Lorenz High Definition LLC
Modular Transmitter Approval Request

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

Company name: Lorenz High Definition LLC
FCC ID: 2AZ2V-101222ZAC93

Gentlemen,

In accordance with 47CFR 15.212 Modular Transmitters and KDB 996369 D01 'Module Certification Guide v02'. FCC ID: 2AZ2V-101222ZAC93 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 v02'	Explanation from Grantee (do not write yes/no, but 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	No, the radio elements do not have the radio frequency circuitry shielded. Tuning capacitor(s) on the module assembly.
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 module has buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal.
3. The module must contain power supply regulation on the module	No. The module doesn't contain power supply regulation on the module. The module needs an external power supply
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. Device contain a unique antenna connector.
5. The module must demonstrate compliance in a stand-alone configuration	Yes. The demonstrates compliance in a stand-alone configuration
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)	No, due to small size and Product characteristics, the FCC ID shows in the User Manual.
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 module complies with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions by the grantee.
8. The module must comply with RF exposure requirements	Yes. The module complies with RF exposure requirements.

Items to be covered by Split modular transmitters.

Requirement per 15.212 and KDB 996369 D01 'Modular Certification Guide v02'	Explanation from Grantee (do not write yes/no, but explain why product complies/how it is achieved)
9. Split modular transmitters must meet all the requirements of a single modular in above item1 and 5 for single modular approval requirements.	Not applicable
10. Only the radio front end must be shielded. The physical crystal and tuning capacitors may be located external to the shielded radio elements. The interface between the split sections of the modular system must be digital with a minimum signaling amplitude of 150 mV peak-to-peak.	Not applicable
11. Control information and other data may be exchanged between the transmitter control elements and radio front end.	Not applicable
12. The sections of a split modular transmitter must be tested installed in a host device(s) similar to that which is representative of the platform(s) intended for use.	Not applicable
13. Manufacturers must ensure that only transmitter control elements and radio front end components that have been approved together are capable of operating together. The transmitter module must not operate unless it has verified that the installed transmitter control elements and radio front end have been authorized together. Manufacturers may use means including, but not limited to, coding in hardware and electronic signatures in software to meet these requirements, and must describe the methods in their application for equipment authorization.	Not applicable

A limited modular approval (LMA) may be granted for single or split modular transmitters that comply partially with requirements above.

Name: Lorenz Agnes

Date: 2023/03/02

Title: president

Signature of applicant

