

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

Date: October 19, 2023

Subject: **Modular Transmitter Application**

Company name: **Bitstrata Systems Inc.**

FCC ID: **2BAFL-GC848354**

Dear Sir/Madam,

This letter includes the FCC application requirements for Modular Transmitter per

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: 2BAFL-GC848354 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 The radio has a shield (shielding cover)
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 EUT has buffered data inputs, it is integrated in chip.
The module must contain power supply regulation on the module.	Yes The module has "power supply regulation" circuitry
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 This module is equipped with a permanently attached antenna. Refer to the internal photo.
The module must demonstrate compliance in a stand-alone configuration.	Yes This module was tested in a stand-alone configuration. Refer to the test setup photos
The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	Yes The module has its permanently affixed FCC ID label on the shield cover. Refer to the FCC ID Label Location.

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.
The module must comply with RF exposure requirements	Yes The module complies with RF exposure requirements because it's a low power device under 15.247"

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.

Name: Michael Lockerbie

Date: October 19, 2023

Title: VP Hardware Engineering

Signature of applicant:

