



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

Date: February 5th, 2025

Subject: Limited Modular Transmitter Application FCC ID: RKT-BTRM001

Company name: Cast Group of Companies, Inc.

To whom it may concern,

This letter includes the FCC application requirements for a Limited 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: RKT-BTRM001 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 - All components on the BTRM-001 are under a metal shield. See external photos.
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 BTRM-001 has only a serial digital interface to the host processor (SPI). The radio modulation is controlled by the internal processor/radio chip inside the module.
The module must contain power supply regulation on the module.	YES - The BTRM-001 contains a linear regulator to regulate the input power to the correct voltage for the radio circuitry. See block diagram/schematic.
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 §§	YES - The BTRM-001 does not contain antenna connectors. The antenna ports are solder pads which must be connected to appropriate

15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b).	antenna connectors on the host PCB, designed by the module integrator.
The module must demonstrate compliance in a stand-alone configuration.	YES - The BTRM-001 was tested as a stand-alone module, soldered onto an adapter board to allow connection to antennas, power, and a computer to control test modes.
The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	YES - The BTRM-001 will be labeled on the top of the shield with its FCC ID and other required labeling. See sample label document included.
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 BTRM-001 complies with rules applicable to the transmitter, as can be seen from the included Test Report.
The module must comply with RF exposure requirements.	YES - The BTRM-001 complies with RF Exposure requirements as described in the included RF Exposure Test Report.

Sincerely,

Applicant name: Stuart Green

Title: CEO

Company name: CAST Group of Companies Inc.

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Signature

