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

Date: July 23, 2024

Subject; **Modular Transmitter Application**

Company name: Digi International Inc
FCC ID: MCQ-XBLPX

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 MCQ-XBLPX 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.	The modular transmitter has its own shield
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.	The modular transmitter modulation inputs are buffered
The module must contain power supply regulation on the module.	The modular transmitter has its own power supply regulator
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).	The modular transmitter has a "unique" connector/coupler and will be noted to have "professional installation" required
The module must demonstrate compliance in a stand-alone configuration.	The modular transmitter is tested in stand-alone configuration
The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	The modular transmitter will have a permanently affixed label. The FCC ID will be visible on the label. The end user/integrator will be instructed to add "Contains FCC ID: MCQ-XBLPX" or similar wording to their product label.
The module must comply with all specific rules applicable to the transmitter, including all the conditions provided in the integration instructions by the grantee.	The modular transmitter complies with the rules for complete transmitter
The module must comply with RF exposure requirements	The modular transmitter will comply with RF exposure requirements



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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.

Any requirements that are not applicable to the Module are as indicated below.

Summary of requirements and Checklist. Refer to the KDB for description of the complete requirements;

KDB Ref Sect	Requirements of KDB 996369 D03	User Manual Page Number reference
2.2	List of applicable FCC rules	237
2.3	Summarize the specific operational use conditions	237
2.4	Limited module procedures	237
2.5	Trace antenna designs	237
2.6	RF exposure considerations	238
2.7	Antennas	231 - 236
2.8	Label and compliance information	238
2.9	Information on test modes and additional testing requirements	239
2.10	Additional testing, Part 15 Subpart B disclaimer	239

Name: Erik Reynolds

Date: August 29, 2024

Title: Director, Test Engineering

Signature of applicant