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

Date: 11/17/2021

Subject; **Modular Transmitter Application**

Company name: Digi International
FCC ID: MCQ-PS2C5

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-PS2C5 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.	All RF circuitry are under a shield. This excludes antenna ports.
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 module complies with Part 15 requirements.
The module must contain power supply regulation on the module.	The module regulates and accepts voltages from 2.7VDC to 3.6VDC
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 module contains only one antenna port per module, and will only be marketed and operated only with specific antennas
The module must demonstrate compliance in a stand-alone configuration.	The module will operate in compliance with a 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 module has an affixed label marked with the model and FCC ID
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 module will not deviate from any rules applicable to the transmitter.
The module must comply with RF exposure requirements	This module meets or exceeds RF exposure requirements. Each module maintains compliance by testing after production.



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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	307
2.3	Summarize the specific operational use conditions	307
2.4	Limited module procedures	307
2.5	Trace antenna designs	308
2.6	RF exposure considerations	308
2.7	Antennas	308
2.8	Label and compliance information	308
2.9	Information on test modes and additional testing requirements	308
2.10	Additional testing, Part 15 Subpart B disclaimer	308

Name: Paul Dahl

Date: 11/18/2021

Title: Sr. Manager of Engineering

Signature of applicant