



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

Date: 3/6/2025

Subject; **Modular Transmitter Application**

Company name: Itron, Inc.
FCC ID: OWS-ENIC551-01

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 OWS-NIC551-01 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 radio portion of this module is shielded, please refer to the module 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.	The module includes buffered data inputs.
The module must contain power supply regulation on the module.	This module includes its own power management unit, please refer to the block diagram exhibit.
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).	This module contains a permanently attached antenna.
The module must demonstrate compliance in a stand-alone configuration.	Please refer to test report and test setup photos.
The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	Please refer to the ID label exhibit
The module must comply with all specific rules applicable to the transmitter, including all the conditions provided in the integration instructions by the grantee.	Please refer to the <i>GenX Hardware Development Kit</i> .
The module must comply with RF exposure requirements	Please refer to the MPE test report.

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	42
2.3	Summarize the specific operational use conditions	42
2.4	Limited module procedures	
2.5	Trace antenna designs	
2.6	RF exposure considerations	42-43
2.7	Antennas	
2.8	Label and compliance information	43-44
2.9	Information on test modes and additional testing requirements	44
2.10	Additional testing, Part 15 Subpart B disclaimer	45

Name: Asim Tirmizi

Date: 3/6/2025

Title: Senior Manager Product Development

Signature of applicant

