

September 7, 2018

RE FCC ID: 2AJX5-SA04850

To the certification reviewer:

We are hereby applying for full modular approval of the above-referenced FCC ID, based on compliance with all of the criteria as detailed below.

Sincerely,



Drinan Gorney

For, Byrne Electrical Specialists, Inc.

Risk, Compliance, Tech Services & IP Sr. Mgr.

Part 15 Unlicensed Single Modular Transmitter Approval Justification per 15.212

Requirement per 15.212	reference
(i) The radio elements of the modular transmitter must have their own RF shielding.	The module does not have its own shielding due to its low operating frequency of 110-205kHz.
(ii) The modular transmitter must have buffered modulation/data inputs (if such inputs are provided).	All modulation and data inputs are buffered by through logic or microprocessor inputs.
(iii) The modular transmitter must have its own power supply regulation.	Internal 3.3V power regulator. Refer to Block diagram
(iv) The modular transmitter must comply with the antenna and transmission system requirements of §§ 15.203, 15.204(b) and 15.204(c).	The antenna is permanently attached. Please refer to antenna specification and test report.

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<p>(v) The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing for compliance with Part 15 parameters.</p>	<p>The modular transmitter was tested in a stand-alone configuration as shown in the test setup photos.</p>
<p>(vi) The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number. If the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module.</p>	<p>The modular transmitter is equipped with a permanently affixed label at the time of manufacture. Instruction is also clearly presented in the user manual for the labeling requirements of the final assembly.</p>
<p>(vii) The modular transmitter must comply with any specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements. A copy of these instructions must be included in the application for equipment authorization.</p>	<p>The modular transmitter complies fully with FCC Part 15 Subparts B and C rules as demonstrated in the test report. Installation and the other requirements are presented in the user manual to allow the unit to be correctly installed.</p>
<p>(viii) The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.</p>	<p>This device is categorically excluded from routine environmental evaluation for RF exposure.</p>