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**RE FCC ID:** A7D-24ZB-PA100

**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, Scott McDermaid



**Part 15 Unlicensed Single Modular Transmitter Approval Justification per 15.212**

<b>Requirement per 15.212</b>	<b>reference</b>
(i) The radio elements of the modular transmitter must have their own RF shielding.	Yes. Shielding is provided by a metal cover over the circuitry and by a ground plane on the bottom. The holes in the shield is significantly smaller than the wavelength of the radiation that is being blocked.
(ii) The modular transmitter must have buffered modulation/data inputs (if such inputs are provided).	Yes. The modular data inputs are buffered through log or microcontroller connections. All modulation and data inputs are buffered by circuitry on the transmitter chip.
(iii) The modular transmitter must have its own power supply regulation.	Yes. Power supply regulation is provided by circuitry on the transmitter chip.
(iv) The modular transmitter must comply with the antenna and transmission system requirements of §§ 15.203, 15.204(b) and 15.204(c).	Yes The antenna is either integral antenna or certified antenna which are listed in the manual.
(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.	Yes. The modular during testing with a laptop power supply and the distance is greater than 10cm between modular and supporting equipment.
(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.	Yes. A sample of module label is provided as an exhibit The host lable instruction is showed in the user manual

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<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>Yes. The module complies fully with the operating requirements of Part 15 section [247] as demonstrated in the test report and manual.</p>
<p>(viii) The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.</p>	<p>Yes. Compliance with specific RF exposure requirements as documented in an RF Exposure report per: Part 2.1091</p>