

Federal Communications Commission  
 Authorization and Evaluation Division

**REFERENCE**
**October 21, 2020**
**FCC ID: 2AXEJTABT1**
**RE: Request for Limited Single-modular transmitter**
**APPLICANT: Eagle Acoustics Manufacturing, LLC (dba Trulli Audio, Inc.)**

## Modular approval Requirements

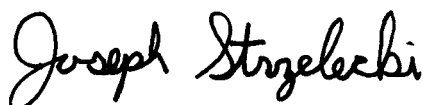
Item	Requirement	Meets	Justification
1	The radio elements of the modular transmitter must have their own shielding. The physical crystal and tuning capacitors may be located external to the shielded radio elements.	No	The EUT is unshielded, as installed in the JAM5 host device  This module is not intended for sale or use to 3 <sup>rd</sup> parties. The module is enclosed within the product and does not depend on any other shielding. The reference crystal is contained within the module.
2	The modular transmitter must have buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with part 90 requirements under conditions of excessive data rates or over-modulation.	Yes	The modular transmitter has buffered modulation/data inputs to ensure that the module will comply with part 15 requirements under conditions of excessive data rates or over-modulation.
3	The modular transmitter must have its own power supply regulation.	No	The module power supply is regulated on the carrier board to which the module is assembled to product, and this module will only be sold with Trulli products with a carrier board with a regulated power supply.
4	The modular transmitter must comply with the antenna and transmission system requirements of §§ 15.203, 15.204(b) and 15.204(c). The antenna must either be permanently attached or employ a "unique" antenna coupler (at all connections between the module and the antenna, including the cable). The "professional installation" provision of § 15.203 is not applicable to modules but can apply to limited modular approvals under paragraph (b) of this section.	Yes	<i>The Antenna is permanently attached to the PCB. It will always be inside a Trulli product. The antenna will not be accessible to the end user.</i>
5	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 requirements. Unless the transmitter module will be battery powered, it must comply with the AC line conducted requirements found in §15.207. AC or DC power lines and data input/output lines connected to the module must not contain ferrites, unless they will be marketed with the module (see §15.27(a)). The length of these lines shall be the length typical of actual use or, if that length is unknown, at least 10 cm to insure that there is no coupling between the case of the module and supporting equipment. Any accessories, peripherals, or support equipment connected to the module during testing shall be unmodified and commercially available (see §15.31(i)).	Yes	The product was tested connected to an open PCB. This PCB is typical of the PCB's Trulli will use during actual installation. There was no shielding of the RF module. It was tested with a typical power supply that Trulli provides with its products.
6	The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.	Yes	This module is assembled in the end-product and covered by plastic housing with adhesive. <i>The product will always be inside another enclosure during actual use. The host device will have "Contains FCC ID 2AXEJTABT1 IC 26436-TABT1" along with the FCC information. The FCC statement will also be included in the user's manual.</i>

Item	Requirement	Meets	Justification
<b>7</b>	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.	Yes	<i>This module is assembled in the end-product and covered by plastic housing.</i>  <i>There is no access to modify the performance without destruction of the end-product.</i>
<b>8</b>	The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	Yes	<i>Refer to RF exposure Exhibit. The transmitter meets MPE calculations of 47 CFR 1.1310.</i>

The product is an RF Module for use in Trulli wireless speakers. The product will not be sold as a separate product to consumers.

Radiometrics has been authorized by Trulli Audio to act as an agent in the preparation of their submittal request for Modular Approval.

Sincerely,



Joseph Strzelecki  
Senior EMC Engineer  
Radiometrics Midwest Corporation  
Authorized Agent for Eagle Acoustics Manufacturing, LLC (dba Trulli Audio, Inc.).  
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