



**SOLVING A WAVE OF EMI COMPLIANCE PROBLEMS**

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Federal Communications Commission  
Authorization and Evaluation Division

**APPLICANT: Trilithic, Inc.**

**REFERENCE FCC ID: P4V-RP1103N**

**RE: Request for Modular Approval**

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

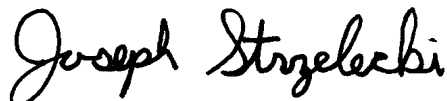
Limited Single -Modular approval Requirements Characteristics: FCC Part 15

| Item | Requirement  | EUT Justification   |
|------|--|---|
| 1    | Have its own RF shielding  | 1) The RF section is completely shielded.<br>2) There is a 2 <sup>nd</sup> shield over entire module.<br>3) The module does not depend on any external shielding.<br><br>See internal Photos Exhibit. |
| 2    | Have buffered modulation/data inputs (if such inputs are provided),  | 1) All Inputs / Outputs are standard SDIO Bus<br>2) No other method of control is available   |
| 3    | Have it own power supply regulation  | 1) The module is simply provided with +3.3V and an on/off switch. All other voltage rails are created on the module.  |
| 4    | Meet the antenna requirements of Section 15.203  | 1) The antenna is a PCB antenna mounted on the inside of the plastic with double sided adhesive tape.<br>2) No other antenna is to be used.   |
| 5    | Be tested in a stand-alone configuration, i.e., the antenna, AC or DC power and data input/output lines must be connected to the module but, the module must not be inside another case during testing   | The EUT was in a non conductive housing during the tests. It is not being sold by Trilithic as a stand alone device. It will be installed in products similar to the one it was tested with.          |
| 6    | Be labeled with its own FCC ID number, <b>and</b> 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. | The external label has the text "Contains" near the FCC and IC filing numbers.  |
| 7    | The modular transmitter is manufactured so that the user cannot influence the operation of the transmitter that will operate outside of the scope of the regulations.  | 1) The frequency list and power level is compiled into the firmware running on the module. This cannot be affected by the end user.   |

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|------|---|--|
| 8    | Address compliance with the Commission's RF exposure limits in Sections 1.1310 and 2.1093. In addition, spread spectrum transmitters operating under Section 15.247 are required to address RF exposure compliance in accordance with Section 15.247(b)(4). | Refer to RF exposure Exhibit. The transmitter meets MPE calculations of 47 CFR 1.1310. |

Please do not hesitate to contact me if there are any further questions.

Sincerely,



Joseph Strzelecki, NCE  
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Authorized Agent for Trilithic  
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