

13 May 2025

Attention:
Application Examiner
Re: Justification of Modular Approval
Applicant: Rosemount, Inc.
FCC ID: LW2-RM2642

Dear Application Examiner:

Modular Transmitter Model RM2642 FCC ID:LW2-RM2642

Request is hereby submitted by Rosemount, Inc. to certify the Bluetooth Low Energy Radio Module RM2642 as a Limited Modular Transmitter under the FCC rules CFR47 Part 15.212. The following list shows compliance with each of the special requirements listed for modular approvals:

1. **“The modular transmitter must have its own RF shielding.”** The radio module does not have its own shielding.
2. **“The modular transmitter must have buffered modulation/data inputs.”** The module uses the TI CC2642R radio chip and it has buffered input and outputs.
3. **“The modular transmitter must have its own power supply regulation.”** The TI CC2642R has built in voltage regulation.
4. **“The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c).”** The module contains an integrated PCB trace antenna and has no external connection for other antennas. It cannot be modified by the end user and will only work with very specific Rosemount devices.
5. **“The modular transmitter must be tested in a stand-alone configuration.”** The EUT was not tested in stand alone configurations and only can be used in Rosemount devices.
6. **“The modular transmitter must be labeled with its own FCC ID number.”** Per the FCC ID label and location exhibit, the FCC ID is permanently affixed to the module. If the FCC ID number will not be visible when the module is installed inside a host device, another label with the FCC ID will be applied to the exterior of the host device.
7. **“The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements.”** See the test report and the user manual with the integration instructions.
8. **“The modular transmitter must comply with any applicable RF exposure requirements.”** The EUT is compliant with all applicable RF exposure requirements. Please see RF Exposure Exhibit.

Sincerely,



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