



Emerson Automation Solutions
6021 Innovation Blvd
Shakopee, MN 55379
USA

Attention:
Application Examiner
Re: Justification of Modular Approval
Applicant: Rosemount, Inc.
FCC ID: LW2-RM5800
To whom it may concern,

Modular Transmitter Model RM5800

Request is hereby submitted by Rosemount, Inc. to certify the Wireless Hart Radio Module RM5800 as a Single 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:

- **The Radio Elements must have the radio frequency circuitry shielded:**
The radio has a metal enclosure as can be seen in the photos
- **Buffered modulation/data inputs:**
The module uses the Linear LTC5800-WHM radio chip and it has buffered input and outputs
- **Power supply regulation:**
The LTC5800 IC has built in voltage regulation.
- **The module must contain a permanently attached antenna or contain a unique antenna connector:**
The module contains a MMCX connector that approved antennas can be connected. Since the module must be integrated into another enclosure, this connection is integral to the unit and not accessible to the end user.
- **Compliance in « Stand alone » configuration :**
This is demonstrated in the test report.
- **Permanent labeling :**
Per the module photos, the FCC ID is permanently affixed to the module.
- **The module must comply with all specific rules applicable to the transmitter :**
See the test report and the user manual with the integration instructions.
- **RF exposure limits:**
See the test report.

Sincerely,

A handwritten signature in black ink, appearing to read "Rosemount", is written over a faint, larger signature.

Principal Approvals Engineer
Rosemount, Inc.

