

Federal Communication Commission  
Equipment Authorization Devision, Application Processing Branch  
7435 Oakland Mills Road  
Columbia, MD 21048

Freiburg, on 22. Juli 2025

## Class 2 Permissive Change (C2PC) Request Letter

FCC ID: 2BL4CEN-WM2, granted on 03/31/2025

TO WHOM IT MAY CONCERN

Pursuant to CFR § 2.1043 we, endio Engineering GmbH hereby requests a Class 2 Permissive Change.

### Reason: Host devices integration

The certified wireless module is integrated in the following devices:

- Retrofit-Box: Wireless device that collects sensor data and forward it to the central Gateway.
- Gateway: It receives the sensor data over wireless and forward it over Ethernet to the cloud.
- Din-Rail Dongle: It has similar functionality to Gateway but it forwards the data over RS-232 UART Serial communication.

### Modifications:

Host Device	Changes
endio Retrofit-Box V2	<ul style="list-style-type: none"><li>- Stainless-Steel &amp; Teflon housing</li><li>- Housing antenna</li><li>- Integrated temperature and acceleration sensors</li><li>- Inductive Wireless-charging (Qi)</li><li>- Integrated Thermal Energy-harvester</li></ul>
endio Gateway V2	<ul style="list-style-type: none"><li>- Integrated in a pre-certified Up-Gateway device from Aaeon</li><li>- Metal housing</li><li>- 5V DC powered over an external power-supply</li><li>- <u>868 Omni Antenna</u> with 4.5 dBi antenna gain is added</li><li>- Ethernet and USB interfaces</li></ul>
endio DIN- Rail Dongle	<ul style="list-style-type: none"><li>- Din-Rail plastic housing</li></ul>

	<ul style="list-style-type: none"><li>- 8 – 32V DC powered over an external power-supply</li><li>- <u>868 Omni Antenna</u> with 4.5 dBi antenna gain is added</li><li>- RS-232 UART serial interface</li></ul>
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- 8 – 32V DC powered over an external power-supply
- 868 Omni Antenna with 4.5 dBi antenna gain is added
- RS-232 UART serial interface

The following new exhibits will be uploaded:

- Test Report and Test Setup Photos
- Schematics and PCB Layout
- User Manual
- Operational Descriptions

Sincerely,



Dr. Tolgay Üngan

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