**DOLPHIN**
Self-powered IoT by EnOcean

PCN #: EWSxB_DC-03-PCN-20190805
Change Title: Addition of 2 Mbit mode
Date of publication: August 05, 2019

## Products affected / EnOcean ordering codes
- EWSSB / E8221-A270
- EWSDB / E8221-A280

## Description of change
Following customer feedback, EWSSB and EWSDB version DC-03 will provide the option to select an alternative bit rate of 2 Mbit per second instead of the default 1 Mbit per second via the NFC interface. The current setting of 1 Mbit per second will remain the default setting.

## Impact of change
The new revision provides an additional product option which is not enabled by default. Product behavior remains unchanged unless this option is actively selected via NFC.

## Milestones
- Pre-change products:     Deliveries until August 2019
- Post-change products:    Deliveries starting September 2019

## Reasons for change
- Customer requirement to enable a 2 Mbit mode for specific applications where radio bandwidth is a concern

## Order Code / Step Code after change
- EWSSB: E8221-A270 DC-03
- EWSDB: E8221-A280 DC-03

## Customer impact of change and recommended action
- It is recommended to continue using the default radio setting of 1 Mbit mode due to the higher communication distance compared to 2 Mbit mode. Product behaviour remains unchanged in that case.

## Reference Documents / Attachments
- PTM 215B User Manual v1.9

## PCN revision history

| Date of revision | Author | Revision number | Reason |
|---|---|---|---|
| August 05, 2019 | Kassner | 00 | Original PCN |