



Declaration of Differences

2025/12/15

We, **GWELL TECHNOLOGY CO., LTD.**, hereby declare the differences among the following Semtech LoRa transceiver chips: **SX1262, and LLCC68.**

Parameter	SX1262	LLCC68
Link Budget	170 dB	151 dB
Max Tx Power	+22 dBm	+22 dBm
Sensitivity	-148 dBm	-129 dBm
Modulations	LoRa, LR-FHSS, GFSK	LoRa, GFSK
Frequency Range	150 MHz ~ 960 MHz	150 MHz ~ 960 MHz

Key Clarification

1. Main Chip: The module variants use different LoRa transceiver ICs (SX1262 vs LLCC68).
2. Functional Differences: Receiver sensitivity/link budget and modulation support differ with IC selection (see table above).
3. Transmit/Regulatory: Same frequency range and maximum transmit power are configured; RX differences do not affect transmitter emissions.

Parameter Summary

- Main Chip: SX1262 or LLCC68 (different)
- TX: 150 MHz - 960 MHz, up to +22 dBm (configured the same)
- RX / Features: Sensitivity, link budget, and modulation support differ (see table above)

Statement

The variants use different main transceiver ICs (SX1262 vs LLCC68). For compliance evaluation, transmitter operation (frequency range and maximum transmit power) is configured the same; therefore, transmitter-related

regulatory characteristics are considered equivalent for both variants.

Authorized by:

GWELL TECHNOLOGY CO., LTD.

Sincerely Yours,

James Liu

Gwell Technology Co., Ltd.

Address: 2F-4, No. 14, Lane 609, Sec 5, Chung Hsin Rd., San Chung Dist, New Taipei City, Taiwan