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PRODUCT / PROCESS CHANGE NOTIFICATION
PCN-000822
Date: April-21-2022

Semtech Corporation, 200 Flynn Road, Camarillo CA 93012
Change Details

Part Number(s) Affected:	Customer Part Number(s) Affected: ☒ N/A
- LR1110IMLTRT using firmware 0x0307 and previous versions - LoRa Basics Modem-E V1.1.7 and previous versions	

Description, Purpose and Effect of Change:

Dear Valued LR1110 and LoRa Basics Modem-E Customers,

In an effort to keep improving the performance of our products, Semtech is issuing an updated User Manual, release of LR11xx driver and its LoRa Basics Modem-E firmware.

The purpose is to fix a weakness detected during ETSI/FCC internal pre-certification tests. This weakness might impact certification for all regions.
Only when the chip wakes up from sleep mode with retention, a parameter is not reconfigured properly. Sleep mode without retention is not impacted. This misconfiguration can lead to an unexpectedly high adjacent channel power in subsequent transmissions.

The issue appears only when using LoRa modulation, for all bandwidths except for 500kHz.

The updated User Manual (Rev 1.5) will be available on April 25, 2022.

Customers using LR1110IMLTRT with Firmware 0x0307 and previous version should upload the latest version of LR11xx driver V2.1.1 and update their application, or update their application based on information from the User Manual. The new driver is available on https://github.com/Lora-net/SWDR001 .

Customers using LR1110IMLTRT with LoRa Basics Modem-E V1.1.7 and previous version should upload the latest version of LoRa Basics Modem-E and re-flash the LR1110IMLTRT. The new LoRa Basics Modem-E V1.1.8 will be available on May 20, 2022 on https://github.com/Lora-net/radio_firmware_images/tree/master/lr1110/modem .

We appreciate your continued business and trust,

Best regards
Semtech LoRa team
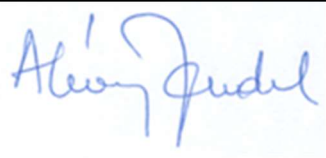
Change Classification	☐ Major ☒ Minor	Impact to Form, Fit, Function	☐ Yes ☒ No
Impact to Data Sheet	☐ Yes ☒ No	New Revision or Date	☐ N/A

Impact to Performance, Characteristics or Reliability:

Implementation Date	For User Manual update => April 25th 2022 LR11xx driver V2.1.1 is available For LoRa Basics Modem-E => May 20th 2022	**Work Week**	**N/A**
Last Time Ship (LTS) Of unchanged product	**N/A**	**Affecting Lot No. / Serial No. (SN)**	**N/A**
Sample Availability	**N/A**	**Qualification Report Availability**	**N/A**

Supporting Documents for Change Validation/Attachments:
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Issuing Authority	
Semtech Business Unit:	Wireless and Sensing Products (WSP)
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