PRODUCT / PROCESS CHANGE NOTIFICATION

PCN-000476

Date: May 25, 2018

☐ Semtech Corporation, 200 Flynn Road, Camarillo CA 93012	
☐ Semtech Canada Corporation, 4281 Harvester Road, Burlington, Ontario L7L 5M4 Canada	
☐ Semtech Irvine, 5141 California Ave., Suite 100, Irvine CA 92617	
☒ Semtech Neuchatel Sarl, Route des Gouttes d'Or 40, CH-2000 Neuchatel Switzerland	
☐ Semtech Bristol - EMEA Limited, Block B, St James Court, Great Park Road, Bristol BS32 4QJ, UK	
☐ Semtech Corpus Christi SA de CV, Carretera Matamorros Edificio 7, Reynosa, Tamaulipas, Mexico 88780	
☐ Semtech Triune, 1101 Resource Drive, Suite 121, Plano TX 75074	
Part Number(s) Affected: SX1280IMLTRT SX1281IMLTRT	**Customer Part Number(s) Affected:** ☒ N/A

Description, Purpose and Effect of Change:

Dear Valued SX1280/81 Customer,

Please be aware of the following changes to the datasheet:

1. The maximum SPI clock speed with which it is possible to communicate with the SX1280/81 has been reduced from 20 MHz to 18 MHz. Please note that this reduction will have no impact on the majority of applications, if you have a high SPI data rate application such as image streaming or in case of any questions, please route them to your Semtech Sales representative.
2. ML RF Input power was 10 dBm and has been reduced to 0 dBm, this may have implications for applications where the SX1280 is used in tight proximity to other, very high power radio transmitters. Please consult applications engineering if you believe you are affected.
3. PHN Phase noise at 2.45 GHz with 1 MHz offset was -117, becomes -115 dBc/Hz. This will have no influence on practical applications of the SX1280.
4. IIP at 6MHz was -6 dBm, becomes -12 dBm, all blocking and immunity figures remain unchanged, so is not anticipated to have any practical impact on customer applications.
5. LoRa sensitivity BW 1625 SF 7, was -109 dBm, a typographical error sees this corrected to -108 dBm

We appreciate your continued business and trust,

Best regards
Semtech LoRa team

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Change Classification	☐ Major ☒ Minor	**Impact to Form, Fit, Function**	☐ Yes ☒ No
Impact to Data Sheet	☒ Yes ☐ No	**New Revision or Date**	☒

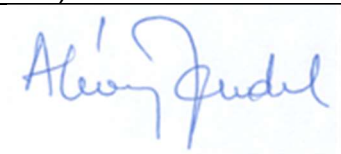
Impact to Performance, Characteristics or Reliability:

Refer to above section.

Implementation Date	**N/A**	**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:

- **Please refer to : https://www.semtech.com/uploads/documents/sx1280_81.pdf**

Issuing Authority		
Semtech Business Unit:	Wireless and Sensing Products (WSP)	
Semtech Contact Info:	Anne Levy-Mandel Wireless and Sensing Sr Quality Manager alevymandel@semtech.com +41 32 729 40 61	

FOR FURTHER INFORMATION & WORLDWIDE SALES COVERAGE: http://www.semtech.com/contact/index.html#support