

## Modular Approval Request Letter

**FCC ID:** N8NLSD4RF2F917N10

**Data:** 2016-12-16

Gentlemen:

There's a 915MHz LoRa Module that would like to have your authorization as a modular approval.

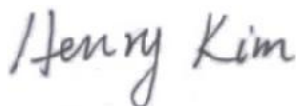
The specific product as below, 915MHz LoRa Module, with its designed features and specified description, meets special requirements for full modular approval on FCC Public Notice part 15.212 Released: June 26, 2000 by cross-reference list below.

Company	: Lierda Science & Technology Group Co., Ltd.
Model Name	: 915MHz LoRa Module
Model Number	: LSD4RF-2F917N10
FCC ID	: N8NLSD4RF2F917N10

Requirement of Public Notice part 15.212	Reference to LSD4RF-2F917N10
1. The modular transmitter must have its own RF shielding.	The module has its own RF shielding. Please see <a href="#">external photo.pdf</a>
2. The modular transmitter must have buffered modulation/data inputs.	The modular has buffered data inputs, it is integrated in chipSX1276IMLTRT. Please see <a href="#">schematic.pdf</a>
3. The modular transmitter must have its own power supply regulation.	The module has its own power supply regulation, DC2.4-3.6V input should applicable to the product.
4. The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c).	The LSD4RF-2F917N10 meets the FCC antenna requirements. It has a unique connector. Please see <a href="#">external photo.pdf</a>
5. The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing.	The LSD4RF-2F917N10 was tested in a stand-alone configuration via a PCMCIA extender. Please see <a href="#">conducted set-up photo.pdf</a> and <a href="#">spurious set-up photo.pdf</a>
6. The modular transmitter must be labeled with its own FCC ID number, and, if the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module.	The label position of LSD4RF-2F917N10 is clearly indicated. Please see the <a href="#">label.pdf</a>
7. The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements. A copy of these instructions must be included in the application for equipment authorization.	The LSD4RF-2F917N10 is compliant with all applicable FCC rules. Detail instructions are given in the Users Manual. Please see <a href="#">Installation guide.pdf</a>
8. The modular transmitter must comply with any applicable RF exposure requirements. For example, FCC Rules in Sections 2.1091, 2.1093 and specific Sections of Part 15, including 15.319(i), 15.407(f), 15.253(f) and 15.255(g), require that Unlicensed PCS, UNII and millimeter wave devices perform routine environmental evaluation for RF Exposure to demonstrate compliance. In addition, spread spectrum transmitters operating under Section 15.247 are required to <a href="#">address RF Exposure compliance in accordance with Section 15.247(b)(4)</a> .	The LSD4RF-2F917N10 is compliant with applicable RF exposure requirements. Please see <a href="#">RF safety evaluation.pdf</a>

Thank you.

Sincerely,



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Henry Kim / Product Manager

Lierda Science & Technology Group Co., Ltd.