

Applicant/Grantee		Liyatech Corporation		
FCC ID:		2ALXW-LRM001915010		
Section 15.212 Modular Transmitters /				
X	Request for Modular Approval		Request for Limited Modular Approval	
	Requirements		Device Conditions	Comply (Y/N)
Single Modular Approval Requirements				
1	The radio elements must have the radio frequency circuitry must be shielded. Physical/discrete and tuning capacitors may be located external to the shield, but must be on the module assembly.		This module frequency circuitry locates inside the metal shield. (Attached photo.)	Y
2	The module shall have buffered modulation/data input(s) (if such inputs are provided) to ensure that the module will comply with the requirements set out in the applicable RSS standard under conditions of excessive data rates or over-modulation.		This module use Microchip RN2903 as the buffered modulation/data input. (Attached RN2903.pdf and circuit.pdf)	Y
3	The module shall have its own power supply regulation on the module. This is to ensure that the module will comply with the requirements set out in the applicable standard regardless of the design of the power supplying circuitry in the host device which houses the module. Requirements set out in the applicable standard regardless of the design of the power supplying circuitry in the host device which houses the module.		This module use TLV1117KVU as the power supply regulation to ensure the module will company with the requirements. (See “power circuit.pdf”)	Y
4	The module shall comply with the provisions for external power amplifiers and antennas detailed in this standard. The Equipment certification submission shall contain a detailed description of the configuration of all antennas that will be used with the module.		The module comply with the provisions for external power amplifiers and antenna.The antenna detail description and datasheet is attached as “LoRa antenna.pdf”.	Y
5	The module shall be tested for compliance with the applicable standard in a stand-alone configuration, i.e. the module must not be inside another device during testing.		The attached photo shows that this module is not inside another device during testing. (Attached : LRM001 with PC.jpg, LRM001 RN2903.jpg)	Y
6	The module shall comply with the Category I equipment labelling requirements.		This module comply with the Category I equipment labelling requirements.	Y

7	The modular transmitter complies with all specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer will provide adequate instructions along with the module to explain any such requirements. A copy of these instructions is included in this application for equipment authorization:	The instructions for this module is included in the user manual of this module. (Attached : LRM001 English user manual.pdf)	Y
8a	Address compliance with the Commission's RF exposure limits in Sections 1.1310 and 2.1093. In addition, spread spectrum transmitters operating under Section 15.247 are required to address RF exposure compliance in accordance with Section 15.247(b)(4).	This module comply with the Commission's RF exposure limits.	Y

A **limited modular approval** may be granted for single or split modular transmitters that do not comply with all of the above requirements, *e.g.*, shielding, minimum signaling amplitude, buffered modulation/data inputs, or power supply regulation, if the manufacturer can demonstrate by alternative means in the application for equipment authorization that the modular transmitter meets all the applicable Part 15 requirements under the operating conditions in which the transmitter will be used. Limited modular approval also may be granted in those instances where compliance with RF exposure rules is demonstrated only for particular product configurations. The applicant for certification must state how control of the end product into which the module will be installed will be maintained such that full compliance of the end product is always ensured.

Signature

Name/Title: Robert Wang / VP

Company Name: Liyatech

Date: 2017/06/06