

Date: 2023-01-05

FCC ID:2AF6B-RAK11720

IC: 25908-RAK11720

Type of Module: Single Modular Transmitter			
No.	Requirements	Device Conditions	Comply (Y/N)
1	The radio elements of the modular transmitter must have their own shielding. The physical crystal and tuning capacitors may be located external to the shielded radio elements.	The module has its own RF shielding. Refer to the external photos.	Y
2	The modular transmitter must have buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with part 15 requirements under conditions of excessive data rates or over-modulation.	The EUT has buffered modulation/data inputs. It's integrated on the chipset IC U1 / APOLLO3 for BLE and IC UE SX1262 for Lora. Refer to the schematics diagram.	Y
3	The modular transmitter must have its own power supply regulation.	The module has its own power supply regulation.	Y
4	The modular transmitter must comply with the antenna and transmission system requirements of §§15.203, 15.204(b) and 15.204(c). The antenna must either be permanently attached or employ a "unique" antenna coupler.	The antenna is IPEX antenna and antenna gain is 3.12dBi for BLE and 2.3dBi for Lora.	Y
5	The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing for compliance with part 15 requirements.	The modular transmitter was tested in a stand-alone configuration via a laptop PC USB interface.	Y
6	The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.	FCC ID is permanently on the PCB. Refer to the Label Location and Label.	Y
7	The modular transmitter must comply with any specific rules or operating requirements that ordinarily apply to a complete 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 User Manual instruction that the OEM how to use the label.	Y
8	The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	Refer to the test report.	Y

If you have any questions regarding this, please don't hesitate to contact us.

Sincerely,



(Vivian Xu / engineer)
 Shenzhen Rakwireless Technology Co., Ltd.