

Date: 30 June 2022

FCC ID:2AF6B-RAK5147

IC: 25908-RAK5147

| <b>Type of Module: Single Modular Transmitter</b> |   |  |                     |
|---|---|--|---------------------|
| <b>No.</b>  | <b>Requirements</b>   | <b>Device Conditions</b>   | <b>Comply (Y/N)</b> |
| 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 without 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 / SX1303. 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 dedicated antenna and antenna gain is 2.3dBi / 5.1 dBi / 5.8dBi / 8dBi.                                       | 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,




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