Date: 2021-12-27

FCC ID:2AC7Z-ESPWROOM32UE
IC: 21098-ESPWROOMUE

| **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. 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 PIFA antenna and antenna gain is 4dBi. | 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,

Mia Zhou

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(Mia Zhou / title: certification engineer)
ESPRESSIF SYSTEMS (SHANGHAI) CO., LTD.