



FCC ID: Q8Y-FR4020A2

Applicant: Shenzhen FREEDIO Electronic Technology Co., Limited

Request for Single Module Approval

The module transmitter is designed by **Shenzhen FREEDIO Electronic Technology Co., Limited**.
The module transmitter complies the module basis requirement (Item 1 to 8) in (FCC) FCC Part15
Section 15.212 for module Transmitters.

Module basis requirement

- (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.
Answer: The modular transmitter has its own RF shielding. Shield is over the radio circuit module. The trace is really connects to the bottom shielding ground plane. Pls. refer to external photos.
- (2) The module transmitter must have its buffered modulation data inputs.
Answer: The modular transmitter has buffered data inputs, The part number is RT3070
- (3) The module transmitter must have its own power supply regulation.
Answer: The modular transmitter has power supply regulation, The part number is BL9198-18BAPRN (U6 Chip)
- (4) The module transmitter must comply with antenna requirements of Section 15.203 and 15.204(c)
Answer: Device is equipped with unique antenna connector. Pls. refer to external photos
- (5) The module transmitter must be tested in a stand alone configuration.
Answer: The modular transmitter was tested in a stand-alone configuration. Pls. refer to the test setup photo.
- (6) The module transmitter must be labeled with its own FCC ID number, and if the FCC ID number are not visible when the module is installed in another device, then the outside device into which the module is installed must also display a label referring to the enclosed module.
Answer: The modular transmitter has its own FCC ID: Q8Y-FR4020A2. The outside of the device into which the module is installed will also be display a label referring to the enclosed module. This exterior label uses wording as the following: "Contains Transmitter Module FCC ID: Q8Y-FR4020A2".



- (7) The module transmitter must comply with any specific rule or operation requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements.
Answer: The modular transmitter complies with all applicable FCC rules. Detail instructions are giben in the User's Manual. Pls. refer to "User's Manual".
- (8) The module transmitter must comply with any applicable RF exposure requirements.
Answer: The modular transmitter complies with any applicable RF exposure requirements.

Dezhi Huang
Dezhi Huang
Engineer
Shenzhen FREEDIO Electronic Technology Co., Limited

A red circular stamp with a five-pointed star in the center. The text around the star reads "深圳福瑞德电子技术有限公司" (Shenzhen FREEDIO Electronic Technology Co., Limited) and "4030500900" at the bottom.