



12/8/2015

Dear Application Examiner:

Precor Incorporated is submitting this application for the limited modular approval of the WIFI/BLUETOOTH module. The model number is 303346, FCC ID: SZNPRCR303346. The radio in our module is a WL1837MOD radio module manufactured by Texas Instruments. It is capable of WIFI a/b/g/n as well as Bluetooth and Bluetooth Low Energy operation. It is also capable of MIMO operation in 2.4GHz mode, and multiple antenna operation in 5GHz mode. The module is intended to be internally installed across a line of Precor-designed products, professionally assembled.

Our entire module consists of the following

- The WL1837MOD is driven via an iMX6 System On Module (SOM) manufactured by Variscite. (part number SOM-MX6Q_V2_1200C_2048R_128N_16G_AC_EC_WBD_CT_AO).
- The module also includes 2 Molex 479504011 2.4/5GHz antennas permanently affixed to the inside of our exercise console.
- A custom designed heat sink (Precor part number 303334-101)
- A gap filler to conduct heat from the iMX processor to the heatsink
- 4 Small screws to keep the heatsink attached to the SOM

The digital emissions of the product were verified to FCC part 15. In addition, technical reports and exhibits have been provided for the radio to demonstrate compliance with FCC rules 47 CFR 15.225.

Your efforts in reviewing this application are greatly appreciated.

Best regards,

James Minahan
Compliance Engineer