

Modular approval Declaration letter

We , ShenZhen RF-STAR Technology CO.,LTD apply Single modular approval for

Product Name: BT module

Model: RF-BM-BG22B1

FCC ID: 2ABN2-BG22B1

According to 996369 D01 Module Equip Auth Guide v01r04 and 15.212 requirement:

1) The radio elements must have the radio frequency circuitry shielded. Physical components and tuning capacitor(s) may be located external to the shield, but must be on the module assembly;

Answer : Yes, shielding for both side .

2) The module must have buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal;

Answer : Yes ; All inputs to the modules are buffered through logic or microprocessor inputs.

3)The modular transmitter must have its own power supply regulation.

Answer : Yes ; A low drop out regulator is used for modular power supply regulation.

4) The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b);

Answer : Yes ; Device is equipped with PCB antenna.

(5) The module must demonstrate compliance in a stand-alone configuration;

Answer : Yes , distance between modular and all AEs are bigger than 10cm , refer to setup photo.

(6) The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 784748 about labelling requirements);

Answer : Yes ; The modular has a permanent fixed label, and below statement was listed in the User Manual;The host device must be labeled to display the FCC ID of the module “Contains FCC ID: 2ABN2-BG22B1 ”


(7) The module must comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions by the grantee;

Answer : Yes ; The module comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions by the grantee, Refer to test report and user manual .

(8) The module must comply with RF exposure requirements

Answer : Yes ; Transmitter meets MPE calculation of 47 CFR 1.1307 . Refer to MPE Reports and Refer to modular installation manual

*Please contact me if you have any further questions. Thanks for your attention.
Best Regards,*

Signature: 

*Aroo Woo
Project Manager
ShenZhen RF-STAR Technology CO.,LTD
July 27, 2022*