

Shenzhen HighGreat Innovation Technology Development Co., Ltd.

Modular Approval Request Letter

Date: 2019-07-17
FCC ID: 2ALYRHG-B02
Type of Equipment: ESP32-WROOM-32U

The following requirements according to FCC Part 15.212 are met:

- i RF shielding**
The radio portion has his own shielding (see external photos).
- ii Buffered modulation/data inputs,**
All inputs to the modules are buffered through logic or microprocessor inputs. Refer to Schematics.
- iii Power supply regulation,**
Module uses 3.3 V power. Refer to user manual.
- iv Antenna requirements section 15.203, 15.204 b and 15.204 c**
The modular transmitter has an IPEX connector antenna arrangement for Wi-Fi, Refer to internal photo.
- v Stand alone test configuration**
Please referring to test set up configuration photo
- vi Labelling**
The module has its own label. The instruction for labelling rules for the host device has been stated in the users manual
- vii Compliance on specific rule or operating requirements**
The required FCC rules has been fulfilled and all instructions for maintaining compliance has been clearly stated in the users manual
- viii RF Exposure,**
RF exposure requirements are fulfilled for mobile configuration. The installation of the module is restricted to mobile host devices what is clearly stated in the installation instruction of the user manual.
For portable applications OEM integrators need SAR evaluation and an own FCC ID.

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