

Federal Communications Commission
7435 Oakland Mills Road Columbia, MD 21046

Date: March 20, 2017

Request for a Modular Approval - FCC ID: 2AJY6MORIN01

Dear Sirs,

Our module with the above FCC ID is seeking FCC authorization as a modular transmitter. The requirements of the FCC Public notice DA00-1407 and KDB 996369 are met. Please see the following comments: Please contact us if you have any additional questions.

Item	Requirements	EUT
1	Have its own RF shielding	Device is equipped with metal shielding to cover RF section. Refer to external photos
2	Have buffered modulation/data inputs (if such inputs are provided),	The EUT has buffered data inputs.
3	Have its own power supply regulation	To ensure that the FCC limits are observed and the output power stays close to the maximum allowed, the transmit output power is adjusted by a closed loop, digitally programmed, control loop at the start of each packet. The AR9331 provides a closed loop power control based on an on-chip power detector. There is an internal power regulation. The power specification of the SoC (AR9331) we use for the module is 3.3V. +/-10%. No matter what input voltage is applied to the module.
4	Meet the antenna requirements of Section 15.203	Omni antenna, 2.1 dBi gain The requirements of part 15.203 and 15.204 are met.
5	Be tested in a stand-alone configuration, i.e., the antenna, AC or DC power and data input/output lines must be connected to the module but, the module must not be inside another case during testing	Device was tested in a stand-alone configuration on a test jig. Refer to setup photos & internal photos.
6	Be labelled with its own FCC ID number, and if the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module.	The module has its own label. Refer to FCC ID label format and location file.
7	The modular transmitter is manufactured so that the user cannot influence the operation of the transmitter that will operate outside of the scope of the regulations.	Module installation in hosts will require professional installation, therefore the user cannot influence the operation of the transmitter
8	Compliance with RF exposure requirements is the responsibility of the grantee and will be addressed for all final host configurations	Compliance with RF exposure requirements

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