

Shenzhen RAKwireless Technology Co.,Ltd.

Federal Communications Commission

7435 Oakland Mills Road

Columbia MD 21046

Attn: OET Dept.

Ref: FCC Class II Permissive Change for FCC ID:2AF6B-RAK4630

(Original Grant date : 11/27/2020)

Applicant: Shenzhen RAKwireless Technology Co.,Ltd.

Dear Examiner,

This is to request a Class II permissive change for FCC ID:2AF6B-RAK4630

Product description: LoRa Module

originally granted on 11/27/2020

The major change under this application is :

Add new BLE antenna

	Antenna type	Antenna gain	assessment
Original	FPC antenna	BLE:2.23 dBi	The antennas type remains unchanged, but the antenna gain is higher than before. Therefore, based on the new antennas, radiated band edge and spurious are

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			considered testing for BLE function.
New	FPC antenna	BLE:3.0 dBi	

Also, please note the following with respect to this application:

- Software security remains unchanged from the original application. software version updated to V1.0.
A new firmware version (FVIN V1.0) is introduced to support the newly filed antenna configuration.
The firmware includes antenna-specific RF parameter limits to ensure compliance under all operating conditions.
This module supports DTS, DSS and the 900MHz transmitter. they are all the same to original except changes the BLE antenna gain.
C63.10 has updated to the latest version, the test method of PSD and 6dB bandwidth has been changed. So, PSD and 6dB bandwidth has been retested.

If you have any questions regarding this application, please feel free to contact me.

Best Regards,



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