Permissive Change Letter

Shenzhen RAKwireless Technology Co., Ltd.

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Date: 2025-02-17

Federal Communications Commission
7435 Oakland Mills Road Columbia MD 21046 USA

Innovation, Science and Economic Development Canada
Spectrum Management Operations Branch 235 Queen Street Ottawa, Ontario K1A 0H5

To Whom It May Concern:

Request for FCC Class II and IC Class IV Permissive Changes:

A. Class II Permissive Change request on:
FCC Model: RAK11720
FCC ID: 2AF6B-RAK11720 (grant date: 06/07/2024)

B. Class IV Permissive Change request on:
IC Model: RAK11720
IC: 25908-RAK11720 (grant date: June 07, 2024)

For the above indicated device and pursuant to CFR 2.1043 and RSP 100 section 7.5, Shenzhen RAKwireless Technology Co., Ltd. Hereby requests the evaluation of a Class II permissive change for FCC and Class IV permissive changes for IC as described below.

1) Our device is going to be added an alternative antenna:

Existing Antenna for LoRa					Alternative Antenna	
Ant #	Model	Antenna Gain	Antenna Type	Connector Type	Type	dipole fiberglass antenna
1#	RAKARJ14	2.3 dBi	Dipole Antenna	RP-SMA connector	Gain	Max. 3dBi
2#	RAKARJ16	2.3 dBi	Dipole Antenna	RP-SMA connector		

2) And disabled BLE function and decrease the frequency band of LoRa via software.
3) Add HOST LoRa communication expansion module (M/N: MOD-C1-LORA-900)

-The partial test item Radiated Spurious Emission and EMF Evaluation were performed.

There is no other change in hardware or in existing RF relevant portion of the product.
There is no any software/firmware that can be modified by end-user.

Thank you,

By :  Vivian Xu

(Signature) (Print Name)

Title : Certification Engineer **Telephone** : +86 134 8091 2134

On behalf of : Shenzhen RAKwireless Technology Co.,Ltd.

(Company Name)