

Permissive Change Letter

Shenzhen RAKwireless Technology Co., Ltd.

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Date: 2024-04-24

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 II Permissive Changes:

A. Class II Permissive Change request on:

FCC Model: RAK634

FCC ID: 2AF6B-RAK634 (grant date: 10/21/2021)

B. Class IV Permissive Change request on:

IC Model: RAK634

IC: 25908-RAK634 (grant date: December 27, 2021)

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 4 permissive changes for IC as described below.

Our device is going to be added an alternative PCB antenna with max. gain 2.0dBi and integrated in host device WisGate Soho Pro with model/HMN: RAK7267. The RAK7267 has its own FCC ID: 2AF6B-RAK7267 and IC: 25908-RAK7267 for LoRa wireless technology.

The Host RAK7267 has its own LoRa wireless technology and contains approved Wi-Fi and LTE modules.

Existing Antenna					Alternative Antenna	
Ant #	Model	Antenna Gain	Antenna Type	Connector Type	Type	PCB Layout Antenna
1#	SA05A01RA	5.4dBi for Ant0 5.0dBi for Ant1	PIFA antenna	IPEX Connector	Gain	Max. 2.0 dBi
2#	SA03A01RA	5.4dBi for Ant0 5.0dBi for Ant1	PIFA antenna	IPEX Connector		
3#	SA05A02RA	5.4dBi for Ant0 5.0dBi for Ant1	PIFA antenna	IPEX Connector		
4#	6147F00013	3.0 dBi for Ant0 & Ant1	PCB Layout Antenna	IPEX Connector		
5#	K7ABLG2G4ML400	2.0 dBi for Ant0 & Ant1	Fiber Glass Antenna	N-Type Male		

-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 Wi-Fi module

There is no any software/firmware that can be modified by end-user.

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Thank you,

By

:



Vivian Xu

(Signature)

(Print Name)

Title

:

Certification Engineer

Telephone

:

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On behalf of

:

Shenzhen RAKwireless Technology Co.,Ltd.

(Company Name)