

Certification
Issued Under the Authority of the
Federal Communications Commission

By:

SGS North America, Inc.
620 Old Peachtree Road NW Suite 100
Suwanee, GA 30024

Date of Grant: 04/27/2023

Application Dated: 04/27/2023

Shenzhen RAKwireless Technology Co.,Ltd.
Room 506, Building B, New Compark, Pingshan First
Road, Taoyuan Street, Nanshan District,
Shenzhen,
China

Attention: Vivian Xu , Engineer

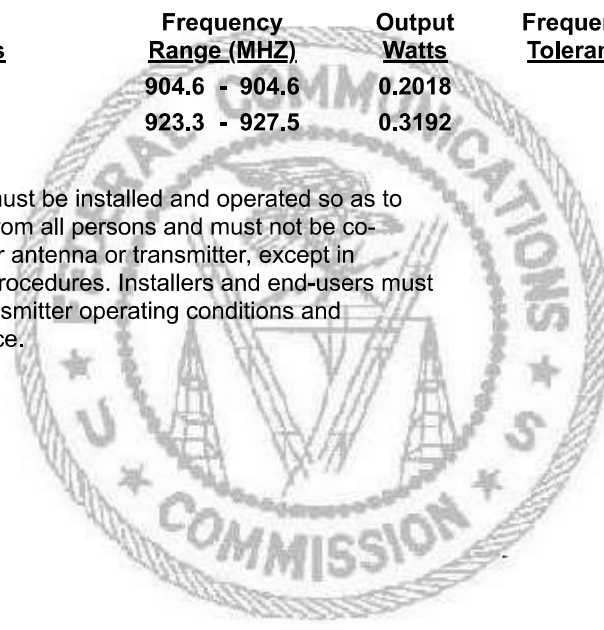
NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: 2AF6B-M310
Name of Grantee: Shenzhen RAKwireless Technology Co.,Ltd.
Equipment Class: Digital Transmission System
Notes: All-in-One. 5G

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
	15C	904.6 - 904.6	0.2018		
	15C	923.3 - 927.5	0.3192		

Output Power is conducted power. This device must be installed and operated so as to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with FCC multi-transmitter product procedures. Installers and end-users must be provided with installation instructions and transmitter operating conditions and instructions for satisfying RF exposure compliance.



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FCC IDENTIFIER: 2AF6B-M310
Name of Grantee: Shenzhen RAKwireless Technology Co.,Ltd.
Equipment Class: Citizens Band Category A and B Devices
Notes: All-in-One. 5G

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
EP MO	96	3555.0 - 3695.0	0.69	2.5 PM	8M96G7D
EP MO	96	3555.0 - 3695.0	0.7	2.5 PM	8M97W7D
EP MO	96	3560.0 - 3690.0	1.02	2.5 PM	18M0G7D
EP MO	96	3560.0 - 3690.0	0.97	2.5 PM	17M9W7D

Output Power is EIRP. This transmitter operates as a Category A CBSD and is limited to professional installation and indoor operations. This device must be installed and operated so as to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with FCC multi-transmitter product procedures. Installers and end-users must be provided with installation instructions and transmitter operating conditions and instructions for satisfying RF exposure compliance. This device supports LTE Band 48 which supports 10 and 20 MHz bandwidth for single carrier mode. This device supports 2*2 MIMO configuration.

EP: Output power is Effective Isotropic Radiated Power (EIRP)

MO: This Multiple Input Multiple Output (MIMO) device was evaluated for multiple transmitted signals as indicated in the filing.

TCB

**GRANT OF EQUIPMENT
AUTHORIZATION**

TCB

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FCC IDENTIFIER: 2AF6B-M310
Name of Grantee: Shenzhen RAKwireless Technology Co.,Ltd.
Equipment Class: Part 15 Spread Spectrum Transmitter
Notes: All-in-One. 5G

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
	15C	903.9 - 905.3	0.1099		

Output Power is conducted power. This device must be installed and operated so as to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with FCC multi-transmitter product procedures. Installers and end-users must be provided with installation instructions and transmitter operating conditions and instructions for satisfying RF exposure compliance.

