

LEEDARSON LIGHTING CO., LTD.

Federal Communications Commission

7435 Oakland Mills Road

Columbia MD 21046

Attn: OET Dept.

Ref: FCC Class II Permissive Change for FCC ID: 2AB2Q-1312PSIP

(Original Grant date: 02/25/2025)

Applicant: LEEDARSON LIGHTING CO., LTD.

Dear Examiner,

This is to request a Class II permissive change for FCC ID: 2AB2Q-1312PSIP

Product description: CC1312PSIP SimpleLink™ Sub-1-GHz Wireless System-in-Package

originally granted on 02/25/2025

The major change filed under this application is:

For the above indicated device and pursuant to CFR 2.1043 LEEDARSON LIGHTING CO., LTD. Hereby requests the evaluation of a Class II permissive change for FCC as described below.

The major change filed under this application is:

1. Change antenna type and antenna gain

Original Antenna

Antenna Information				
	Brand	Antenna Type	Model	915MHz Gain
1	TI	Integrated PCB antenna	LP-EM-CC1312PSIP antenna	+2.69 dBi
2	Kaadas	Flexi PCB antenna	K1	-5.82 dBi
3	Leederson	Integrated PCB antenna	L1	-4.51 dBi
4	Leederson	Integrated PCB antenna	L2	-1.83 dBi
5	Leederson	Stanced antenna	L3	-9.48 dBi
6	Leederson	Stanced antenna	L4	+0.37 dBi
7	Leederson	Integrated PCB antenna	L5	-1.74 dBi
8	Pulse	External whip antenna	W5017	+0.90 dBi
9	Johanson Technology	Chip antenna	0900AT43A0070	-0.50 dBi
10	Johanson Technology	Chip antenna	0915AT43A0026	+1.0 dBi
11	Pulse	Wire antenna	W3113	+0.80 dBi

New antenna for Model : P-SP-A6-01-A

Brand	Antenna Type	Antenna gain
Leedarson	PCB IFA antenna	-0.91dBi

New antenna for Model : P-SP-A5-01B-A

Brand	Antenna Type	Antenna gain
Leedarson	Metal IFA Antenna	-4.08 dBi

New antenna for Model : P-SP-A7-01-A

Brand	Antenna Type	Antenna gain
Leedarson	Metal Monopole antenna	-4.09 dBi

New antenna for Model : P-SD-A12-01-A

Brand	Antenna Type	Antenna gain
Leedarson	PCB IFA antenna	-2.48 dBi

New antenna for Model : D-SWC-A37-01-A

Brand	Antenna Type	Antenna gain
Leedarson	P-SWC-A5-01-A	-0.73 dBi

2. Change the trace design

Please refer to operation description.

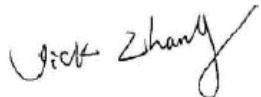
3. Frequency bands: 915MHz and 902.2-927 are disabled and cannot be enabled by the end user.

4. Since the original conducted antenna report shouldn't change. we request the lab to check the conducted output power, all the conducted test items and radiated spurious in all conditions to confirm there are not worst data appears and not impact the conducted antenna Port.

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

Best Regards,

(Signature\*)



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Company Name: LEEDARSON LIGHTING CO., LTD

Contact Name: Vick Zhang

Title of Person : safety engineer

Address: Xingda Road, Xingtai Industrial Zone, Changtai County, Zhangzhou, Fujian, China

Date:05/30/2025