

Federal Communications Commission
7435 Oakland Mills Road
Columbia MD 21046

Date: January 23, 2025

Subject: Requesting Class II permissive change for FCC ID: **2BKBK-W120DP**

To Whom It May Concern:

The purpose of this letter is to request a Class II Permissive change for FCC ID: **2BKBK-W120DP**, original granted on **08/30/2024**

Applicant: Alien Pro Audio USA

A. DESCRIPTION OF PRODUCT CHANGES

1. Add 2.4GHz receiver modular (LT8920), 2.4GHz modular works at 2432MHz, 2452MHz, 2472MHz and only receiver function.
2. Add new adapters (Model: GM70-240300-D), new battery (Model: HSL 1450) and new motor (Model: XCR365SM16110) based on original power adapter, battery and motor;

B. PERFORMANCE DIFFERENCES

Description	Re-testing item	Remark
Maximum Peak Conducted Output Power	Need	Add new battery capacity higher than original (voltage not change), Maximum Peak Conducted Output Power need measure again for new battery.
6dB Bandwidth, Power spectral density, Conducted Spurious Emissions	No need	Maximum Peak Conducted Output Power less than original (tune up same) after check with new battery.
RF Exposure Evaluation	Need	Maximum Peak Conducted Output Power at add new battery change
External Photos	Need	Add new power
Internal Photos	Need	Add new battery. 2.4GHz receiver modular and motor
AC Mains Conducted Emission	Need	Add new battery and new power adapter
Radiated Emission Below 1GHz	Need	Add new battery, new power adapter and motor
Radiated Emission above 1GHz	No need	Maximum Peak Conducted Output Power less than original (tune up same) after check with new battery and Bluetooth antenna not change
Test Setup Photos	Need	Add new battery and new power adapter

Schematic	Need	Add 2.4GHz receiver modular and motor
Block Diagram	Need	Add 2.4GHz receiver modular
Operation Description	Need	Add 2.4GHz receiver modular

C. CONCLUSION

This radio continues to meet all FCC standard requirements, including RF Exposure, thus this change does meet requirements a Class II Permissive Change.

Please contact me if you have any questions or need further information regarding this application.

Sincerely,



2025/1/23

Signature

Date

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