

REQUEST FOR EXPERIMENTAL LICENSE

Pursuant to Section 5.54(a)(1) of the Commission's rules, Joby Aero, Inc. ("Joby") hereby requests a new conventional experimental radio license for a period of two years.¹ Joby is seeking experimental license authority to test wireless radio equipment in the 71-76 GHz and 81-86 GHz ("E band") in connection with its ongoing testing and development of aircraft technology.

Joby is a well-known developer of aircraft technology which has the potential to improve safety and enable new uses for commercial flight. The purpose of the requested experimental license is to enable Joby to test and evaluate the performance characteristics of wireless radio equipment used to support broadband connectivity to and from remotely-piloted aircraft and ground-based stations. Test equipment will be operated only in one aircraft at a time. Additional technical information regarding the proposed operations is set forth in Exhibit B hereto, for which confidential treatment is requested (*see* Exhibit C).

Joby understands that its proposed use will be on a non-interference basis. At the commencement of operations, Joby will monitor the channels. In the event it determines the channels are currently occupied by another user, it will suspend transmissions on that channel to prevent causing harmful interference.

The equipment will only be used for portions of the flight when the aircraft has reached an operational altitude (*i.e.*, not during landing and takeoff), and will be powered on/off by the remote pilot. The Stop Buzzer contact listed below will be able to communicate directly with the remote pilot should they receive any reports of interference or requests from FCC staff to discontinue operations.² In such an event, Joby will immediately suspend transmissions and will not resume testing until the interference incident has been resolved.

Joby also requests an exemption from the station identification requirements set forth in Section 5.115 of the Commission's rules.³ This rule section provides that licensees may be exempt from station identification requirements if so specified by the terms of their station authorization. Because the subject equipment is not capable of transmitting station identification information in the mode required, Joby respectfully requests that any authorization issued for the proposed station include a condition expressly exempting it from Section 5.115.

¹ 47 C.F.R. § 5.54(a)(1)

² 47 C.F.R. § 5.308

³ 47 C.F.R. § 5.115

STOP BUZZER CONTACT

**Ed Miller
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The proposed operations will aid Joby in the testing and development of new flight technology of potential future benefit to the public. Accordingly, FCC approval of this request will serve the public interest, convenience and necessity.