

## REQUEST FOR EXPERIMENTAL LICENSE

Pursuant to Sections 5.3(j), 5.51(a) and 5.54(a)(1) of the Commission's rules, Joby Aero, Inc. ("Joby") hereby requests a new conventional experimental radio service station license to operate in the 5100-5150 MHz band for a period of 18 months, up to and including March 30, 2025.<sup>1</sup> The purpose of this request is to allow Joby to test and develop wireless radio equipment for redundant aircraft telecommand and telemetry purposes. This request for experimental license incorporates and supplants Joby's current Special Temporary Authorization (WV9XGV), which expires on October 29, 2023.

Joby develops and manufactures major aircraft components. Joby requests an experimental license to continue testing and evaluating the performance characteristics of radio equipment manufactured by Silvus (Model# SC4200) that are currently authorized under STA WV9XGV. Aircraft using the equipment will continue operating in the 5100-5150 MHz band during daylight hours, with flight tests typically of one hour duration, up to a maximum altitude of 15,000 feet above mean sea level. Test equipment will be operated on a maximum of two aircraft (two radios per aircraft), though multiple aircraft may operate the equipment on any given day, and two ground stations (two radios per station).

Joby also requests that the FCC expressly exempt the proposed station from the station identification requirements set forth in Section 5.115 of the Commission's rules.<sup>2</sup> This rule section provides that licensees may be exempted from these 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 the station from Section 5.115 of the Commission's rules.

The subject operations have been frequency coordinated with the Aerospace & Flight Test Radio Coordination Council ("AFTRCC"), which obtained concurrence from the Department of Defense (*see* Exhibit 2). Joby is separately coordinating with the FAA. Joby understands that its proposed use will be on a non-interference basis to current authorized users and will suspend its operations in the event harmful interference occurs. The stop buzzer contact for the proposed operations is:

Greg Belaus  
Joby Aero, Inc.  
(408) 398-8615

The requested license will aid Joby in its ongoing 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.

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<sup>1</sup> 47 C.F.R. §§ 5.3(j), 5.51(a), 5.54(a)(1).

<sup>2</sup> 47 C.F.R. § 5.115.