

AeroVironment, Inc.  
Application to Modify an Experimental License WL2XBU  
Statement in Support of Application

AeroVironment, Inc. (AV) designs, develops, manufactures, supports and operates unmanned aircraft systems (“UAS”). As part of the engineering and production process, AV tests the UAS communications systems to make sure specifications are met and to learn how it can better serve its customers.

In this application, AV seeks to modify its authority to conduct laboratory tests in UHF band segments, 454.675-454.975 MHz and 459.675-459.975 MHz, at AV’s Moorpark, CA and Simi Valley, CA facilities. This application proposes to increase the Output Power/ERP to 10 w. No other changes are proposed. The tests will remain confined to laboratory tests; no flights will take place.

The laboratory testing supports AeroVironment’s, Sunlider project, previously referenced as Hawk30 Hight Altitude Platform System (HAPS) for unmanned aircraft. Successful tests were conducted in 2020 from Spaceport America, New Mexico under experimental license WK2XXW. The aircraft flew into the stratosphere at 65,000 feet altitude. A comprehensive testing regime was conducted throughout the solar powered flight. At varying intervals of the flight, interference was encountered in the UHF band transmissions. The purpose of this modification is to conduct laboratory testing to examine whether increases in the power limits will alleviate the challenge.

Thank you for your consideration. Please call upon us with any questions.