

## **Explanation of Amendment to Modification Request**

AeroVironment, Inc. submits this amendment to its pending application to modify its experimental license, WJ2XUP, File No. 0214-EX-CM-2019.

Current authority under WJ2XUP authorizes 454.7000- 454.9750/459.7000-459.9750 MHz at sites located at Edwards Air Force Base, CA and Lanai, HI, at an altitude of no higher than 9000'/2743 meters.

The purpose of this amended modification request is to:

- Increase the flight altitude to 80,000 feet/25.90 km and the power levels to 5 watts,
- To add the AeroVironment laboratory sites at Simi Valley, Ventura County, CA, and Moorpark, Ventura County, CA to the authorization,
- Provide the concurrence of A2G Communications, LLC, license holder of WQZP772 and KWU510, which encompasses these channels and
- Extend WJ2XUP's authorization period under December 1, 2020.

This amendment supports work relating to flight testing AeroVironment's prototype aircraft, the Hawk30 High Altitude Platform System (HAPS) unmanned aircraft. The project encompasses solar-powered high altitude long-endurance (HALE) technology.

The technical parameters of the Microhard Pico 400 remain the same as noted in the license except for the Lanai, HI site. Operations at the AeroVironment laboratories will not involve flight.

Stop Buzzer- Bart Decker, Mission Standards Director, will be available by telephone or electronic mail at 805 391-1335 and Decker@AVINC.com, and will act as a "stop buzzer" if any matters involving interference arise during the testing.

AeroVironment asks for a waiver of the station identification requirements stated in Section 5.115 of the Commission's rules.

AeroVironment appreciates the Commission's courtesy in considering this application. Please call upon us with any questions.