

Explanation of Modification Request

AeroVironment, Inc. submits this application to modify its experimental license, WJ2XUP, to provide authorization to access 454.7000-454.9759/459.7000-459.9750 MHz at its laboratories in Moorpark, CA and Simi Valley, CA. Current authority under WJ2XUP authorizes 454.7000-454.9759/459.7000-459.9750 MHz at sites located at the Edwards Air Force Base, CA and Lanai, HI, at an altitude of no higher than 9000'/2743 meters.

This application supports work relating to flight testing the prototype aircraft of AeroVironment's Hawk30 High Altitude Platform System (HAPS) unmanned aircraft. The project encompasses solar-powered high altitude long-endurance (HALE) aircraft. The tests address integrating the transceivers in the solar environment.

AeroVironment's Moorpark, CA and Simi Valley, CA labs are at the following locations:

- Simi Valley, Ventura County, CA North 34° 19' 23" West 118° 51' 35" Laboratory Testing AGL
- Moorpark, Ventura County, CA North 34° 17' 13" West 118° 52' 09" Laboratory Testing

The technical parameters **of the** Microhard Pico 400 remain the same as noted in the license. Operations will be confined to the AeroVironment laboratories. No flights will be undertaken. The Microhard Pico 400 is not experimental.

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.

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