

STATEMENT ACCOMPANY MODIFICATION APPLICATION

AeroVironment, Inc. (AV), submits this application to modify experimental license WK2XFQ for purposes of testing the aeronautical telemetry link at 5100-5110 MHz at Lanai, HI. This modification proposes intermittent high altitude flights up to 80,000 feet/25.9 km within a radius of 11.11 km.

This request is for purposes of flight testing a prototype aircraft. Authorization to use 5100-5110 MHz will support AeroVironment's Hawk30 High Altitude Platform System (HAPS) unmanned aircraft testing. The project encompasses solar powered high altitude long-endurance (HALE) unmanned aircraft. The tests address integrating the transceivers in the solar environment. Tests will be performed at incremental altitude intervals. The telemetry link, 5100-5110 MHz, is essential for the flight test to collect data necessary to study the aircraft structure and systems during flight. It will permit examining the aircraft and its radio technology capacity to meet UAS standards for US airspace. The Lanai, HI tests will address how well operational and service delivery performance are met by its solar energy resource.

The Aerospace and Flight Test Coordination Council (AFTRCC) coordination is attached.

This modification evolves from discussions with representatives of Federal Aviation Administration (FAA) Spectrum Engineering. The FAA coordination document is attached.

AeroVironment appreciates the consideration and courtesy extended by the FCC, NTIA, FAA and other reviewing agencies.