

AeroVironment, Inc.
Application to Modify WI2XVI

STATEMENT ACCOMPANYING REQUEST to MODIFY
EXPERIMENTAL AUTHORIZATION WI2XVI

AeroVironment, Inc. (AV) designs, develops, manufactures, supports and operates unmanned aircraft systems ("UAS") and provides related services to organizations within the U.S. Department of Defense and to international allied governments. As part of the engineering and production process, AV tests the UAS communications systems to make sure customer specifications are met and to learn how it can better serve its key customers. Experimental authority WI2XVI enables AV to pursue experimental operations to test UAS command and control, telemetry and payload systems in Madison and Limestone Counties, Alabama.

This application seeks to add an additional site in Mooresville, Limestone County, Alabama, which is outside of the current location. As availability of each site varies, the addition of this site will afford flexibility in scheduling and conducting the testing.

AeroVironment, Inc. respectfully requests that experimental license WI2XVI be modified to add a site located at North 34° 43' 31.73" West 86° 52' 50.69, referenced as Henderson Farms, near the Huntsville-Brownsferry Road, Mooresville, Limestone County, Alabama.

There are no changes to the frequency channels to be accessed on an intermittent basis, 2362 MHz, 2366 MHz, 2389 MHz and 2390 MHz or the current technical parameters. AeroVironment will maintain the Emission Designators 4M68G7W and 1M56G7W and the transmit power at 1.5 w. Airborne operations will not exceed 152 meters AGL. Flights shall be within a radius of 4.2 km.

The coordination with the Aerospace & Flight Test Radio Coordinating Council (AFTRCC) is attached to this application. The tests relate to small unmanned aircraft (SUAS) radio technology for allied foreign governments for security and public safety purposes.