

AeroVironment, Inc.
Application to Renew WK2XUQ

STATEMENT ACCOMPANYING REQUEST to RENEW
EXPERIMENTAL AUTHORIZATION WK2XUQ

AeroVironment, Inc. respectfully requests that WK2XUQ be renewed for an additional six month period. There are no changes to the frequency channels to be accessed, the 2085.5-2097.5 MHz and 2097.5-2109.5 MHz segments, to the site location or to the technical parameters.

The purpose of the experiments remains to further examine interference between transmissions in the 2085.5-2097.5 MHz and 2097.5-2109.5 MHz band segments and an RF payload on the aircraft. Radio performance and functional flight tests will be pursued to examine technology refinements and advances. The experiments will replicate scenario-based environments to discern operational effectiveness and the degree refinements are needed to transceivers, antenna, emission designators, power source and the overall system. The testing evaluates the technology's effectiveness in context of the RF payload. Tests will remain performed on an intermittent basis.

The testing and experiments continue work for the US Department of Defense (DoD), Defense Advanced Research Projects Agency (DARPA). The contract reference is Squad-X Experimentation Phase 2 contract #: W912CG-20-C-0004.

AeroVironment values and thanks the Commission, NTIA and other agencies for its review and consideration.