

Application for Experimental License

This application for Northrop Grumman Systems Corporation (NGSC) is to permit investigating and testing methods of transmitting data from an aircraft-mounted pod to an Apple iPad receiver in the cockpit. The base station equipment would be installed in a pod mounted on an A10 wing pylon. The user equipment (Apple iPad) would reside in the cockpit of the same A10 aircraft.

The objective is to permit mounting temporary equipment in a pod without modifying the existing aircraft wiring harness. The iPad would use its existing (built-in) antenna. The equipment mounted in the pod would use either a Cobham 092-00662-001 5.5" UHF antenna or a Cobham 92-00785 L-S antenna, depending upon frequency. The maximum gain of either antenna is 2.15 dBi.

This work is a continuation of work performed as authorized under call sign WJ9XXL, FCC File No. 0651-EX-ST-2016. An additional year is required to complete the work.

This work is being conducted pursuant to USGOV contract number: H94003-04-D-0004 D/O 0327. POC is Mike Graham (NGB/A5RC), michael.graham.3@ang.af.mil (W) 240-612-7060.