

Northrop Grumman Systems Corporation
Application for Special Temporary Authority

The above-referenced application is submitted on behalf of Northrop Grumman Systems Corporation (NGSC) for an experimental Special Temporary Authority (STA) to permit airborne evaluation of point-to-point telemetry from an aircraft to a ground communication node. These evaluations will be conducted at low power (2 watts ERP). Operation is designed for a single fixed center frequency on a 5 megahertz center from 2235 MHz to 2275 MHz.

This work is to be performed at White Sands Missile Range pursuant to a U.S. Government contract as detailed in the application using an experimental transmitter coupled with a developmental patch antenna. The antenna is an experimental design consisting of multiple patch radiator antenna elements. Polarization is linear and beamwidth is 90 degrees.