

Northrop Grumman Systems Corporation

Northrop Grumman Systems Corporation (NGSC) in this application requests a two-year experimental license for the purpose of testing the airborne data link capabilities of the new Silvus equipment detailed in the application. This technical aspects of this application are identical to those previously granted under Special Temporary Authority WK9XIR, FCC File No. 1278-EX-ST-2016.

Directional Antenna Information. The Silvus SC3800C and associated equipment employs MIMO technology to accomplish beamforming. The resulting transmit and receive beamwidth is 3 degrees. Orientation in the horizontal and vertical planes will be directional and vary to-and-from the airborne and fixed locations.