

Northrop Grumman Systems Corporation  
Application for Special Temporary Authority

Northrop Grumman Systems Corporation (NGSC) submits this application for Special Temporary Authority (STA) for the purpose of conducting experiments with airborne-to-airborne data links in the 2.4 GHz band. Two aircraft will fly within a 30-NMI (55.6 km) radius, centered on the geographic coordinates in the application at a maximum altitude of 20,000 feet MSL. The antennas on both aircraft will be omni-directional blade antennas oriented for vertical polarization. The antennas are manufactured by Haigh-FARR, part no. 6130-2, with 0 dBi gain.