

## Northrop Grumman Systems Corporation Application for STA

In the attached application, Northrop Grumman Systems Corporation (NGSC) requests modification to the Special Temporary Authority (STA) granted under File No. 0235-EX-ST-2017, WK9XYI, to permit additional testing.

In addition to the authority already granted, NGSC requests authorization to conduct flight tests in the off-shore warning area W108, bounded by 38-00-00 N, 75-10-00 W; 38-25-00 N, 75-00-00 W; 38-45-00 N, 74-30-00 W; and 38-00-00 N, 74-30-00 W. Maximum altitude will be 28,000 feet MSL. Power, gain, and equipment is the same as that authorized by WK9XYI, referenced above.

For the purpose of these additional flight tests, the request is for a single channel of 15 KHz bandwidth in the Victor radio frequency range, anywhere between 138 MHz and 144 MHz. Only one 15 kHz channel in the band is required. (The other frequencies already authorized by STA WK9XYI will continue to be used for testing.)

The antenna is an Active Electronically Scanned Antenna (AESA), which is inherently directional. However, it will be mounted on an aircraft and can be used in almost any direction as dictated by aircraft position and target location. The azimuth is not pre-determined and can be limited to prevent interference potential as needed by only using it with the aircraft flying along a specified direction.

The requested period for the STA additional authority is from August 15 through October 1, 2017. (October 1, 2017, is the end of the current STA period.)

For additional information, contact is Kevin Nekula at Northrop Grumman, 410-765-6567 or [kevin.nekula@ngc.com](mailto:kevin.nekula@ngc.com).