

Northrop Grumman Systems Corporation
Experimental STA Request
File No. 1280-EX-ST-2026

EXH. 1 - REQUEST FOR EXPERIMENTAL STA

Northrop Grumman Systems Corporation ("NGSC") hereby requests experimental Special Temporary Authority ("STA") for a five-month period beginning August 10, 2026 to enable testing of a point-to-point communications link between a base station and an airborne projectile to provide a high-speed telemetry link to the projectile for developmental testing purposes. The experimental testing will ensure product functionality and alignment with the specified requirements, thus guaranteeing a high-quality outcome.

Technical Parameters:

Output Power at transmitter connector expressed in watts:

5W Output Power

ERP = 8.414kW

Emission Designator: 55M00Q7D

Modulating signal: D-BPSK

The proposed testing will utilize a ground-based stationary system and airborne projectile that proposes to operate within the specified radius on the frequency range of 10.7-11.7 GHz at the following locations:

-Elk River, MN (2.5km)	45° 24' 30" N 093° 27' 39" W
-Fort McCoy, WI (2.5km)	44° 02' 23" N 090° 43' 04" W
-Dahlgren, VA (10km)	38° 19' 37" N 077° 01' 34" W
-Dugway, UT (10km)	40° 13' 45" N 112° 43' 40" W

NGSC acknowledges that all experimental operations conducted in the requested bands will be on a non-interference basis. Although no harmful interference is expected, NGSC is providing the following stop buzzer contacts in the event any interference was to occur:

Stop buzzer contacts

Primary: Nick Buchal, T: 612-297-9446, E: Nick.buchal@ngc.com

Secondary: Fred Sauer, T: 763-203-3110, E: Fred.sauer@ngc.com