

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WK9XKF

(Call Sign)

XC FX MO

(Class of Station)

1406-EX-ST-2016

(File Number)

NAME Northrop Grumman Systems Corporation

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

The purpose of the spectrum use is to test and demonstrate communication between a transceiver at a ground station and one housed inside of a bullet in flight.

Station Locations

- (1) Elk River (ANOKA), MN - NL 45-24-38; WL 93-28-40; MOBILE: , within 1 km, centered around NL 45-24-38; WL 93-28-40

Frequency Information

Elk River (ANOKA), MN - NL 45-24-38; WL 93-28-40; MOBILE: , within 1 km, centered around NL 45-24-38; WL 93-28-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-16.4 GHz	MO	50M0Q1D	0.25 W (ERP)	
16.2-16.4 GHz	FX	50M0Q1D	24.3 kW (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

This authorization effective October 12, 2016 and
will expire 3:00 A.M. EST April 12, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**

