

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

EXPERIMENTAL

(Nature of Service)

WR9XVY

(Call Sign)

XT MO

(Class of Station)

0480-EX-ST-2021

(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 operation is to evaluate telemetry from the air to a ground level communications node at low power. The evaluation is of an experimental transmitter coupled with

Station Locations

- (1) MOBILE: Airborne max altitude 20,000 feet AMSL White Sands, NM, within 75 km, centered around NL 33-28-48; WL 106-35-45

Frequency Information

MOBILE: Airborne max altitude 20,000 feet AMSL White Sands, NM, within 75 km, centered around NL 33-28-48; WL 106-35-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2235 MHz	MO	10M0F1D	2 W (ERP)	
2240 MHz	MO	10M0F1D	2 W (ERP)	
2245 MHz	MO	10M0F1D	2 W (ERP)	

This authorization effective April 28, 2021 and
will expire 3:00 A.M. EST July 03, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Airborne max altitude 20,000 feet AMSL White Sands, NM, within 75 km, centered around NL 33-28-48; WL 106-35-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2250 MHz	MO	10M0F1D	2 W (ERP)	
2255 MHz	MO	10M0F1D	2 W (ERP)	
2260 MHz	MO	10M0F1D	2 W (ERP)	

Special Conditions:

- (1) Northrop Grumman may not operate the 2265 MHz and 2270 MHz channels due to HIA to federal earth stations.
- (2) Northrop Grumman operations must be scheduled as a WSMR Range mission, through their WSMR Sponsor. Final authority to radiate is contingent upon successful scheduling, and de-confliction, of both spectrum, and airspace, with other regional operations, by the WSMR Spectrum Manager.
- (3) Northrop Grumman must coordinate with Dan "Mert" Mertely, nrao-rfi@nrao.edu, phone: (575) 835-7128, prior to operations.
- (4) Northrop Grumman must use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (5) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating stations. Northrop Grumman Systems Corporation should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee will be subject to immediate shut down.