

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

EXPERIMENTAL

(Nature of Service)

WJ2XDZ

(Call Sign)

XT MO

(Class of Station)

0428-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 achieve and demonstrate operation performance of an improved radar system over a wide band of frequencies.

Station Locations

- (1) MOBILE: Max altitude 42,000 ft MSL, Salisbury, MD, within 250 km, centered around NL 38-20-43; WL 75-36-22

Frequency Information

MOBILE: Max altitude 42,000 ft MSL, Salisbury, MD, within 250 km, centered around NL 38-20-43; WL 75-36-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8500-9000 MHz	MO		4.435 MW (ERP)	
		24M0Q1N		
		13M0Q3N		
		24M0Q3N		
		350MQ3N		

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 April 08, 2021 and
will expire 3:00 A.M. EST October 09, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) Northrop Grumman Systems Corporation may not operate in the 9.2 – 10 GHz nor the 16.2 – 17.3 GHz band due to interference to ongoing federal operations.
- (4) Northrop Grumman Systems Corporation shall provide notification to the NASA GSFC Spectrum Office at NASA-DL-GSFC-SPECTRUM-MANAGEMENT@MAIL.NASA.GOV, at least 7 days in advance of operations in the 8500-9000 MHz band.
- (5) Coordination with the MIDLANTAFC office is required prior to operations and a STOP BUZZER POC shall be identified (name, cell number). Head, Middle Atlantic Area Frequency Coordination Office (MIDLANTAFC), Naval Air Warfare Center Aircraft Division (NAWCAD), 23013 Cedar Point Road, BLDG 2118, Patuxent River, MD 20670, midlanta_fc_paxriver@navy.mil.
- (6) 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.