

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

EXPERIMENTAL

(Nature of Service)

WR9XWW

(Call Sign)

XT MO

(Class of Station)

0450-EX-ST-2021

(File Number)

NAME Northrop Grumman 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:

Commercial DMR handsets and repeater hardware, and commercial TETRA handsets have been selected for use during this demonstration.

Station Locations

- (1) MOBILE: Eileson Air Force Base Alaska 17000 feet AGL, within 185 km, centered around NL 64-39-56; WL 147-06-05
- (2) MOBILE: Eileson Air Force Base Alaska, within 185 km, centered around NL 64-39-56; WL 147-06-05

Frequency Information

MOBILE: Eileson Air Force Base Alaska 17000 feet AGL, within 185 km, centered around NL 64-39-56; WL 147-06-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
479-493 MHz	MO		5 W (Output Power)	
		16K0F3E		
		8K30F1E		
		8K30F1D		
		8K30F7W		
		11K0F3E		
		110KJ1D		

This authorization effective April 20, 2021 and
will expire 3:00 A.M. EST June 04, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Eileson Air Force Base Alaska 17000 feet AGL, within 185 km, centered around NL 64-39-56; WL 147-06-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
817-855 MHz	MO		5 W (Output Power)	
		16K0F3E		
		8K30F1E		
		8K30F1D		
		8K30F7W		
		11K0F3E		
		110KJ1D		

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		8K30F1E		
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		8K30F7W		
		11K0F3E		
817-855 MHz	MO		5 W (Output Power)	
		16K0F3E		
		8K30F1E		
		8K30F1D		
		8K30F7W		
		11K0F3E		

Special Conditions:

- (1) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at <http://sbe.org/wp-content/uploads/freqcoor.pdf> to find the appropriate coordinator.

Special Conditions:

- (4) Prior to commencing any operations in the frequencies below, Northrop Grumman Corporation must obtain consent from the following within 50 miles of the contours of the testing area:
 - a. SMR/ESMR licensees (809-824 MHz/854-869 MHz)
 - b. B/ILT licensees (809-824 MHz/854-869 MHz)
 - c. Cellular licensees (824-849 MHz/869-894 MHz)
 - d. Commercial Air-Ground licensee (849-851 MHz/894-896 MHz)
- (5) Northrop Grumman Corporation must coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 479-493 MHz band.