

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

EXPERIMENTAL

(Nature of Service)

WR9XFM

(Call Sign)

XT MO

(Class of Station)

1626-EX-ST-2020

(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: BWI air port, Baltimore, MD, within 200 km, centered around NL 39-10-18; WL 76-40-03
- (2) MOBILE: BWI air port, Baltimore, MD, within 200 km, centered around NL 39-10-18; WL 76-40-03
- (3) MOBILE: Georgetown, DE, within 200 km, centered around NL 38-41-24; WL 75-23-08
- (4) MOBILE: Georgetown, DE, within 200 km, centered around NL 38-41-24; WL 75-23-08
- (5) MOBILE: Palmdale, CA, within 200 km, centered around NL 34-36-47; WL 118-07-05
- (6) MOBILE: Palmdale, CA, within 200 km, centered around NL 34-36-47; WL 118-07-05

Frequency Information

MOBILE: BWI air port, Baltimore, MD, within 200 km, centered around NL 39-10-18; WL 76-40-03

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

This authorization effective December 03, 2020 and
will expire 3:00 A.M. EST June 04, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: BWI air port, Baltimore, MD, within 200 km, centered around NL 39-10-18; WL 76-40-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
479-493 MHz	MO	11K0F3E 110KJ1D	5 W (Output Power)	
817-855 MHz	MO	16K0F3E 8K30F1E 8K30F1D 8K30F7W 11K0F3E 110KJ1D	5 W (Output Power)	

MOBILE: BWI air port, Baltimore, MD, within 200 km, centered around NL 39-10-18; WL 76-40-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
479-493 MHz	MO	16K0F3E 8K30F1E 8K30F1D 8K30F7W 11K0F3E	5 W (Output Power)	
817-855 MHz	MO	16K0F3E 8K30F1E 8K30F1D 8K30F7W 11K0F3E	5 W (Output Power)	

Frequency Information

MOBILE: Georgetown, DE, within 200 km, centered around NL 38-41-24; WL 75-23-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
479-493 MHz	MO	16K0F3E 8K30F1E 8K30F1D 8K30F7W 11K0F3E 110KJ1D	5 W (Output Power)	
817-855 MHz	MO	16K0F3E 8K30F1E 8K30F1D 8K30F7W 11K0F3E 110KJ1D	5 W (Output Power)	

MOBILE: Georgetown, DE, within 200 km, centered around NL 38-41-24; WL 75-23-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
479-493 MHz	MO	16K0F3E 8K30F1E 8K30F1D 8K30F7W 11K0F3E	5 W (Output Power)	
817-855 MHz	MO	16K0F3E 8K30F1E 8K30F1D 8K30F7W 11K0F3E	5 W (Output Power)	

Frequency Information

MOBILE: Palmdale, CA, within 200 km, centered around NL 34-36-47; WL 118-07-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
479-493 MHz	MO	16K0F3E 8K30F1E 8K30F1D 8K30F7W 11K0F3E 110KJ1D	5 W (Output Power)	
817-855 MHz	MO	16K0F3E 8K30F1E 8K30F1D 8K30F7W 11K0F3E 110KJ1D	5 W (Output Power)	

MOBILE: Palmdale, CA, within 200 km, centered around NL 34-36-47; WL 118-07-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
479-493 MHz	MO	16K0F3E 8K30F1E 8K30F1D 8K30F7W 11K0F3E	5 W (Output Power)	
817-855 MHz	MO	16K0F3E 8K30F1E 8K30F1D 8K30F7W 11K0F3E	5 W (Output Power)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) 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.
- (3) The applicant shall coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in the frequency range from 479 MHz to 493 MHz.
- (4) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 50 miles of the contours of the testing area:
SMR licensees (809-824 MHz/854-869 MHz)
B/ILT licensees (809-824 MHz/854-869 MHz)
Cellular licensees (824-849 MHz/869-894 MHz)