

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

EXPERIMENTAL

(Nature of Service)

WS9XON

(Call Sign)

XT FX MO

(Class of Station)

1345-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:

This communications system is being developed for our communication solution for the U.S. Army's Future Vertical Lift aircraft. On-board these types of aircraft, the system is required

Station Locations

- (1) San Diego (SAN DIEGO), CA - NL 32-59-29; WL 117-04-40; MOBILE: max altitude 4500 feet AMSL, within 24 km, centered around NL 32-59-29; WL 117-04-40

Frequency Information

San Diego (SAN DIEGO), CA - NL 32-59-29; WL 117-04-40; MOBILE: max altitude 4500 feet AMSL, within 24 km, centered a

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30.975 MHz	FX	25K0F3D	50 W (Output Power)	
30.975 MHz	MO	25K0F3D	50 W (Output Power)	
31 MHz	FX	25K0F3D	50 W (Output Power)	

This authorization effective September 14, 2021 and
will expire 3:00 A.M. EST March 08, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

San Diego (SAN DIEGO), CA - NL 32-59-29; WL 117-04-40; MOBILE: max altitude 4500 feet AMSL, within 24 km, centered a

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
31 MHz	MO	25K0F3D	50 W (Output Power)	
45 MHz	FX	25K0F3D	50 W (Output Power)	
45 MHz	MO	25K0F3D	50 W (Output Power)	
404.5 MHz	FX	7K00A3E 13K2F2A 24K0A1D	25 W (Output Power)	
404.5 MHz	MO	7K00A3E 13K2F2A 24K0A1D	25 W (Output Power)	
405.7 MHz	FX	7K00A3E 13K2F2A 24K0A1D	25 W (Output Power)	
405.7 MHz	MO	7K00A3E 13K2F2A 24K0A1D	25 W (Output Power)	
407.25 MHz	FX	7K00A3E 13K2F2A	25 W (Output Power)	

Frequency Information

San Diego (SAN DIEGO), CA - NL 32-59-29; WL 117-04-40; MOBILE: max altitude 4500 feet AMSL, within 24 km, centered a

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
407.25 MHz	FX	24K0A1D	25 W (Output Power)	
407.25 MHz	MO	7K00A3E 13K2F2A 24K0A1D	25 W (Output Power)	
409.375 MHz	FX	7K00A3E 13K2F2A 24K0A1D	25 W (Output Power)	
409.375 MHz	MO	7K00A3E 13K2F2A 24K0A1D	25 W (Output Power)	

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) Operation in the 35 MHz band is prohibited due to an explicit airborne prohibition in our rules.
- (3) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.