

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WJ2XTX

(Call Sign)

XT FX MO

(Class of Station)

0583-EX-CR-2020

(File Number)

NAME Northrop Grumman Systems Corporation

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(a) of the Commission's Rules

Station Locations

- (1) Melbourne (BREVARD), FL - NL 28-05-40; WL 80-38-47
- (2) Melbourne (BREVARD), FL - NL 28-05-51; WL 80-39-03
- (3) MOBILE: aircraft at max altitude of 42,000 feet MSL, within 186 km, centered around NL 28-05-51; WL 80-39-03

Frequency Information

Melbourne (BREVARD), FL - NL 28-05-40; WL 80-38-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8500-9000 MHz	FX	23M0Q1N 12M5Q3N 124MQ3N 350MQ3N	2.5 MW (ERP)	
9200-10000 MHz	FX	23M0Q1N 12M5Q3N 124MQ3N 350MQ3N	2.5 MW (ERP)	

This authorization effective December 01, 2020 and
will expire 3:00 A.M. EST December 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Melbourne (BREVARD), FL - NL 28-05-40; WL 80-38-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9200-10000 MHz	FX	780MQ3N	2.5 MW (ERP)	

Melbourne (BREVARD), FL - NL 28-05-51; WL 80-39-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8500-9000 MHz	FX	23M0Q1N 12M5Q3N 124MQ3N 350MQ3N	2.5 MW (ERP)	
9200-10000 MHz	FX	23M0Q1N 12M5Q3N 124MQ3N 350MQ3N 780MQ3N	2.5 MW (ERP)	

MOBILE: aircraft at max altitude of 42,000 feet MSL, within 186 km, centered around NL 28-05-51; WL 80-39-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8500-9000 MHz	MO	12M5Q3N 124MQ3N	2.5 MW (ERP)	
9200-10000 MHz	MO	23M0Q1N 12M5Q3N 124MQ3N 350MQ3N	2.5 MW (ERP)	

Frequency Information

MOBILE: aircraft at max altitude of 42,000 feet MSL, within 186 km, centered around NL 28-05-51; WL 80-39-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9200-10000 MHz	MO	780MQ3N	2.5 MW (ERP)	

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) Applicant should be aware that the bands 8500-9000 MHz and 9200-10000 MHz are allocated for use by federal services. Non-federal use is on a case-by-case basis. Applicant should have no expectations of automatic approval in these bands in future submissions.