

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

EXPERIMENTAL

(Nature of Service)

WE2XOZ

(Call Sign)

XT FX MO

(Class of Station)

0111-EX-ML-2010

(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(i) of the Commission's Rules

Station Locations

- (1) Pueblo (PUEBLO), CO - NL 38-17-21; WL 104-29-48; MOBILE: Airborne, at a maximum altitude of 13716 meters, within 185 km
- (2) Centennial Airport (ARAPAHOE), CO - NL 39-34-12; WL 104-50-58; MOBILE: Airborne, at a maximum altitude of 13716 meters, within 185 km
- (3) Melbourne (BREVARD), FL - NL 28-05-54; WL 80-39-02; MOBILE: Airborne, at a maximum altitude of 13716 meters, within 185 km
- (4) McClellan (SACRAMENTO), CA - NL 38-40-04; WL 121-23-38; MOBILE: Airborne, at a maximum altitude of 13716 meters, within 185 km
- (5) St. Augustine, FL - NL 29-57-57; WL 81-20-34; MOBILE: Airborne, at a maximum altitude of 13716 meters, within 185 km
- (6) Yuma (YUMA), AZ - NL 32-39-28; WL 114-36-43; MOBILE: Airborne, at a maximum altitude of 13716 meters, within 185 km

Frequency Information

Pueblo (PUEBLO), CO - NL 38-17-21; WL 104-29-48; MOBILE: Airborne, at a maximum altitude of 13716 meters, within 185

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1760 MHz	MO	5M00F2C	32 W (ERP)	

This authorization effective November 09, 2010 and
will expire 3:00 A.M. EST July 01, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Pueblo (PUEBLO), CO - NL 38-17-21; WL 104-29-48; MOBILE: Airborne, at a maximum altitude of 13716 meters, within 185

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2305 MHz	FX	5M00F2C	796 W (ERP)	

Centennial Airport (ARAPAHOE), CO - NL 39-34-12; WL 104-50-58; MOBILE: Airborne, at a maximum altitude of 13716 meters, within 185

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1760 MHz	MO	5M00F2C	32 W (ERP)	
2305 MHz	FX	5M00F2C	796 W (ERP)	

Melbourne (BREVARD), FL - NL 28-05-54; WL 80-39-02; MOBILE: Airborne, at a maximum altitude of 13716 meters, within 185

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1760 MHz	MO	5M00F2C	32 W (ERP)	
2305 MHz	FX	5M00F2C	796 W (ERP)	

McClellan (SACRAMENTO), CA - NL 38-40-04; WL 121-23-38; MOBILE: Airborne, at a maximum altitude of 13716 meters, within 185

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1760 MHz	MO	5M00F2C	32 W (ERP)	

Frequency Information

McClellan (SACRAMENTO), CA - NL 38-40-04; WL 121-23-38; MOBILE: Airborne, at a maximum altitude of 13716 meters, v

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2305 MHz	FX	5M00F2C	796 W (ERP)	

St. Augustine, FL - NL 29-57-57; WL 81-20-34; MOBILE: Airborne, at a maximum altitude of 13716 meters, within 185 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1760 MHz	MO	5M00F2C	32 W (ERP)	
2305 MHz	FX	5M00F2C	796 W (ERP)	

Yuma (YUMA), AZ - NL 32-39-28; WL 114-36-43; MOBILE: Airborne, at a maximum altitude of 13716 meters, within 185 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1760 MHz	MO	5M00F2C	32 W (ERP)	
2305 MHz	FX	5M00F2C	796 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) Licensee should be aware that stations in the AWS-1 F block and WCS A block may be licensed adjacent channel or co-channel to these frequencies, and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) Stop Buzzer: Mark Cannon, (321) 652-1165.

Special Conditions:

(4) For operations at the Melbourne, FL location:

Subject to coordination prior to activation and, as appropriate, possible scheduling with US Air Force operations when used within interference range of such activity(ies) or station(s).

Subject to coordination with the Gulf Area Frequency Coordinator located at Eglin AFB, Florida, prior to use within the area bounded by 24 N 33 30'N and 83 W 90 W.

Subject to coordination with the Eastern Area Frequency Coordinator located at Patrick AFB, Florida, prior to use within the area bounded by 24 N 31 30'N and 77 W 83 W.

Licensee should be aware that US Navy operations may be licensed on these frequencies, and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.