

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

EXPERIMENTAL

(Nature of Service)

WF2XIY

(Call Sign)

XD FX MO

(Class of Station)

0125-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(d) of the Commission's Rules

Station Locations

- (1) Carson (LOS ANGELES), CA - NL 33-51-37; WL 118-14-21; MOBILE: In and around the building, within 2 km
- (2) Yuma (tethered, max 4000 ft AGL) (YUMA), AZ - NL 33-26-40; WL 114-18-32; MOBILE: , within 50 km
- (3) Fort Dix (BURLINGTON), NJ - NL 40-00-18; WL 74-27-27; MOBILE: , within 32.19 km
- (4) Fort Huachuca (COCHISE), AZ - NL 31-32-32; WL 110-22-24; MOBILE: , within 64.37 km
- (5) Fort Bliss (EL PASO), TX - NL 31-54-04; WL 106-16-41; MOBILE: , within 32.19 km
- (6) Yuma (tethered, max 4000 ft AGL) (YUMA), AZ - NL 32-54-00; WL 113-56-15; MOBILE: , within 50 km

Frequency Information

Carson (LOS ANGELES), CA - NL 33-51-37; WL 118-14-21; MOBILE: In and around the building, within 2 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1922.6 MHz	MO	5M00F8W	2 W (ERP)	
1927.4 MHz	MO	5M00F8W	2 W (ERP)	

This authorization effective October 12, 2010 and
will expire 3:00 A.M. EST April 01, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Carson (LOS ANGELES), CA - NL 33-51-37; WL 118-14-21; MOBILE: In and around the building, within 2 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2112.6 MHz	MO	5M00F8W	2 W (ERP)	
2117.4 MHz	MO	5M00F8W	2 W (ERP)	

Yuma (tethered, max 4000 ft AGL) (YUMA), AZ - NL 33-26-40; WL 114-18-32; MOBILE: , within 50 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1922.6 MHz	MO	5M00F8W	2 W (ERP)	
1927.4 MHz	MO	5M00F8W	2 W (ERP)	
2112.6 MHz	MO	5M00F8W	255 W (ERP)	
2117.4 MHz	MO	5M00F8W	255 W (ERP)	

Fort Dix (BURLINGTON), NJ - NL 40-00-18; WL 74-27-27; MOBILE: , within 32.19 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1922.6 MHz	MO	5M00F8W	2 W (ERP)	

Frequency Information

Fort Dix (BURLINGTON), NJ - NL 40-00-18; WL 74-27-27; MOBILE: , within 32.19 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1927.4 MHz	MO	5M00F8W	2 W (ERP)	
2112.6 MHz	MO	5M00F8W	255 W (ERP)	
2117.4 MHz	MO	5M00F8W	255 W (ERP)	

Fort Huachuca (COCHISE), AZ - NL 31-32-32; WL 110-22-24; MOBILE: , within 64.37 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1922.6 MHz	MO	5M00F8W	2 W (ERP)	
1927.4 MHz	MO	5M00F8W	2 W (ERP)	
2112.6 MHz	MO	5M00F8W	255 W (ERP)	
2117.4 MHz	MO	5M00F8W	255 W (ERP)	

Frequency Information

Fort Bliss (EL PASO), TX - NL 31-54-04; WL 106-16-41; MOBILE: , within 32.19 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1922.6 MHz	MO	5M00F8W	2 W (ERP)	
1927.4 MHz	MO	5M00F8W	2 W (ERP)	
2112.6 MHz	MO	5M00F8W	255 W (ERP)	
2117.4 MHz	MO	5M00F8W	255 W (ERP)	

Yuma (tethered, max 4000 ft AGL) (YUMA), AZ - NL 32-54-00; WL 113-56-15; MOBILE: , within 50 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1922.6 MHz	MO	5M00F8W	2 W (ERP)	
1927.4 MHz	MO	5M00F8W	2 W (ERP)	
2112.6 MHz	MO	5M00F8W	255 W (ERP)	
2117.4 MHz	MO	5M00F8W	255 W (ERP)	

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.

Special Conditions:

- (2) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Operation in the 1920-1930 MHz band requires coordination with UTAM, Inc. pursuant to Section 15.307 of the Commission's Rules.