

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

EXPERIMENTAL

(Nature of Service)

WD2XWW

(Call Sign)

XR FX

(Class of Station)

0387-EX-CR-2017

(File Number)

NAME Bigelow Aerospace, LLC

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(c) of the Commission's Rules

Station Locations

- (1) North Las Vegas (CLARK), NV - NL 36-12-45; WL 115-10-04
- (2) Fairfax (FAIRFAX), VA - NL 38-51-36; WL 77-18-30
- (3) Naalehu (HAWAII), HI - NL 19-00-49; WL 155-39-48
- (4) North Pole (Fairbanks North Star), AK - NL 64-48-15; WL 147-30-01
- (5) Naalehu (HAWAII), HI - NL 19-00-49; WL 155-39-48
- (6) North Pole (Fairbanks North Star), AK - NL 64-48-15; WL 147-30-01
- (7) Loring AFB (AROOSTOOK), ME - NL 46-57-18; WL 67-54-18

Frequency Information

North Las Vegas (CLARK), NV - NL 36-12-45; WL 115-10-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
145-146 MHz	FX	20K0F1D	1000 W (ERP)	

This authorization effective September 01, 2017 and
will expire 3:00 A.M. EST September 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Fairfax (FAIRFAX), VA - NL 38-51-36; WL 77-18-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
145-146 MHz	FX	20K0F1D	1000 W (ERP)	

Naalehu (HAWAII), HI - NL 19-00-49; WL 155-39-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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North Pole (Fairbanks North Star), AK - NL 64-48-15; WL 147-30-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
145-146 MHz	FX	20K0F1D	1000 W (ERP)	

Naalehu (HAWAII), HI - NL 19-00-49; WL 155-39-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
402.4-403 MHz	FX	35K0F1D	1000 W (ERP)	

Frequency Information

North Pole (Fairbanks North Star), AK - NL 64-48-15; WL 147-30-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
402.4-403 MHz	FX	35K0F1D	1000 W (ERP)	

Loring AFB (AROOSTOOK), ME - NL 46-57-18; WL 67-54-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
145-146 MHz	FX	20K0F1D	1000 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 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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Testing is for proof of concept only. Future system development shall be done in appropriate long term bands.
- (5) This assignment is in support of the small business satellite.