

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

EXPERIMENTAL

(Nature of Service)

WF9XVN

(Call Sign)

XT FX MO

(Class of Station)

0439-EX-CN-2017

(File Number)

NAME Aerospace Corporation, THE

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) El Segundo (LOS ANGELES), CA - NL 33-54-52; WL 118-22-49
- (2) Maui, HI - NL 20-42-29; WL 156-15-26
- (3) Kilauea (KAUAI), HI - NL 22-12-02; WL 159-25-51
- (4) MOBILE: 490 x 778 km elliptical orbit at 66 degree inclination
- (5) College Station (BRAZOS), TX - NL 30-36-41; WL 96-20-52
- (6) Gainesville (ALACHUA), FL - NL 29-38-53; WL 82-20-39

Frequency Information

El Segundo (LOS ANGELES), CA - NL 33-54-52; WL 118-22-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
914.7 MHz	FX	357KF1D 1M09F1D	1535 W (ERP)	0.016 %

This authorization effective October 05, 2017 and
will expire 3:00 A.M. EST December 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Maui, HI - NL 20-42-29; WL 156-15-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
914.7 MHz	FX	357KF1D 1M09F1D	775 W (ERP)	0.016 %

Kilauea (KAUAI), HI - NL 22-12-02; WL 159-25-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
914.7 MHz	FX	357KF1D 1M09F1D	775 W (ERP)	0.016 %

MOBILE: 490 x 778 km elliptical orbit at 66 degree inclination

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
914.7 MHz	MO	357KF1D 1M09F1D	3 W (ERP)	0.016 %

College Station (BRAZOS), TX - NL 30-36-41; WL 96-20-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
914.7-914.7 MHz	FX	1M09F1D 357KF1D	1258 W (ERP)	0.00016 %

Frequency Information

Gainesville (ALACHUA), FL - NL 29-38-53; WL 82-20-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
914.7-914.7 MHz	FX	1M09F1D 357KF1D	1258 W (ERP)	0.00016 %

Special Conditions:

- (1) Aerospace Corp must coordinate with the Western Area Frequency Coordinator (WAFC), Mr. J. Richardson, (760) 939-6948/6832 prior to operating in California and the Area Frequency Coordinator at the White Sands Missile Range prior to operating in New Mexico
- (2) Aerospace Corp. must have White Sands Missile Range sponsor to obtain access to the site, and to operate any equipment at that location.