

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

EXPERIMENTAL

(Nature of Service)

XD      FX MO

(Class of Station)

WG2XVZ

(Call Sign)

0006-EX-CR-2018

(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(j) of the Commission's Rules

Station Locations

- (1) El Segundo (LOS ANGELES), CA - NL 33-54-52; WL 118-22-49
- (2) San Luis Obispo (SAN LUIS OBISPO), CA - NL 35-18-09; WL 120-39-57
- (3) College Station (BRAZOS), TX - NL 30-36-41; WL 96-20-52
- (4) Gainesville (ALACHUA), FL - NL 29-38-53; WL 82-20-39
- (5) MOBILE: 469 x 927 km orbit at 120 degree inclination

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<br>1M09F1D  | 6908 W (ERP)     | 0.016 %                   |

San Luis Obispo (SAN LUIS OBISPO), CA - NL 35-18-09; WL 120-39-57

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 914.7 MHz | FX            | 357KF1D             | 869 W (ERP)      | 0.016 %                   |

This authorization effective December 01, 2017 and  
will expire 3:00 A.M. EST December 01, 2022

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

San Luis Obispo (SAN LUIS OBISPO), CA - NL 35-18-09; WL 120-39-57

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 914.7 MHz | FX            | 1M09F1D             | 869 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 MHz | FX            | 1M09F1D<br>357KF1D  | 869 W (ERP)      | 0.00016 %                 |

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

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 914.7 MHz | FX            | 1M09F1D<br>357KF1D  | 869 W (ERP)      | 0.00016 %                 |

MOBILE: 469 x 927 km orbit at 120 degree inclination

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

**Special Conditions:**

- (1) Following launch of the satellite, the licensee must notify the FCC through electronic submission to the license file, of the status of the satellite (transmissions commenced, etc.), not later than 7 days after commencement or expected commencement of transmissions, and of termination of transmissions, not later than three months after such termination.
- (2) Satellite Mission: Aerocube5