

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

EXPERIMENTAL

(Nature of Service)

XT      FX MO

(Class of Station)

WH2XQT

(Call Sign)

0129-EX-ML-2015

(File Number)

NAME Spire Global, Inc.

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) San Francisco (SAN FRANCISCO), CA - NL 37-46-22; WL 122-24-27
- (2) MOBILE: Range of Orbits (described in Narrative)
- (3) Shady Shores (DENTON), TX - NL 33-09-21; WL 97-01-59
- (4) San Francisco (SAN FRANCISCO), CA - NL 37-46-16; WL 122-24-51
- (5) Boca Raton (PALM BEACH), FL - NL 26-23-17; WL 80-06-31
- (6) Anchorage (Anchorage), AK - NL 61-08-46; WL 149-50-18
- (7) Juneau (Juneau), AK - NL 58-21-51; WL 134-36-23
- (8) Hartford (HARTFORD), CT - NL 41-44-42; WL 72-39-54
- (9) Ellicott (EL PASO), CO - NL 38-52-28; WL 104-24-34
- (10) Naalehu (HAWAII), HI - NL 18-56-24; WL 155-40-54
- (11) Guam, GU - NL 13-24-43; WL 144-43-32
- (12) U.S. Virgin Islands, VI - NL 18-20-22; WL 64-53-30

Frequency Information

San Francisco (SAN FRANCISCO), CA - NL 37-46-22; WL 122-24-27

|             |               |                     |                  |                           |
|-------------|---------------|---------------------|------------------|---------------------------|
| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
| 400-403 MHz | FX            | 5K00F1D             | 82 W (ERP)       | 0.01 %                    |

This authorization effective July 17, 2015 and  
will expire 3:00 A.M. EST June 01, 2017

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Range of Orbits (described in Narrative)

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 400-403 MHz    | MO            | 2K50F1D             | 2 W (ERP)        | 0.01 %                    |
| 2.02-2.025 GHz | MO            | 4M50G1D             | 3.981072 W (ERP) | 0.00025 %                 |
| 2.4-2.48 GHz   | MO            | 4M50G1D             | 3.981072 W (ERP) | 0.00025 %                 |

Shady Shores (DENTON), TX - NL 33-09-21; WL 97-01-59

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 400-403 MHz | FX            | 5K00F1D             | 82 W (ERP)       | 0.01 %                    |

San Francisco (SAN FRANCISCO), CA - NL 37-46-16; WL 122-24-51

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 400-403 MHz | FX            | 5K00F1D             | 82 W (ERP)       | 0.01 %                    |

Boca Raton (PALM BEACH), FL - NL 26-23-17; WL 80-06-31

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 400-403 MHz | FX            | 5K00F1D             | 82 W (ERP)       | 0.01 %                    |

## Frequency Information

Anchorage (Anchorage), AK - NL 61-08-46; WL 149-50-18

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 400-403 MHz | FX            | 5K00F1D             | 82 W (ERP)       | 0.01 %                    |

Juneau (Juneau), AK - NL 58-21-51; WL 134-36-23

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 400-403 MHz | FX            | 5K00F1D             | 82 W (ERP)       | 0.01 %                    |

Hartford (HARTFORD), CT - NL 41-44-42; WL 72-39-54

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 400-403 MHz | FX            | 5K00F1D             | 82 W (ERP)       | 0.01 %                    |

Ellicott (EL PASO), CO - NL 38-52-28; WL 104-24-34

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 400-403 MHz | FX            | 5K00F1D             | 82 W (ERP)       | 0.01 %                    |

## Frequency Information

Naalehu (HAWAII), HI - NL 18-56-24; WL 155-40-54

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 400-403 MHz | FX            | 5K00F1D             | 82 W (ERP)       | 0.01 %                    |

Guam, GU - NL 13-24-43; WL 144-43-32

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 400-403 MHz | FX            | 5K00F1D             | 82 W (ERP)       | 0.01 %                    |

U.S. Virgin Islands, VI - NL 18-20-22; WL 64-53-30

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 400-403 MHz | FX            | 5K00F1D             | 82 W (ERP)       | 0.01 %                    |

## Special Conditions:

- (1) Following launch of the satellites, the licensee must notify the FCC through electronic submission to the license file, of the status of the satellites (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) This license authorizes the second launch of 4 satellites. Subsequent launches of satellites should be filed separately.