

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WI2XMS

(Call Sign)

0540-EX-PL-2016

(File Number)

NAME Iridium Satellite 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(j) of the Commission's Rules

Station Locations

- (1) Leesburg (LOUDOUN), VA - NL 39-05-19; WL 77-30-43
- (2) McLean (FAIRFAX), VA - NL 38-55-26; WL 77-13-22
- (3) Chandler (MARICOPA), AZ - NL 33-16-45; WL 111-53-27

Frequency Information

Leesburg (LOUDOUN), VA - NL 39-05-19; WL 77-30-43

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 1618.725-1626 MHz | FX            | 666KQ7W<br>333KQ7W  | 9 W (ERP)        | 0.0021 %                  |
| 1618.725-1626 MHz | FX            | 666KQ7W             | 40.4 W (ERP)     | 0.0021 %                  |
| 1618.725-1626 MHz | FX            | 333KQ7W             | 20.2 W (ERP)     | 0.0021 %                  |
| 1618.725-1626 MHz | FX            | 83K0Q7W             | 4.8 W (ERP)      | 0.0021 %                  |

This authorization effective September 19, 2016 and  
will expire 3:00 A.M. EST October 01, 2018

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Leesburg (LOUDOUN), VA - NL 39-05-19; WL 77-30-43

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 1618.725-1626 MHz | FX            | 41K7Q7W<br>41K7Q7W  | 4.8 W (ERP)      | 0.0021 %                  |

McLean (FAIRFAX), VA - NL 38-55-26; WL 77-13-22

| Frequency         | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|-------------------------------|------------------|---------------------------|
| 1618.725-1626 MHz | FX            | 666KQ7W<br>333KQ7W            | 9 W (ERP)        | 0.0021 %                  |
| 1618.725-1626 MHz | FX            | 666KQ7W                       | 40.4 W (ERP)     | 0.0021 %                  |
| 1618.725-1626 MHz | FX            | 333KQ7W                       | 20.2 W (ERP)     | 0.0021 %                  |
| 1618.725-1626 MHz | FX            | 83K0Q7W<br>41K7Q7W<br>41K7Q7W | 4.8 W (ERP)      | 0.0021 %                  |

Chandler (MARICOPA), AZ - NL 33-16-45; WL 111-53-27

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 1618.725-1626 MHz | FX            | Q7W                 | 20.2 W (ERP)     | 0.0021 %                  |
| 1618.725-1626 MHz | FX            | 666KQ7W             | 9 W (ERP)        | 0.0021 %                  |

## Frequency Information

Chandler (MARICOPA), AZ - NL 33-16-45; WL 111-53-27

| Frequency         | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|-------------------------------|------------------|---------------------------|
| 1618.725-1626 MHz | FX            | 333KQ7W                       | 9 W (ERP)        | 0.0021 %                  |
| 1618.725-1626 MHz | FX            | 666KQ7W                       | 40.4 W (ERP)     | 0.0021 %                  |
| 1618.725-1626 MHz | FX            | 333KQ7W                       | 20.2 W (ERP)     | 0.0021 %                  |
| 1618.725-1626 MHz | FX            | 83K0Q7W<br>41K7Q7W<br>41K7Q7W | 4.8 W (ERP)      | 0.0021 %                  |

## Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) POINT OF COMMUNICATION: Iridium's Non-Geostationary constellation (call sign S2110).