

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

EXPERIMENTAL

(Nature of Service)

XR      FX MO

(Class of Station)

WJ2XNW

(Call Sign)

0474-EX-CN-2018

(File Number)

NAME University of Central Florida

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(d) of the Commission's Rules

Station Locations

- (1) MOBILE: NONGEOSTATIONARY
- (2) Orlando (ORANGE), FL - NL 28-36-05; WL 81-11-21
- (3) Fayetteville (WASHINGTON), AR - NL 36-04-01; WL 94-10-20

Frequency Information

MOBILE: NONGEOSTATIONARY

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 437.275 MHz | MO            | 20K0F1D             | 2 W (ERP)        |                           |

Orlando (ORANGE), FL - NL 28-36-05; WL 81-11-21

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 437.275 MHz | FX            | 20K0F1D             | 1228 W (ERP)     |                           |

This authorization effective August 21, 2018 and  
will expire 3:00 A.M. EST September 01, 2021

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Fayetteville (WASHINGTON), AR - NL 36-04-01; WL 94-10-20

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 437.275 MHz | FX            | 20K0F1D             | 1622 W (ERP)     |                           |

## Special Conditions:

- (1) Upon receipt of a conjunction warning from the JSpOC or other source, the licensee must review the warning and take all possible steps to assess and, if necessary, to mitigate collision risk, including, but not limited to: contacting the operator of any active spacecraft involved in such warning; sharing ephemeris data and other appropriate operational information with any such operator; modifying spacecraft attitude and/or operations.
- (2) 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.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) POINT OF COMMUNICATION: SURFSAT Satellite