

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

EXPERIMENTAL

(Nature of Service)

XR      FX MO

(Class of Station)

WD2XCV

(Call Sign)

0063-EX-PL-2003

(File Number)

NAME Cal Poly State University

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(a, c) of the Commission's Rules

Station Locations

- (1) MOBILE: Space Station, LEO, Sun-Synchronous, 700km altitude, 98 degree inclination
- (2) San Luis Obispo (SAN LUIS OBISPO), CA - NL 35-16-22; WL 120-39-53

Frequency Information

MOBILE: Space Station, LEO, Sun-Synchronous, 700km altitude, 98 degree inclination

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 436.84-436.85 MHz | MO            | 10K0F3D             | 425 mW (ERP)     |                           |

San Luis Obispo (SAN LUIS OBISPO), CA - NL 35-16-22; WL 120-39-53

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 436.84-436.85 MHz | FX            | 10K0F3D             | 20 W (ERP)       |                           |

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

This authorization effective July 06, 2005 and  
will expire 3:00 A.M. EST July 01, 2007

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (2) Operations must be prior coordinated with AMSAT ([www.amsat.org](http://www.amsat.org)).