

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

EXPERIMENTAL

(Nature of Service)

WD2XHZ

(Call Sign)

XR      FX MO

(Class of Station)

0042-EX-RR-2009

(File Number)

NAME San Francisco State University - Romberg Tiburon Center

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) of the Commission's Rules

Station Locations

- (1) MOBILE: Tiburon (MARIN), CA., within 1 km, centered around NL 37-53-24; WL 122-26-46
- (2) MOBILE: San Francisco (SAN FRANCISCO), CA., within 0.1 km, centered around NL 37-49-52; WL 122-22-39
- (3) San Francisco (SAN FRANCISCO), CA - NL 37-48-33; WL 122-28-11
- (4) Berkeley (ALAMEDA), CA - NL 37-52-07; WL 122-19-08
- (5) MOBILE: Richmond (CONTRA COSTA), CA., within 2 km, centered around NL 37-55-55; WL 122-24-35

Frequency Information

MOBILE: Tiburon (MARIN), CA., within 1 km, centered around NL 37-53-24; WL 122-26-46

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 41.5 MHz  | MO            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |
| 42.5 MHz  | MO            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |

This authorization effective April 01, 2009 and  
will expire 3:00 A.M. EST April 01, 2013

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Tiburon (MARIN), CA., within 1 km, centered around NL 37-53-24; WL 122-26-46

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 43.5 MHz  | MO            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |
| 44.3 MHz  | MO            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |
| 45.5 MHz  | MO            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |

MOBILE: San Francisco (SAN FRANCISCO), CA., within 0.1 km, centered around NL 37-49-52; WL 122-22-39

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 41.5 MHz  | MO            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |
| 42.5 MHz  | MO            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |
| 43.5 MHz  | MO            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |
| 44.3 MHz  | MO            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |
| 45.5 MHz  | MO            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |

## Frequency Information

San Francisco (SAN FRANCISCO), CA - NL 37-48-33; WL 122-28-11

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 24.1 MHz  | FX            | 300KP0N             | 40 W (ERP)       | 0.001 %                   |
| 24.59 MHz | FX            | 300KP0N             | 40 W (ERP)       | 0.001 %                   |
| 41.5 MHz  | FX            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |
| 42.5 MHz  | FX            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |
| 43.5 MHz  | FX            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |
| 44.3 MHz  | FX            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |
| 45.5 MHz  | FX            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |

Berkeley (ALAMEDA), CA - NL 37-52-07; WL 122-19-08

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 41.5 MHz  | FX            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |
| 42.5 MHz  | FX            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |

## Frequency Information

Berkeley (ALAMEDA), CA - NL 37-52-07; WL 122-19-08

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 43.5 MHz  | FX            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |
| 44.3 MHz  | FX            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |
| 45.5 MHz  | FX            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |

MOBILE: Richmond (CONTRA COSTA), CA., within 2 km, centered around NL 37-55-55; WL 122-24-35

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 41.5 MHz  | MO            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |
| 42.5 MHz  | MO            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |
| 43.5 MHz  | MO            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |
| 44.3 MHz  | MO            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |
| 45.5 MHz  | MO            | 500KP0N             | 40 W (ERP)       | 0.001 %                   |

## Special Conditions:

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

**Special Conditions:**

- (2) 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.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) PW: 122 us.
- (5) PRR: 4.1 kHz.