

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

EXPERIMENTAL

(Nature of Service)

XT      FX

(Class of Station)

WK2XZC

(Call Sign)

0009-EX-CM-2021

(File Number)

NAME California Department of Transportation Office of Radio Communications

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(h) of the Commission's Rules

Station Locations

- (1) San Diego (SAN DIEGO), CA - NL 32-52-31; WL 117-11-58
- (2) San Diego (SAN DIEGO), CA - NL 32-53-29; WL 117-12-26
- (3) San Diego (SAN DIEGO), CA - NL 32-53-28; WL 117-12-19
- (4) San Diego (SAN DIEGO), CA - NL 32-53-23; WL 117-12-30
- (5) San Diego (SAN DIEGO), CA - NL 32-42-47; WL 117-08-25
- (6) San Diego (SAN DIEGO), CA - NL 32-43-06; WL 117-06-21
- (7) San Diego (SAN DIEGO), CA - NL 32-42-20; WL 117-05-43
- (8) San Diego (SAN DIEGO), CA - NL 32-41-27; WL 117-05-40
- (9) San Diego (SAN DIEGO), CA - NL 32-40-42; WL 117-05-06
- (10) San Diego (SAN DIEGO), CA - NL 32-36-54; WL 117-02-16
- (11) San Diego (SAN DIEGO), CA - NL 32-45-33; WL 117-11-25
- (12) San Diego (SAN DIEGO), CA - NL 32-45-37; WL 117-11-14

Frequency Information

San Diego (SAN DIEGO), CA - NL 32-52-31; WL 117-11-58

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 5915 MHz  | FX            | 20M0W7W             | 1.21 W (ERP)     |                           |

This authorization effective March 17, 2021 and  
will expire 3:00 A.M. EST May 01, 2022

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

San Diego (SAN DIEGO), CA - NL 32-53-29; WL 117-12-26

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 5915 MHz  | FX            | 20M0W7W             | 1.21 W (ERP)     |                           |

San Diego (SAN DIEGO), CA - NL 32-53-28; WL 117-12-19

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 5915 MHz  | FX            | 20M0W7W             | 1.21 W (ERP)     |                           |

San Diego (SAN DIEGO), CA - NL 32-53-23; WL 117-12-30

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 5915 MHz  | FX            | 20M0W7W             | 1.21 W (ERP)     |                           |

San Diego (SAN DIEGO), CA - NL 32-42-47; WL 117-08-25

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5895-5925 MHz | FX            | 20M0W7W             | 145 mW (ERP)     |                           |

## Frequency Information

San Diego (SAN DIEGO), CA - NL 32-43-06; WL 117-06-21

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5895-5925 MHz | FX            | 20M0W7W             | 200 mW (ERP)     |                           |

San Diego (SAN DIEGO), CA - NL 32-42-20; WL 117-05-43

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5895-5925 MHz | FX            | 20M0W7W             | 200 mW (ERP)     |                           |

San Diego (SAN DIEGO), CA - NL 32-41-27; WL 117-05-40

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5895-5925 MHz | FX            | 20M0W7W             | 200 mW (ERP)     |                           |

San Diego (SAN DIEGO), CA - NL 32-40-42; WL 117-05-06

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5895-5925 MHz | FX            | 20M0W7W             | 200 mW (ERP)     |                           |

## Frequency Information

San Diego (SAN DIEGO), CA - NL 32-36-54; WL 117-02-16

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5895-5925 MHz | FX            | 20M0W7W             | 200 mW (ERP)     |                           |

San Diego (SAN DIEGO), CA - NL 32-45-33; WL 117-11-25

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5895-5925 MHz | FX            | 20M0W7W             | 129 W (ERP)      |                           |

San Diego (SAN DIEGO), CA - NL 32-45-37; WL 117-11-14

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5895-5925 MHz | FX            | 20M0W7W             | 129 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.
- (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) Licensee is required to ensure that trial devices are either rendered inoperable or retrieved by them from trial participants at the conclusion of the trial. Licensee is required to notify trial participants in advance that operation of the trial device is subject to this condition.
- (4) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.