

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WP9XNR

(Call Sign)

2026-EX-ST-2019

(File Number)

NAME TrellisWare Technologies

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

TrellisWare will be testing modifications to our TSM radios to allow them to operate at ~100 mile ranges, using directional antennas and high power amplifiers

Station Locations

- (1) Mt Laguna (SAN DIEGO), CA - NL 32-53-30; WL 116-25-10
- (2) Mt Laguna (SAN DIEGO), CA - NL 32-53-30; WL 116-25-10
- (3) Mt Laguna (SAN DIEGO), CA - NL 32-53-30; WL 116-25-10
- (4) Imperial Gables (IMPERIAL), CA - NL 33-03-06; WL 114-49-42
- (5) Imperial Gables (IMPERIAL), CA - NL 33-03-06; WL 114-49-42
- (6) Imperial Gables (IMPERIAL), CA - NL 33-03-06; WL 114-49-42

Frequency Information

Mt Laguna (SAN DIEGO), CA - NL 32-53-30; WL 116-25-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-432 MHz	FX	1M20G1D 4M00G1D	160 W (ERP)	
438-444 MHz	FX	1M20G1D	160 W (ERP)	

This authorization effective December 18, 2019 and
will expire 3:00 A.M. EST February 15, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Mt Laguna (SAN DIEGO), CA - NL 32-53-30; WL 116-25-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
438-444 MHz	FX	4M00G1D	160 W (ERP)	

Mt Laguna (SAN DIEGO), CA - NL 32-53-30; WL 116-25-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1395-1400 MHz	FX	1M20G1D 4M00G1D	400 W (ERP)	

Mt Laguna (SAN DIEGO), CA - NL 32-53-30; WL 116-25-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	FX	1M20G1D 4M00G1D	200 W (ERP)	
2396-2483 MHz	FX	1M20G1D 4M00G1D	400 W (ERP)	

Imperial Gables (IMPERIAL), CA - NL 33-03-06; WL 114-49-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-432 MHz	FX	1M20G1D 4M00G1D	160 W (ERP)	

Frequency Information

Imperial Gables (IMPERIAL), CA - NL 33-03-06; WL 114-49-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
438-444 MHz	FX	1M20G1D 4M00G1D	160 W (ERP)	

Imperial Gables (IMPERIAL), CA - NL 33-03-06; WL 114-49-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1395-1400 MHz	FX	1M20G1D 4M00G1D	400 W (ERP)	

Imperial Gables (IMPERIAL), CA - NL 33-03-06; WL 114-49-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	FX	1M20G1D 4M00G1D	200 W (ERP)	
2396-2483 MHz	FX	1M20G1D 4M00G1D	200 W (ERP)	

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) The applicant must coordinate with the local Society of Broadcast Engineers frequency coordinator and the Fixed Microwave Service licensees prior to operation in 2450-2483 MHz band.

Special Conditions:

- (4) TrellisWare Technologies must notch out the following frequency(ies):
 - a. (+/- 3 MHz) 425.75 MHz, 428.75 MHz, 431.75 MHz, 440.75 MHz, 443.75 MHz
- (5) TrellisWare Technologies may not operate in the 1400 – 1432 MHz band in order to protect the Radio Astronomy Services IAW Footnote US246
- (6) TrellisWare Technologies shall take all practicable steps to avoid causing interference to the Radio Astronomy Services in the bands 1395 – 1400 MHz.