

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WP9XWT

(Call Sign)

2416-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 (+/-)
1395-1400 MHz	FX	1M20G1D 4M00G1D	400 W (ERP)	

This authorization effective January 15, 2020 and
will expire 3:00 A.M. EST July 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 (+/-)
2396-2483 MHz	FX	1M20G1D 4M00G1D 10M0G1D 20M0G1D	400 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 (+/-)
2396-2483 MHz	FX	1M20G1D 4M00G1D 10M0G1D 20M0G1D	200 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) TrellisWare Technologies shall take all practicable steps to avoid causing interference to the Radio Astronomy Services in the bands 1395 – 1400 MHz.

Special Conditions:

- (4) The applicant must coordinate with the local Society of Broadcast Engineers frequency coordinator and the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d) prior to operation in 2450-2483 MHz band.
- (5) TrellisWare Technologies must not operate in the 420 – 432 MHz, 438 – 444 MHz, or the 1780 – 1850 MHz bands due to interference with ongoing operations at the requested locations.
- (6) TrellisWare Technologies must ensure no emissions extend into the 1400 – 1427 MHz band in order to protect the Radio Astronomy Services.
- (7) TrellisWare Technologies must schedule and de-conflict with the WAFC prior to operations in the WAFC AOR. Jamie Heaton, CIV, DOD Western Area Frequency Coordinator, Comm: 760-939-6832 DSN: 437-6832.