

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WJ2XJL

(Call Sign)

0134-EX-CM-2021

(File Number)

NAME TrellisWare Technologies

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) MOBILE: San Diego, CA, within 45 km, centered around NL 33-00-53; WL 117-05-35

Frequency Information

MOBILE: San Diego, CA, within 45 km, centered around NL 33-00-53; WL 117-05-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1391 MHz	MO	50K0G1D 1M20G1D 4M00G1D 500KG1D	2 W (ERP)	
1670-2309 MHz	MO	50K0G1D 1M20G1D 4M00G1D 10M0G1D 20M0G1D 20M0W7D 40M0G1D 40M0W7D	2 W (ERP)	

This authorization effective September 13, 2021 and
will expire 3:00 A.M. EST May 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: San Diego, CA, within 45 km, centered around NL 33-00-53; WL 117-05-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-2309 MHz	MO	500KG1D	2 W (ERP)	
1780-1850 MHz	MO	50K0G1D 1M20G1D 4M00G1D 10M0G1D 20M0G1D 20M0W7D 40M0G1D 40M0W7D 500KG1D	40 W (ERP)	
1990-2110 MHz	MO	50K0G1D 1M20G1D 4M00G1D 10M0G1D 20M0G1D 20M0W7D 40M0G1D 40M0W7D 500KG1D	40 W (ERP)	
2180-2305 MHz	MO	50K0G1D 1M20G1D 4M00G1D 10M0G1D 20M0G1D 20M0W7D 40M0G1D 40M0W7D	40 W (ERP)	

Frequency Information

MOBILE: San Diego, CA, within 45 km, centered around NL 33-00-53; WL 117-05-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2180-2305 MHz	MO	500KG1D	40 W (ERP)	
2396-2600 MHz	MO	50K0G1D 1M20G1D 4M00G1D 10M0G1D 20M0G1D 20M0W7D 40M0G1D 40M0W7D 500KG1D	2 W (ERP)	
2495-2600 MHz	MO	50K0G1D 1M20G1D 4M00G1D 10M0G1D 20M0G1D 20M0W7D 40M0G1D 40M0W7D 500KG1D	40 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) Operation is NOT PERMITTED using any AFTRCC frequency bands 1435-1525 MHz, 2310-2320 MHz and 2360-2390 MHz.

Special Conditions:

- (3) The applicant must obtain consents of the following within 50 miles of the test area prior to operation:
- 1390-1392 MHz Band Licensees
 - 1392-1395 MHz/1432-1435 MHz Band licensees
 - 1670-1675 MHz Band licensee (Crown Castle International,) and the lessee (Ligado Networks)
 - Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
 - WCS licensees (2305-2320 MHz/2345-2360 MHz)
- (4) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (5) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (6) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (7) The stop buzzer contact for this project is Mr. Smith at (858) 888-5298.
- (8) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing.
- (9) Operation is NOT PERMITTED using the frequency band 1393-1432 MHz and 2483.5-2495 MHz.
- (10) Airborne emissions in the 1390-1400 MHz frequency band are not permitted in accordance with Footnote US79.
- (11) Operation in the 1390-1400 MHz frequency band shall comply with the limits of unwanted emission recommendations specified for mobile stations in Footnote NG338A.
- (12) All operations are on a non-interference basis to authorized federal users, and long term or multiple location use of the requested frequency bands may not be possible. Trellisware Technologies should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee will be subject to immediate shut down.