

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

EXPERIMENTAL  
(Nature of Service)

WJ2XQN  
(Call Sign)

XT FX MO  
(Class of Station)

0638-EX-CN-2018  
(File Number)

NAME Verizon Wireless

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) Euless (TARRANT), TX - NL 32-51-04; WL 97-04-13; MOBILE: Euless, TX, within 1.5 km, centered around NL 32-51-04; WL 97-04-13

Frequency Information

Euless (TARRANT), TX - NL 32-51-04; WL 97-04-13; MOBILE: Euless, TX, within 1.5 km, centered around NL 32-51-04; WL :

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.5 GHz	FX	800MW9W	100 W (ERP)	
27.5-28.5 GHz	FX	800MW9W	630.957 W (ERP)	
27.5-28.35 GHz	FX	400MW7W 800MW7W	47.8 W (ERP)	
27.5-28.35 GHz	MO	400MW7W	47.8 W (ERP)	

This authorization effective September 17, 2018 and will expire 3:00 A.M. EST April 01, 2020

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Euless (TARRANT), TX - NL 32-51-04; WL 97-04-13; MOBILE: Euless, TX, within 1.5 km, centered around NL 32-51-04; WL 97-04-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	MO	800MW7N	47.8 W (ERP)	
27.5-28.5 GHz	MO	100MW7W 200MW7W 400MW7W 800MW7W	2512 mW (ERP)	
27.5-28.5 GHz	MO	800MG7W 800MW7W 800MW7W	19.95 W (ERP)	
27.525-28.325 GHz	FX	800MG7W 800MW7W 800MG7W 800MK1W	630.95 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) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.
- (4) Operation is subject to prior coordination with the Fixed Microwave Service licensees in each proposed area in accordance with 47 CFR, Part 101.103(d).
- (5) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (6) Licensee must avoid pointing the main beam gain transmitting antenna within 10 degrees of any point on the geostationary orbital arc while transmitting signals in the 27.5-28.35 GHz band.
- (7) Licensee shall ensure that the transmitting fixed station antenna(s) tip down when possible and avoid pointing above the horizon to protect satellite stations.

**Special Conditions:**

- (8) No automatic renewal for operations in the 27.5-28.35 GHz band.
- (9) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (10) 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.