

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

EXPERIMENTAL  
(Nature of Service)

WJ2XMN  
(Call Sign)

XD FX MO  
(Class of Station)

0384-EX-CN-2018  
(File Number)

NAME Qualcomm Technologies, Inc

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(j) of the Commission's Rules

Station Locations

- (1) Bridgewater (SOMERSET), NJ - NL 40-35-06; WL 74-37-26; MOBILE: Bridgewater, NJ (within 1km radius), within 1 km, centered around NL 40-35-06; WL 74-37-26
- (2) San Diego (SAN DIEGO), CA - NL 32-53-46; WL 117-11-44; MOBILE: San Diego, CA (within 1km radius), within 1 km, centered around NL 32-53-46; WL 117-11-44

Frequency Information

Bridgewater (SOMERSET), NJ - NL 40-35-06; WL 74-37-26; MOBILE: Bridgewater, NJ (within 1km radius), within 1 km, cente

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	800MW7X	1000 W (ERP)	
27.5-28.35 GHz	MO	800MW7X	4 W (ERP)	

This authorization effective May 29, 2018 and will expire 3:00 A.M. EST June 01, 2020

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

San Diego (SAN DIEGO), CA - NL 32-53-46; WL 117-11-44; MOBILE: San Diego, CA (within 1km radius), within 1 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	MO	800MW7X	4 W (ERP)	
27.5-28.35 GHz	FX	800MW7X	1000 W (ERP)	

## Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) 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.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) Stop Buzzer POC is John Forrester at (858) 845-7428.
- (6) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (7) Licensee must avoid pointing the transmitting antenna main beam gain within 10 degrees of any point on the geostationary orbital arc while transmitting signals in the 27.5-28.35 GHz band.
- (8) The mobile stations antenna main beam elevation angle is at (zero degree) or below the horizon (below zero degrees).
- (9) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.