

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

EXPERIMENTAL

(Nature of Service)

WJ2XDR

(Call Sign)

XD      FX MO

(Class of Station)

0503-EX-CR-2019

(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) San Diego (SAN DIEGO), CA - NL 32-54-09; WL 117-11-44; MOBILE: Within 1 km radius, within 1 km, centered around NL 32-54-09; WL 117-11-44
- (2) Bridgewater (SOMERSET), NJ - NL 40-35-16; WL 74-37-41; MOBILE: Bridgewater, NJ, within 1 km, centered around NL 40-35-16; WL 74-37-41
- (3) Bridgewater, NJ - NL 40-35-16; WL 74-37-41; MOBILE: Bridgewater, NJ, within 1 km, centered around NL 40-35-16; WL 74-37-41
- (4) San Diego, CA - NL 32-54-09; WL 117-11-44; MOBILE: San Diego, CA, within 1 km, centered around NL 32-54-09; WL 117-11-44
- (5) San Diego (SAN DIEGO), CA - NL 32-42-43; WL 117-10-17; MOBILE: Within 6 km radius, within 6 km, centered around NL 32-42-43; WL 117-10-17
- (6) San Diego (SAN DIEGO), CA - NL 32-42-43; WL 117-10-17; MOBILE: within 6 km radius, within 6 km, centered around NL 32-42-43; WL 117-10-17

Frequency Information

San Diego (SAN DIEGO), CA - NL 32-54-09; WL 117-11-44; MOBILE: Within 1 km radius, within 1 km, centered around NL 32-54-09; WL 117-11-44

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 27.5-28.35 GHz | FX            | 800MW9W             | 2.4 W (ERP)      |                           |

This authorization effective November 01, 2019 and  
will expire 3:00 A.M. EST November 01, 2021

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

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|----------------|---------------|---------------------|------------------|---------------------------|
| 27.5-28.35 GHz | MO            | 800MW9W             | 2.4 W (ERP)      |                           |

Bridgewater (SOMERSET), NJ - NL 40-35-16; WL 74-37-41; MOBILE: Bridgewater, NJ, within 1 km, centered around NL 40-35-16; WL 74-37-41

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 37-40 GHz | FX            | 800MW9W             | 2.4 W (ERP)      |                           |
| 37-40 GHz | MO            | 800MW9W             | 2.4 W (ERP)      |                           |

Bridgewater, NJ - NL 40-35-16; WL 74-37-41; MOBILE: Bridgewater, NJ, within 1 km, centered around NL 40-35-16; WL 74-37-41

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 27.5-28.35 GHz | FX            | 800MW9W             | 2.4 W (ERP)      |                           |
| 27.5-28.35 GHz | MO            | 800MW9W             | 2.4 W (ERP)      |                           |

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## Frequency Information

San Diego, CA - NL 32-54-09; WL 117-11-44; MOBILE: San Diego, CA, within 1 km, centered around NL 32-54-09; WL 117-11-44

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 37-40 GHz | MO            | 800MW9W             | 2.4 W (ERP)      |                           |

San Diego (SAN DIEGO), CA - NL 32-42-43; WL 117-10-17; MOBILE: Within 6 km radius, within 6 km, centered around NL 32-42-43; WL 117-10-17

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 27.5-28.35 GHz | FX            | 800MW9W             | 12.1 W (ERP)     |                           |
| 27.5-28.35 GHz | MO            | 800MW9W             | 12.1 W (ERP)     |                           |

San Diego (SAN DIEGO), CA - NL 32-42-43; WL 117-10-17; MOBILE: within 6 km radius, within 6 km, centered around NL 32-42-43; WL 117-10-17

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 37-40 GHz | FX            | 800MW9W             | 12.1 W (ERP)     |                           |
| 37-40 GHz | MO            | 800MW9W             | 12.1 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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) 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.

**Special Conditions:**

- (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.