

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

EXPERIMENTAL

(Nature of Service)

WH2XJN

(Call Sign)

XD FX MO

(Class of Station)

0580-EX-CR-2020

(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 32-53-42; WL 117-11-42; MOBILE: San Diego, CA, within 8 km, centered around NL 32-53-42; WL 117-11-42
- (2) San Francisco (SAN FRANCISCO), CA - NL 37-46-43; WL 122-23-59; MOBILE: San Francisco, CA, within 3.2 km, centered around NL 37-46-43; WL 122-23-59
- (3) Dallas (DALLAS), TX - NL 32-50-07; WL 96-50-19; MOBILE: Dallas, TX, within 8 km, centered around NL 32-50-07; WL 96-50-19
- (4) Atlanta (FULTON), GA - NL 33-48-10; WL 84-23-07; MOBILE: Atlanta, GA, within 8 km, centered around NL 33-48-10; WL 84-23-07
- (5) El Centro (IMPERIAL), CA - NL 32-46-51; WL 115-33-04; MOBILE: El Centro, CA, within 8 km, centered around NL 32-46-51; WL 115-33-04
- (6) Santa Clara (SANTA CLARA), CA - NL 37-26-31; WL 122-08-53; MOBILE: Santa Clara, CA, within 24 km, centered around NL 37-26-31; WL 122-08-53
- (7) Bridgewater (SOMERSET), NJ - NL 40-33-07; WL 74-42-56; MOBILE: Bridgewater, NJ, within 16 km, centered around NL 40-33-07; WL 74-42-56
- (8) Boulder (BOULDER), CO - NL 40-03-58; WL 105-12-35; MOBILE: Boulder, CO, within 16 km, centered around NL 40-03-58; WL 105-12-35
- (9) New York (QUEENS), NY - NL 40-42-44; WL 74-00-22; MOBILE: New York, NY, within 1.6 km, centered around NL 40-42-44; WL 74-00-22
- (10) New York (QUEENS), NY - NL 40-44-38; WL 73-59-17; MOBILE: New York, NY, within 1.6 km, centered around NL 40-44-38; WL 73-59-17

This authorization effective December 01, 2020 and
will expire 3:00 A.M. EST December 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

San Diego (SAN DIEGO), CA - NL 32-53-42; WL 117-11-42; MOBILE: San Diego,CA, within 8 km, centered around NL 32-53-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2310 MHz	MO	10M0W7W	300 mW (ERP)	
2355 MHz	FX	10M0W7W	1.2 W (ERP)	

San Francisco (SAN FRANCISCO), CA - NL 37-46-43; WL 122-23-59; MOBILE: San Francisco, CA, within 3.2 km, centered around NL 37-46-43; WL 122-23-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2310 MHz	MO	10M0W7W	300 mW (ERP)	
2355 MHz	FX	10M0W7W	1.2 W (ERP)	

Dallas (DALLAS), TX - NL 32-50-07; WL 96-50-19; MOBILE: Dallas, TX, within 8 km, centered around NL 32-50-07; WL 96-50-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2310 MHz	MO	10M0W7W	300 mW (ERP)	
2355 MHz	FX	10M0W7W	1.2 W (ERP)	

Frequency Information

Atlanta (FULTON), GA - NL 33-48-10; WL 84-23-07; MOBILE: Atlanta, GA, within 8 km, centered around NL 33-48-10; WL 84

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2310 MHz	MO	10M0W7W	300 mW (ERP)	
2355 MHz	FX	10M0W7W	1.2 W (ERP)	

El Centro (IMPERIAL), CA - NL 32-46-51; WL 115-33-04; MOBILE: El Centro, CA, within 8 km, centered around NL 32-46-51;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2310 MHz	MO	10M0W7W	300 mW (ERP)	
2355 MHz	FX	10M0W7W	1.2 W (ERP)	

Santa Clara (SANTA CLARA), CA - NL 37-26-31; WL 122-08-53; MOBILE: Santa Clara, CA, within 24 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2310 MHz	MO	10M0W7W	300 mW (ERP)	
2355 MHz	FX	10M0W7W	1.2 W (ERP)	

Frequency Information

Bridgewater (SOMERSET), NJ - NL 40-33-07; WL 74-42-56; MOBILE: Bridgewater, NJ, within 16 km, centered around NL 40-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2310 MHz	MO	10M0W7W	300 mW (ERP)	
2355 MHz	FX	10M0W7W	1.2 W (ERP)	

Boulder (BOULDER), CO - NL 40-03-58; WL 105-12-35; MOBILE: Boulder, CO, within 16 km, centered around NL 40-03-58; '

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2310 MHz	MO	10M0W7W	300 mW (ERP)	
2355 MHz	FX	10M0W7W	1.2 W (ERP)	

New York (QUEENS), NY - NL 40-42-44; WL 74-00-22; MOBILE: New York, NY, within 1.6 km, centered around NL 40-42-44;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2310 MHz	MO	10M0W7W	300 mW (ERP)	
2355 MHz	FX	10M0W7W	1.2 W (ERP)	

Frequency Information

New York (QUEENS), NY - NL 40-44-38; WL 73-59-17; MOBILE: New York, NY, within 1.6 km, centered around NL 40-44-38;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2310 MHz	MO	10M0W7W	300 mW (ERP)	
2355 MHz	FX	10M0W7W	1.2 W (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Operation is subject to consent of WCS licensees (2305-2320 MHz and 2345-2360 MHz) within 25 miles of the location of the test.
- (5) All the experimental equipment and devices must be retrieved by Qualcomm Technologies, Inc. from the participants upon completion of the testing.