

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

EXPERIMENTAL

(Nature of Service)

WI2XJV

(Call Sign)

XD FX MO

(Class of Station)

0025-EX-CM-2016

(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) Oklahoma City (OKLAHOMA), OK - NL 35-32-10; WL 97-35-09; MOBILE: Oklahoma City, OK, within 1.6 km, centered around NL 35-32-10; WL 97-35-09
- (2) Oklahoma City (OKLAHOMA), OK - NL 35-28-03; WL 97-30-39; MOBILE: Oklahoma City, OK, within 1.6 km, centered around NL 35-28-03; WL 97-30-39
- (3) Cary (WAKE), NC - NL 35-49-58; WL 78-47-26; MOBILE: Cary, NC, within 1.6 km, centered around NL 35-49-58; WL 78-47-26
- (4) Raleigh (WAKE), NC - NL 35-52-13; WL 78-37-21; MOBILE: Raleigh, NC, within 1.6 km, centered around NL 35-52-13; WL 78-37-21
- (5) Southlake (TARRANT), TX - NL 32-58-19; WL 97-09-24; MOBILE: Southlake, TX, within 3.2 km, centered around NL 32-58-19; WL 97-09-24
- (6) Irving (DALLAS), TX - NL 32-52-37; WL 96-57-12; MOBILE: Irving, TX, within 3.2 km, centered around NL 32-52-37; WL 96-57-12

Frequency Information

Oklahoma City (OKLAHOMA), OK - NL 35-32-10; WL 97-35-09; MOBILE: Oklahoma City, OK, within 1.6 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1755 MHz	MO	10M0F7D	0.3 W (ERP)	

This authorization effective September 21, 2016 and
will expire 3:00 A.M. EST June 01, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Oklahoma City (OKLAHOMA), OK - NL 35-32-10; WL 97-35-09; MOBILE: Oklahoma City, OK, within 1.6 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1850-1910 MHz	MO	10M0F7D	0.3 W (ERP)	
1930-1990 MHz	FX	10M0F7D	12.1 W (ERP)	
2110-2155 MHz	FX	10M0F7D	12.1 W (ERP)	
5150-5250 MHz	FX	20M0F7D 40M0F7D 20M0F7D	2.4 W (ERP)	
5150-5250 MHz	MO	20M0F7D 40M0F7D	0.3 W (ERP)	
5725-5850 MHz	FX	20M0F7D 20M0F7D 40M0F7D	2.4 W (ERP)	
5725-5850 MHz	MO	20M0F7D 40M0F7D	0.3 W (ERP)	

Frequency Information

Oklahoma City (OKLAHOMA), OK - NL 35-28-03; WL 97-30-39; MOBILE: Oklahoma City, OK, within 1.6 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1755 MHz	MO	10M0F7D	0.3 W (ERP)	
1850-1910 MHz	MO	10M0F7D	0.3 W (ERP)	
1930-1990 MHz	FX	10M0F7D	12.1 W (ERP)	
2110-2155 MHz	FX	10M0F7D	12.1 W (ERP)	
5150-5250 MHz	FX	20M0F7D 40M0F7D 20M0F7D	2.4 W (ERP)	
5150-5250 MHz	MO	20M0F7D 40M0F7D	0.3 W (ERP)	
5725-5850 MHz	FX	20M0F7D 20M0F7D 40M0F7D	2.4 W (ERP)	
5725-5850 MHz	MO	20M0F7D 40M0F7D	0.3 W (ERP)	

Frequency Information

Cary (WAKE), NC - NL 35-49-58; WL 78-47-26; MOBILE: Cary, NC, within 1.6 km, centered around NL 35-49-58; WL 78-47-2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1755 MHz	MO	10M0F7D	0.3 W (ERP)	
1850-1910 MHz	MO	10M0F7D	0.3 W (ERP)	
1930-1990 MHz	FX	10M0F7D	12.1 W (ERP)	
2110-2155 MHz	FX	10M0F7D	12.1 W (ERP)	
5150-5250 MHz	FX	20M0F7D 40M0F7D 20M0F7D	2.4 W (ERP)	
5150-5250 MHz	MO	20M0F7D 40M0F7D	0.3 W (ERP)	
5725-5850 MHz	FX	20M0F7D 20M0F7D 40M0F7D	2.4 W (ERP)	
5725-5850 MHz	MO	20M0F7D 40M0F7D	0.3 W (ERP)	

Frequency Information

Raleigh (WAKE), NC - NL 35-52-13; WL 78-37-21; MOBILE: Raleigh, NC, within 1.6 km, centered around NL 35-52-13; WL 78-37-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1755 MHz	MO	10M0F7D	0.3 W (ERP)	
1850-1910 MHz	MO	10M0F7D	0.3 W (ERP)	
1930-1990 MHz	FX	10M0F7D	12.1 W (ERP)	
2110-2155 MHz	FX	10M0F7D	12.1 W (ERP)	
5150-5250 MHz	FX	20M0F7D 40M0F7D 20M0F7D	2.4 W (ERP)	
5150-5250 MHz	MO	20M0F7D 40M0F7D	0.3 W (ERP)	
5725-5850 MHz	FX	20M0F7D 20M0F7D 40M0F7D	2.4 W (ERP)	
5725-5850 MHz	MO	20M0F7D 40M0F7D	0.3 W (ERP)	

Frequency Information

Southlake (TARRANT), TX - NL 32-58-19; WL 97-09-24; MOBILE: Southlake, TX, within 3.2 km, centered around NL 32-58-1

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1755 MHz	MO	10M0F7D	0.3 W (ERP)	
1850-1910 MHz	MO	10M0F7D	0.3 W (ERP)	
1930-1990 MHz	FX	10M0F7D	12.1 W (ERP)	
2110-2155 MHz	FX	10M0F7D	12.1 W (ERP)	
5150-5250 MHz	FX	20M0F7D 40M0F7D 20M0F7D	2.4 W (ERP)	
5150-5250 MHz	MO	20M0F7D 40M0F7D	0.3 W (ERP)	
5725-5850 MHz	FX	20M0F7D 20M0F7D 40M0F7D	2.4 W (ERP)	
5725-5850 MHz	MO	20M0F7D 40M0F7D	0.3 W (ERP)	

Frequency Information

Irving (DALLAS), TX - NL 32-52-37; WL 96-57-12; MOBILE: Irving, TX, within 3.2 km, centered around NL 32-52-37; WL 96-5

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1755 MHz	MO	10M0F7D	0.3 W (ERP)	
1850-1910 MHz	MO	10M0F7D	0.3 W (ERP)	
1930-1990 MHz	FX	10M0F7D	12.1 W (ERP)	
2110-2155 MHz	FX	10M0F7D	12.1 W (ERP)	
5150-5250 MHz	FX	20M0F7D 40M0F7D 20M0F7D	2.4 W (ERP)	
5150-5250 MHz	MO	20M0F7D 40M0F7D	0.3 W (ERP)	
5725-5850 MHz	FX	20M0F7D 20M0F7D 40M0F7D	2.4 W (ERP)	
5725-5850 MHz	MO	20M0F7D 40M0F7D	0.3 W (ERP)	

Special Conditions:

- (1) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.

Special Conditions:

- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Operations in the bands 5150-5250 MHz and 5725-5850 MHz must be in accordance with the FCC CFR 47 Part 15 Subpart E.
- (5) Operation in the 1850-1910 MHz and 1930-1990 MHz subject to consent of all PCS licensees within 50 miles of the test area.
- (6) Stop buzzer point of contact is Mr. John Forrester at (858) 845-7428 or jforrest@qti.qualcomm.com or 5GHz.trial.shutdown@qti.qualcomm.com
- (7) All of the experimental devices will be under control of Qualcomm Technologies, Inc and they will be retrieved by Qualcomm Technologies, Inc from the participants upon completion of the experiment.