

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WK9XQI

(Call Sign)

XD FX MO

(Class of Station)

1602-EX-ST-2016

(File Number)

NAME Cellco Partnership

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Verizon Wireless is working with partner companies to develop equipment that will use multiple technologies, including 802.11 and LTE, in unlicensed 5GHz frequency bands.

Station Locations

- (1) 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
- (2) 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
- (3) 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
- (4) 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
- (5) Folsom (SACRAMENTO), CA - NL 38-39-33; WL 121-10-51; MOBILE: Folsom, CA, within 1.6 km, centered around NL 38-39-33; WL 121-10-51
- (6) Westlake (TARRANT), TX - NL 32-58-49; WL 97-10-04; MOBILE: Westlake, TX, within 3.2 km, centered around NL 32-58-49; WL 97-10-04

This authorization effective November 21, 2016 and
will expire 3:00 A.M. EST April 16, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



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

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)	

Frequency Information

Folsom (SACRAMENTO), CA - NL 38-39-33; WL 121-10-51; MOBILE: Folsom, CA, within 1.6 km, centered around NL 38-39-

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

Westlake (TARRANT), TX - NL 32-58-49; WL 97-10-04; MOBILE: Westlake, TX, within 3.2 km, centered around NL 32-58-49;

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.
- (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) All of the experimental devices will be under control of the licensee and they will be retrieved from the participants upon completion of the experiment.