

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

EXPERIMENTAL  
(Nature of Service)

WL2XQH  
(Call Sign)

XT FX MO  
(Class of Station)

0246-EX-CN-2021  
(File Number)

NAME Cellco Partnership

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) Lake Forest (ORANGE), CA - NL 33-38-53; WL 117-41-09; MOBILE: within 6.41 km of base station, within 6.41 km, centered around NL 33-38-53; WL 117-41-09
- (2) Lake Forest (ORANGE), CA - NL 33-39-37; WL 117-40-13; MOBILE: within 5.37 km of base station, within 5.37 km, centered around NL 33-39-37; WL 117-40-13
- (3) Costa Mesa (ORANGE), CA - NL 33-41-07; WL 117-53-30; MOBILE: within 6.6 km of base station, within 6.6 km, centered around NL 33-41-07; WL 117-53-30
- (4) Newport Beach (ORANGE), CA - NL 33-40-15; WL 117-51-53; MOBILE: within 8.21 km of base station, within 8.21 km, centered around NL 33-40-15; WL 117-51-53
- (5) Newport Beach (ORANGE), CA - NL 33-39-30; WL 117-52-15; MOBILE: within 7.72 km of base station, within 7.72 km, centered around NL 33-39-30; WL 117-52-15
- (6) Jackson (JACKSON), SD - NL 43-51-48; WL 101-53-55; MOBILE: within 30 km of base station, within 30 km, centered around NL 43-51-48; WL 101-53-55
- (7) Baker (SAN BERNARDINO), CA - NL 33-16-17; WL 116-35-44; MOBILE: within 30 km of base station, within 30 km, centered around NL 33-16-17; WL 116-35-44

Frequency Information

Lake Forest (ORANGE), CA - NL 33-38-53; WL 117-41-09; MOBILE: within 6.41 km of base station, within 6.41 km, centered

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	68400 W (ERP)	0.1 %

This authorization effective March 26, 2021 and will expire 3:00 A.M. EST January 01, 2022

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



Frequency Information

Lake Forest (ORANGE), CA - NL 33-38-53; WL 117-41-09; MOBILE: within 6.41 km of base station, within 6.41 km, centered

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	MO	100MG7W	1 W (ERP)	0.1 %

Lake Forest (ORANGE), CA - NL 33-39-37; WL 117-40-13; MOBILE: within 5.37 km of base station, within 5.37 km, centered

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	68400 W (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	1 W (ERP)	0.1 %

Costa Mesa (ORANGE), CA - NL 33-41-07; WL 117-53-30; MOBILE: within 6.6 km of base station, within 6.6 km, centered ar

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	68400 W (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	1 W (ERP)	0.1 %

Newport Beach (ORANGE), CA - NL 33-40-15; WL 117-51-53; MOBILE: within 8.21 km of base station, within 8.21 km, cente

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	68400 W (ERP)	0.1 %

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Newport Beach (ORANGE), CA - NL 33-40-15; WL 117-51-53; MOBILE: within 8.21 km of base station, within 8.21 km, cente

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3700-3800 MHz	MO	100MG7W	1 W (ERP)	0.1 %

Newport Beach (ORANGE), CA - NL 33-39-30; WL 117-52-15; MOBILE: within 7.72 km of base station, within 7.72 km, cente

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	68400 W (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	1 W (ERP)	0.1 %

Jackson (JACKSON), SD - NL 43-51-48; WL 101-53-55; MOBILE: within 30 km of base station, within 30 km, centered aroun

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	68400 W (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	1 W (ERP)	0.1 %

Baker (SAN BERNARDINO), CA - NL 33-16-17; WL 116-35-44; MOBILE: within 30 km of base station, within 30 km, centerec

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	68400 W (ERP)	0.1 %

## Frequency Information

Baker (SAN BERNARDINO), CA - NL 33-16-17; WL 116-35-44; MOBILE: within 30 km of base station, within 30 km, centered

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	MO	100MG7W	1 W (ERP)	0.1 %

## 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) With respect to operations in the 3700-3800 MHz band, Cellco Partnership must avoid causing interference to the existing Fixed Service operators and FSS earth stations in the band. For applicant's reference, a list of registered incumbent FSS earth stations in the band can be found at the following link:  
<https://docs.fcc.gov/public/attachments/DA-20-823A2.xls>
- (3) Cellco Partnership should be aware that the other stations may be authorized on these frequencies and if any harmful interference occurs, the licensee of this authorization will be subject to immediately shut down.
- (4) Cellco Partnership must successfully coordinate with Fixed Microwave Service licensees in each proposed area in accordance with 47 C.F.R, Part 101.103(d) prior to commencing experimental operations.