

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

EXPERIMENTAL

(Nature of Service)

WL2XVK

(Call Sign)

XT FX MO

(Class of Station)

0462-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) Newport Beach (ORANGE), CA - NL 33-39-30; WL 117-52-15; MOBILE:within 15 km, centered around NL 33-39-30; WL 117-52-15
- (2) Costa Mesa (ORANGE), CA - NL 33-41-07; WL 117-53-30; MOBILE:within 15 km, centered around NL 33-41-07; WL 117-53-30
- (3) Newport Beach (ORANGE), CA - NL 33-40-15; WL 117-51-53; MOBILE:within 15 km, centered around NL 33-40-15; WL 117-51-53
- (4) Irvine (ORANGE), CA - NL 33-41-19; WL 117-51-25; MOBILE:within 15 km, centered around NL 33-41-19; WL 117-51-25
- (5) Costa Mesa (ORANGE), CA - NL 33-41-35; WL 117-53-03; MOBILE:within 15 km, centered around NL 33-41-35; WL 117-53-03
- (6) Irvine (ORANGE), CA - NL 33-41-20; WL 117-52-07; MOBILE:within 15 km, centered around NL 33-41-20; WL 117-52-07
- (7) Costa Mesa (ORANGE), CA - NL 33-39-06; WL 117-54-27; MOBILE:within 15 km, centered around NL 33-39-06; WL 117-54-27
- (8) Newport Beach (ORANGE), CA - NL 33-39-44; WL 117-51-50; MOBILE:within 15 km, centered around NL 33-39-44; WL 117-51-50
- (9) Irvine (ORANGE), CA - NL 33-40-07; WL 117-51-09; MOBILE:within 15 km, centered around NL 33-40-07; WL 117-51-09
- (10) Costa Mesa (ORANGE), CA - NL 33-40-39; WL 117-52-47; MOBILE:within 15 km, centered around NL 33-40-39; WL 117-52-47
- (11) Costa Mesa (ORANGE), CA - NL 33-41-33; WL 117-53-33; MOBILE:within 15 km, centered around NL 33-41-33; WL 117-53-33

This authorization effective June 11, 2021 and
will expire 3:00 A.M. EST March 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Newport Beach (ORANGE), CA - NL 33-39-30; WL 117-52-15; MOBILE:within 15 km, centered around NL 33-39-30; WL 117-52-15

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 15 km, centered around NL 33-41-07; WL 117-53-30

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 15 km, centered around NL 33-40-15; WL 117-51-53

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 %

Frequency Information

Irvine (ORANGE), CA - NL 33-41-19; WL 117-51-25; MOBILE:within 15 km, centered around NL 33-41-19; WL 117-51-25

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 33-41-35; WL 117-53-03; MOBILE:within 15 km, centered around NL 33-41-35; WL 117-53-03

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 %

Irvine (ORANGE), CA - NL 33-41-20; WL 117-52-07; MOBILE:within 15 km, centered around NL 33-41-20; WL 117-52-07

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 %

Frequency Information

Costa Mesa (ORANGE), CA - NL 33-39-06; WL 117-54-27; MOBILE:within 15 km, centered around NL 33-39-06; WL 117-54-:

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 33-39-44; WL 117-51-50; MOBILE:within 15 km, centered around NL 33-39-44; WL 117-:

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 %

Irvine (ORANGE), CA - NL 33-40-07; WL 117-51-09; MOBILE:within 15 km, centered around NL 33-40-07; WL 117-51-09

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 %

Frequency Information

Costa Mesa (ORANGE), CA - NL 33-40-39; WL 117-52-47; MOBILE:within 15 km, centered around NL 33-40-39; WL 117-52-

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 33-41-33; WL 117-53-33; MOBILE:within 15 km, centered around NL 33-41-33; WL 117-53-

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 %

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) Licensee must successfully coordinate with Fixed Microwave Service licensees in each corresponding proposed area in accordance with 47 C.F.R, Part 101.103(d) prior to commencing experimental operations.
- (4) With respect to operations in the 3700-3800 MHz band, Cellco Partnership should be made aware that the application 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>

Special Conditions:

- (5) For base or fixed station's frequencies that are separated from the center frequency of the Telemetry, Tracking, and Command (TT&C) earth station by less than 150% of the maximum emission bandwidth in use by the TT&C earth station:
Prior to commencing any operations from any base or fixed station in the 3700-3800 MHz frequency band, experimental licensee must coordinate cochannel frequency usage with all incumbent TT&C earth stations within a 70 km radius. The licensee must ensure that the aggregated power from its operations meets an interference to noise ratio (I/N) of -6 dB to the TT&C earth station receiver.
- (6) To protect incumbent earth stations from blocking, the power flux density (PFD) of any emissions within the 3700-3800 MHz band must not exceed -16 dBW/m²/MHz as measured at the earth station antenna including the TT&C earth station antenna.

Special Conditions:

- (7) Prior to commencing any operations in the 3.7-3.8 GHz frequency band, experimental licensee must notify licensees of earth stations. The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test. Please notify the following licensees:

Call Sign: E201941

Frequency bands: 3.7-4.2 GHz

Licensee: Roberts Communications Network, Inc.

Phone: 705-227-7500 Fax: 705-227-7558

Site Contact: John Van Zandt 702-227-7590

Call Sign: E010114

Frequency bands: 3.7-4.2 GHz

Licensee: R&C Productions, Inc.

ATTN: Mr Billy Chung

Phone: 626-912-3388 Fax: 626-912-5603 E-Mail: billyc@mail.wcetv.com

Call Sign: E874304

Frequency bands: 3.7-4.2 GHz

Licensee: C-NATIVE EXCHANGE I, LLC

ATTN: DON SAMBOL

Phone: 703-345-3549 Fax: 703-345-3503 E-Mail: don.sambol@twcable.com

Call Sign: E160029

Frequency bands: 3.7-4.2 GHz

Licensee: Hope Channel, Inc.

ATTN: Mr Thomas E Wetmore

Phone: 301-680-6325 Fax: 301-680-6329 E-Mail: wetmoret@gc.adventist.org

Site Contact: Marcelo Vallado 805-222-4728

Call Sign: E990289

Frequency bands: 3.7-4.2 GHz

Licensee: Associated Press

ATTN: Oleta J Brown

Phone: 816-654-1000 Fax: 816-654-1035

E-Mail: ojbrown@ap.org

Site Contact: Marcelo Vallado 805-222-4728