

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

EXPERIMENTAL

(Nature of Service)

WL2XVT

(Call Sign)

XT FX MO

(Class of Station)

0495-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) Cupertino (SANTA CLARA), CA - NL 37-19-46; WL 122-01-46; MOBILE: within .1 km of base station, within 0.1 km, centered around NL 37-19-46; WL 122-01-46
- (2) Santa Cruz (SANTA CRUZ), CA - NL 36-58-48; WL 122-00-45; MOBILE: within 15 km of base station, within 15 km, centered around NL 36-58-48; WL 122-00-45
- (3) Cupertino (SANTA CLARA), CA - NL 37-19-45; WL 122-01-52; MOBILE: within .08 km of base station, within 0.08 km, centered around NL 37-19-45; WL 122-01-52
- (4) Santa Cruz (SANTA CRUZ), CA - NL 36-57-50; WL 122-01-12; MOBILE: within 15 km of base station, within 15 km, centered around NL 36-57-50; WL 122-01-12
- (5) Santa Cruz (SANTA CRUZ), CA - NL 36-58-10; WL 122-02-15; MOBILE: within 15 km of base station, within 15 km, centered around NL 36-58-10; WL 122-02-15
- (6) Santa Cruz (SANTA CRUZ), CA - NL 36-58-54; WL 121-59-51; MOBILE: within 15 km of base station, within 15 km, centered around NL 36-58-54; WL 121-59-51

Frequency Information

Cupertino (SANTA CLARA), CA - NL 37-19-46; WL 122-01-46; MOBILE: within .1 km of base station, within 0.1 km, centered

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	2000 W (ERP)	0.1 %

This authorization effective August 12, 2021 and
will expire 3:00 A.M. EST May 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Cupertino (SANTA CLARA), CA - NL 37-19-46; WL 122-01-46; MOBILE: within .1 km of base station, within 0.1 km, centered

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

Santa Cruz (SANTA CRUZ), CA - NL 36-58-48; WL 122-00-45; MOBILE: within 15 km of base station, within 15 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 %
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Cupertino (SANTA CLARA), CA - NL 37-19-45; WL 122-01-52; MOBILE: within .08 km of base station, within 0.08 km, centered

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	2000 W (ERP)	0.1 %

3700-3800 MHz	MO	100MG7W	1 W (ERP)	0.1 %
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Santa Cruz (SANTA CRUZ), CA - NL 36-57-50; WL 122-01-12; MOBILE: within 15 km of base station, within 15 km, centered

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

Frequency Information

Santa Cruz (SANTA CRUZ), CA - NL 36-57-50; WL 122-01-12; MOBILE: within 15 km of base station, within 15 km, centered

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

Santa Cruz (SANTA CRUZ), CA - NL 36-58-10; WL 122-02-15; MOBILE: within 15 km of base station, within 15 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 %

Santa Cruz (SANTA CRUZ), CA - NL 36-58-54; WL 121-59-51; MOBILE: within 15 km of base station, within 15 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 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) 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:

- (4) 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.
- (5) With respect to operations in the 3700-3800 MHz band, Cellco Partnership d/b/a Verizon Wireless 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>
- (6) 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: E060418
Frequency bands: 3.7-4.2 GHz
Licensee: General Dynamics
ATTN: Mr Mike W Mcdaniel
Phone: 650-966-2954 Fax: 650-966-3401 E-Mail: MikeW.Mcdaniel@gd-ais.com
Site Contact: Lee Campbell 650-966-2330
- Call Sign: E970119, E970133, E970137
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
- (7) Licensee must successfully coordinated 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.