

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

EXPERIMENTAL

(Nature of Service)

WS9XPF

(Call Sign)

XT FX MO

(Class of Station)

1309-EX-ST-2021

(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 plans to use this STA to co-develop different mobile devices with OEM partners.

Station Locations

- (1) Los Angeles (LOS ANGELES), CA - NL 33-58-47; WL 118-24-55; MOBILE: within 15 km of base station, within 15 km, centered around NL 33-58-47; WL 118-24-55
- (2) Encinitas (SAN DIEGO), CA - NL 33-01-24; WL 117-16-58; MOBILE: within 15 km of base station, within 15 km, centered around NL 33-01-24; WL 117-16-58
- (3) v (SAN DIEGO), CA - NL 33-09-01; WL 117-13-51; MOBILE: within 15 km of base station, within 15 km, centered around NL 33-09-01; WL 117-13-51

Frequency Information

Los Angeles (LOS ANGELES), CA - NL 33-58-47; WL 118-24-55; MOBILE: within 15 km of base station, within 15 km, center

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 %

This authorization effective September 01, 2021 and
will expire 3:00 A.M. EST March 02, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Encinitas (SAN DIEGO), CA - NL 33-01-24; WL 117-16-58; MOBILE: within 15 km of base station, within 15 km, centered around NL 33-01-24

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 %

Encinitas (SAN DIEGO), CA - NL 33-09-01; WL 117-13-51; MOBILE: within 15 km of base station, within 15 km, centered around NL 33-09-01

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) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.
- (2) Licensee is required to ensure that trial devices are either rendered inoperable or retrieved by them from trial participants at the conclusion of the trial. Licensee is required to notify trial participants in advance that operation of the trial device is subject to this condition.
- (3) 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.
- (4) Cellco Partnership must avoid causing interference to the existing Fixed Service operators and FSS earth stations in the band. 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>
- (5) Licensee must successfully coordinate with Fixed Microwave Service licensees in each corresponding proposed venue in accordance with 47 C.F.R, Part 101.103(d) prior to commencing experimental operations.
- (6) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.

Special Conditions:

- (7) Licensee 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.
- (8) Licensee must successfully coordinate with Fixed Microwave Service licensees in the proposed area in accordance with 47 C.F.R, Part 101.103(d) prior to commencing experimental operations.
- (9) 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.
- (10) 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.

Special Conditions:

- (11) 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:

Los Angeles, LOS ANGELES, CA- NL 33-58-47; WL 118-24-55;

Call Sign: E960522

Frequency bands: 3.7-4.2 GHz

Licensee: Fox Television Stations, LLC

ATTN: Ms. Ann West Bobeck

Phone: 202-824-6503 Fax: 202-824-6510 E-Mail: ann.bobek@fox.com

Call Sign: E970182

Frequency bands: 3.7-4.2 GHz

Licensee: Fox Television Stations, LLC

Phone: 202-895-3088 Fax: 202-895-3222

Site contact: PAUL BEEMAN 310-369-3686

Call Sign: E960612

Frequency bands: 3.7-4.2 GHz

Licensee: Mount Wilson FM Broadcasters Inc

ATTN: Brenda Chapman

Phone: 310-478-5540 Fax: 310-444-8898

Call Sign: E130026

Frequency bands: 3.7-4.2 GHz

Licensee: FilmOn TV

ATTN: Mr Patrick H Bradley

Phone: 949-212-4011 Fax: 949-212-4011 E-Mail: patrick@filmon.com

Site contact: Mike Galgano 509 979-6717

Call Sign: E880416, E990302

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

Call Sign: E990259

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: VAHN BABIGIAN 213-628-4384

Call Sign: E859957

Frequency bands: 3.7-4.2 GHz

Licensee: Dolores Press Inc.

Special ATTN: DEAN HOPKINS
Phone: 818-246-8121

Call Sign: E070153
Frequency bands: 3.7-4.2 GHz
Licensee: Direct Shopping Network
Phone: 818-550-6000 Fax: 818-550-6111 E-Mail: alm@glendalestudios.com
Site contact: ARTHUR GARABEDIAN 818-550-6000

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: E090099
Frequency bands: 3.7-4.2 GHz
Licensee: PASADENA AREA COMMUNITY COLLEGE DISTRICT
ATTN: DR. PAULETTE PERFUMO
Phone: 626-585-7201 Fax: 626-585-7916 E-Mail: fccfiling@mpr.org
Site contact: PABLO GARCIA 213-621-3546

Call Sign: E990120, E2532
Frequency bands: 3.7-4.2 GHz
Licensee: Cinetcomm, LLC
ATTN: Mr Tom D Soumas Jr.
Phone: 818-678-2085 Fax: 818-775-2906 E-Mail: tsoumas@cinetcomm.com
Site contact: B. SCOTT CASSELL 818-678-2020

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: WALTER CHANG 626-453-8800

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
Site contact: Billy Chung 626-912-3388

Call Sign: E010114
Frequency bands: 3.7-4.2 GHz
Licensee: R&C Productions, Inc.

Special ATTN: Mr Billy Chung

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

Site contact: Billy Chung 626-912-3388

Encinitas, SAN DIEGO, CA- NL 33-01-24; WL 117-16-58;

v, SAN DIEGO, CA- NL 33-09-01; WL 117-13-51;

Call Sign: E140007

Frequency bands: 3.7-4.2 GHz

Licensee: KVH Industries, Inc.

ATTN: Ms Felise Feingold

Phone: 401-845-8148 Fax: 401-845-8116 E-Mail: ffeingold@kvh.com

Site contact: Marc Edwards 401835 8488