

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

EXPERIMENTAL

(Nature of Service)

WS9XPH

(Call Sign)

XT FX MO

(Class of Station)

1340-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) Somerville (SOMERSET), NJ - NL 40-34-04; WL 74-36-32; MOBILE: within 3.2 km of base station, within 3.2 km, centered around NL 40-34-04; WL 74-36-32

Frequency Information

Somerville (SOMERSET), NJ - NL 40-34-04; WL 74-36-32; MOBILE: within 3.2 km of base station, within 3.2 km, centered ar

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	70795 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.

This authorization effective September 13, 2021 and
will expire 3:00 A.M. EST March 14, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (5) 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.
- (6) 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.
- (7) With respect to operations in the 3700-3800 MHz band, experimental licensee 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:

- (8) 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: E860951

Frequency bands: 3.7-4.2 GHz

Licensee: SES Americom, Inc.

ATTN: James R. Barker

Phone: 609-987-4062 Fax: 609-987-4260 E-Mail: jim.barker@ses-americom.com

Call Sign: E873702, E960515

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: E080238

Frequency bands: 3.7-3.702 GHz

Licensee: HISPANIC INFORMATION AND TELECOMMUNICATIONS NETWORK, INC.

ATTN: JOSE L. RODRIQUEZ

Phone: 212-966-5660 Fax: 212-966-5725

Site Contact: EDWARD L. DELAUTER 646-731-3681

Call Sign: E980014

Frequency bands: 3.7-4.2 GHz

Licensee: RCN License Subsidiary, Inc.

ATTN: Mr Todd Roberts

Phone: 702-227-7500 Fax: 702-227-7558

Site Contact: 908-462-3800

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