

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

EXPERIMENTAL

(Nature of Service)

WP9XWR

(Call Sign)

XT FX MO

(Class of Station)

2331-EX-ST-2019

(File Number)

NAME CCO Fiberlink, LLC

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:

The testing will evaluate coverage, capacity, and propagation characteristics in the 3650-3700 MHz band. The proposed operations will advance Charters understanding of technology and

Station Locations

- (1) Los Angeles, CA - NL 34-05-16; WL 118-10-59; MOBILE: Los Angeles, CA, within 12.87 km, centered around NL 34-05-16; WL 118-10-59
- (2) Los Angeles, CA - NL 34-11-43; WL 118-25-35; MOBILE: Los Angeles, CA, within 12.87 km, centered around NL 34-11-43; WL 118-25-35
- (3) Los Angeles, CA - NL 34-00-31; WL 118-22-54; MOBILE: Los Angeles, CA, within 12.87 km, centered around NL 34-00-31; WL 118-22-54
- (4) Los Angeles, CA - NL 33-47-31; WL 117-53-41; MOBILE: Los Angeles, CA, within 12.87 km, centered around NL 33-47-31; WL 117-53-41

Frequency Information

Los Angeles, CA - NL 34-05-16; WL 118-10-59; MOBILE: Los Angeles, CA, within 12.87 km, centered around NL 34-05-16; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D	0.6 W (ERP)	0.00001 %

This authorization effective December 21, 2019 and
will expire 3:00 A.M. EST June 19, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Los Angeles, CA - NL 34-05-16; WL 118-10-59; MOBILE: Los Angeles, CA, within 12.87 km, centered around NL 34-05-16; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D	8.6 W (ERP)	0.00001 %
3650-3700 MHz	FX	20M0W7D	61 W (ERP)	0.00001 %
3650-3700 MHz	FX	20M0W7W	1.2 W (ERP)	0.00002 %
3650-3700 MHz	FX	20M0W7W	4.9 W (ERP)	0.00002 %
3650-3700 MHz	FX	20M0W7W	61 W (ERP)	0.00002 %
3650-3700 MHz	FX	40M0D7D	1.2 W (ERP)	0.0005 %
3650-3700 MHz	FX	40M0D7D	2.4 W (ERP)	0.0005 %
3650-3700 MHz	FX	40M0D7D	12.2 W (ERP)	0.0005 %
3650-3700 MHz	FX	40M0D7D	121.6 W (ERP)	0.0005 %
3650-3700 MHz	FX	20M0W7D	1.2 W (ERP)	0.00001 %

Frequency Information

Los Angeles, CA - NL 34-05-16; WL 118-10-59; MOBILE: Los Angeles, CA, within 12.87 km, centered around NL 34-05-16; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D	9.7 W (ERP)	0.00001 %
3650-3700 MHz	MO	20M0W9W	0.2 W (ERP)	0.0005 %
3650-3700 MHz	MO	20M0W9W	0.2 W (ERP)	0.0005 %
3650-3700 MHz	MO	20M0W9W	0.2 W (ERP)	0.0005 %
3650-3700 MHz	MO	20M0W7D	0.2 W (ERP)	0.00001 %
3650-3700 MHz	MO	20M0W9D	0.2 W (ERP)	0.00001 %
3650-3700 MHz	MO	20M0W7W	0.2 W (ERP)	0.0001 %

Los Angeles, CA - NL 34-11-43; WL 118-25-35; MOBILE: Los Angeles, CA, within 12.87 km, centered around NL 34-11-43; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D	0.6 W (ERP)	0.00001 %
3650-3700 MHz	FX	20M0W7D	8.6 W (ERP)	0.00001 %

Frequency Information

Los Angeles, CA - NL 34-11-43; WL 118-25-35; MOBILE: Los Angeles, CA, within 12.87 km, centered around NL 34-11-43; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D	61 W (ERP)	0.00001 %
3650-3700 MHz	FX	20M0W7W	1.2 W (ERP)	0.00002 %
3650-3700 MHz	FX	20M0W7W	4.9 W (ERP)	0.00002 %
3650-3700 MHz	FX	20M0W7W	61 W (ERP)	0.00002 %
3650-3700 MHz	FX	40M0D7D	1.2 W (ERP)	0.0005 %
3650-3700 MHz	FX	40M0D7D	2.4 W (ERP)	0.0005 %
3650-3700 MHz	FX	40M0D7D	12.2 W (ERP)	0.0005 %
3650-3700 MHz	FX	40M0D7D	121.6 W (ERP)	0.0005 %
3650-3700 MHz	FX	20M0W7D	1.2 W (ERP)	0.00001 %
3650-3700 MHz	FX	20M0W7D	9.7 W (ERP)	0.00001 %

Frequency Information

Los Angeles, CA - NL 34-11-43; WL 118-25-35; MOBILE: Los Angeles, CA, within 12.87 km, centered around NL 34-11-43; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	MO	20M0W9W	0.2 W (ERP)	0.0005 %
3650-3700 MHz	MO	20M0W9W	0.2 W (ERP)	0.0005 %
3650-3700 MHz	MO	20M0W9W	0.2 W (ERP)	0.0005 %
3650-3700 MHz	MO	20M0W7D	0.2 W (ERP)	0.00001 %
3650-3700 MHz	MO	20M0W9D	0.2 W (ERP)	0.00001 %
3650-3700 MHz	MO	20M0W7W	0.2 W (ERP)	0.0001 %

Los Angeles, CA - NL 34-00-31; WL 118-22-54; MOBILE: Los Angeles, CA, within 12.87 km, centered around NL 34-00-31; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D	0.6 W (ERP)	0.00001 %
3650-3700 MHz	FX	20M0W7D	8.6 W (ERP)	0.00001 %
3650-3700 MHz	FX	20M0W7D	61 W (ERP)	0.00001 %

Frequency Information

Los Angeles, CA - NL 34-00-31; WL 118-22-54; MOBILE: Los Angeles, CA, within 12.87 km, centered around NL 34-00-31; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7W	1.2 W (ERP)	0.00002 %
3650-3700 MHz	FX	20M0W7W	4.9 W (ERP)	0.00002 %
3650-3700 MHz	FX	20M0W7W	61 W (ERP)	0.00002 %
3650-3700 MHz	FX	40M0D7D	1.2 W (ERP)	0.0005 %
3650-3700 MHz	FX	40M0D7D	2.4 W (ERP)	0.0005 %
3650-3700 MHz	FX	40M0D7D	12.2 W (ERP)	0.0005 %
3650-3700 MHz	FX	40M0D7D	121.6 W (ERP)	0.0005 %
3650-3700 MHz	FX	20M0W7D	1.2 W (ERP)	0.00001 %
3650-3700 MHz	FX	20M0W7D	9.7 W (ERP)	0.00001 %
3650-3700 MHz	MO	20M0W9W	0.2 W (ERP)	0.0005 %

Frequency Information

Los Angeles, CA - NL 34-00-31; WL 118-22-54; MOBILE: Los Angeles, CA, within 12.87 km, centered around NL 34-00-31; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	MO	20M0W9W	0.2 W (ERP)	0.0005 %
3650-3700 MHz	MO	20M0W9W	0.2 W (ERP)	0.0005 %
3650-3700 MHz	MO	20M0W7D	0.2 W (ERP)	0.00001 %
3650-3700 MHz	MO	20M0W9D	0.2 W (ERP)	0.00001 %
3650-3700 MHz	MO	20M0W7W	0.2 W (ERP)	0.0001 %

Los Angeles, CA - NL 33-47-31; WL 117-53-41; MOBILE: Los Angeles, CA, within 12.87 km, centered around NL 33-47-31; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D	0.6 W (ERP)	0.00001 %
3650-3700 MHz	FX	20M0W7D	8.6 W (ERP)	0.00001 %
3650-3700 MHz	FX	20M0W7D	61 W (ERP)	0.00001 %
3650-3700 MHz	FX	20M0W7W	1.2 W (ERP)	0.00002 %

Frequency Information

Los Angeles, CA - NL 33-47-31; WL 117-53-41; MOBILE: Los Angeles, CA, within 12.87 km, centered around NL 33-47-31; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7W	4.9 W (ERP)	0.00002 %
3650-3700 MHz	FX	20M0W7W	61 W (ERP)	0.00002 %
3650-3700 MHz	FX	40M0D7D	1.2 W (ERP)	0.0005 %
3650-3700 MHz	FX	40M0D7D	2.4 W (ERP)	0.0005 %
3650-3700 MHz	FX	40M0D7D	12.2 W (ERP)	0.0005 %
3650-3700 MHz	FX	40M0D7D	121.6 W (ERP)	0.0005 %
3650-3700 MHz	FX	20M0W7D	1.2 W (ERP)	0.00001 %
3650-3700 MHz	FX	20M0W7D	9.7 W (ERP)	0.00001 %
3650-3700 MHz	MO	20M0W9W	0.2 W (ERP)	0.0005 %
3650-3700 MHz	MO	20M0W9W	0.2 W (ERP)	0.0005 %

Frequency Information

Los Angeles, CA - NL 33-47-31; WL 117-53-41; MOBILE: Los Angeles, CA, within 12.87 km, centered around NL 33-47-31; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	MO	20M0W9W	0.2 W (ERP)	0.0005 %
3650-3700 MHz	MO	20M0W7D	0.2 W (ERP)	0.00001 %
3650-3700 MHz	MO	20M0W9D	0.2 W (ERP)	0.00001 %
3650-3700 MHz	MO	20M0W7W	0.2 W (ERP)	0.0001 %

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) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (4) All of the experimental devices will be under control of CCO Fiberlink, LLC and they will be retrieved by CCO Fiberlink, LLC from the participants upon completion of the experiment.
- (5) CCO Fiberlink, LLC will be responsible for ensuring that the devices are used in authorized locations and in a manner authorized.
- (6) Maintain operation separation from the grandfathered earth stations as defined in Part 90, Sub-part Z, or coordinate an agreement with the grandfathered earth station licensees prior to operation in 3650-3700 MHz band.
- (7) Consult the ULS database to ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz band, and notify the registered users in the proposed geographic areas prior to operation in this band.