

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

EXPERIMENTAL

(Nature of Service)

WP9XGU

(Call Sign)

XT FX MO

(Class of Station)

1664-EX-ST-2019

(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 is working with base station and mobile device equipment vendors to conduct product testing of 3.5 GHz in outdoor locations listed below.

Station Locations

- (1) Baltimore (BALTIMORE), MD - NL 39-16-43; WL 76-37-22; MOBILE: within 0.2 km radius of center point location, within 0.2 km, centered around NL 39-16-43; WL 76-37-22
- (2) Baltimore (BALTIMORE), MD - NL 39-16-42; WL 76-37-19; MOBILE: within 0.2 km radius of center point location, within 0.2 km, centered around NL 39-16-42; WL 76-37-19
- (3) Baltimore (BALTIMORE), MD - NL 39-16-41; WL 76-37-18; MOBILE: within 0.2 km radius of center point location, within 0.2 km, centered around NL 39-16-41; WL 76-37-18
- (4) Baltimore (BALTIMORE), MD - NL 39-16-39; WL 76-37-19; MOBILE: within 0.2 km radius of center point location, within 0.2 km, centered around NL 39-16-39; WL 76-37-19
- (5) Baltimore (BALTIMORE), MD - NL 39-16-38; WL 76-37-21; MOBILE: within 0.2 km radius of center point location, within 0.2 km, centered around NL 39-16-38; WL 76-37-21
- (6) Baltimore (BALTIMORE), MD - NL 39-16-39; WL 76-37-24; MOBILE: within 0.2 km radius of center point location, within 0.2 km, centered around NL 39-16-39; WL 76-37-24
- (7) Baltimore (BALTIMORE), MD - NL 39-16-41; WL 76-37-26; MOBILE: within 0.2 km radius of center point location, within 0.2 km, centered around NL 39-16-41; WL 76-37-26

This authorization effective September 23, 2019 and
will expire 3:00 A.M. EST March 24, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Station Locations

- (8) Baltimore (BALTIMORE), MD - NL 39-16-43; WL 76-37-25; MOBILE: within 0.2 km radius of center point location, within 0.2 km, centered around NL 39-16-43; WL 76-37-25
- (9) Baltimore (BALTIMORE), MD - NL 39-16-44; WL 76-37-22; MOBILE: within 0.2 km radius of center point location, within 0.2 km, centered around NL 39-16-44; WL 76-37-22
- (10) Baltimore (BALTIMORE), MD - NL 39-16-43; WL 76-37-19; MOBILE: within 0.2 km radius of center point location, within 0.2 km, centered around NL 39-16-43; WL 76-37-19
- (11) Baltimore (BALTIMORE), MD - NL 39-16-41; WL 76-37-17; MOBILE: within 0.2 km radius of center point location, within 0.2 km, centered around NL 39-16-41; WL 76-37-17
- (12) Baltimore (BALTIMORE), MD - NL 39-16-38; WL 76-37-18; MOBILE: within 0.2 km radius of center point location, within 0.2 km, centered around NL 39-16-38; WL 76-37-18
- (13) Baltimore (BALTIMORE), MD - NL 39-16-37; WL 76-37-22; MOBILE: within 0.2 km radius of center point location, within 0.2 km, centered around NL 39-16-37; WL 76-37-22
- (14) Baltimore (BALTIMORE), MD - NL 39-16-38; WL 76-37-25; MOBILE: within 0.2 km radius of center point location, within 0.2 km, centered around NL 39-16-38; WL 76-37-25
- (15) Baltimore (BALTIMORE), MD - NL 39-16-41; WL 76-37-27; MOBILE: within 0.2 km radius of center point location, within 0.2 km, centered around NL 39-16-41; WL 76-37-27

Frequency Information

Baltimore (BALTIMORE), MD - NL 39-16-43; WL 76-37-22; MOBILE: within 0.2 km radius of center point location, within 0.2 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	153 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.3 W (ERP)	0.0004 %

Frequency Information

Baltimore (BALTIMORE), MD - NL 39-16-42; WL 76-37-19; MOBILE: within 0.2 km radius of center point location, within 0.2 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	153 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.3 W (ERP)	0.0004 %

Baltimore (BALTIMORE), MD - NL 39-16-41; WL 76-37-18; MOBILE: within 0.2 km radius of center point location, within 0.2 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	153 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.3 W (ERP)	0.0004 %

Baltimore (BALTIMORE), MD - NL 39-16-39; WL 76-37-19; MOBILE: within 0.2 km radius of center point location, within 0.2 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D	153 W (ERP)	0.0004 %

Frequency Information

Baltimore (BALTIMORE), MD - NL 39-16-39; WL 76-37-19; MOBILE: within 0.2 km radius of center point location, within 0.2 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	50M0W7D	153 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.3 W (ERP)	0.0004 %

Baltimore (BALTIMORE), MD - NL 39-16-38; WL 76-37-21; MOBILE: within 0.2 km radius of center point location, within 0.2 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	153 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.3 W (ERP)	0.0004 %

Baltimore (BALTIMORE), MD - NL 39-16-39; WL 76-37-24; MOBILE: within 0.2 km radius of center point location, within 0.2 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	153 W (ERP)	0.0004 %

Frequency Information

Baltimore (BALTIMORE), MD - NL 39-16-39; WL 76-37-24; MOBILE: within 0.2 km radius of center point location, within 0.2 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.3 W (ERP)	0.0004 %

Baltimore (BALTIMORE), MD - NL 39-16-41; WL 76-37-26; MOBILE: within 0.2 km radius of center point location, within 0.2 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	153 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.3 W (ERP)	0.0004 %

Baltimore (BALTIMORE), MD - NL 39-16-43; WL 76-37-25; MOBILE: within 0.2 km radius of center point location, within 0.2 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	153 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D	0.3 W (ERP)	0.0004 %

Frequency Information

Baltimore (BALTIMORE), MD - NL 39-16-43; WL 76-37-25; MOBILE: within 0.2 km radius of center point location, within 0.2 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	MO	50M0W7D	0.3 W (ERP)	0.0004 %

Baltimore (BALTIMORE), MD - NL 39-16-44; WL 76-37-22; MOBILE: within 0.2 km radius of center point location, within 0.2 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	153 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.3 W (ERP)	0.0004 %

Baltimore (BALTIMORE), MD - NL 39-16-43; WL 76-37-19; MOBILE: within 0.2 km radius of center point location, within 0.2 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	153 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.3 W (ERP)	0.0004 %

Frequency Information

Baltimore (BALTIMORE), MD - NL 39-16-41; WL 76-37-17; MOBILE: within 0.2 km radius of center point location, within 0.2 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	153 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.3 W (ERP)	0.0004 %

Baltimore (BALTIMORE), MD - NL 39-16-38; WL 76-37-18; MOBILE: within 0.2 km radius of center point location, within 0.2 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	153 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.3 W (ERP)	0.0004 %

Baltimore (BALTIMORE), MD - NL 39-16-37; WL 76-37-22; MOBILE: within 0.2 km radius of center point location, within 0.2 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D	153 W (ERP)	0.0004 %

Frequency Information

Baltimore (BALTIMORE), MD - NL 39-16-37; WL 76-37-22; MOBILE: within 0.2 km radius of center point location, within 0.2 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	50M0W7D	153 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.3 W (ERP)	0.0004 %

Baltimore (BALTIMORE), MD - NL 39-16-38; WL 76-37-25; MOBILE: within 0.2 km radius of center point location, within 0.2 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	153 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.3 W (ERP)	0.0004 %

Baltimore (BALTIMORE), MD - NL 39-16-41; WL 76-37-27; MOBILE: within 0.2 km radius of center point location, within 0.2 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	153 W (ERP)	0.0004 %

Frequency Information

Baltimore (BALTIMORE), MD - NL 39-16-41; WL 76-37-27; MOBILE: within 0.2 km radius of center point location, within 0.2 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	MO	20M0W7D	0.3 W (ERP)	0.0004 %
		40M0W7D		
		50M0W7D		

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) All of the experimental devices will be under the control of Cellco Partnership and they will be retrieved by Cellco Partnership upon completion of the operation.
- (4) 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.
- (5) 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.