

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

EXPERIMENTAL

(Nature of Service)

WN9XTO

(Call Sign)

XT MO

(Class of Station)

2032-EX-ST-2018

(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:

The purpose of the proposed operations is to conduct an internal market trial of new communications equipment systems

Station Locations

(1) MOBILE: Continental United States

Frequency Information

MOBILE: Continental United States

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2412-2462 MHz	MO	NON	30.49 mW (ERP)	
5150-5350 MHz	MO	NON	10.98 mW (ERP)	
5470-5600 MHz	MO	NON	10.98 mW (ERP)	

This authorization effective December 31, 2018 and
will expire 3:00 A.M. EST July 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Continental United States

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5650-5850 MHz	MO	N0N	10.98 mW (ERP)	
27.5-28.35 GHz	MO	787MG7D 789MW7D 95M3W7D 95M6G7D	122 mW (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 2412-2462 MHz band.
- (4) Coordinate with the affected Fixed Microwave Service licensees prior to operation in 27.5-28.35 GHz, and 2412-2462 MHz bands.
- (5) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (6) The stop buzzer contact for this project is
Sarah Trosch at 202-515-2453
Email: sarah.trosch@verizon.com
- (7) Prior to operation in the 5150-5250 MHz, licensee must notify the potentially-affected earth station operators that are located within a 30 mile radius of the experimental transmitter and obtain their written consent to the proposed operations.
- (8) Licensee must ensure that the transmitting antenna(s) main beam do not point above the horizon in order to protect satellite space stations operating in overlapping frequency bands.
- (9) Cellco Partnership must notch out 5600 – 5650 MHz in order to protect FAA weather radar operations.
- (10) 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.

Special Conditions:

- (11) This authorization is issued for the express purpose of conducting experimental operations described in the related application. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (12) All of the experimental devices will be under control of Cellco Partnership and they will be retrieved by Cellco Partnership from the participants upon completion of the experiment.
- (13) Cellco Partnership will be responsible for ensuring that the devices are used in authorized locations and in a manner authorized.