

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

EXPERIMENTAL

(Nature of Service)

WK9XDC

(Call Sign)

XT      FX MO

(Class of Station)

0085-EX-ST-2017

(File Number)

NAME Federated Wireless, Inc.

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 STA is to test shared spectrum in the 3.5 GHz band and investigate the end-to-end operation of LTE technology in this band.

**Station Locations**

- (1) Denver, CO - NL 39-41-45; WL 104-59-51; MOBILE: Denver, CO, within 25 km, centered around NL 39-41-45; WL 104-59-51

**Frequency Information**

Denver, CO - NL 39-41-45; WL 104-59-51; MOBILE: Denver, CO, within 25 km, centered around NL 39-41-45; WL 104-59-51

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3550-3700 MHz | MO            | 10M0M7W<br>20M0M7W  | 1 W (ERP)        |                           |

**Special Conditions:**

- (1) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.
- (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.

This authorization effective February 01, 2017 and  
will expire 3:00 A.M. EST August 02, 2017

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Federated Wireless, Inc. must maintain separation from the grandfathered earth stations as defined in Part 90, Subpart Z, or coordinate an agreement with the grandfathered earth station licensees prior to operation in 3650-3700 MHz band.
- (5) 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 area.
- (6) Prior to the start of operations in the 3550 -3700 MHz band, Federated Wireless, Inc. must notify by email all the earth stations within 15 km of CBRS small cell transmitters. This notice must include the name and contact information of the stop buzzer personnel in case of interference. The notification should also include the testing parameters and the day and times of each test. Consult MyIBFS database to identify all existing registered earth stations in band (3550-3700 MHz) and adjacent band (3700-4200 MHz)
- (7) Ensure that the transmitting base station antenna(s) tip down when possible and avoid point towards the horizon in order to protect satellite earth stations nearby.
- (8) Federated Wireless, Inc. is reminded that grandfathered earth stations are protected in within a separation distance of 150 km. The coordinates of these stations are available at <http://www.fcc.gov/ib/sd/3650/grandftr.pdf>.