

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

EXPERIMENTAL

(Nature of Service)

XT      FX

(Class of Station)

WM9XFG

(Call Sign)

0023-EX-ST-2018

(File Number)

NAME ZTE USA 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:**

ZTE USA want to test this band with a few partners.

Demonstration of the TDD LTE Massive MIMO technology

**Station Locations**

- (1) Greenwood Village (ARAPAHOE), CO - NL 39-37-12; WL 104-53-45
- (2) Greenwood Village (ARAPAHOE), CO - NL 39-37-12; WL 104-53-45

**Frequency Information**

Greenwood Village (ARAPAHOE), CO - NL 39-37-12; WL 104-53-45

| Frequency     | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|-------------------------------|------------------|---------------------------|
| 3550-3650 MHz | FX            | 60M0W9W<br>40M0W9W<br>20M0W9W | 184 W (ERP)      | 0.0005 %                  |

This authorization effective February 05, 2018 and  
will expire 3:00 A.M. EST August 05, 2018

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Greenwood Village (ARAPAHOE), CO - NL 39-37-12; WL 104-53-45

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3550-3700 MHz | FX            | 40M0W9W             | 242.7 W (ERP)    | 5.0E-6 %                  |
|               |               | 80M0W9W             |                  |                           |
|               |               | 60M0W9W             |                  |                           |
|               |               | 20M0W9W             |                  |                           |

## Special Conditions:

- (1) Licensee is aware that FSS earth stations are licensed above 3700 MHz and if any interference occurs, the experimental licensee of this authorization will be subject to immediate shut down
- (2) Stop buzzer contact is Mr. Mike Zhou at (720) 282-9628, email: mike@zteusa.com
- (3) Licensee shall maintain operation 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 3550-3700 MHz band.
- (4) Licensee shall 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.