

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

EXPERIMENTAL

(Nature of Service)

WK9XPS

(Call Sign)

XT      FX

(Class of Station)

0815-EX-ST-2017

(File Number)

NAME Vivint Wireless

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:**  
Testing LTE equipment.

Station Locations

(1) Phoenix (MARICOPA), AZ - NL 33-21-29; WL 112-04-21

**Frequency Information**

Phoenix (MARICOPA), AZ - NL 33-21-29; WL 112-04-21

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3550-3700 MHz | FX            | 17M9D9W             | 50 W (ERP)       | 0.005 %                   |

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

This authorization effective June 30, 2017 and  
will expire 3:00 A.M. EST December 16, 2017

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Special Conditions:

- (4) Maintain operation separation from the grandfathered earth stations as defined in Part 90, Sub-part Z, or coordinate and agreement with the grandfathered earth station licensees prior to accessing to 3650-3700 MHz.
- (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 areas.
- (6) Prior to operating, Vivint Wireless, Inc., must notify licensees of earth stations operating in adjacent band above 3700- 4200 MHz within 15 kilometers of the locations from which experimental operations will occur. Vivint Wireless, Inc., must also provide such notification to the National Spectrum Managers Association frequency coordinators by email.  
(see [http://wireless.fcc.gov/services/index.htm?job=licensing\\_1&id=microwave](http://wireless.fcc.gov/services/index.htm?job=licensing_1&id=microwave) ).  
The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, eirp density) and day and times of each test. Consult the IBFS database to identify licensed earth station above 3700 - 4200 MHz band.
- (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) Prior to the start of operations in the 3650 -3700 MHz band, Vivint Wireless, Inc. must notify Comsearch by e-mail. This notice must include the name and contact information of the stop buzzer personnel. It must also include the testing parameters, day and times of each testing.  
Contact: Comsearch. Email: customersupport@comsearch.com
- (9) Licensee be aware that FSS earth stations are licensed on these frequencies and if any interference occurs, the experimental licensee of this authorization will be subject to immediate shut down.
- (10) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing.
- (11) Any action taken or expense incurred as a result of operations pursuant to this license is solely at Vivint Wireless's risk.
- (12) Stop buzzer contact is Jason Hruban, Vivint Wireless at (801) 705-8037 and email: jhruban@vivint.com.
- (13) All of the experimental devices will be under the control of Vivint Wireless.