

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WK9XRS

(Call Sign)

0047-EX-ST-2018

(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 33-21-46; WL 112-04-16
- (2) Phoenix (MARICOPA), AZ - NL 33-21-42; WL 112-04-14
- (3) Phoenix (MARICOPA), AZ - NL 33-21-32; WL 112-04-14
- (4) Phoenix (MARICOPA), AZ - NL 33-21-45; WL 112-04-27
- (5) Phoenix (MARICOPA), AZ - NL 33-21-45; WL 112-04-34
- (6) Phoenix (MARICOPA), AZ - NL 33-21-40; WL 112-04-28
- (7) Phoenix (MARICOPA), AZ - NL 33-21-36; WL 112-04-30

Frequency Information

Phoenix (MARICOPA), AZ - NL 33-21-46; WL 112-04-16

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

This authorization effective January 22, 2018 and
will expire 3:00 A.M. EST June 11, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Phoenix (MARICOPA), AZ - NL 33-21-42; WL 112-04-14

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

Phoenix (MARICOPA), AZ - NL 33-21-32; WL 112-04-14

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

Phoenix (MARICOPA), AZ - NL 33-21-45; WL 112-04-27

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

Phoenix (MARICOPA), AZ - NL 33-21-45; WL 112-04-34

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

Frequency Information

Phoenix (MARICOPA), AZ - NL 33-21-40; WL 112-04-28

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

Phoenix (MARICOPA), AZ - NL 33-21-36; WL 112-04-30

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

Special Conditions:

- (1) Marketing of devices (as defined in 47CFR2.803 of this chapter) or provision of services for hire is not permitted.
- (2) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) 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.
- (5) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.
- (6) Licensee is required to ensure that trial devices are either rendered inoperable or retrieved by them from trial participants at the conclusion of the trial. Licensee is required to notify trial participants in advance that operation of the trial device is subject to this condition.
- (7) 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.
- (8) 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.
- (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.

Special Conditions:

- (10) 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).
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.
- (11) 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.
- (12) 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.
- (13) 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.
- (14) Any action taken or expense incurred as a result of operations pursuant to this license is solely at Vivint Wireless's risk.
- (15) All of the experimental devices will be under the control of Vivint Wireless.
- (16) Stop buzzer contact is Jason Hruban, Vivint Wireless at (801) 705-8037 and email: jhruban@vivint.com.
- (17) Licensee must ensure that the operation will not cause harmful interference to any existing registered stations in the 3700-4200 MHz band, and notify the registered users in the proposed areas.
- (18) The applicant can use up to 20% of their total subscriber number of units for the market trial.
- (19) The market trial will not be renewed.
- (20) Non-approved equipment must be labeled.
- (21) Non-approved equipment must be retrieved.