

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WN9XOO

(Call Sign)

1794-EX-ST-2018

(File Number)

NAME T-Mobile License LLC

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 our testing is to understand the propagation characteristics of this band and begin testing with equipment being manufactured for this band.

Station Locations

- (1) Chicago (COOK), IL - NL 41-54-34; WL 87-43-31
- (2) Chicago (COOK), IL - NL 41-57-39; WL 87-41-01
- (3) Los Angeles (LOS ANGELES), CA - NL 34-02-47; WL 118-14-42
- (4) Los Angeles (LOS ANGELES), CA - NL 34-00-13; WL 118-16-36
- (5) Las Vegas (CLARK), NV - NL 36-08-16; WL 115-09-53
- (6) Las Vegas (CLARK), NV - NL 36-08-23; WL 115-07-07
- (7) Las Vegas (CLARK), NV - NL 36-09-09; WL 115-08-22
- (8) Houston (HARRIS), TX - NL 29-47-59; WL 95-25-40

Frequency Information

Chicago (COOK), IL - NL 41-54-34; WL 87-43-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	20M0W7W	100 W (ERP)	0.0001 %

This authorization effective November 01, 2018 and
will expire 3:00 A.M. EST May 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Chicago (COOK), IL - NL 41-57-39; WL 87-41-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	20M0W7W	100 W (ERP)	0.0001 %

Los Angeles (LOS ANGELES), CA - NL 34-02-47; WL 118-14-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7W	100 W (ERP)	0.0001 %

Los Angeles (LOS ANGELES), CA - NL 34-00-13; WL 118-16-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7W	100 W (ERP)	0.0001 %

Las Vegas (CLARK), NV - NL 36-08-16; WL 115-09-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	20M0W7W	100 W (ERP)	0.0001 %

Frequency Information

Las Vegas (CLARK), NV - NL 36-08-23; WL 115-07-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	20M0W7W	100 W (ERP)	0.0001 %

Las Vegas (CLARK), NV - NL 36-09-09; WL 115-08-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	20M0W7W	100 W (ERP)	0.0001 %

Houston (HARRIS), TX - NL 29-47-59; WL 95-25-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7W	100 W (ERP)	0.0001 %

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) The applicant must obtain consents from the Advance Wireless Service licensees in each proposed area prior to accessing to 1755-1760 MHz and 2155-2160 MHz bands.
- (4) The applicant must maintain operation separation from the grandfathered earth stations as defined in Part 90, Sub-part Z, or coordinate an agreement with the grandfathered earth station licensees prior to operation in 3550-3700 MHz and 3650-3700 MHz bands.
- (5) The applicant 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.

Special Conditions:

- (6) Licensee shall be aware that FSS earth stations are licensed above 3650 MHz and if any interference occurs, the experimental licensee of this authorization will be subject to immediate shut down.
- (7) 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.
- (8) Prior to operating, T-Mobile License LLC., must notify licensees of FSS earth stations operating above 3650 MHz within 10 kilometers' radius of the locations from which experimental operations will occur. Furthermore, T-Mobile License LLC, must notify 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, antenna patterns, eirp density) and day and times of each test. Consult the IBFS database to identify licensed earth station in the band 3650-3700 MHz band.
- (9) Any renewal will be subject to review. No automatic renewal for this authorization.
- (10) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.