

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL
(Nature of Service)

WK2XDT
(Call Sign)

XT FX
(Class of Station)

0072-EX-TC-2019
(File Number)

NAME T-Mobile License LLC

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(h) of the Commission's Rules

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 06, 2019 and
will expire 3:00 A.M. EST June 01, 2021

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COMMUNICATIONS
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Frequency Information

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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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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.
- (3) 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.
- (4) 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.
- (5) 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.

Special Conditions:

- (6) 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.
- (7) 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.
- (8) Any renewal will be subject to review. No automatic renewal for this authorization.
- (9) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (10) Stop Buzzer, John Hunter at 202-654-5907.
- (11) Any unapproved devices which have not been authorized as required by the FCC are not being offered for sale or lease, or sold or leased, until authorization is obtained.
- (12) Application granted pursuant to Memorandum Opinion and Order, Declaratory Ruling, and Order of Proposed Modification in Applications of T-Mobile US, Inc., and Sprint Corporation for Consent To Transfer Control of Licenses and Authorizations, WT Docket No. 18-197, FCC 19-103, adopted Oct. 16, 2019, and released November 5, 2019.