

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

EXPERIMENTAL

(Nature of Service)

WK2XQF

(Call Sign)

XT FX MO

(Class of Station)

0061-EX-TC-2020

(File Number)

NAME T-Mobile US, Inc.

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) Irvine, CA - NL 33-41-25; WL 117-50-42; MOBILE: , within 10 km, centered around NL 33-41-25; WL 117-50-42
- (2) Santa Ana, CA - NL 33-42-55; WL 117-52-34; MOBILE: , within 10 km, centered around NL 33-42-55; WL 117-52-34
- (3) Santa Ana, CA - NL 33-42-02; WL 117-51-57; MOBILE: , within 10 km, centered around NL 33-42-02; WL 117-51-57
- (4) Santa Ana, CA - NL 33-42-25; WL 117-51-34; MOBILE: , within 10 km, centered around NL 33-42-25; WL 117-51-34
- (5) Santa Ana, CA - NL 33-42-42; WL 117-52-00; MOBILE: , within 10 km, centered around NL 33-42-42; WL 117-52-00

Frequency Information

Irvine, CA - NL 33-41-25; WL 117-50-42; MOBILE: , within 10 km, centered around NL 33-41-25; WL 117-50-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
617-652 MHz	FX		2781 W (ERP)	0.0001 %
		5M00W7W		
		10M0W7W		
		15M0W7W		
		20M0W7W		
		25M0W7W		

This authorization effective March 31, 2020 and
will expire 3:00 A.M. EST January 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Irvine, CA - NL 33-41-25; WL 117-50-42; MOBILE: , within 10 km, centered around NL 33-41-25; WL 117-50-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
663-698 MHz	MO	5M00W7W 10M0W7W 15M0W7W 20M0W7W 25M0W7W	200 mW (ERP)	0.0001 %

Santa Ana, CA - NL 33-42-55; WL 117-52-34; MOBILE: , within 10 km, centered around NL 33-42-55; WL 117-52-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
617-652 MHz	FX	5M00W7W 10M0W7W 15M0W7W 20M0W7W 25M0W7W	2781 W (ERP)	0.0001 %

663-698 MHz	MO	5M00W7W 10M0W7W 15M0W7W 20M0W7W 25M0W7W	200 mW (ERP)	0.0001 %
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Santa Ana, CA - NL 33-42-02; WL 117-51-57; MOBILE: , within 10 km, centered around NL 33-42-02; WL 117-51-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
617-652 MHz	FX	5M00W7W 10M0W7W 15M0W7W	2781 W (ERP)	0.0001 %

Frequency Information

Santa Ana, CA - NL 33-42-02; WL 117-51-57; MOBILE: , within 10 km, centered around NL 33-42-02; WL 117-51-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
617-652 MHz	FX	20M0W7W 25M0W7W	2781 W (ERP)	0.0001 %
663-698 MHz	MO	5M00W7W 10M0W7W 15M0W7W 20M0W7W 25M0W7W	200 mW (ERP)	0.0001 %

Santa Ana, CA - NL 33-42-25; WL 117-51-34; MOBILE: , within 10 km, centered around NL 33-42-25; WL 117-51-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
617-652 MHz	FX	5M00W7W 10M0W7W 15M0W7W 20M0W7W 25M0W7W	2781 W (ERP)	0.0001 %
663-698 MHz	MO	5M00W7W 10M0W7W 15M0W7W 20M0W7W 25M0W7W	200 mW (ERP)	0.0001 %

Frequency Information

Santa Ana, CA - NL 33-42-42; WL 117-52-00; MOBILE: , within 10 km, centered around NL 33-42-42; WL 117-52-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
617-652 MHz	FX	5M00W7W 10M0W7W 15M0W7W 20M0W7W 25M0W7W	2781 W (ERP)	0.0001 %
663-698 MHz	MO	5M00W7W 10M0W7W 15M0W7W 20M0W7W 25M0W7W	200 mW (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) Operation is subject to prior coordination with the local Society of Broadcast Engineers frequency coordinator in each proposed area to protect the Broadcast Auxiliary Service operations.
- (4) The designated point-of-contact to terminate the systems if interference occurs is Christopher Wieczorek at 202-654-5913.