

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

EXPERIMENTAL

(Nature of Service)

WN9XFH

(Call Sign)

XT FX MO

(Class of Station)

0192-EX-ST-2019

(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:

T-Mobile seeks temporary authority to operate AWS-3 spectrum on UAS devices to assess their ability to communicate with mobile handsets located at ground level within 10 km of the UAS.

Station Locations

- (1) Bellevue (KING), WA - NL 47-37-32; WL 122-09-40
- (2) MOBILE: Flight level 400 FT AGL, Bellevue, WA, within 10 km, centered around NL 47-37-32; WL 122-09-40
- (3) Redmond (KING), WA - NL 47-42-17; WL 122-08-25
- (4) MOBILE: Flight level 400 FT AGL, Redmond, WA, within 10 km, centered around NL 47-42-17; WL 122-08-25

Frequency Information

Bellevue (KING), WA - NL 47-37-32; WL 122-09-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2155-2160 MHz	FX	5M00F9W	5 W (ERP)	0.001 %

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Flight level 400 FT AGL, Bellevue, WA, within 10 km, centered around NL 47-37-32; WL 122-09-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1755-1760 MHz	MO	5M00F9W	200 mW (ERP)	0.001 %

Redmond (KING), WA - NL 47-42-17; WL 122-08-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2155-2160 MHz	FX	5M00F9W	5 W (ERP)	0.001 %

MOBILE: Flight level 400 FT AGL, Redmond, WA, within 10 km, centered around NL 47-42-17; WL 122-08-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1755-1760 MHz	MO	5M00F9W	200 mW (ERP)	0.001 %

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 coordinate with the incumbent Advanced Wireless Service (AWS-3) licensee(s) to avoid interference in the 1755-1780 MHz band and 2155-2180 MHz band in each corresponding proposed venue prior to conducting the testing.