

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

EXPERIMENTAL

(Nature of Service)

WN9XMV

(Call Sign)

XT FX MO

(Class of Station)

1746-EX-ST-2018

(File Number)

NAME AT&T Services, Inc.

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:

Operation of a 28 GHz experimental 5G NR system on a collaborative trial conducted on the campus of the University of Southern California.

Station Locations

- (1) Los Angeles (LOS ANGELES), CA - NL 34-01-31; WL 118-17-07
- (2) MOBILE: Los Angeles, CA, within 0.5 km, centered around NL 34-01-31; WL 118-17-07

Frequency Information

Los Angeles (LOS ANGELES), CA - NL 34-01-31; WL 118-17-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27500-28500 MHz	FX	800MW7W	20 W (ERP)	0.001 %

This authorization effective November 10, 2018 and
will expire 3:00 A.M. EST December 21, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Los Angeles, CA, within 0.5 km, centered around NL 34-01-31; WL 118-17-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27500-28500 MHz	MO	800MW7W	1.3 W (ERP)	0.001 %

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (2) Licensee must avoid pointing the transmitting antenna main beam gain within 10 degrees of any point on the geostationary orbital arc while transmitting signals in the 27.5-28.5 GHz band.
- (3) Licensee shall ensure that the transmitting fixed station antenna(s) main beam gain tip down when possible and avoid pointing above the horizon to protect satellite stations.