

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

EXPERIMENTAL

(Nature of Service)

WP9XIB

(Call Sign)

XT FX MO

(Class of Station)

1770-EX-ST-2019

(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:

5G demonstrations will involve communications between up to 3 fixed (FX) base station antennas (BSes) and up to 20 user equipment (UE) units placed within 100 meters of the BSes.

Station Locations

- (1) Las Vegas, NV - NL 36-06-09; WL 115-10-28
- (2) MOBILE: Within 100 meter radius of base, within 0.1 km, centered around NL 36-06-09;
WL 115-10-28

Frequency Information

Las Vegas, NV - NL 36-06-09; WL 115-10-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
37000-40000 MHz	FX	800MW7W	631 W (ERP)	0.001 %

This authorization effective October 07, 2019 and
will expire 3:00 A.M. EST November 02, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Within 100 meter radius of base, within 0.1 km, centered around NL 36-06-09; WL 115-10-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
37000-40000 MHz	MO	800MW7W	6.3 W (ERP)	0.001 %

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) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users
- (4) 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 37.5-40 GHz frequency band.
- (5) 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.
- (6) No automatic renewal for operations in the 37.5-40 GHz frequency band.
- (7) The applicant shall coordinate with the affected Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 37000-40000 MHz band.