Mr. David Wolter, 9505 Arboretum Blvd., Austin, TX 78759,

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL	WO9XIU
(Nature of Service)	(Call Sign)
XT FX MO	0682-EX-ST-2019
(Class of Station)	(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:
Applicant seeks a one (1) month Special Temporary Authority (STA) to demonstrate at the AT&T SHAPE Conference, the functionality, features, and capabilities of the 5G.

Station Locations

(1) Burbank (LOS ANGELES), CA - NL 34-08-55; WL 118-20-19
(2) MOBILE: Within 100 meter radius of base, within 0.1 km, centered around NL 34-08-55; WL 118-20-19

Frequency Information

Burbank (LOS ANGELES), CA - NL 34-08-55; WL 118-20-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27500-28350 MHz	FX	800MW7W	2.5 W (ERP)	0.001 %

This authorization effective June 01, 2019 and
will expire 3:00 A.M. EST July 02, 2019

FEDERAL COMMUNICATIONS COMMISSION

Frequency Information

MOBILE: Within 100 meter radius of base, within 0.1 km, centered around NL 34-08-55; WL 118-20-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27500-28350 MHz	MO	800MW7W	1.26 W (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) Operations require a prior coordination with the affected Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).

(4) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.

(5) 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 27500-28350 MHz band.

(6) Licensee shall ensure that the transmitting fixed station antenna main beam gain tip down when possible and avoid pointing above the horizon to protect satellite stations.

(7) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission’s Rules.

(8) The authorized station must be in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission’s Rules.

(9) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.

(10) 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.