

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

EXPERIMENTAL

(Nature of Service)

WK9XWP

(Call Sign)

XT FX

(Class of Station)

0106-EX-ST-2017

(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:

The experimental testing will collect Continuous Wave ("CW") data for the purpose of a propagation modeling study in suburban and rural environments. The testing will involve

Station Locations

- (1) McFarland (KERN), CA - NL 35-40-25; WL 119-13-31
- (2) WASCO (KERN), CA - NL 35-35-41; WL 119-23-06
- (3) BAKERSFIELD (KERN), CA - NL 35-27-47; WL 119-11-17
- (4) BAKERSFIELD (KERN), CA - NL 35-23-08; WL 119-06-27
- (5) BAKERSFIELD (KERN), CA - NL 35-21-58; WL 119-06-43
- (6) BAKERSFIELD (KERN), CA - NL 35-22-19; WL 119-01-44
- (7) BAKERSFIELD (KERN), CA - NL 35-22-40; WL 119-01-03
- (8) BAKERSFIELD (KERN), CA - NL 35-22-13; WL 118-58-05
- (9) BAKERSFIELD (KERN), CA - NL 35-20-22; WL 118-58-52
- (10) BAKERSFIELD (KERN), CA - NL 35-17-41; WL 119-03-30
- (11) BAKERSFIELD (KERN), CA - NL 35-18-53; WL 119-02-13
- (12) BAKERSFIELD (KERN), CA - NL 35-13-22; WL 119-00-09
- (13) BAKERSFIELD (KERN), CA - NL 35-06-47; WL 118-54-55
- (14) BUTTONWILLOW (KERN), CA - NL 35-24-10; WL 119-23-55
- (15) PORTERVILLE (TULARE), CA - NL 36-04-15; WL 119-01-02
- (16) FRESNO (FRESNO), CA - NL 36-47-03; WL 119-51-11
- (17) SANGER (FRESNO), CA - NL 36-40-11; WL 119-32-46
- (18) CLOVIS (FRESNO), CA - NL 36-47-31; WL 119-39-01
- (19) FRESNO (FRESNO), CA - NL 36-43-18; WL 119-46-55
- (20) HELM (FRESNO), CA - NL 36-29-18; WL 120-05-51

This authorization effective March 15, 2017 and
will expire 3:00 A.M. EST September 16, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Station Locations

- (21) FRESNO (FRESNO), CA - NL 36-48-29; WL 119-47-12
- (22) FRESNO (FRESNO), CA - NL 36-50-17; WL 119-45-52
- (23) FRESNO (FRESNO), CA - NL 36-44-29; WL 119-58-12
- (24) CLOVIS (FRESNO), CA - NL 36-47-53; WL 119-41-51
- (25) COALINGA (FRESNO), CA - NL 36-19-38; WL 120-13-45
- (26) FRESNO (FRESNO), CA - NL 36-44-38; WL 119-49-14
- (27) MADERA (MADERA), CA - NL 36-50-01; WL 120-03-14
- (28) LEMOORE (KINGS), CA - NL 36-13-56; WL 119-47-19
- (29) LE GRAND (MERCED), CA - NL 37-11-38; WL 120-14-36
- (30) CHOWCHILLA (MADERA), CA - NL 37-04-49; WL 120-12-33
- (31) DOS PALOS (FRESNO), CA - NL 36-59-00; WL 120-36-05
- (32) ATWATER (MERCED), CA - NL 37-21-24; WL 120-37-57
- (33) DOS PALOS (MERCED), CA - NL 37-03-17; WL 120-38-49
- (34) VISALIA (TULARE), CA - NL 36-18-48; WL 119-19-10
- (35) TIPTON (TULARE), CA - NL 36-02-12; WL 119-17-10
- (36) PORTERVILLE (TULARE), CA - NL 36-03-47; WL 119-02-12
- (37) TULARE (TULARE), CA - NL 36-13-33; WL 119-20-04
- (38) PORTERVILLE (TULARE), CA - NL 36-03-15; WL 119-11-45
- (39) HANFORD (KINGS), CA - NL 36-12-38; WL 119-36-33
- (40) MERCED (MERCED), CA - NL 37-19-11; WL 120-28-47

Frequency Information

McFarland (KERN), CA - NL 35-40-25; WL 119-13-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

WASCO (KERN), CA - NL 35-35-41; WL 119-23-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

Frequency Information

BAKERSFIELD (KERN), CA - NL 35-27-47; WL 119-11-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

BAKERSFIELD (KERN), CA - NL 35-23-08; WL 119-06-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

BAKERSFIELD (KERN), CA - NL 35-21-58; WL 119-06-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

BAKERSFIELD (KERN), CA - NL 35-22-19; WL 119-01-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

Frequency Information

BAKERSFIELD (KERN), CA - NL 35-22-40; WL 119-01-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

BAKERSFIELD (KERN), CA - NL 35-22-13; WL 118-58-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

BAKERSFIELD (KERN), CA - NL 35-20-22; WL 118-58-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

BAKERSFIELD (KERN), CA - NL 35-17-41; WL 119-03-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

Frequency Information

BAKERSFIELD (KERN), CA - NL 35-18-53; WL 119-02-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

BAKERSFIELD (KERN), CA - NL 35-13-22; WL 119-00-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

BAKERSFIELD (KERN), CA - NL 35-06-47; WL 118-54-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

BUTTONWILLOW (KERN), CA - NL 35-24-10; WL 119-23-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

Frequency Information

PORTERVILLE (TULARE), CA - NL 36-04-15; WL 119-01-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

FRESNO (FRESNO), CA - NL 36-47-03; WL 119-51-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

SANGER (FRESNO), CA - NL 36-40-11; WL 119-32-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

CLOVIS (FRESNO), CA - NL 36-47-31; WL 119-39-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

Frequency Information

FRESNO (FRESNO), CA - NL 36-43-18; WL 119-46-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

HELM (FRESNO), CA - NL 36-29-18; WL 120-05-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

FRESNO (FRESNO), CA - NL 36-48-29; WL 119-47-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

FRESNO (FRESNO), CA - NL 36-50-17; WL 119-45-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

Frequency Information

FRESNO (FRESNO), CA - NL 36-44-29; WL 119-58-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

CLOVIS (FRESNO), CA - NL 36-47-53; WL 119-41-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

COALINGA (FRESNO), CA - NL 36-19-38; WL 120-13-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

FRESNO (FRESNO), CA - NL 36-44-38; WL 119-49-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

Frequency Information

MADERA (MADERA), CA - NL 36-50-01; WL 120-03-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

LEMOORE (KINGS), CA - NL 36-13-56; WL 119-47-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

LE GRAND (MERCED), CA - NL 37-11-38; WL 120-14-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

CHOWCHILLA (MADERA), CA - NL 37-04-49; WL 120-12-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

Frequency Information

DOS PALOS (FRESNO), CA - NL 36-59-00; WL 120-36-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

ATWATER (MERCED), CA - NL 37-21-24; WL 120-37-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

DOS PALOS (MERCED), CA - NL 37-03-17; WL 120-38-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

VISALIA (TULARE), CA - NL 36-18-48; WL 119-19-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

Frequency Information

TIPTON (TULARE), CA - NL 36-02-12; WL 119-17-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

PORTERVILLE (TULARE), CA - NL 36-03-47; WL 119-02-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

TULARE (TULARE), CA - NL 36-13-33; WL 119-20-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

PORTERVILLE (TULARE), CA - NL 36-03-15; WL 119-11-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

Frequency Information

HANFORD (KINGS), CA - NL 36-12-38; WL 119-36-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

MERCED (MERCED), CA - NL 37-19-11; WL 120-28-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10K0N0N	124 W (ERP)	

Special Conditions:

- (1) Licensee shall maintain separation from the grandfathered earth stations as defined in Part 90, Sub-part Z, or coordinate and agreement with the grandfathered earth station licensees prior to accessing to 3650-3700 MHz.
- (2) Licensee shall ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz band, and notify the registered users in the proposed areas.