

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
RADIO STATION CONSTRUCTION PERMIT  
AND LICENSE**

EXPERIMENTAL  
(Nature of Service)

WL2XPW  
(Call Sign)

XT    FX MO  
(Class of Station)

0228-EX-CN-2021  
(File Number)

NAME AT&T

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(j) of the Commission's Rules

Station Locations

- (1) Roseville (MACOMB), MI - NL 42-29-43; WL 82-57-55; MOBILE: , within 2 km, centered around NL 42-29-43; WL 82-57-55
- (2) Roseville (MACOMB), MI - NL 42-29-42; WL 82-56-12; MOBILE: , within 2 km, centered around NL 42-29-42; WL 82-56-12
- (3) Eastpointe (MACOMB), MI - NL 42-28-42; WL 82-56-18; MOBILE: , within 2 km, centered around NL 42-28-42; WL 82-56-18
- (4) Warren (MACOMB), MI - NL 42-31-04; WL 83-03-59; MOBILE: , within 2 km, centered around NL 42-31-04; WL 83-03-59
- (5) Warren (MACOMB), MI - NL 42-29-17; WL 83-05-01; MOBILE: , within 2 km, centered around NL 42-29-17; WL 83-05-01
- (6) Warren (MACOMB), MI - NL 42-30-59; WL 83-02-13; MOBILE: within 2 km, centered around NL 42-30-59; WL 83-02-13
- (7) Warren (MACOMB), MI - NL 42-29-30; WL 82-58-47; MOBILE: , within 2 km, centered around NL 42-29-30; WL 82-58-47
- (8) Warren (MACOMB), MI - NL 42-30-28; WL 83-03-14; MOBILE: , within 2 km, centered around NL 42-30-28; WL 83-03-14
- (9) Warren (MACOMB), MI - NL 42-29-54; WL 83-04-59; MOBILE: , within 2 km, centered around NL 42-29-54; WL 83-04-59
- (10) Warren (MACOMB), MI - NL 42-30-12; WL 83-02-03; MOBILE: , within 2 km, centered around NL 42-30-12; WL 83-02-03
- (11) Plano (COLLIN), TX - NL 33-04-30; WL 96-49-56; MOBILE: , within 2 km, centered around NL 33-04-30; WL 96-49-56
- (12) Irving (DALLAS), TX - NL 32-56-23; WL 96-57-04; MOBILE: , within 2 km, centered around NL 32-56-23; WL 96-57-04
- (13) Aubrey (DENTON), TX - NL 33-13-20; WL 96-56-55; MOBILE: , within 2 km, centered around NL 33-13-20; WL 96-56-55

This authorization effective April 23, 2021 and  
will expire 3:00 A.M. EST May 01, 2022

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



Station Locations

- (14) Irving (DALLAS), TX - NL 32-54-08; WL 96-57-25; MOBILE: , within 2 km, centered around NL 32-54-08; WL 96-57-25
- (15) Little Elm (DENTON), TX - NL 33-09-14; WL 96-53-42; MOBILE: , within 2 km, centered around NL 33-09-14; WL 96-53-42
- (16) Irving (DALLAS), TX - NL 32-54-35; WL 96-57-23; MOBILE: , within 2 km, centered around NL 32-54-35; WL 96-57-23
- (17) Irving (DALLAS), TX - NL 32-52-09; WL 96-56-27; MOBILE: , within 2 km, centered around NL 32-52-09; WL 96-56-27
- (18) Aubrey (DENTON), TX - NL 32-13-52; WL 96-53-56; MOBILE: , within 2 km, centered around NL 32-13-52; WL 96-53-56
- (19) San Diego (SAN DIEGO), CA - NL 32-53-45; WL 117-12-08; MOBILE: , within 2 km, centered around NL 32-53-45; WL 117-12-08
- (20) San Diego (SAN DIEGO), CA - NL 32-54-02; WL 117-12-30; MOBILE: , within 2 km, centered around NL 32-54-02; WL 117-12-30
- (21) San Diego (SAN DIEGO), CA - NL 32-53-24; WL 117-10-56; MOBILE: , within 2 km, centered around NL 32-53-24; WL 117-10-56
- (22) Sunnyvale (SANTA CLARA), CA - NL 37-24-30; WL 122-01-29; MOBILE: , within 2 km, centered around NL 37-24-30; WL 122-01-29
- (23) Saratoga (SANTA CLARA), CA - NL 37-16-47; WL 122-00-52; MOBILE: , within 2 km, centered around NL 37-16-47; WL 122-00-52
- (24) Sunnyvale (SANTA CLARA), CA - NL 37-23-15; WL 122-02-11; MOBILE: , within 2 km, centered around NL 37-23-15; WL 122-02-11
- (25) San Jose (SANTA CLARA), CA - NL 37-18-31; WL 122-00-44; MOBILE: , within 2 km, centered around NL 37-18-31; WL 122-00-44
- (26) Saratoga (SANTA CLARA), CA - NL 37-17-26; WL 121-59-43; MOBILE: , within 2 km, centered around NL 37-17-26; WL 121-59-43
- (27) Sunnyvale (SANTA CLARA), CA - NL 37-23-14; WL 122-01-24; MOBILE: , within 2 km, centered around NL 37-23-14; WL 122-01-24
- (28) Mountain View (SANTA CLARA), CA - NL 37-23-27; WL 122-03-17; MOBILE: , within 2 km, centered around NL 37-23-27; WL 122-03-17
- (29) Saratoga (SANTA CLARA), CA - NL 37-16-12; WL 121-59-36; MOBILE: , within 2 km, centered around NL 37-16-12; WL 121-59-36
- (30) San Jose (SANTA CLARA), CA - NL 37-17-35; WL 121-59-16; MOBILE: , within 2 km, centered around NL 37-17-35; WL 121-59-16
- (31) Sunnyvale (SANTA CLARA), CA - NL 37-23-41; WL 122-00-37; MOBILE: , within 2 km, centered around NL 37-23-41; WL 122-00-37
- (32) Campbell (SANTA CLARA), CA - NL 37-17-11; WL 121-57-04; MOBILE: , within 2 km, centered around NL 37-17-11; WL 121-57-04

## Frequency Information

Roseville (MACOMB), MI - NL 42-29-43; WL 82-57-55; MOBILE: , within 2 km, centered around NL 42-29-43; WL 82-57-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MW7W	30559 W (ERP)	0.05 %
3700-3800 MHz	FX	100MW7W	12311 W (ERP)	0.05 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

Roseville (MACOMB), MI - NL 42-29-42; WL 82-56-12; MOBILE: , within 2 km, centered around NL 42-29-42; WL 82-56-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MW7W	30559 W (ERP)	0.05 %
3700-3800 MHz	FX	100MW7W	12311 W (ERP)	0.05 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

## Frequency Information

Eastpointe (MACOMB), MI - NL 42-28-42; WL 82-56-18; MOBILE: , within 2 km, centered around NL 42-28-42; WL 82-56-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MW7W	30559 W (ERP)	0.05 %
3700-3800 MHz	FX	100MW7X	12311 W (ERP)	0.05 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

Warren (MACOMB), MI - NL 42-31-04; WL 83-03-59; MOBILE: , within 2 km, centered around NL 42-31-04; WL 83-03-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MW7W	30559 W (ERP)	0.05 %
3700-3800 MHz	FX	100MW7W	12311 W (ERP)	0.05 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

## Frequency Information

Warren (MACOMB), MI - NL 42-29-17; WL 83-05-01; MOBILE: , within 2 km, centered around NL 42-29-17; WL 83-05-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	30559 W (ERP)	0.05 %
3700-3800 MHz	FX	100MW7W	12311 W (ERP)	0.05 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

Warren (MACOMB), MI - NL 42-30-59; WL 83-02-13; MOBILE:within 2 km, centered around NL 42-30-59; WL 83-02-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MW7W	30559 W (ERP)	0.05 %
3700-3800 MHz	FX	100MW7W	12311 W (ERP)	0.05 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

## Frequency Information

Warren (MACOMB), MI - NL 42-29-30; WL 82-58-47; MOBILE: , within 2 km, centered around NL 42-29-30; WL 82-58-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MW7W	30559 W (ERP)	0.05 %
3700-3800 MHz	FX	100MW7W	12311 W (ERP)	0.05 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

Warren (MACOMB), MI - NL 42-30-28; WL 83-03-14; MOBILE: , within 2 km, centered around NL 42-30-28; WL 83-03-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MW7W	30559 W (ERP)	0.05 %
3700-3800 MHz	FX	100MW7W	12311 W (ERP)	0.05 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

## Frequency Information

Warren (MACOMB), MI - NL 42-29-54; WL 83-04-59; MOBILE: , within 2 km, centered around NL 42-29-54; WL 83-04-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MW7W	30559 W (ERP)	0.05 %
3700-3800 MHz	FX	100MW7W	12311 W (ERP)	0.05 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

Warren (MACOMB), MI - NL 42-30-12; WL 83-02-03; MOBILE: , within 2 km, centered around NL 42-30-12; WL 83-02-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MW7W	30559 W (ERP)	0.05 %
3700-3800 MHz	FX	100MW7W	12311 W (ERP)	0.05 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

## Frequency Information

Plano (COLLIN), TX - NL 33-04-30; WL 96-49-56; MOBILE: , within 2 km, centered around NL 33-04-30; WL 96-49-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

Irving (DALLAS), TX - NL 32-56-23; WL 96-57-04; MOBILE: , within 2 km, centered around NL 32-56-23; WL 96-57-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG3W	400 mW (ERP)	0.1 %



## Frequency Information

Aubrey (DENTON), TX - NL 33-13-20; WL 96-56-55; MOBILE: , within 2 km, centered around NL 33-13-20; WL 96-56-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

Irving (DALLAS), TX - NL 32-54-08; WL 96-57-25; MOBILE: , within 2 km, centered around NL 32-54-08; WL 96-57-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7N	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

## Frequency Information

Little Elm (DENTON), TX - NL 33-09-14; WL 96-53-42; MOBILE: , within 2 km, centered around NL 33-09-14; WL 96-53-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

Irving (DALLAS), TX - NL 32-54-35; WL 96-57-23; MOBILE: , within 2 km, centered around NL 32-54-35; WL 96-57-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

## Frequency Information

Irving (DALLAS), TX - NL 32-52-09; WL 96-56-27; MOBILE: , within 2 km, centered around NL 32-52-09; WL 96-56-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

Aubrey (DENTON), TX - NL 32-13-52; WL 96-53-56; MOBILE: , within 2 km, centered around NL 32-13-52; WL 96-53-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

## Frequency Information

San Diego (SAN DIEGO), CA - NL 32-53-45; WL 117-12-08; MOBILE: , within 2 km, centered around NL 32-53-45; WL 117-1:

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

San Diego (SAN DIEGO), CA - NL 32-54-02; WL 117-12-30; MOBILE: , within 2 km, centered around NL 32-54-02; WL 117-1:

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

## Frequency Information

San Diego (SAN DIEGO), CA - NL 32-53-24; WL 117-10-56; MOBILE: , within 2 km, centered around NL 32-53-24; WL 117-10-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

Sunnyvale (SANTA CLARA), CA - NL 37-24-30; WL 122-01-29; MOBILE: , within 2 km, centered around NL 37-24-30; WL 122-01-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

## Frequency Information

Saratoga (SANTA CLARA), CA - NL 37-16-47; WL 122-00-52; MOBILE: , within 2 km, centered around NL 37-16-47; WL 122-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

Sunnyvale (SANTA CLARA), CA - NL 37-23-15; WL 122-02-11; MOBILE: , within 2 km, centered around NL 37-23-15; WL 122-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

## Frequency Information

San Jose (SANTA CLARA), CA - NL 37-18-31; WL 122-00-44; MOBILE: , within 2 km, centered around NL 37-18-31; WL 122-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

Saratoga (SANTA CLARA), CA - NL 37-17-26; WL 121-59-43; MOBILE: , within 2 km, centered around NL 37-17-26; WL 121-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

## Frequency Information

Sunnyvale (SANTA CLARA), CA - NL 37-23-14; WL 122-01-24; MOBILE: , within 2 km, centered around NL 37-23-14; WL 12:

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	2 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

Mountain View (SANTA CLARA), CA - NL 37-23-27; WL 122-03-17; MOBILE: , within 2 km, centered around NL 37-23-27; WL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %



## Frequency Information

Saratoga (SANTA CLARA), CA - NL 37-16-12; WL 121-59-36; MOBILE: , within 2 km, centered around NL 37-16-12; WL 121-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

San Jose (SANTA CLARA), CA - NL 37-17-35; WL 121-59-16; MOBILE: , within 2 km, centered around NL 37-17-35; WL 121-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

Frequency Information

Sunnyvale (SANTA CLARA), CA - NL 37-23-41; WL 122-00-37; MOBILE: , within 2 km, centered around NL 37-23-41; WL 122:

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

Campbell (SANTA CLARA), CA - NL 37-17-11; WL 121-57-04; MOBILE: , within 2 km, centered around NL 37-17-11; WL 121-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-3800 MHz	FX	100MG7W	79 kW (ERP)	0.1 %
3700-3800 MHz	FX	100MG7W	20 kW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	200 mW (ERP)	0.1 %
3700-3800 MHz	MO	100MG7W	400 mW (ERP)	0.1 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

**Special Conditions:**

- (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) With respect to operations in the 3700-3800 MHz band, AT&T should be made aware that the application must avoid causing interference to the existing Fixed Service operators and FSS earth stations in the band. For applicant's reference, a list of registered incumbent FSS earth stations in the band can be found at the following link: <https://docs.fcc.gov/public/attachments/DA-20-823A2.xls>
- (4) Licensee must successfully coordinate with the Fixed Microwave Service licensees in each proposed venue in accordance with 47 C.F.R, Part 101.103(d) prior to commencing experimental operations.
- (5) To protect incumbent earth stations from blocking, the power flux density (PFD) of any emissions within the 3700-3800 MHz band must not exceed -16 dBW/m<sup>2</sup>/MHz as measured at the earth station antenna including the TT&C earth station antenna.
- (6) For base or fixed station's frequencies that are separated from the center frequency of the Telemetry, Tracking, and Command (TT&C) earth station by less than 150% of the maximum emission bandwidth in use by the TT&C earth station:  
Prior to commencing any operations from any base or fixed station in the 3700-3800 MHz frequency band, experimental licensee must coordinate cochannel frequency usage with all incumbent TT&C earth stations within a 70 km radius. The licensee must ensure that the aggregated power from its operations meets an interference to noise ratio (I/N) of -6 dB to the TT&C earth station receiver.