

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

EXPERIMENTAL

(Nature of Service)

WI2XFM

(Call Sign)

XT      FX MO

(Class of Station)

0143-EX-CM-2018

(File Number)

NAME AT&T Services, Inc.

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) Austin (TRAVIS), TX - NL 30-23-28; WL 97-45-05
- (2) Austin (TRAVIS), TX - NL 30-23-28; WL 97-45-05
- (3) MOBILE: Austin, TX, within 5 km, centered around NL 30-23-28; WL 97-45-05

Frequency Information

Austin (TRAVIS), TX - NL 30-23-28; WL 97-45-05

| Frequency     | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|-------------------------------|------------------|---------------------------|
| 3400-3600 MHz | FX            | 100MW7W<br>100MG7W<br>100MK1W | 200 W (ERP)      |                           |
| 3400-3600 MHz | MO            | 100MW7W<br>100MG7W<br>100MK1W | 0.04 W (ERP)     |                           |

This authorization effective August 01, 2018 and  
will expire 3:00 A.M. EST May 01, 2019

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Austin (TRAVIS), TX - NL 30-23-28; WL 97-45-05

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 3700-4200 MHz   | FX            | 400MW7W             | 20 W (ERP)       |                           |
| 3700-4200 MHz   | MO            | 400MW7W             | 20 W (ERP)       |                           |
| 14500-15350 MHz | FX            | 800MW7W             | 100 W (ERP)      |                           |
| 14500-15350 MHz | MO            | 800MW7W             | 0.63 W (ERP)     |                           |
| 27500-28500 MHz | FX            | 800MW7W             | 400 W (ERP)      |                           |
| 27500-28500 MHz | MO            | 800MW7W             | 2.5 W (ERP)      |                           |

Austin (TRAVIS), TX - NL 30-23-28; WL 97-45-05

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 38500 MHz | FX            | 3G00W7W             | 398.1 W (ERP)    | 0.001 %                   |

## Frequency Information

MOBILE: Austin, TX, within 5 km, centered around NL 30-23-28; WL 97-45-05

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 38500 MHz | MO            | 3G00W7W             | 2.51 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) Licensee must coordinate with all earth station operating in the 3650-4200 MHz band pursuant to 47 C.F.R. §25.251
- (4) Licensee must coordinate with the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d) prior to operation in 3700-4200 MHz and 27500-28500 MHz bands.
- (5) Licensee shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (6) Licensee must avoid pointing the transmitting antenna within 10 degrees of any point on the geostationary orbit arc while transmitting the signals at the 38.5 GHz band.