

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

EXPERIMENTAL

(Nature of Service)

KM2XBI

(Call Sign)

XD FX MO

(Class of Station)

0206-EX-CM-2017

(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(h, i) of the Commission's Rules

Station Locations

- (1) Continental United States; MOBILE: Continental United States (CONUS)
- (2) AUSTIN, TX - NL 30-23-28; WL 97-45-05; MOBILE: AUSTIN, TX, within 16 km
- (3) Austin (TRAVIS), TX - NL 30-23-28; WL 97-45-05; MOBILE: within 5 km radius of base, within 5 km
- (4) Austin (TRAVIS), TX - NL 30-23-28; WL 97-45-05; MOBILE: 2 km around the base station, within 2 km
- (5) Austin (WILLIAMSON), TX - NL 30-28-47; WL 97-46-49; MOBILE: 2 km around the base, within 2 km
- (6) Austin (TRAVIS), TX - NL 30-23-28; WL 97-45-05; MOBILE: , within 15 km, centered around NL 30-23-28; WL 97-45-05
- (7) Austin (WILLIAMSON), TX - NL 30-28-47; WL 97-46-49; MOBILE: , within 15 km, centered around NL 30-28-47; WL 97-46-49
- (8) Austin (TRAVIS), TX - NL 30-23-28; WL 97-45-05; MOBILE: , within 5 km, centered around NL 30-23-28; WL 97-45-05
- (9) Plano (COLLIN), TX - NL 33-00-32; WL 96-45-32; MOBILE: , within 5 km, centered around NL 33-00-32; WL 96-45-32

This authorization effective September 15, 2017 and
will expire 3:00 A.M. EST May 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Continental United States; MOBILE: Continental United States (CONUS)

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
47-49.6 MHz	FX	10M0D7W	1.5 kW (ERP)	
698-746 MHz	FX	10M0D7W	1.5 kW (ERP)	
747-758 MHz	MO	10M0D7W	100 W (ERP)	
777-788 MHz	MO	10M0D7W	100 W (ERP)	
824-894 MHz	MO	10M0D7W	100 W (ERP)	
824-894 MHz	FX	10M0D7W	1.5 kW (ERP)	
930-931 MHz	MO	10M0D7W	100 W (ERP)	
930-931 MHz	FX	10M0D7W	1.5 kW (ERP)	
940-952 MHz	MO	10M0D7W	100 W (ERP)	
940-952 MHz	FX	10M0D7W	1 kW (ERP)	

Frequency Information

Continental United States; MOBILE: Continental United States (CONUS)

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	FX	10M0D7W	1 kW (ERP)	
1850-1910 MHz	MO	10M0D7W	100 W (ERP)	
1850-1910 MHz	FX	10M0D7W	1.5 kW (ERP)	
1930-1990 MHz	MO	10M0D7W	100 W (ERP)	
1930-1990 MHz	FX	10M0D7W	1.5 kW (ERP)	
2110-2200 MHz	MO	10M0D7W	100 W (ERP)	
2110-2200 MHz	FX	10M0D7W	1.5 kW (ERP)	
2500-2690 MHz	MO	10M0D7W	100 W (ERP)	
2500-2690 MHz	FX	10M0D7W	1.5 kW (ERP)	
3700-4200 MHz	MO	10M0D7W	100 W (ERP)	

Frequency Information

Continental United States; MOBILE: Continental United States (CONUS)

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-4200 MHz	FX	10M0D7W	1.2 kW (ERP)	
5925-6425 MHz	MO	10M0D7W	100 W (ERP)	
5925-6425 MHz	FX	10M0D7W	1.2 kW (ERP)	
10700-11700 MHz	FX	10M0D7W	600 W (ERP)	
10700-11700 MHz	MO	10M0D7W	100 W (ERP)	
27500-28350 MHz	MO	10M0D7W	100 W (ERP)	
27500-28350 MHz	FX	10M0D7W	1.5 kW (ERP)	
37000-40000 MHz	FX	3G00GXW	1 kW (ERP)	
37000-40000 MHz	MO	3G00GXW	100 W (ERP)	
40500-42400 MHz	MO	10M0D7W	100 W (ERP)	

Frequency Information

Continental United States; MOBILE: Continental United States (CONUS)

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
40500-42400 MHz	FX	10M0D7W	1 kW (ERP)	

AUSTIN, TX - NL 30-23-28; WL 97-45-05; MOBILE: AUSTIN, TX, within 16 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2305-2320 MHz	MO	10M0D7W	25 W (ERP)	
2345-2360 MHz	FX	10M0D7W	25 W (ERP)	

Austin (TRAVIS), TX - NL 30-23-28; WL 97-45-05; MOBILE: within 5 km radius of base, within 5 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2305-2315 MHz	FX	10M0DXW	110 W (ERP)	0.001 %
3400-3600 MHz	FX	10M0F9W	35 W (ERP)	0.001 %

Austin (TRAVIS), TX - NL 30-23-28; WL 97-45-05; MOBILE: 2 km around the base station, within 2 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1750 MHz	MO	60M0D7W	2.4 W (ERP)	0.001 %

Frequency Information

Austin (TRAVIS), TX - NL 30-23-28; WL 97-45-05; MOBILE: 2 km around the base station, within 2 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1750 MHz	FX	60M0D7W	2.4 W (ERP)	0.001 %
2110-2155 MHz	MO	60M0D7W	6.1 W (ERP)	0.001 %
2110-2155 MHz	FX	60M0D7W	6.1 W (ERP)	0.001 %
5.725-5.825 GHz	MO	60M0D7W	2.4 W (ERP)	0.001 %
5.725-5.825 GHz	FX	60M0D7W	2.4 W (ERP)	0.001 %

Austin (WILLIAMSON), TX - NL 30-28-47; WL 97-46-49; MOBILE: 2 km around the base, within 2 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1750 MHz	FX	60M0D7W	2.4 W (ERP)	0.001 %
1710-1750 MHz	MO	60M0D7W	2.4 W (ERP)	0.001 %
2110-2155 MHz	FX	60M0D7W	6.1 W (ERP)	0.001 %
2110-2155 MHz	MO	60M0D7W	6.1 W (ERP)	0.001 %

Frequency Information

Austin (WILLIAMSON), TX - NL 30-28-47; WL 97-46-49; MOBILE: 2 km around the base, within 2 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.725-5.825 GHz	FX	60M0D7W	2.4 W (ERP)	0.001 %
5.725-5.825 GHz	MO	60M0D7W	2.4 W (ERP)	0.001 %

Austin (TRAVIS), TX - NL 30-23-28; WL 97-45-05; MOBILE: , within 15 km, centered around NL 30-23-28; WL 97-45-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.15-5.25 GHz	FX	60M0D7W	2.4 W (ERP)	0.001 %
5.15-5.25 GHz	MO	60M0D7W	2.4 W (ERP)	0.001 %

Austin (WILLIAMSON), TX - NL 30-28-47; WL 97-46-49; MOBILE: , within 15 km, centered around NL 30-28-47; WL 97-46-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.15-5.25 GHz	FX	60M0D7W	2.4 W (ERP)	0.001 %
5.15-5.25 GHz	MO	60M0D7W	2.4 W (ERP)	0.001 %

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2690 MHz	MO	10M0W9W 15M0W9W 20M0W9W 60M0W9W 20M0W7W 40M0W7W 60M0W7W	50.1 W (ERP)	0.05 %
2500-2690 MHz	FX	10M0W9W 15M0W9W 20M0W9W 60M0W9W 20M0W7W 40M0W7W 60M0W7W	50.1 W (ERP)	0.05 %

Plano (COLLIN), TX - NL 33-00-32; WL 96-45-32; MOBILE: , within 5 km, centered around NL 33-00-32; WL 96-45-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2690 MHz	FX	10M0W9W 15M0W9W 20M0W9W 60M0W9W 20M0W7W 40M0W7W 60M0W7W	50.1 W (ERP)	0.05 %
2500-2690 MHz	MO	10M0W9W 15M0W9W	50.1 W (ERP)	0.05 %

Frequency Information

Plano (COLLIN), TX - NL 33-00-32; WL 96-45-32; MOBILE: , within 5 km, centered around NL 33-00-32; WL 96-45-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2690 MHz	MO	20M0W9W 60M0W9W 20M0W7W 40M0W7W 60M0W7W	50.1 W (ERP)	0.05 %

Special Conditions:

- (1) Operation requires consent of affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) Operation on frequencies licensed to commercial radio services such as PCS, cellular, SMR, EBS/BRS, etc. requires consent of licensee(s) to avoid interference. Operation on all other non-Government frequencies require prior frequency coordination to avoid interference.
- (6) Operation is not permitted in the public safety 758-768 MHz and 788-798 MHz bands.