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

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

EXPERIMENTAL	WI2XWD
(Nature of Service)	(Call Sign)
XT FX MO	0085-EX-CN-2017
(Class of Station)	(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 (WILLIAMSON), TX - NL 30-28-46; WL 97-46-49; MOBILE: Within 3 km radius of base, within 3 km, centered around NL 30-28-46; WL 97-46-49

Frequency Information

Austin (WILLIAMSON), TX - NL 30-28-46; WL 97-46-49; MOBILE: Within 3 km radius of base, within 3 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3400-3600 MHz	FX	100MD7W	200 W (ERP)	0.001 %
3400-3600 MHz	MO	100MD7W	20 W (ERP)	0.001 %
3700-4200 MHz	FX	400MD7W	200 W (ERP)	0.001 %
3700-4200 MHz	MO	400MD7W	20 W (ERP)	0.001 %

This authorization effective June 29, 2017 and
will expire 3:00 A.M. EST July 01, 2019

FEDERAL COMMUNICATIONS COMMISSION

Frequency Information

Austin (WILLIAMSON), TX - NL 30-28-46; WL 97-46-49; MOBILE: Within 3 km radius of base, within 3 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27500-28350 MHz	MO	800MWXW	10 W (ERP)	0.001 %
27500-28350 MHz	MO	800MWXW	150 W (ERP)	0.001 %
27500-28350 MHz	FX	800MWXW	15 kW (ERP)	0.001 %
37000-38600 MHz	MO	1G00WXW	10 W (ERP)	0.001 %
37000-38600 MHz	MO	1G00W7W	150 W (ERP)	0.001 %
37000-38600 MHz	FX	1G00WXW	15 kW (ERP)	0.001 %
38600-40000 MHz	MO	1G00WXW	10 W (ERP)	0.001 %
38600-40000 MHz	MO	1G00WXW	150 W (ERP)	0.001 %
38600-40000 MHz	FX	1G00W7W	15 kW (ERP)	0.001 %
64000-71000 MHz	MO	1G00W7W	10 W (ERP)	0.001 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
64000-71000 MHz	FX	1G00WXW	10 W (ERP)	0.001 %
71000-76000 MHz	MO	1G00W7W	150 kW (ERP)	0.001 %
71000-76000 MHz	FX	1G00WXW	150 kW (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) Licensee shall prior coordinate with any incumbent fixed microwave in the 3700-4200 MHz, 27500-29500 MHz, 38600-40000 MHz, and 65000-71000 MHz bands in each corresponding proposed venue prior to conducting the testing.

(3) AT&T must coordinate and obtain an agreement from KVUE Television, Inc. (FCC license call sign E060176).

(4) Prior to operating, AT&T must notify licensees of FSS earth stations operating the 3700 - 4200 MHz within 25 kilometers' radius of the locations from which experimental operations will occur. Furthermore, AT&T Services., must notify the National Spectrum Managers Association frequency coordinators by email. (see http://wireless.fcc.gov/services/index.htm?job=licensing_1&id=microwave). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, antenna patterns, eirp density) and day and times of each test. Consult the IBFS database to identify licensed earth station in the band 3700-4200 MHz band.

(5) Licensee shall ensure that the transmitting main beam gain antenna boresight of the fixed station tilt downward (below the horizon).

(6) Licensee shall avoid pointing the transmit main beam antenna gain boresight above the horizon to protect satellite operations.

(7) Any renewal will be subject to review. No automatic renewal for this authorization.

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