

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WI2XAJ

(Call Sign)

0170-EX-CM-2020

(File Number)

NAME Toggle Communications LLC

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) of the Commission's Rules

Station Locations

- (1) Wesley Hills (ROCKLAND), NY - NL 41-09-38; WL 74-05-19
- (2) West Chicago (DU PAGE), IL - NL 41-53-54; WL 88-13-14
- (3) West Chicago (DU PAGE), IL - NL 41-53-54; WL 88-13-14
- (4) Seattle (KING), WA - NL 47-36-52; WL 122-18-35
- (5) Elburn, IL - NL 41-51-30; WL 88-29-10

Frequency Information

Wesley Hills (ROCKLAND), NY - NL 41-09-38; WL 74-05-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.795-7 MHz	FX	24K0J1D	36 kW (ERP)	0.00005 %
9.04-9.4 MHz	FX	24K0J1D	36 kW (ERP)	0.00005 %
10.15-11.175 MHz	FX	24K0J1D	36 kW (ERP)	0.00005 %

This authorization effective August 31, 2020 and
will expire 3:00 A.M. EST November 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Wesley Hills (ROCKLAND), NY - NL 41-09-38; WL 74-05-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.35-14.99 MHz	FX	24K0J1D	36 kW (ERP)	0.00005 %
15.8-16.36 MHz	FX	24K0J1D	36 kW (ERP)	0.00005 %

West Chicago (DU PAGE), IL - NL 41-53-54; WL 88-13-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.06-5.45 MHz	FX	24K0Q1D 10K0Q1D 6K00Q1D 3K00Q1D 24K0G1D 10K0G1D 6K00G1D 3K00G1D 18K0Q1D 18K0G1D 12K0G1D	36 kW (ERP)	0.00005 %
6.795-7 MHz	FX	24K0Q1D 10K0Q1D 6K00Q1D 3K00Q1D 24K0G1D 10K0G1D 6K00G1D 3K00G1D 18K0Q1D 18K0G1D	36 kW (ERP)	0.00005 %

Frequency Information

West Chicago (DU PAGE), IL - NL 41-53-54; WL 88-13-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.795-7 MHz	FX	12K0G1D	36 kW (ERP)	0.00005 %
9.04-9.4 MHz	FX	24K0Q1D 10K0Q1D 6K00Q1D 3K00Q1D 24K0G1D 10K0G1D 6K00G1D 3K00G1D 18K0G1D 18K0Q1D 12K0G1D	95 kW (ERP)	0.00005 %
10.15-11.175 MHz	FX	24K0Q1D 10K0Q1D 6K00Q1D 3K00Q1D 24K0G1D 10K0G1D 6K00G1D 3K00G1D 12K0G1D	95 kW (ERP)	0.00005 %
12.1-12.23 MHz	FX	24K0Q1D 10K0Q1D 6K00Q1D 3K00Q1D 24K0G1D 10K0G1D 6K00G1D 3K00G1D	36 kW (ERP)	0.00005 %

Frequency Information

West Chicago (DU PAGE), IL - NL 41-53-54; WL 88-13-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12.1-12.23 MHz	FX	18K0G1D 18K0Q1D 12K0G1D	36 kW (ERP)	0.00005 %

West Chicago (DU PAGE), IL - NL 41-53-54; WL 88-13-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.35-14.99 MHz	FX	24K0Q1D 10K0Q1D 6K00Q1D 3K00Q1D 24K0G1D 10K0G1D 6K00G1D 3K00G1D 18K0G1D 18K0Q1D 12K0G1D	200 kW (ERP)	0.00005 %

Seattle (KING), WA - NL 47-36-52; WL 122-18-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.06-5.45 MHz	FX	10K0G1D 10K0Q1D 24K0G1D 24K0Q1D 3K00G1D 3K00Q1D 6K00G1D	29 kW (ERP)	0.0005 %

Frequency Information

Seattle (KING), WA - NL 47-36-52; WL 122-18-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.06-5.45 MHz	FX	6K00Q1D	29 kW (ERP)	0.0005 %
6.795-7 MHz	FX	10K0G1D 10K0Q1D 24K0G1D 24K0Q1D 3K00G1D 3K00Q1D 6K00G1D 6K00Q1D	29 kW (ERP)	0.0005 %
9.04-9.4 MHz	FX	10K0G1D 10K0Q1D 24K0G1D 24K0Q1D 3K00G1D 3K00Q1D 6K00G1D 6K00Q1D	29 kW (ERP)	0.0005 %
10.15-11.175 MHz	FX	10K0G1D 10K0Q1D 24K0G1D 24K0Q1D 3K00G1D 3K00Q1D 6K00G1D 6K00Q1D	29 kW (ERP)	0.0005 %
12.1-12.23 MHz	FX	10K0G1D	29 kW (ERP)	0.0005 %

Frequency Information

Seattle (KING), WA - NL 47-36-52; WL 122-18-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12.1-12.23 MHz	FX	10K0Q1D 24K0G1D 24K0Q1D 3K00G1D 3K00Q1D 6K00G1D 6K00Q1D	29 kW (ERP)	0.0005 %

Elburn, IL - NL 41-51-30; WL 88-29-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.795-7 MHz	FX	3K00G1D 6K00Q1D 6K00G1D 10K0Q1D 10K0G1D 3K00Q1D 18K0Q1D 18K0G1D 24K0Q1D 24K0G1D 12K0G1D 12K0Q1D	145 kW (ERP)	5.0E-6 %
9.04-9.4 MHz	FX	3K00G1D 3K00Q1D 6K00G1D 6K00Q1D 24K0G1D 10K0Q1D 24K0Q1D	196 kW (ERP)	5.0E-6 %

Frequency Information

Elburn, IL - NL 41-51-30; WL 88-29-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.04-9.4 MHz	FX	18K0G1D 18K0Q1D 12K0G1D 12K0Q1D	196 kW (ERP)	5.0E-6 %
10.15-11.175 MHz	FX	3K00G1D 3K00Q1D 6K00G1D 6K00Q1D 10K0G1D 10K0Q1D 18K0G1D 18K0Q1D 24K0G1D 24K0Q1D 12K0G1D 12K0Q1D	263 kW (ERP)	5.0E-6 %
12.1-12.23 MHz	FX	3K00G1D 3K00Q1D 6K00G1D 6K00Q1D 10K0G1D 10K0Q1D 18K0G1D 18K0Q1D 24K0G1D 24K0Q1D 12K0G1D 12K0Q1D	263 kW (ERP)	5.0E-6 %
14.359-14.99 MHz	FX	3K00G1D	263 kW (ERP)	5.0E-6 %

Frequency Information

Elburn, IL - NL 41-51-30; WL 88-29-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.359-14.99 MHz	FX	3K00Q1D 6K00G1D 6K00Q1D 10K0G1D 10K0Q1D 18K0G1D 18K0Q1D 24K0G1D 24K0Q1D 12K0G1D 12K0Q1D	263 kW (ERP)	5.0E-6 %

Special Conditions:

- (1) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) This operation is for experimental purposes only, provision of services is not permitted. Widely divergent and unrelated experiments must not be conducted under this license.
- (5) The designated point-of-contact to terminate the systems if interference occurs is Andrew Stevens, 312-204-7502.
- (6) This operation is not permitted for market trial.