

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

EXPERIMENTAL
(Nature of Service)

XT FX
(Class of Station)

WI2XNX
(Call Sign)

0277-EX-CM-2022
(File Number)

NAME 10Band 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) Elburn (KANE), IL - NL 41-55-36; WL 88-29-48
- (2) Snohomish (SNOHOMISH), WA - NL 47-51-22; WL 122-03-36
- (3) Wayne (PASSAIC), NJ - NL 40-56-27; WL 74-11-59
- (4) Elburn (KANE), IL - NL 41-55-36; WL 88-29-48
- (5) Snohomish (SNOHOMISH), WA - NL 47-51-22; WL 122-03-36

Frequency Information

Elburn (KANE), IL - NL 41-55-36; WL 88-29-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.06-5.45 MHz	FX		28 kW (ERP)	0.002 %
		24K0F1D		
		48K0F1D		
		24K0D1D		
		48K0D1D		
6.765-7 MHz	FX		20.2 kW (ERP)	0.002 %
		24K0F1D		
		48K0F1D		
		24K0D1D		

This authorization effective December 23, 2022 and will expire 3:00 A.M. EST November 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Elburn (KANE), IL - NL 41-55-36; WL 88-29-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.765-7 MHz	FX	48K0D1D	20.2 kW (ERP)	0.002 %
7.45-8.1 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	20.2 kW (ERP)	0.002 %
10.15-11.175 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	20.2 kW (ERP)	0.002 %
12.1-12.23 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	20.2 kW (ERP)	0.002 %
14.35-14.99 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	20.2 kW (ERP)	0.002 %
16.2-16.36 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	20.2 kW (ERP)	0.002 %

Frequency Information

Elburn (KANE), IL - NL 41-55-36; WL 88-29-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
18.168-18.75 MHz	FX	24K0F1D	20.2 kW (ERP)	0.002 %
		48K0F1D		
		24K0D1D		
		48K0D1D		
19.02-19.68 MHz	FX	24K0F1D	20.2 kW (ERP)	0.002 %
		48K0F1D		
		24K0D1D		
		48K0D1D		
20.01-21 MHz	FX	24K0F1D	20.2 kW (ERP)	0.002 %
		48K0F1D		
		24K0D1D		
		48K0D1D		

Snohomish (SNOHOMISH), WA - NL 47-51-22; WL 122-03-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.06-5.45 MHz	FX	24K0F1D	28 kW (ERP)	0.002 %
		48K0F1D		
		24K0D1D		
		48K0D1D		
6.765-7 MHz	FX	24K0F1D	20.2 kW (ERP)	0.002 %
		48K0F1D		
		24K0D1D		

Frequency Information

Snohomish (SNOHOMISH), WA - NL 47-51-22; WL 122-03-36

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6.765-7 MHz	FX	48K0D1D	20.2 kW (ERP)	0.002 %
7.45-8.1 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	20.2 kW (ERP)	0.002 %
10.15-11.175 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	20.2 kW (ERP)	0.002 %
12.1-12.23 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	20.2 kW (ERP)	0.002 %
14.35-14.99 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	20.2 kW (ERP)	0.002 %
16.2-16.36 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	20.2 kW (ERP)	0.002 %

Frequency Information

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18.168-18.75 MHz	FX	24K0F1D	20.2 kW (ERP)	0.002 %
		48K0F1D		
		24K0D1D		
		48K0D1D		
19.02-19.68 MHz	FX	24K0F1D	20.2 kW (ERP)	0.002 %
		48K0F1D		
		24K0D1D		
		48K0D1D		
20.01-21 MHz	FX	24K0F1D	20.2 kW (ERP)	0.002 %
		48K0F1D		
		24K0D1D		
		48K0D1D		

Wayne (PASSAIC), NJ - NL 40-56-27; WL 74-11-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.06-5.45 MHz	FX	24K0F1D	28 kW (ERP)	0.002 %
		48K0F1D		
		24K0D1D		
		48K0D1D		
6.765-7 MHz	FX	24K0F1D	20.2 kW (ERP)	0.002 %
		48K0F1D		
		24K0D1D		

Frequency Information

Wayne (PASSAIC), NJ - NL 40-56-27; WL 74-11-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.765-7 MHz	FX	48K0D1D	20.2 kW (ERP)	0.002 %
7.45-8.1 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	20.2 kW (ERP)	0.002 %
10.15-11.175 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	20.2 kW (ERP)	0.002 %
12.1-12.23 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	20.2 kW (ERP)	0.002 %
14.35-14.99 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	20.2 kW (ERP)	0.002 %
16.2-16.36 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	20.2 kW (ERP)	0.002 %

Frequency Information

Wayne (PASSAIC), NJ - NL 40-56-27; WL 74-11-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
18.168-18.75 MHz	FX	24K0F1D	20.2 kW (ERP)	0.002 %
		48K0F1D		
		24K0D1D		
		48K0D1D		
19.02-19.68 MHz	FX	24K0F1D	20.2 kW (ERP)	0.002 %
		48K0F1D		
		24K0D1D		
		48K0D1D		
20.01-21 MHz	FX	24K0F1D	20.2 kW (ERP)	0.002 %
		48K0F1D		
		24K0D1D		
		48K0D1D		

Elburn (KANE), IL - NL 41-55-36; WL 88-29-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.765-7 MHz	FX	24K0F1D	808 kW (ERP)	0.002 %
		48K0F1D		
		24K0D1D		
		48K0D1D		
7.45-8.1 MHz	FX	24K0F1D	808 kW (ERP)	0.002 %
		48K0F1D		
		24K0D1D		

Frequency Information

Elburn (KANE), IL - NL 41-55-36; WL 88-29-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.45-8.1 MHz	FX	48K0D1D	808 kW (ERP)	0.002 %
10.15-11.175 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	808 kW (ERP)	0.002 %
12.1-12.23 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	808 kW (ERP)	0.002 %
14.35-14.99 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	808 kW (ERP)	0.002 %
16.2-16.36 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	808 kW (ERP)	0.002 %
18.17-18.75 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	808 kW (ERP)	0.002 %

Frequency Information

Elburn (KANE), IL - NL 41-55-36; WL 88-29-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
20.01-21 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	808 kW (ERP)	0.002 %

Snohomish (SNOHOMISH), WA - NL 47-51-22; WL 122-03-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.06-5.45 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	28 kW (ERP)	0.002 %
6.765-7 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	28 kW (ERP)	0.002 %
7.45-8.1 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	28 kW (ERP)	0.002 %
10.15-11.175 MHz	FX	24K0F1D 48K0F1D 24K0D1D	28 kW (ERP)	0.002 %

Frequency Information

Snohomish (SNOHOMISH), WA - NL 47-51-22; WL 122-03-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.15-11.175 MHz	FX	48K0D1D	28 kW (ERP)	0.002 %
12.1-12.23 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	28 kW (ERP)	0.002 %
14.35-14.99 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	28 kW (ERP)	0.002 %
16.2-16.36 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	28 kW (ERP)	0.002 %
18.168-18.75 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	28 kW (ERP)	0.002 %
19.02-19.68 MHz	FX	24K0F1D 48K0F1D 24K0D1D 48K0D1D	28 kW (ERP)	0.002 %

Frequency Information

Snohomish (SNOHOMISH), WA - NL 47-51-22; WL 122-03-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
20.01-21 MHz	FX	24K0F1D	28 kW (ERP)	0.002 %
		48K0F1D		
		24K0D1D		
		48K0D1D		

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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Upon notification from the FCC, operation on this assignment is subject to immediate cessation, if it causes harmful interference to Coast Guard operations assignments.
- (4) Stop buzzers, phone number (302) 257-5677.
- (5) This authorization permits market trial operation for proof of concept testing. This license does not prejudice any future Commission decision regarding any future operations. Licensee acknowledges that testing is only for the term of the existing license, any renewal would be subject to further review and this license may be cancelled at any time.
- (6) Transmission of time-sensitive test data to other countries must not cause interference to the operations of assignments in any other countries and the operation of assignments in the United States.
- (7) Operations of test data to other countries must be in compliance with the applicable laws, regulations, and licensing procedures of other countries and US, as well as with the conditions of this authorization.
- (8) Prior to equipment authorization or a determination of compliance, the device must be accompanied by a conspicuous notice worded as follows: "This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained."
- (9) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.
- (10) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.
- (11) Licensee is required to ensure that trial devices are either rendered inoperable or retrieved by them from trial participants at the conclusion of the trial. Licensee is required to notify trial participants in advance that operation of the trial device is subject to this condition.

Special Conditions:

- (12) This is for experimental purpose only and does not permit commercial service or market access.
- (13) Market trial testing is limited to up to 50 participants.