

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

EXPERIMENTAL
(Nature of Service)

WM2XHW
(Call Sign)

XT FX
(Class of Station)

0160-EX-CM-2023
(File Number)

NAME FalconION, 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) of the Commission's Rules

Station Locations

- (1) Lockport (WILL), IL - NL 41-37-42; WL 88-00-44
- (2) Lockport (WILL), IL - NL 41-37-42; WL 88-00-44
- (3) Orland Park (COOK), IL - NL 41-35-29; WL 87-52-27
- (4) Orland Park (COOK), IL - NL 41-35-29; WL 87-52-27
- (5) East Graham (PIERCE), WA - NL 47-01-44; WL 122-17-58
- (6) Mt. Cleary (GRAYS HARBOR), WA - NL 46-58-30; WL 123-08-21

Frequency Information

Lockport (WILL), IL - NL 41-37-42; WL 88-00-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.14-8.4 MHz	FX		16000 W (ERP)	0.00005 %
		5K00G1D		
		10K0G1D		
		20K0G1D		
9.04-9.39 MHz	FX		16000 W (ERP)	0.00005 %
		5K00G1D		
		10K0G1D		
		20K0G1D		

This authorization effective June 27, 2023 and
will expire 3:00 A.M. EST January 01, 2024

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Lockport (WILL), IL - NL 41-37-42; WL 88-00-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.15-11.175 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		
		20K0G1D		
12.15-13.5 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		
		20K0G1D		
14-14.99 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		
		20K0G1D		
15.81-17.4 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		
		20K0G1D		
18.2-18.5 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		
		20K0G1D		

Lockport (WILL), IL - NL 41-37-42; WL 88-00-44

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7.14-8.4 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		

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7.14-8.4 MHz	FX	20K0G1D	16000 W (ERP)	0.00005 %
9.04-9.39 MHz	FX	5K00G1D 10K0G1D 20K0G1D	16000 W (ERP)	0.00005 %
10.15-11.175 MHz	FX	5K00G1D 10K0G1D 20K0G1D	16000 W (ERP)	0.00005 %
12.15-13.5 MHz	FX	5K00G1D 10K0G1D 20K0G1D	16000 W (ERP)	0.00005 %
14-14.99 MHz	FX	5K00G1D 10K0G1D 20K0G1D	16000 W (ERP)	0.00005 %
15.81-17.4 MHz	FX	5K00G1D 10K0G1D 20K0G1D	16000 W (ERP)	0.00005 %
18.2-18.5 MHz	FX	5K00G1D 10K0G1D 20K0G1D	16000 mW (ERP)	0.00005 %

Frequency Information

Orland Park (COOK), IL - NL 41-35-29; WL 87-52-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.14-8.4 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		
		20K0G1D		
9.04-9.39 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		
		20K0G1D		
10.15-11.175 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		
		20K0G1D		
12.15-13.5 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		
		20K0G1D		
14-14.99 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		
		20K0G1D		
15.81-17.4 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		
		20K0G1D		
18.2-18.5 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		

Frequency Information

Orland Park (COOK), IL - NL 41-35-29; WL 87-52-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
18.2-18.5 MHz	FX	20K0G1D	16000 W (ERP)	0.00005 %

Orland Park (COOK), IL - NL 41-35-29; WL 87-52-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.14-8.4 MHz	FX	5K00G1D 10K0G1D 20K0G1D	16000 W (ERP)	0.00005 %

9.04-9.39 MHz	FX	5K00G1D 10K0G1D 20K0G1D	16000 W (ERP)	0.00005 %
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10.15-11.175 MHz	FX	5K00G1D 10K0G1D 20K0G1D	16000 W (ERP)	0.00005 %
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12.15-13.5 MHz	FX	5K00G1D 10K0G1D 20K0G1D	16000 W (ERP)	0.00005 %
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14-14.99 MHz	FX	5K00G1D 10K0G1D 20K0G1D	16000 W (ERP)	0.00005 %
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		20K0G1D		
18.2-18.5 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		
		20K0G1D		

East Graham (PIERCE), WA - NL 47-01-44; WL 122-17-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.14-8.4 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		
		20K0G1D		
9.04-9.39 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		
		20K0G1D		
10.15-11.175 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		
		20K0G1D		
12.15-13.5 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		

Frequency Information

East Graham (PIERCE), WA - NL 47-01-44; WL 122-17-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12.15-13.5 MHz	FX	20K0G1D	16000 W (ERP)	0.00005 %
14-14.99 MHz	FX	5K00G1D 10K0G1D 20K0G1D	16000 W (ERP)	0.00005 %
15.81-17.4 MHz	FX	5K00G1D 10K0G1D 20K0G1D	16000 W (ERP)	0.00005 %
18.2-18.5 MHz	FX	5K00G1D 10K0G1D 20K0G1D	16000 W (ERP)	0.00005 %

Mt. Cleary (GRAYS HARBOR), WA - NL 46-58-30; WL 123-08-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.14-8.4 MHz	FX	5K00G1D 10K0G1D 20K0G1D	16000 W (ERP)	0.00005 %
9.04-9.39 MHz	FX	5K00G1D 10K0G1D 20K0G1D	16000 W (ERP)	0.00005 %

Frequency Information

Mt. Cleary (GRAYS HARBOR), WA - NL 46-58-30; WL 123-08-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.15-11.175 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		
		20K0G1D		
12.15-13.5 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		
		20K0G1D		
14-14.99 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		
		20K0G1D		
15.81-17.4 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		
		20K0G1D		
18.2-18.5 MHz	FX	5K00G1D	16000 W (ERP)	0.00005 %
		10K0G1D		
		20K0G1D		

Special Conditions:

- (1) 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."
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.

Special Conditions:

- (4) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.
- (5) 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.
- (6) Stop buzzer, Aissam Ouriche at 646-883-9110.
- (7) Operation is not permitted using the following frequency bands:
7.2-7.45 MHz
9.4 MHz
15.8 MHz