

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

EXPERIMENTAL
(Nature of Service)

WH2XIL
(Call Sign)

XT FX MO
(Class of Station)

0304-EX-CR-2019
(File Number)

NAME Warren H. Ziegler

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(d) of the Commission's Rules

Station Locations

- (1) Wayland (MIDDLESEX), MA - NL 42-21-55; WL 71-20-08; MOBILE: within 500 km of Wayland,MA, within 500 km
- (2) Skowhegan (SOMERSET), ME - NL 44-45-37; WL 69-42-51

Frequency Information

Wayland (MIDDLESEX), MA - NL 42-21-55; WL 71-20-08; MOBILE: within 500 km of Wayland,MA, within 500 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27-59 kHz	FX	150HA1A 500HG1D 500HJ2B 500HF1B 500HJ2D 500HF1D 500HF2D	5 W (ERP)	
27-59 kHz	MO	150HA1A 500HG1D 500HJ2B	5 W (ERP)	

This authorization effective August 01, 2019 and
will expire 3:00 A.M. EST August 01, 2024

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Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27-59 kHz	MO	500HF1B 500HJ2D 500HF1D 500HF2D	5 W (ERP)	
68-89 kHz	FX	150HA1A 500HG1D 500HJ2B 500HF1B 500HJ2D 500HF1D 500HF2D	10 W (ERP)	
68-89 kHz	MO	150HA1A 500HG1D 500HJ2B 500HF1B 500HJ2D 500HF1D 500HF2D	10 W (ERP)	
130-190 kHz	FX	8K00A3E 500HG1D 500HF1B 500HF1D 1K30J2E 150HA1A 500HJ2D 500HJ2B 3K00J3E	100 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
130-190 kHz	MO	150HA1A 500HJ2D 500HJ2B 3K00J3E 8K00A3E 500HG1D 500HF1B 500HF1D 1K30J2E	100 W (ERP)	
460-488 kHz	FX	150HA1A 500HJ2B 500HJ2D 3K00J3E 10K0A3E 500HG1D 500HF1B 1K30J2E 500HF1D	1 kW (ERP)	
460-488 kHz	MO	150HA1A 500HJ2D 500HJ2B 3K00J3E 8K00A3E 500HG1D 500HF1D 500HF1B 1K30J2E	1 kW (ERP)	
491-517 kHz	FX	150HA1A 500HJ2D	1 kW (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
491-517 kHz	FX	500HJ2B 3K00J3E 8K00A3E 500HG1D 500HF1B 500HF1D 1K30J2E	1 kW (ERP)	
491-517 kHz	MO	150HA1A 500HJ2D 500HJ2B 3K00J3E 8K00A3E 500HG1D 500HF1D 500HF1B 1K30J2E	1 kW (ERP)	

Skowhegan (SOMERSET), ME - NL 44-45-37; WL 69-42-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
460-488 kHz	FX	150HA1A 3K00J3E 10K0A3E 1K30J2E 500HG1D 500HJ2B 500HJ2D 500HF1B	1 kW (ERP)	

Frequency Information

Skowhegan (SOMERSET), ME - NL 44-45-37; WL 69-42-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
491-517 kHz	FX	150HA1A 3K00J3E 10K0A3E 500HJ2B 500HJ2D 1K30J2E 500HG1D 500HF1B	1 kW (ERP)	

Special Conditions:

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