

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

EXPERIMENTAL
(Nature of Service)

WH2XBA
(Call Sign)

XT FX MO
(Class of Station)

0012-EX-PL-2014
(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(i) of the Commission's Rules

Station Locations

- (1) Wayland (MIDDLESEX), MA - NL 42-21-55; WL 71-20-08; MOBILE: Within a 500km radius of Wayland,MA, within 500 km
- (2) Penn Yan (YATES), NY - NL 42-40-05; WL 77-04-28
- (3) Stanfield (STANLY), NC - NL 35-15-22; WL 80-22-48
- (4) Palmer (Matanuska-Susitna), AK - NL 61-38-29; WL 149-18-34
- (5) Carefree (MARICOPA), AZ - NL 33-49-06; WL 111-55-37; MOBILE: Within a 500km radius of Carefree,AZ, within 500 km
- (6) Flower Mound (DENTON), TX - NL 33-02-20; WL 97-02-36
- (7) Arlington (ARLINGTON), VA - NL 38-51-31; WL 77-06-12; MOBILE: within a 300km radius of Arlington,VA, within 300 km
- (8) MOBILE: Withing Cathedral Caverns State Park Woodville, AL, within 50 km, centered around NL 34-34-40; WL 86-13-20
- (9) Burlington (HARTFORD), CT - NL 41-45-29; WL 73-00-04; MOBILE: within a 100km radius of Burlington,CT, within 100 km

Frequency Information

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

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

This authorization effective February 27, 2014 and will expire 3:00 A.M. EST March 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

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

Penn Yan (YATES), NY - NL 42-40-05; WL 77-04-28

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

Stanfield (STANLY), NC - NL 35-15-22; WL 80-22-48

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

Frequency Information

Palmer (Matanuska-Susitna), AK - NL 61-38-29; WL 149-18-34

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

Carefree (MARICOPA), AZ - NL 33-49-06; WL 111-55-37; MOBILE: Within a 500km radius of Carefree,AZ, within 500 km

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

Flower Mound (DENTON), TX - NL 33-02-20; WL 97-02-36

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

Frequency Information

Flower Mound (DENTON), TX - NL 33-02-20; WL 97-02-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27-59 kHz	FX	500HF2D	5 W (ERP)	

Arlington (ARLINGTON), VA - NL 38-51-31; WL 77-06-12; MOBILE: within a 300km radius of Arlington,VA, within 300 km

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

MOBILE: Withing Cathedral Caverns State Park Woodville, AL, within 50 km, centered around NL 34-34-40; WL 86-13-20

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

Frequency Information

Burlington (HARTFORD), CT - NL 41-45-29; WL 73-00-04; MOBILE: within a 100kM radius of Burlington,CT, within 100 km

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