

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WK2XAQ

(Call Sign)

0988-EX-CN-2018

(File Number)

NAME Pentastar Aviation 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(g i) of the Commission's Rules

Station Locations

- (1) Waterford (OAKLAND), MI - NL 42-39-47; WL 83-25-35
- (2) Waterford (OAKLAND), MI - NL 42-39-47; WL 83-24-50

Frequency Information

Waterford (OAKLAND), MI - NL 42-39-47; WL 83-25-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.4-2.4835 GHz	FX	20M0W7D	4 W (ERP)	1 %

Waterford (OAKLAND), MI - NL 42-39-47; WL 83-24-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.25-5.35 GHz	FX	20M0W9D	4 W (ERP)	1 %

This authorization effective April 19, 2019 and
will expire 3:00 A.M. EST May 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Waterford (OAKLAND), MI - NL 42-39-47; WL 83-24-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.47-5.825 GHz	FX	20M0W9D	4 W (ERP)	1 %

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) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The applicant must coordinate with the local Society of Broadcast Engineers frequency coordinator and the affected Fixed Microwave Service licensees prior to operation in 2.4-2.4835 GHz band.
- (4) The stop buzzer contact for this project is Jesse Beard
Phone Number: 248-666-8398
E-Mail Address: jbeard@pentastaraviation.com
- (5) Station authorized herein must not be used to provide air traffic control communications.
- (6) The authorized station shall not be used for air traffic control purposes or separation of aircraft.
- (7) The authorized station must follow the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules.
- (8) PENTASTAR AVIATION LLC IS PROHIBITED FROM OPERATING ON THE FOLLOWING FREQUENCY BAND
-> 5610 - 5620 MHz
- (9) THIS LICENSE SUPERSEDES THE PREVIOUSLY GRANTED LICENSE. PLEASE SEE SPECIAL CONDITION NUMBER 8 FOR THE CHANGE.