

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WH2XCB

(Call Sign)

0164-EX-CR-2018

(File Number)

NAME Advanced Lancaster, LP

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(j) of the Commission's Rules

Station Locations

(1) Lititz (LANCASTER), PA - NL 40-06-58; WL 76-17-37

Frequency Information

Lititz (LANCASTER), PA - NL 40-06-58; WL 76-17-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1575 MHz	FX	24M0G1D	31.6 pW (ERP)	10 %

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) GPS re-radiators are limited to a maximum ERP value that will result in power levels not to exceed a power spectral density of -140 dBm/24 MHz measured at a distance of 100 ft outside the building of operation. Any malfunction, misalignment, or tampering of the equipment or its location which results in an increased power spectral density outside the building could cause harmful radio frequency interference to GPS receivers, including those in aircraft and/or ground based facilities.
- (3) Licensee shall post signs on doors to the test area notifying that, "GPS re-radiator is in use and the GPS information you receive may be in error."
- (4) The test equipment shall only be used indoors and shall be under the control of the licensee.

This authorization effective June 01, 2018 and
will expire 3:00 A.M. EST April 01, 2020

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COMMUNICATIONS
COMMISSION**



Special Conditions:

- (5) The designated point-of-contact to terminate transmissions if interference occurs is Joel Glover at 717-735-5179