

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

EXPERIMENTAL

(Nature of Service)

WF2XVK

(Call Sign)

XT      FX

(Class of Station)

0332-EX-CR-2017

(File Number)

NAME Textron Aviation, 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(g) of the Commission's Rules

Station Locations

- (1) Wichita (SEDGWICK), KS - NL 37-38-39; WL 97-25-03
- (2) Wichita (SEDGWICK), KS - NL 37-38-37; WL 97-25-03

Frequency Information

Wichita (SEDGWICK), KS - NL 37-38-39; WL 97-25-03

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 1575.42 MHz | FX            | 24M0G1D             | 100 pW (ERP)     |                           |

Wichita (SEDGWICK), KS - NL 37-38-37; WL 97-25-03

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 1575.42 MHz | FX            | 24M0G1D             | 100 pW (ERP)     |                           |

This authorization effective August 01, 2017 and  
will expire 3:00 A.M. EST August 01, 2019

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (1) 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.
- (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.
- (4) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) The designated point-of-contacts to terminate transmissions if interference occurs are  
Doug Best Phone: 316-249-1844  
Danny Hankins Phone: 620-332-0432 Cell: 316-249-1860
- (6) Textron Aviation, Inc. 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."
- (7) Operation is limited to activity for the purpose of testing radionavigation satellite service (RNSS) equipment and systems.
- (8) The test equipment shall only be used indoors and shall be under the control of the Textron Aviation, Inc.
- (9) GPS users in the potential interference area to GPS reception must be notified that GPS information may be impacted for periods of time.