

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

EXPERIMENTAL

(Nature of Service)

WF2XYP

(Call Sign)

XT      FX

(Class of Station)

0002-EX-ML-2012

(File Number)

NAME The Boeing Company

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) Seattle (KING), WA - NL 47-31-24; WL 122-18-19
- (2) Seattle (KING), WA - NL 47-31-24; WL 122-18-17
- (3) Seattle (KING), WA - NL 47-31-25; WL 122-18-15
- (4) Seattle (KING), WA - NL 47-31-24; WL 122-18-10

Frequency Information

Seattle (KING), WA - NL 47-31-24; WL 122-18-19

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 1227.6 MHz  | FX            | 24M0G1D             | 8.7096 pW (ERP)  |                           |
| 1575.42 MHz | FX            | 24M0G1D             | 30.8318 pW (ERP) |                           |

This authorization effective January 11, 2012 and  
will expire 3:00 A.M. EST December 28, 2013

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Seattle (KING), WA - NL 47-31-24; WL 122-18-17

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 1227.6 MHz  | FX            | 24M0G1D             | 8.7096 pW (ERP)  |                           |
| 1575.42 MHz | FX            | 24M0G1D             | 30.8318 pW (ERP) |                           |

Seattle (KING), WA - NL 47-31-25; WL 122-18-15

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 1227.6 MHz  | FX            | 24M0G1D             | 8.7096 pW (ERP)  |                           |
| 1575.42 MHz | FX            | 24M0G1D             | 30.8318 pW (ERP) |                           |

Seattle (KING), WA - NL 47-31-24; WL 122-18-10

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 1227.6 MHz  | FX            | 24M0G1D             | 8.7096 pW (ERP)  |                           |
| 1575.42 MHz | FX            | 24M0G1D             | 30.8318 pW (ERP) |                           |

## 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 station identification requirements of Section 5.115 of the Commission's Rules are waived.

**Special Conditions:**

- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Operation is limited to activity for the purpose of testing radionavigation satellite service (RNSS) equipment and systems.
- (5) The test equipment shall only be used indoors and shall be under the control of Boeing Company.
- (6) Boeing Company 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) The designated point-of-contact to terminate transmissions if interference occurs is Mr. David Harder (206) 245-7253.
- (8) EIRP is no greater than -140 dBm/24 NHZ at 100 feet.