

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

EXPERIMENTAL

(Nature of Service)

XT      FX

(Class of Station)

WF2XQA

(Call Sign)

0099-EX-ML-2016

(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) Everett (SNOHOMISH), WA - NL 47-55-16; WL 122-16-42

Frequency Information

Everett (SNOHOMISH), WA - NL 47-55-16; WL 122-16-42

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 30-72 MHz     | FX            | NON                 | 10 uW (ERP)      |                           |
| 76-168 MHz    | FX            | NON                 | 10 uW (ERP)      |                           |
| 169-172 MHz   | FX            | NON                 | 10 uW (ERP)      |                           |
| 173.5-608 MHz | FX            | NON                 | 10 uW (ERP)      |                           |

This authorization effective May 17, 2016 and  
will expire 3:00 A.M. EST April 01, 2018

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Everett (SNOHOMISH), WA - NL 47-55-16; WL 122-16-42

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 614-1164 MHz    | FX            | N0N                 | 10 uW (ERP)      |                           |
| 1189-1215 MHz   | FX            | N0N                 | 10 uW (ERP)      |                           |
| 1240-1367 MHz   | FX            | N0N                 | 10 uW (ERP)      |                           |
| 1394-1400 MHz   | FX            | N0N                 | 10 uW (ERP)      |                           |
| 1427-1559 MHz   | FX            | N0N                 | 10 uW (ERP)      |                           |
| 1610-1660.5 MHz | FX            | N0N                 | 10 uW (ERP)      |                           |
| 1668.4-1820 MHz | FX            | N0N                 | 10 uW (ERP)      |                           |
| 1830-2690 MHz   | FX            | N0N                 | 10 uW (ERP)      |                           |
| 2700-2705 MHz   | FX            | N0N                 | 10 uW (ERP)      |                           |
| 2715-2770 MHz   | FX            | N0N                 | 10 uW (ERP)      |                           |

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|---------------|---------------|---------------------|------------------|---------------------------|
| 2780-3650 MHz | FX            | N0N                 | 10 uW (ERP)      |                           |
| 3700-4700 MHz | FX            | N0N                 | 10 uW (ERP)      |                           |
| 4730-4760 MHz | FX            | N0N                 | 10 uW (ERP)      |                           |
| 4790-4990 MHz | FX            | N0N                 | 10 uW (ERP)      |                           |
| 5000-7125 MHz | FX            | N0N                 | 10 uW (ERP)      |                           |
| 7125-7512 MHz | FX            | N0N                 | 10 uW (ERP)      |                           |
| 7538-7655 MHz | FX            | N0N                 | 10 uW (ERP)      |                           |
| 7675-7752 MHz | FX            | N0N                 | 10 uW (ERP)      |                           |
| 7778-7857 MHz | FX            | N0N                 | 10 uW (ERP)      |                           |
| 7883-8165 MHz | FX            | N0N                 | 10 uW (ERP)      |                           |

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| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 8185-8272 MHz   | FX            | N0N                 | 10 uW (ERP)      |                           |
| 8298-10600 MHz  | FX            | N0N                 | 10 uW (ERP)      |                           |
| 10700-15350 MHz | FX            | N0N                 | 10 uW (ERP)      |                           |
| 15400-18000 MHz | FX            | N0N                 | 10 uW (ERP)      |                           |

## Special Conditions:

- (1) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, [executivedir@sbe.org](mailto:executivedir@sbe.org); information, [www.sbe.org](http://www.sbe.org).
- (2) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (3) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (4) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (5) Assignment in frequency band 960-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Northwest Coordinator, Seattle, WA. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Northwest Coordinator, Seattle, WA, as necessary to ensure compatibility with existing uses.
- (6) 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.
- (7) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

**Special Conditions:**

- (8) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to its authorization with the Area Frequency Coordinator (AFC), who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with AFC, as necessary to ensure compatibility with existing uses.
- (9) The designated point-of-contact to terminate the transmissions if interference occurs is Daniel Griffith 425-245-2043.
- (10) Licensee must get consent from EBS/BRS and AWS licensees in the immediate geographic area prior to conducting the test.
- (11) Operation is subject prior coordination with FAA Northwest Regional Office, 1601 Lind Avenue, S.W. Renton, Washington 98055, and Phone: 206-227-2464.
- (12) Operation is NOT PERMITTED using the following frequency bands:
  - 240.6725 - 240.7000 MHz
  - 242.9875 - 243.0125 MHz
  - 253.9970 - 254.0030 MHz
  - 256.6945 - 256.7055 MHz
  - 272.8725 - 272.9000 MHz
  - 281.9970 - 282.0030 MHz
  - 328.1970 - 328.2030 MHz
  - 328.6000 - 335.4000 MHz
  - 384.6570 - 384.6680 MHz
  - 386.1570 - 386.1680 MHz
  - 386.5195 - 386.5305 MHz
  - 386.7570 - 386.7680 MHz
  - 386.9070 - 386.9180 MHz
  - 387.1945 - 387.2055 MHz
  - 388.0320 - 388.0430 MHz
  - 396.1570 - 396.1680 MHz
  - 396.5195 - 396.5305 MHz
  - 396.7570 - 396.7680 MHz
  - 396.9070 - 396.9180 MHz
  - 398.0320 - 398.0430 MHz
  - 406.0000 - 406.1000 MHz
  - 755.0000 - 776.0000 MHz
  - 788.0000 - 805.0000 MHz
- (13) Operation is NOT PERMITTED using the frequency band 758-776 MHz and 788-806 MHz.