

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

EXPERIMENTAL
(Nature of Service)

WF2XQA
(Call Sign)

XT FX
(Class of Station)

0004-EX-CR-2020
(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	N0N	10 uW (ERP)	
76-168 MHz	FX	N0N	10 uW (ERP)	
169-172 MHz	FX	N0N	10 uW (ERP)	
173.5-608 MHz	FX	N0N	10 uW (ERP)	

This authorization effective April 01, 2020 and
will expire 3:00 A.M. EST April 01, 2022

**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)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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)	

Frequency Information

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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) 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.
- (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) One or more frequency assignments were coordinated prior to authorization with FAA Headquarters, 800 Independence Avenue, S.W., Washington, DC 20591; Telephone: 202-267-8699.
- (4) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (5) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (6) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (7) 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.
- (8) 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; information, www.sbe.org.

Special Conditions:

- (9) 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.
- (10) The designated point-of-contact to terminate the transmissions if interference occurs is Stephen Henning, 206-544-8386/206-949-4469 and Omar Zubi, 206-390-8493.
- (11) Licensee must get consent from EBS/BRS and AWS licensees in the immediate geographic area prior to conducting the test.
- (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
- (13) Operation is NOT PERMITTED using the frequency band 758-776 MHz and 788-806 MHz.