

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WF2XVA

(Call Sign)

0175-EX-CR-2019

(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(k) of the Commission's Rules

Station Locations

(1) Glasgow (VALLEY), MT - NL 48-25-18; WL 106-31-42

Frequency Information

Glasgow (VALLEY), MT - NL 48-25-18; WL 106-31-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30-74.6 MHz	FX	N0N	20 W (ERP)	
75.4-107.9 MHz	FX	N0N	20 W (ERP)	
137-225 MHz	FX	N0N	20 W (ERP)	
400-405 MHz	FX	N0N	20 W (ERP)	

This authorization effective July 01, 2019 and
will expire 3:00 A.M. EST July 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Glasgow (VALLEY), MT - NL 48-25-18; WL 106-31-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
407-412 MHz	FX	N0N	20 W (ERP)	
417-932 MHz	FX	N0N	20 W (ERP)	
935-941 MHz	FX	N0N	20 W (ERP)	
944-959 MHz	FX	N0N	20 W (ERP)	
1427-1435 MHz	FX	N0N	20 W (ERP)	
1535-1545 MHz	FX	N0N	20 W (ERP)	
1610-1645.5 MHz	FX	N0N	20 W (ERP)	
1668.4-1710 MHz	FX	N0N	20 W (ERP)	
1847-2700 MHz	FX	N0N	20 W (ERP)	
3100-4200 MHz	FX	N0N	20 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-5000 MHz	FX	N0N	20 W (ERP)	
5250-5600 MHz	FX	N0N	20 W (ERP)	
5650-7125 MHz	FX	N0N	20 W (ERP)	
8500-9000 MHz	FX	N0N	20 W (ERP)	
9200-9300 MHz	FX	N0N	20 W (ERP)	
9500-14523 MHz	FX	N0N	20 W (ERP)	
15322-15700 MHz	FX	N0N	20 W (ERP)	
16200-18000 MHz	FX	N0N	20 W (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with the Associated Public Safety Communications Officers, Inc. (APCO); ATTN: Director of Frequency Coordination; 351 North Williamson Blvd.; Daytona Beach, FL 32114-1112; Telephone: (386) 322-2500.
- (2) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to its authorization with AFMO CONUS, Ft. Sam Houston, TX, 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 AFMO CONUS, Ft. Sam Houston, TX, as necessary to ensure compatibility with existing uses.

Special Conditions:

- (3) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (4) 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.
- (5) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (6) Operations subject to coordination prior to activation and, as appropriate, possible scheduling with FAA WSA Office.
- (7) Licensee must notch out all frequencies per FAA prior coordination and is subject to immediate shut down in the event of any harmful interference.
- (8) Operation is NOT PERMITTED in the frequency 75.2 -75.4 MHz, 156.775-156.825 MHz, 161.95-162.05 MHz, 608-614 MHz, and 15350-15400 MHz.
- (9) Licensee must get consent from Advanced Wireless Service licensees prior to operation on 1710-1755 MHz, 1915-1920 MHz, 1995-2000 MHz, 2020-2025 MHz, and 2110-2180 MHz.
- (10) Licensee must get consent from EBS/BRS licensees prior to operation on 2500-2690 MHz.
- (11) Maintain separation from grandfathered earth stations as defined in Part 90 subpart Z, or coordinate an agreement with the grandfathered earth station licensees prior to operation on 3650-3700 MHz.
- (12) Consult the ULS database to ensure that the operations will not cause harmful interference to any existing registered stations in the 3650-3700 MHz, and notify registered users in the area prior to operation on 3650-3700 MHz.
- (13) Licensee must coordinate with the local SBE coordinator and with the existing and future Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d) prior to operation on the rest of the proposed frequencies/frequency bands.
- (14) The licensee shall not constrain or limit the present or future growth of non-Federal and Federal radio services in the area of operation. Furthermore, the licensee shall:
(1.) be responsible for remedying RF interference caused to non-Federal and Federal users including terminating transmissions if necessary to resolve interference, (2.) maintain a transmission log as a standard operating procedure, (3.) periodically check the FCC licensing databases to monitor the authorizations granted in the area of operation, and (4.) notify appropriate the FCC Field Office(s) of the test locations and duration of operation.
Matt Williams, Desk 425-342-5891/Cell# 360-813-4038
James Skala, Desk 425-266-5671/Cell# 425-876-0740
- (15) The designated point-of-contact to terminate transmission if interference occurs is Keith Harbo at 425-342-3554 (office)/425-238-2206 (cell)
Matt Williams at 425-342-5891 (office)/360-813-4038 (cell) and
James Skala at 425-266-5671 (office)/425-876-0740 (cell).
- (16) The bands 2310-2320 MHz and 2345-2360 MHz have been reallocated on a primary basis to the Wideband Communications Service (WCS). Additional coordination with WCS is required.

Special Conditions:

- (17) Operation is NOT permitted using the frequency band 755-776 MHz and 788-806 MHz
- (18) Boeing must coordinate with Aerospace and Flight Test Radio Coordinating Council prior to operate 1435-1525 MHz, 2310-2320 MHz and 2345-2360 MHz for the renewal of license.
- (19) Operation is a subject to obtain consent from SIRUS XM radio. Inc. prior to operate the frequency band 2320-2345 MHz.
- (20) Operation is a subject to obtain consent from Global Star prior to operate the frequency band 2483-2501 MHz.