

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WF2XTI

(Call Sign)

0281-EX-CM-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(i) of the Commission's Rules

Station Locations

(1) San Antonio, TX - NL 29-22-10; WL 98-34-07

Frequency Information

San Antonio, TX - NL 29-22-10; WL 98-34-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30-72.9 MHz	FX	NON	1 W (ERP)	0.001 %
75.3-224.9 MHz	FX	NON	1 W (ERP)	0.001 %
328.7-335.3 MHz	FX	NON	1 W (ERP)	0.001 %
400-607.9 MHz	FX	NON	1 W (ERP)	0.001 %

This authorization effective November 15, 2019 and
will expire 3:00 A.M. EST July 03, 2020

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COMMISSION**



Frequency Information

San Antonio, TX - NL 29-22-10; WL 98-34-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
614.1-960 MHz	FX	N0N	1 W (ERP)	0.001 %
1189.1-1214.9 MHz	FX	N0N	1 W (ERP)	0.001 %
1240.1-1366.9 MHz	FX	N0N	1 W (ERP)	0.001 %
1394.1-1399.9 MHz	FX	N0N	1 W (ERP)	0.001 %
1427.1-1559 MHz	FX	N0N	1 W (ERP)	0.001 %
1610-1660.4 MHz	FX	N0N	1 W (ERP)	0.001 %
1668.5-2689.9 MHz	FX	N0N	1 W (ERP)	0.001 %
2700.1-2704.9 MHz	FX	N0N	1 W (ERP)	0.001 %
2715.1-2769.9 MHz	FX	N0N	1 W (ERP)	0.001 %
2780.1-3649.9 MHz	FX	N0N	1 W (ERP)	0.001 %

Frequency Information

San Antonio, TX - NL 29-22-10; WL 98-34-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700.1-4989.9 MHz	FX	NON	1 W (ERP)	0.001 %
5000.1-10679.9 MHz	FX	NON	1 W (ERP)	0.001 %
10701-15349.9 MHz	FX	NON	1 W (ERP)	0.001 %
15401-18000 MHz	FX	NON	1 W (ERP)	0.001 %

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.
- (3) Licensee must be made aware that the bands, 1695-1710 MHz, 1755 MHz-1780 MHz and 2155-2180 MHz, are in the AWS 3 band to be licensed in the Commission's current auction proceedings. This license authorization can potentially be impacted as a result of the proceedings and licensee is advised to use another band for long term operation.
- (4) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (5) 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.
- (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) Operation is NOT permitted on these frequencies: 163.1250, 164.4250 and 163.3625 MHz.
- (9) The stop buzzer, point-of-contact, Stephen Henning, 206-544-8386; Robyn Hunter, 206-679-5645; Ken Gilliam, 425-569-9351 and Omar Zubi, 206-390-8493 must be present during testing to turn off equipment if interference is cause to federal operations in the area.
- (10) Operation is subject to prior coordination with Auxiliary Broadcasting, Fixed Microwave and Wireless Communications Service licensees.
- (11) Operation in the 1850-1990 and 2130-2200 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (12) Licensee must get consent from existing Advanced Wireless Service (AWS) and Broadband Radio Services/Educational Broadband Services (BRS/EBS) licensees.
- (13) Operation is NOT PERMITTED use the following frequency bands: 108 -137 MHz, 162.542 - 162.558 MHz, 165.721 - 165.729 MHz, 170.746 - 170.754 MHz, 329.8 - 330.5 MHz, 330.65 - 334.6 MHz, 413.5875 - 413.6125 MHz, 755 - 776 MHz, 788 - 806 MHz, 960 - 1163.9 MHz, 1201.5 - 1202.5 MHz, 1559 - 1610 MHz, 4200 - 4400 MHz, 5620 - 5630 MHz, 7125 - 8500 MHz and 9000 - 9200 MHz.
- (14) Operation is subject to prior coordination with the FAA Central Regional Office, 601 East 12TH ST., Kansas City, Missouri 64106, ATTN: Frequency Management Office, phone: 816-426-5647, as necessary to ensure compatibility with existing uses.
- (15) Use of the frequency or band under the authority of this assign is subject to further coordination with FAA Southwest coordinator, Ft. Worth, Texas, as necessary to ensure compatibility with existing uses.