

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WF2XTH

(Call Sign)

0328-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(i) of the Commission's Rules

Station Locations

(1) St. Charles (ST CHARLES), MO - NL 38-55-36; WL 90-25-24

Frequency Information

St. Charles (ST CHARLES), MO - NL 38-55-36; WL 90-25-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
451-459 MHz	FX	NON	2.9 W (ERP)	
471-589 MHz	FX	NON	2.9 W (ERP)	
615-959 MHz	FX	NON	3.8 W (ERP)	
1238-1400 MHz	FX	NON	5.8 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

St. Charles (ST CHARLES), MO - NL 38-55-36; WL 90-25-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1851-1999 MHz	FX	N0N	8.417 W (ERP)	
3700-4009 MHz	FX	N0N	8.814 W (ERP)	
4191-4999 MHz	FX	N0N	11.096 W (ERP)	
5901-5999 MHz	FX	N0N	14.294 W (ERP)	
6421-7129 MHz	FX	N0N	18.414 W (ERP)	
7661-8409 MHz	FX	N0N	21.142 W (ERP)	
12191-15449 MHz	FX	N0N	35.088 W (ERP)	
16200-50000 MHz	FX	N0N	38.473 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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

Special Conditions:

- (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) 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) Operation is subject to prior coordination with the FAA Central Regional Office, 601 East 12th St., Kansas City, Missouri 64106, ATTN: Frequency Management Office: PH 816-426-5647.
- (7) Operation is NOT PERMITTED using the following frequency bands: 460-470 MHz, 608-614MHz, 756-805 MHz, 1221-1238 MHz, 1400-1426 MHz, 1559-1619 MHz, 4200-4400 MHz and 15600-16200 MHz.
- (8) The designated point-of-contact to terminate transmissions if interference occurs is John Vortmeier at 636-250-3814.
- (9) Operation is subject prior coordination with microwave users and consent of PCS licensees to avoid interference.
- (10) Upon renewal, the frequency band 1221-1400 MHz needs to start 1238-1400 MHz and Boeing would have to submit with a new FAA coordination number.