

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

EXPERIMENTAL

(Nature of Service)

WJ2XUJ

(Call Sign)

XT FX

(Class of Station)

0366-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(h) of the Commission's Rules

Station Locations

(1) Ridley Park (DELAWARE), PA - NL 39-51-36; WL 75-19-15

Frequency Information

Ridley Park (DELAWARE), PA - NL 39-51-36; WL 75-19-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	FX	11M3V1D	0.03 W (ERP)	
1090 MHz	FX	11M3V1D	0.03 W (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.

This authorization effective August 24, 2020 and
will expire 3:00 A.M. EST September 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) Tests to be conducted using direct connect method whenever possible, if radiation type testing is used when shielding to be used as much as possible.
- (5) Max radiated power allowed is 0.03 W ERP (or may choose a limit of 0.03W transmitter peak power).
- (6) If radiation type testing is performed modes 4 and 5 are not allowed, only modes 1,2,3/A, C, S and ADS-B are allowed for radiated testing.
- (7) Radiation testing will be performed for a max period of 15 seconds followed by a period of at least 60 seconds of quiet.
- (8) Radiation tests must be coordinated with local ATC.
- (9) If radiation test is performed and the transponder is in air mode then Modes C, S, and ADS-B out must report an altitude that is at least 600 FT BGL or 90K FT AGL, or if the transponder is in ground mode then Modes C, S, ADS-B must report an altitude of GL.
- (10) Stop Buzzers are Neil Blaho at 610-591-6478 and Dan McNeil at 714-642-7485.
- (11) Operation is used on noninterference basis.