

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WF2XBZ

(Call Sign)

0193-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) El Segundo (LOS ANGELES), CA - NL 33-55-45; WL 118-23-17

Frequency Information

El Segundo (LOS ANGELES), CA - NL 33-55-45; WL 118-23-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3625-3700 MHz	FX	N0N	14297 W (ERP)	0.001 %
3700-4200 MHz	FX	N0N	14297 W (ERP)	0.001 %
10915-10955 MHz	FX	N0N	72652 W (ERP)	0.001 %
11450-12200 MHz	FX	N0N	72652 W (ERP)	0.001 %

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

El Segundo (LOS ANGELES), CA - NL 33-55-45; WL 118-23-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12200-12750 MHz	FX	NON	72652 W (ERP)	0.001 %

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Operation must be maintain separation from the incumbent, grandfathered fixed satellite service earth stations as defined in Part 90, Subpart Z.
- (4) Ensure that the proposed experimental operation will not cause harmful interference to any existing registered stations using the 3650-3700 MHz band and notify registered users in the area.
- (5) Operation is subject to prior coordination with Fixed Point to Point and Multiple Address System licensees in the immediate area.
- (6) Prior to activation, licensee must coordinate with other users as necessary to minimize interference.
- (7) The Stop Buzzer, Robert Zingher 310-662-9882 (Office), 310-236-0056 (Mobile) and 310-438-0690 (Pager) must be available during testing to terminate transmissions if interference occurs.
- (8) Prior to activation, licensee must coordinate with Western Area Frequency Coordinator (760) 939-6832/6948.
- (9) Operation is subject to prior coordination with existing and future Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d) prior to utilizing the proposed frequency bands, 3700-4200 MHz, 10915-10955 MHz, 11450-12200 MHz and 12200-12750 MHz.
- (10) Ensure that the transmitting base station antenna(s) tip down when possible and avoid point towards the horizon in order to protect satellite earth stations nearby.