

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

EXPERIMENTAL
(Nature of Service)

WL2XOZ
(Call Sign)

XT FX MO
(Class of Station)

0149-EX-CN-2021
(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(c) of the Commission's Rules

Station Locations

- (1) Ridley Park (DELAWARE), PA - NL 39-51-36; WL 75-19-15; MOBILE: Air Operations
5000 ft, Ridley Park, PA, within 15 km, centered around NL 39-51-36; WL 75-19-15

Frequency Information

Ridley Park (DELAWARE), PA - NL 39-51-36; WL 75-19-15; MOBILE: Air Operations 5000 ft, Ridley Park, PA, within 15 km, c

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
806-824 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E 12K5F1E	5 W (ERP)	
851-869 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E 12K5F1E	5 W (ERP)	

This authorization effective April 14, 2021 and
will expire 3:00 A.M. EST April 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Ridley Park (DELAWARE), PA - NL 39-51-36; WL 75-19-15; MOBILE: Air Operations 5000 ft, Ridley Park, PA, within 15 km, c

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
869-902 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E 12K5F1E	5 W (ERP)	
935-941 MHz	MO	5K00F3E 8K33F3E 12K5F3E 25K0F3E 12K5F1E	5 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) 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.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Operation is not permitted using any Public Safety frequencies.
- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by USAF, Contract Number FA8739-18-C-5030. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.

Special Conditions:

- (6) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 100 miles of the contours of the testing area:
- SMR/ESMR licensees (809-824 MHz/854-869 MHz)
 - B/ILT licensees (809-824 MHz/854-869 MHz)
 - Cellular licensees (824-849 MHz/869-894 MHz)
 - Commercial Air-Ground licensee (849-851 MHz/894-896 MHz)
 - SMR licensees (896-901 MHz/935-940 MHz)
 - B/ILT licensees (896-901 MHz/935-940 MHz)
 - Narrowband PCS licensees (901-902/930-931/940-941 MHz)
- (7) WTB/Mobility Division does NOT authorize airborne use of the Cellular frequencies (824-849 MHz/869-894 MHz) due to an explicit airborne prohibition in the rules.
- (8) Stop Buzzer, Neil Blaho at 610-591-6478.