

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WF2XFX

(Call Sign)

0017-EX-CR-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(i) of the Commission's Rules

Station Locations

- (1) MOBILE: Ground to 5000 feet Smartt Field, St Charles, MO, within 25 km, centered around NL 38-56-02; WL 90-25-25

Frequency Information

MOBILE: Ground to 5000 feet Smartt Field, St Charles, MO, within 25 km, centered around NL 38-56-02; WL 90-25-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-450 MHz	MO	20M0G1W	3.68 W (ERP)	
1700-1755 MHz	MO	13M2G1D	12.2 W (ERP)	
2200-2310 MHz	MO	13M2G1D	9.68 W (ERP)	
2390-2500 MHz	MO	13M2G1D 20M0G1W 21M0W7D	9.68 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Ground to 5000 feet Smartt Field, St Charles, MO, within 25 km, centered around NL 38-56-02; WL 90-25-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2390-2500 MHz	MO	3M00G1D 2M44W7D	9.68 W (ERP)	
2400-2483.6 MHz	MO	20M0G1W	2.32 W (ERP)	
2400-2500 MHz	MO	3M00G1D 2M44W7D	1.9 W (ERP)	
2400-2495 MHz	MO	21M0D7W	485 mW (ERP)	
5670-5700 MHz	MO	20M0P0N	30 W (ERP)	
5725-5875 MHz	MO	5M00F1D	1.9 W (ERP)	
5725-5801 MHz	MO	21M0D7W	385 mW (ERP)	

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 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.

Special Conditions:

- (4) Licensee must get consents from Advanced Wireless Service licensees in the applicable geographic areas, and coordinate with Fixed Microwave licensees to prevent interference with fixed point to point paths and with possible Temporary Fixed/Mobile point-to-point paths.
- (5) During transmission, aircraft shall NOT exceed the altitude 0050, AGL.
- (6) Operation is NOT permitted using the frequency band 1755-1850 MHz due to potential interference to Federal operations.
- (7) The designated point-of-contact to terminate transmissions if interference should occur is: Thomas D. Rice, at (314) 323-7394.