

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WF2XMG

(Call Sign)

0471-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) Portland (MULTNOMAH), OR - NL 45-34-49; WL 122-36-47

Frequency Information

Portland (MULTNOMAH), OR - NL 45-34-49; WL 122-36-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.001-100000 kHz	FX	NON	50 W (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.
- (4) The Stop Buzzer is Stephen Henning, (Office)206/544-8386, (Cell)206/949-4469 and Christopher Thomas, (Office)425/237-9543, (Cell)206/390-1367, must be available during testing.

This authorization effective November 01, 2021 and
will expire 3:00 A.M. EST November 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (5) Operation is subject to prior coordination with FAA Headquarters, 800 Independence Avenue, S.W., Washington, DC 20591; Telephone 202-267-8699.
- (6) The test will be conducted inside of an aircraft hanger, with all door closed.
- (7) Experimental use is secondary to, and must not interfere with, Flight Test operations.
- (8) Licensee must coordinate with other users as necessary to minimize interference.
- (9) Renewal of this License is subject to prior coordination with AFTRCC Frequency Advisory Committee, www.aftrcc.org
- (10) Operation is not permitted using the Standard Frequency/ Time Signal and International Broadcast frequencies.
- (11) Operation is NOT PERMITTED using the frequency bands 190-435 KHz, 255-384 KHz, 510-535 KHz, 73 -75.4 MHz, 101-121.45 MHz, and 121.925-156.75 MHz.
- (12) Operation is NOT PERMITTED using the following frequency bands:
 - 59.00-61.00 kHz
 - 2495.00-2505.00 kHz
 - 3400.00-3500.00 kHz
 - 4650.00-4700.00 kHz
 - 4995.00-5005.00 kHz
 - 5450.00-5680.00 kHz
 - 6525.00-6685.00 kHz
 - 8815.00-8965.00 kHz
 - 9995.00-10100.00 kHz
 - 11275.00-11400.00 kHz
 - 13260.00-13360.00 kHz
 - 14990.00-15010.00 kHz
 - 17900.00-17970.00 kHz
 - 19990.00-20010.00 kHz
 - 21924.00-22000.00 kHz
 - 24990.00-25010.00 kHz