

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

EXPERIMENTAL
(Nature of Service)

WG2XMA
(Call Sign)

XT FX
(Class of Station)

0012-EX-CR-2017
(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) Everett (SNOHOMISH), WA - NL 47-54-22; WL 122-16-53
- (2) Renton (KING), WA - NL 47-29-35; WL 122-12-56
- (3) Marana (PINAL), AZ - NL 32-30-35; WL 111-19-21

Frequency Information

Everett (SNOHOMISH), WA - NL 47-54-22; WL 122-16-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
76-152 MHz	FX	NON	1 mW (ERP)	
328.6-335.4 MHz	FX	NON	1 mW (ERP)	
947-1228 MHz	FX	NON	1 mW (ERP)	
1515-1645 MHz	FX	NON	1 mW (ERP)	

This authorization effective March 31, 2017 and
will expire 3:00 A.M. EST April 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Everett (SNOHOMISH), WA - NL 47-54-22; WL 122-16-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4185-4415 MHz	FX	N0N	1 mW (ERP)	

Renton (KING), WA - NL 47-29-35; WL 122-12-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
76-152 MHz	FX	N0N	1 mW (ERP)	
328.6-335.4 MHz	FX	N0N	1 mW (ERP)	
947-1228 MHz	FX	N0N	1 mW (ERP)	
1515-1645 MHz	FX	N0N	1 mW (ERP)	
4185-4415 MHz	FX	N0N	1 mW (ERP)	

Marana (PINAL), AZ - NL 32-30-35; WL 111-19-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
76-152 MHz	FX	N0N	1 mW (ERP)	

Frequency Information

Marana (PINAL), AZ - NL 32-30-35; WL 111-19-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
328.6-335.4 MHz	FX	N0N	1 mW (ERP)	
947-1228 MHz	FX	N0N	1 mW (ERP)	
1515-1645 MHz	FX	N0N	1 mW (ERP)	
4185-4415 MHz	FX	N0N	1 mW (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) 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) Operation is NOT PERMITTED using the frequency bands: 108-137 MHz, 977-979 MHz and 4200-4400 MHz.
- (5) Operation is subject to prior coordination with FAA Northwest Regional Office, 1601 Lind Avenue, S.W. Renton, Washington 98055. Phone 206-227-2464.
- (6) Operation is subject to prior coordination with FAA Western Regional Office, P.O. Box 92007, World Way Center, Los Angeles, California 90009, ATTN: Frequency Management Office, Phone: 310-297-1872.
- (7) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the Area Frequency Coordinator (AFC), who also coordinated it, as appropriate, with Aerospace and Flight Test Radio coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC, as necessary to ensure compatibility with existing uses.
- (8) Licensee is authorized to use the frequency band 108-137 MHz in Marana, AZ for this experiment.

Special Conditions:

- (9) The designated point-of-contact to terminate the system if having interference occurs is Ryan L. Carlson at (206) 662-3902.