

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WF2XNQ

(Call Sign)

0183-EX-RR-2014

(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) Kent (KING), WA - NL 47-25-06; WL 122-15-16

Frequency Information

Kent (KING), WA - NL 47-25-06; WL 122-15-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
26-72.9 MHz	FX	N0N	24.5 mW (ERP)	
75.3-107.9 MHz	FX	N0N	24.5 mW (ERP)	
137.1-224.9 MHz	FX	N0N	24.5 mW (ERP)	
400-608 MHz	FX	N0N	16.6 mW (ERP)	

This authorization effective August 14, 2014 and
will expire 3:00 A.M. EST December 26, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Kent (KING), WA - NL 47-25-06; WL 122-15-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
614-977 MHz	FX	N0N	16.6 mW (ERP)	
979-1020 MHz	FX	N0N	16.6 mW (ERP)	
1040-1080 MHz	FX	N0N	16.6 mW (ERP)	
1100-1164 MHz	FX	N0N	16.6 mW (ERP)	
1189-1215 MHz	FX	N0N	16.6 mW (ERP)	
1240-1367 MHz	FX	N0N	16.6 mW (ERP)	
1394-1400 MHz	FX	N0N	16.6 mW (ERP)	
1427-1559 MHz	FX	N0N	16.6 mW (ERP)	
1610-1660.5 MHz	FX	N0N	16.6 mW (ERP)	
1668.4-2200 MHz	FX	N0N	35.9 mW (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2290-2319 MHz	FX	N0N	35.9 mW (ERP)	
2346-2690 MHz	FX	N0N	35.9 mW (ERP)	
2700-2705 MHz	FX	N0N	50.6 mW (ERP)	
2715-2770 MHz	FX	N0N	50.6 mW (ERP)	
2780-3000 MHz	FX	N0N	50.6 mW (ERP)	
3000-3650 MHz	FX	N0N	6.35 mW (ERP)	
3700-4200 MHz	FX	N0N	6.35 mW (ERP)	
4400-4990 MHz	FX	N0N	6.35 mW (ERP)	
5000-5250 MHz	FX	N0N	6.35 mW (ERP)	
5250-6000 MHz	FX	N0N	6.35 mW (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6000-10000 MHz	FX	N0N	2.55 mW (ERP)	
10000-10680 MHz	FX	N0N	1.07 mW (ERP)	
10700-14000 MHz	FX	N0N	1.07 mW (ERP)	
14000-15350 MHz	FX	N0N	0.85 mW (ERP)	
15400-18000 MHz	FX	N0N	0.85 mW (ERP)	

Special Conditions:

- (1) Assignment in frequency band 960-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Northwest Coordinator, Seattle, WA. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Northwest Coordinator, Seattle, WA, as necessary to ensure compatibility with existing uses.
- (2) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to its authorization with AFMO CONUS, Ft. Sam Houston, TX, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with AFMO CONUS, Ft. Sam Houston, TX, as necessary to ensure compatibility with existing uses.
- (3) Operation is subject to prior coordination with the Associated Public Safety Communications Officers, Inc. (APCO); ATTN: Director of Frequency Coordination; 351 North Williamson Blvd.; Daytona Beach, FL 32114-1112; Telephone: (386) 322-2500.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) 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.

Special Conditions:

- (6) 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.
- (7) Licensee must get consent from Education Broadband Services and Broadband Radio Services licensees and coordinate with the Fixed Microwave licensees prior to conducting the experiment.
- (8) Operation is subject to prior coordination with FAA Northwest Regional Office, 1601 Lind Avenue, S.W. Renton, WA 98055-4056; Telephone 206-227-2464.
- (9) The designated point-of-contact to terminate transmissions if interference occurs is Blaine Smith, 253-657-9475.
- (10) Operation is NOT PERMITTED using the frequency band 328.6-335.4 MHz, 756-776 MHz, 788-806 MHz, 977-979 MHz, 1020-1040 MHz, 1080-1100 MHz, 2200-2290 MHz, 4200-4400 MHz in this experiment.
- (11) Transmission must be limited to 0-90 degrees reference to true North.