

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WD2XNX

(Call Sign)

0091-EX-ML-2011

(File Number)

NAME BOEING COMPANY, THE

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(g) of the Commission's Rules

Station Locations

(1) Algona (KING), WA - NL 47-16-33; WL 122-14-23

Frequency Information

Algona (KING), WA - NL 47-16-33; WL 122-14-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
800.00000000-1164.45000000 MHz	FX	NON	334.000000 mW (ERP)	
1188.45000000-1215.59000000 MHz	FX	NON	334.000000 mW (ERP)	
1.29800000-1.50700000 GHz	FX	NON	500.000000 mW (ERP)	
1.62500000-1.66100000 GHz	FX	NON	608.000000 mW (ERP)	

This authorization effective April 26, 2011 and
will expire 3:00 A.M. EST December 31, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Algona (KING), WA - NL 47-16-33; WL 122-14-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.85000000-1.91000000 GHz	FX	N0N	804.000000 mW (ERP)	
1.93000000-1.99000000 GHz	FX	N0N	873.000000 mW (ERP)	
2.16000000-2.24000000 GHz	FX	N0N	1106.000000 mW (ERP)	
2.24600000-2.25500000 GHz	FX	N0N	1120.000000 mW (ERP)	
2.36000000-3.01400000 GHz	FX	N0N	2002.000000 mW (ERP)	
3.24000000-3.36000000 GHz	FX	N0N	2488.000000 mW (ERP)	
3.54000000-4.11000000 GHz	FX	N0N	3722.000000 mW (ERP)	
4.29000000-4.48000000 GHz	FX	N0N	1966.000000 mW (ERP)	
4.72000000-5.48000000 GHz	FX	N0N	2941.000000 mW (ERP)	
6.58000000-6.70000000 GHz	FX	N0N	4396.000000 mW (ERP)	

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7.23800000-7.37000000 GHz	FX	0H00N0N	5319.000000 mW (ERP)	
9.30000000-9.63100000 GHz	FX	N0N	3525.000000 mW (ERP)	
9.83400000-9.85600000 GHz	FX	N0N	3692.000000 mW (ERP)	
9.87000000-10.05000000 GHz	FX	N0N	3839.000000 mW (ERP)	
10.55000000-10.57000000 GHz	FX	N0N	4246.000000 mW (ERP)	
11.33000000-12.70000000 GHz	FX	N0N	6130.000000 mW (ERP)	
13.16000000-13.43000000 GHz	FX	N0N	4416.000000 mW (ERP)	
16.98000000-17.02000000 GHz	FX	N0N	7092.000000 mW (ERP)	
17.88000000-18.27000000 GHz	FX	N0N	8172.000000 mW (ERP)	
18.68000000-18.72000000 GHz	FX	N0N	8580.000000 mW (ERP)	

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19.18000000-19.22000000 GHz	FX	N0N	9044.000000 mW (ERP)	
19.67000000-19.71000000 GHz	FX	N0N	9511.000000 mW (ERP)	
20.60000000-21.80000000 GHz	FX	N0N	11635.000000 mW (ERP)	
22.66000000-23.98000000 GHz	FX	N0N	14079.000000 mW (ERP)	
24.38000000-24.42000000 GHz	FX	N0N	14600.000000 mW (ERP)	
25.47000000-25.53000000 GHz	FX	N0N	15958.000000 mW (ERP)	
26.82000000-26.88000000 GHz	FX	N0N	10060.000000 mW (ERP)	
28.77000000-28.83000000 GHz	FX	N0N	11572.000000 mW (ERP)	
30.90000000-31.30000000 GHz	FX	N0N	15365.000000 mW (ERP)	
31.80000000-33.22000000 GHz	FX	N0N	15365.000000 mW (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.96000000-34.04000000 GHz	FX	NON	16133.000000 mW (ERP)	
35.75000000-36.54000000 GHz	FX	NON	18589.000000 mW (ERP)	
36.57000000-36.63000000 GHz	FX	NON	18681.000000 mW (ERP)	
38.36000000-38.44000000 GHz	FX	NON	20573.000000 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) 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.
- (5) Testing on 4290-4480 MHz shall not interfere with the operations of altimeters and avoid pointing antennas in the upwards direction.
- (6) Operation is NOT PERMITTED on the frequency band 1201.5-1202.5 MHz.
- (7) Operation in the band 3650-3700 MHz requires consent of grandfathered satellite earth stations in accordance with 47 CFR, Part 90.1331(a)(1), (a)(2) and (a)(3).