

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WF2XRW

(Call Sign)

0057-EX-PL-2011

(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: 42,000 Feet AGL Flight Level, Seattle, WA, within 400 km, centered around
NL 47-30-57; WL 122-17-42

Frequency Information

MOBILE: 42,000 Feet AGL Flight Level, Seattle, WA, within 400 km, centered around NL 47-30-57; WL 122-17-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30-74.6 MHz	MO	10K4F3E 13K2F3E	58 W (ERP)	
75.4-87.975 MHz	MO	10K4F3E 13K2F3E	58 W (ERP)	
141.175 MHz	MO	10K4F3E 13K2F3E	58 W (ERP)	

This authorization effective April 13, 2011 and
will expire 3:00 A.M. EST April 01, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: 42,000 Feet AGL Flight Level, Seattle, WA, within 400 km, centered around NL 47-30-57; WL 122-17-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
142.6 MHz	MO	10K4F3E 13K2F3E	58 W (ERP)	
143.75 MHz	MO	10K4F3E 13K2F3E	58 W (ERP)	
230.475 MHz	MO	8K20A3E 10K4F3E 13K2F3E	120.8 W (ERP)	
241.525 MHz	MO	8K20A3E 10K4F3E 13K2F3E	120.8 W (ERP)	
280.2 MHz	MO	8K20A3E 10K4F3E 13K2F3E	120.8 W (ERP)	
286 MHz	MO	8K20A3E 10K4F3E 13K2F3E	120.8 W (ERP)	
291.4 MHz	MO	100KA1D	38.6 W (ERP)	
304.95 MHz	MO	8K20A3E 10K4F3E	120.8 W (ERP)	

Frequency Information

MOBILE: 42,000 Feet AGL Flight Level, Seattle, WA, within 400 km, centered around NL 47-30-57; WL 122-17-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
304.95 MHz	MO	13K2F3E	120.8 W (ERP)	
321.5 MHz	MO	8K20A3E 10K4F3E 13K2F3E	120.8 W (ERP)	
344.8 MHz	MO	8K20A3E 10K4F3E 13K2F3E	120.8 W (ERP)	
358.2 MHz	MO	8K20A3E 10K4F3E 13K2F3E	120.8 W (ERP)	
372.4 MHz	MO	8K20A3E 10K4F3E 13K2F3E	120.8 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 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:

- (5) Operation is NOT PERMITTED use of the frequency band 74.6-74.8 MHz and 75.2-75.4 MHz due to potential interference to Federal Government operations.
- (6) The designated point-of-contact to terminate transmissions if interference occurs is Will Wicks at 253-657-9464.