

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

EXPERIMENTAL
(Nature of Service)

WF2XAO
(Call Sign)

XT MO
(Class of Station)

0173-EX-ML-2012
(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: Area bounded by NL 38-00-00; WL 125-30-00; NL 38-00-00; WL 128-30-00; NL 30-00-00; WL 122-00-00; NL 30-00-00; WL 119-00-00
- (2) MOBILE: Klamath Falls, OR, within 40 km, centered around NL 42-09-22; WL 121-43-59
- (3) MOBILE: Aircraft, PC
- (4) MOBILE: Glasgow, MT, within 40 km, centered around NL 48-25-18; WL 106-31-42
- (5) MOBILE: Victorville, CA, within 65 km, centered around NL 34-35-16; WL 117-22-31

Frequency Information

MOBILE: Area bounded by NL 38-00-00; WL 125-30-00; NL 38-00-00; WL 128-30-00; NL 30-00-00; WL 122-00-00; NL 30-00-00; WL 119-00-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-849 MHz	MO	N0N 300KG7W	2 W (ERP)	
824-849 MHz	MO	5M00G7W	316 mW (ERP)	
880-915 MHz	MO	N0N	2 W (ERP)	

This authorization effective February 05, 2013 and
will expire 3:00 A.M. EST June 01, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Area bounded by NL 38-00-00; WL 125-30-00; NL 38-00-00; WL 128-30-00; NL 30-00-00; WL 122-00-00; NL 30-00-00; WL 119-00-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-915 MHz	MO	300KG7W	2 W (ERP)	
880-915 MHz	MO	5M00G7W	316 mW (ERP)	
1710-1755 MHz	MO	N0N 300KG7W	1 W (ERP)	
1710-1755 MHz	MO	5M00G7W	316 mW (ERP)	
1850-1910 MHz	MO	N0N 300KG7W	1 W (ERP)	
1850-1910 MHz	MO	5M00G7W	316 mW (ERP)	
1920-1980 MHz	MO	N0N 5M00G7W	316 mW (ERP)	

MOBILE: Klamath Falls, OR, within 40 km, centered around NL 42-09-22; WL 121-43-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-849 MHz	MO	N0N 300KG7W	2 W (ERP)	

Frequency Information

MOBILE: Klamath Falls, OR, within 40 km, centered around NL 42-09-22; WL 121-43-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-849 MHz	MO	5M00G7W	316 mW (ERP)	
880-915 MHz	MO	N0N 300KG7W	2 W (ERP)	
880-915 MHz	MO	5M00G7W	316 mW (ERP)	
1710-1755 MHz	MO	N0N 300KG7W	1 W (ERP)	
1710-1755 MHz	MO	5M00G7W	316 mW (ERP)	
1850-1910 MHz	MO	N0N 300KG7W	1 W (ERP)	
1850-1910 MHz	MO	5M00G7W	316 mW (ERP)	
1920-1980 MHz	MO	N0N 5M00G7W	316 mW (ERP)	

Frequency Information

MOBILE: Aircraft, PC

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-849 MHz	MO	N0N 300KG7W	2 W (ERP)	
824-849 MHz	MO	5M00G7W	316 mW (ERP)	
880-915 MHz	MO	N0N 300KG7W	2 W (ERP)	
880-915 MHz	MO	5M00G7W	316 mW (ERP)	
1710-1755 MHz	MO	N0N 300KG7W	1 W (ERP)	
1710-1755 MHz	MO	5M00G7W	316 mW (ERP)	
1850-1910 MHz	MO	N0N 300KG7W	1 W (ERP)	
1850-1910 MHz	MO	5M00G7W	316 mW (ERP)	
1920-1980 MHz	MO	N0N 5M00G7W	316 mW (ERP)	

Frequency Information

MOBILE: Glasgow, MT, within 40 km, centered around NL 48-25-18; WL 106-31-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-849 MHz	MO	N0N 300KG7W	2 W (ERP)	
824-849 MHz	MO	5M00G7W	316 mW (ERP)	
880-915 MHz	MO	N0N 300KG7W	2 W (ERP)	
880-915 MHz	MO	5M00G7W	316 mW (ERP)	
1850-1910 MHz	MO	N0N 300KG7W	1 W (ERP)	
1850-1910 MHz	MO	5M00G7W	316 mW (ERP)	
1920-1980 MHz	MO	N0N 5M00G7W	316 mW (ERP)	

MOBILE: Victorville, CA, within 65 km, centered around NL 34-35-16; WL 117-22-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-849 MHz	MO	N0N	2 W (ERP)	

Frequency Information

MOBILE: Victorville, CA, within 65 km, centered around NL 34-35-16; WL 117-22-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-849 MHz	MO	300KG7W	2 W (ERP)	
824-849 MHz	MO	5M00G7W	316 mW (ERP)	
880-915 MHz	MO	5M00G7W	2 W (ERP)	
880-915 MHz	MO	5M00G7W	316 mW (ERP)	
1710-1755 MHz	MO	N0N 300KG7W	1 W (ERP)	
1710-1755 MHz	MO	5M00G7W	316 mW (ERP)	
1850-1910 MHz	MO	N0N 300KG7W	1 W (ERP)	
1850-1910 MHz	MO	5M00G7W	316 mW (ERP)	
1920-1980 MHz	MO	N0N 5M00G7W	316 mW (ERP)	

Special Conditions:

- (1) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (5) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (6) All aircrafts participating in this experiment shall be US-registered vessels.
- (7) The designated point-of-contact to terminate transmissions if interference occurs is Steve Uhrich at 206-650-2147.
- (8) Operation is NOT permitted on the frequency band 1710 MHz to 1785 MHz in the Glasgow, MT area due to cause harmful interference to federal operations.
- (9) Operation is NOT permitted on the frequency band 1755 MHz to 1785 MHz in all other areas.
- (10) Licensee must coordinate with Western Area Frequency Coordinator at (760) 939-6948 prior to operation the frequency band 880-915 MHz and 1710-1755 MHz in Victorville, CA.