

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

EXPERIMENTAL

(Nature of Service)

WF2XUQ

(Call Sign)

XT FX MO

(Class of Station)

0078-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: Flight Level up 25,000 feet AGL, Victorville, CA, within 65 km, centered around NL 34-35-16; WL 117-22-31
- (2) San Antonio, TX - NL 29-22-35; WL 98-34-29
- (3) Charleston, SC - NL 32-52-48; WL 80-02-02
- (4) MOBILE: Rectangular area bounded by 38N Lat, 125 30W Long; 38N Lat, 128 30W Long; 30N Lat, 122W Long; 30N Lat, 119W Long
- (5) MOBILE: Rectangular area bounded by 27 12 56N Lat, 92 48 45W Long; 25 6 41.27N Lat, 93 31 9.44W Long; 25 6 41.27N Lat, 86 27 57.83W Long; 27 12 56N Lat, 86 5 33.11W Long
- (6) MOBILE: Rectangular area bounded by 32 30N Lat, 76W Long; 32 30N Lat, 73W Long; 26 30N Lat, 70W Long; 26 30N Lat, 73W Long

Frequency Information

MOBILE: Flight Level up 25,000 feet AGL, Victorville, CA, within 65 km, centered around NL 34-35-16; WL 117-22-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-430 MHz	FX	NON	243.2 uW (ERP)	
460-470 MHz	FX	NON	243.2 uW (ERP)	

This authorization effective May 24, 2012 and
will expire 3:00 A.M. EST December 01, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
488.8-496 MHz	FX	N0N	243.2 uW (ERP)	
810-826 MHz	MO	N0N	4 mW (ERP)	
832-894 MHz	FX	N0N	6.18 mW (ERP)	
915-960 MHz	FX	N0N	1.6 mW (ERP)	
1805-1880 MHz	FX	N0N	12.3 mW (ERP)	
1930-1990 MHz	FX	N0N	12.3 mW (ERP)	
2110-2170 MHz	FX	N0N	9.9 mW (ERP)	
2620-2690 MHz	FX	N0N	9.9 mW (ERP)	

San Antonio, TX - NL 29-22-35; WL 98-34-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-430 MHz	FX	N0N	243.2 uW (ERP)	

Frequency Information

San Antonio, TX - NL 29-22-35; WL 98-34-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
460-470 MHz	FX	N0N	243.2 uW (ERP)	
488.8-496 MHz	FX	N0N	243.2 uW (ERP)	
810-826 MHz	FX	N0N	4 mW (ERP)	
832-894 MHz	FX	N0N	6.18 mW (ERP)	
915-960 MHz	FX	N0N	1.6 mW (ERP)	
1805-1880 MHz	FX	N0N	12.3 mW (ERP)	
1930-1990 MHz	FX	N0N	12.3 mW (ERP)	
2110-2170 MHz	FX	N0N	9.9 mW (ERP)	
2620-2690 MHz	FX	N0N	9.9 mW (ERP)	

Frequency Information

Charleston, SC - NL 32-52-48; WL 80-02-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-430 MHz	FX	N0N	243.2 uW (ERP)	
460-470 MHz	FX	N0N	243.2 uW (ERP)	
488.8-496 MHz	FX	N0N	243.2 uW (ERP)	
810-826 MHz	FX	N0N	4 mW (ERP)	
832-894 MHz	FX	N0N	6.18 mW (ERP)	
915-960 MHz	FX	N0N	1.6 mW (ERP)	
1805-1880 MHz	FX	N0N	12.3 mW (ERP)	
1930-1990 MHz	FX	N0N	12.3 mW (ERP)	
2110-2170 MHz	FX	N0N	9.9 mW (ERP)	
2620-2690 MHz	FX	N0N	9.9 mW (ERP)	

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420-430 MHz	FX	N0N	243.2 uW (ERP)	
460-470 MHz	FX	N0N	243.2 uW (ERP)	
488.8-496 MHz	FX	N0N	243.2 uW (ERP)	
810-826 MHz	FX	N0N	4 mW (ERP)	
832-894 MHz	FX	N0N	6.18 mW (ERP)	
915-960 MHz	FX	N0N	1.6 mW (ERP)	
1805-1880 MHz	FX	N0N	12.3 mW (ERP)	
1930-1990 MHz	FX	N0N	12.3 mW (ERP)	
2110-2170 MHz	FX	N0N	9.9 mW (ERP)	
2620-2690 MHz	MO	N0N	9.9 mW (ERP)	

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488.8-496 MHz	FX	N0N	243.2 uW (ERP)	
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915-960 MHz	FX	N0N	1.6 mW (ERP)	
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1930-1990 MHz	FX	N0N	12.3 mW (ERP)	
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2110-2170 MHz	FX	N0N	9.9 mW (ERP)	
2620-2690 MHz	MO	N0N	9.9 mW (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (3) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (4) 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.
- (5) 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.
- (6) Licensee must coordinate with Western Area Frequency Coordinator (760) 939-6948 prior to activation.
- (7) The use of public safety frequencies list under rule CFR 47 Section 90.20 is prohibited.
- (8) The designated point-of-contact to terminate transmission if interference occurs is Kenneth Kirchoff (425) 681-3802 and Harold Deremer (425) 443-4989.