

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

EXPERIMENTAL

(Nature of Service)

WF2XBI

(Call Sign)

XT FX

(Class of Station)

0019-EX-ML-2010

(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(l) of the Commission's Rules

Station Locations

- (1) Walla Walla, WA - NL 46-05-44; WL 118-17-17
- (2) Billings, MT - NL 45-48-42; WL 108-32-50
- (3) Colorado Springs, CO - NL 38-48-56; WL 104-42-34
- (4) Casper, WY - NL 42-54-22; WL 106-27-59
- (5) Cheyenne, WY - NL 41-09-20; WL 104-48-52
- (6) Edwards AFB, CA - NL 34-54-15; WL 117-54-34
- (7) Fargo, ND - NL 46-55-45; WL 96-49-41
- (8) Sioux Falls, SD - NL 43-34-44; WL 96-44-28
- (9) Great Falls, MT - NL 47-29-24; WL 111-21-04
- (10) Glasgow, MT - NL 48-25-07; WL 106-31-43
- (11) Everett (SNOHOMISH), WA - NL 47-55-30; WL 122-16-16
- (12) Mather, CA - NL 38-33-31; WL 121-17-54
- (13) Oakland, CA - NL 37-43-25; WL 122-13-00
- (14) Roswell, NM - NL 33-18-07; WL 104-32-17
- (15) Rapid City, SD - NL 44-02-09; WL 103-03-09
- (16) Sacramento, CA - NL 38-41-57; WL 121-35-09
- (17) Kennedy Space CTR, FL - NL 28-36-54; WL 80-41-40
- (18) Victorville, CA - NL 34-35-51; WL 117-22-59
- (19) Yakima, WA - NL 46-34-08; WL 120-32-02
- (20) Palmdale, CA - NL 34-37-31; WL 118-05-27

This authorization effective June 14, 2010 and
will expire 3:00 A.M. EST August 01, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Walla Walla, WA - NL 46-05-44; WL 118-17-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
113.225 MHz	FX	14K0G7D	50 W (ERP)	

Billings, MT - NL 45-48-42; WL 108-32-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
117.025 MHz	FX	14K0G7D	50 W (ERP)	

Colorado Springs, CO - NL 38-48-56; WL 104-42-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
112.725 MHz	FX	14K0G7D	50 W (ERP)	

Casper, WY - NL 42-54-22; WL 106-27-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
112.825 MHz	FX	14K0G7D	50 W (ERP)	

Frequency Information

Cheyenne, WY - NL 41-09-20; WL 104-48-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
114.025 MHz	FX	14K0G7D	50 W (ERP)	

Edwards AFB, CA - NL 34-54-15; WL 117-54-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
113.075 MHz	FX	14K0G7D	50 W (ERP)	

Fargo, ND - NL 46-55-45; WL 96-49-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
113.525 MHz	FX	14K0G7D	50 W (ERP)	

Sioux Falls, SD - NL 43-34-44; WL 96-44-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
115.425 MHz	FX	14K0G7D	50 W (ERP)	

Frequency Information

Great Falls, MT - NL 47-29-24; WL 111-21-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
112.225 MHz	FX	14K0G7D	50 W (ERP)	

Glasgow, MT - NL 48-25-07; WL 106-31-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
113.075 MHz	FX	14K0G7D	50 W (ERP)	

Everett (SNOHOMISH), WA - NL 47-55-30; WL 122-16-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
116.975 MHz	FX	14K0G7D	50 W (ERP)	

Mather, CA - NL 38-33-31; WL 121-17-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
117.525 MHz	FX	14K0G7D	50 W (ERP)	

Frequency Information

Oakland, CA - NL 37-43-25; WL 122-13-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
112.725 MHz	FX	14K0G7D	50 W (ERP)	

Roswell, NM - NL 33-18-07; WL 104-32-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
114.525 MHz	FX	14K0G7D	50 W (ERP)	

Rapid City, SD - NL 44-02-09; WL 103-03-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
115.025 MHz	FX	14K0G7D	50 W (ERP)	

Sacramento, CA - NL 38-41-57; WL 121-35-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
117.525 MHz	FX	14K0G7D	50 W (ERP)	

Frequency Information

Kennedy Space CTR, FL - NL 28-36-54; WL 80-41-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
116.825 MHz	FX	14K0G7D	10 W (ERP)	

Victorville, CA - NL 34-35-51; WL 117-22-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
117.625 MHz	FX	14K0G7D	50 W (ERP)	

Yakima, WA - NL 46-34-08; WL 120-32-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
112.125 MHz	FX	14K0G7D	50 W (ERP)	

Palmdale, CA - NL 34-37-31; WL 118-05-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
117.625 MHz	FX	14K0G7D	50 W (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Special Conditions:

- (3) Operation is subject to prior coordination with Western FAA Regional Office, P.O. Box 92007, Worldway Center, Los Angeles, CA 90009. ATTN: Frequency Management Office: PH: 310-297-1875.
- (4) The designated point-of-contact to terminate transmissions if interference occurs is Roger Friedman (206) 544-9493.
- (5) The ERP operation at Kennedy Space Center, Florida is NOT exceed 10 Watts.
- (6) The GBAS at Victorville (also on M117.625) and the GBAS at Palmdale cannot be on air at the same time.