

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

EXPERIMENTAL
(Nature of Service)

WE2XSO
(Call Sign)

XT FX MO
(Class of Station)

0293-EX-RR-2014
(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(d g) of the Commission's Rules

Station Locations

- (1) Renton (KING), WA - NL 47-29-35; WL 122-12-56; MOBILE: Renton Field, Renton, WA, centered around NL 47-29-35; WL 122-12-56
- (2) Seattle (KING), WA - NL 47-31-48; WL 122-18-07; MOBILE: Boeing Field, King County International Airport, Seattle, WA, centered around NL 47-31-48; WL 122-18-07
- (3) Everett (SNOHOMISH), WA - NL 47-54-22; WL 122-16-53; MOBILE: Everette, WA, centered around NL 47-54-22; WL 122-16-53

Frequency Information

Renton (KING), WA - NL 47-29-35; WL 122-12-56; MOBILE: Renton Field, Renton, WA, centered around NL 47-29-35; WL 12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	FX	14M0V1D 14M0K1D 6M00M1D	10 mW (ERP)	0.001 %
1090 MHz	FX	14M0V1D 14M0K1D 6M00M1D	10 mW (ERP)	0.001 %

This authorization effective October 30, 2014 and
will expire 3:00 A.M. EST November 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Seattle (KING), WA - NL 47-31-48; WL 122-18-07; MOBILE: Boeing Field, King County International Airport, Seattle, WA, cen

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	FX	14M0V1D 14M0K1D 6M00M1D	10 mW (ERP)	0.001 %
1090 MHz	FX	6M00M1D 14M0K1D 14M0V1D	10 mW (ERP)	0.001 %

Everett (SNOHOMISH), WA - NL 47-54-22; WL 122-16-53; MOBILE: Everett, WA, centered around NL 47-54-22; WL 122-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	FX	14M0V1D 14M0K1D 6M00M1D	10 mW (ERP)	0.001 %
1090 MHz	FX	6M00M1D 14M0K1D 14M0V1D	10 mW (ERP)	0.001 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) Use of these frequencies is subject to further coordination with the FAA Northwest Coordinator, Seattle, Washington, as necessary to ensure compatibility with existing uses.

Special Conditions:

- (4) The aircraft transponder antennas will be shielded, covered with a hat, or the transponder must be connected to the test set via cable or connected into a dummy load.
- (5) Prior to conducting tests using 1030 or 1090 MHz, the Boeing Company shall contact the Seattle ARTCC, TRACON or ATCT and provide them with the test times, location, and direct phone number to stop transmission if any inadvertent interference is observed.
- (6) The test procedures will be consistent with the procedures in FAA Advisory Circular 20-151A.
- (7) The designated point-of-contact to terminate transmissions if interference occurs is Ronald Center at 866-248-1493.
- (8) Mode C response must indicate an altitude below sea level or above 90K feet if the unit is not directly connected via cable to the receiver.