

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

EXPERIMENTAL
(Nature of Service)

WF2XDT
(Call Sign)

XT FX
(Class of Station)

0410-EX-CR-2017
(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) Mansfield, WA - NL 47-48-35; WL 119-38-10

Frequency Information

Mansfield, WA - NL 47-48-35; WL 119-38-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1090 MHz	FX	11M9V7D	250 W (ERP)	

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) Operation is subject to prior coordination with FAA Northwest Regional Office, 1601 Lind Avenue, S.W. Renton, Washington 98055 Phone 206-227-2464.
- (3) Licensee should be aware that other stations may be licensed on 1090 MHz and if any interference occurs, the licensee at this location will be subject to immediate shut down.
- (4) The designated point-of-contact to terminate transmission if interference occurs is Mr. Ron Center 206-544-6583

This authorization effective December 01, 2017 and
will expire 3:00 A.M. EST September 05, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (5) Altitude setting is required to be forced to either below sea level or above 90000 ft to prevent false TCAS alert from aircrafts flying nearby. Operation is subject to prior coordination with FAA ANM Office 425-227-2637. Forcing the altitude of the transponder above sea level can be done provided that the event is coordinated with and approved by the local FAA and ARTCC and lasts a very minimal amount of time. When attempting to cause the test aircraft false to receive false TCAS alerts, the transponder with the false altitude setting will not be turned on until the test aircraft establishes contact with the ground test site and is within 7 NM. The ground transponder then will be immediately shut off after the test aircraft receives the false alert or causing interference to other stations.
- (6) Licensee must pre-coordination with Seattle FAA office prior to turning on the equipment. Points of Contact are Vu Pham at 425-227-2480 and Dan O'Rear at 425-227-2637.