

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WK2XRC

(Call Sign)

1051-EX-CN-2019

(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) Seattle (KING), WA - NL 47-32-02; WL 122-18-53

Frequency Information

Seattle (KING), WA - NL 47-32-02; WL 122-18-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150-162 MHz	FX	11K0F3E 6K00A3E 16K0F3E 8K00F1E 8K00F1W	68 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.

This authorization effective January 29, 2020 and
will expire 3:00 A.M. EST February 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by DoD contract number FA8625-16-C-6599. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (4) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (5) The designated point-of-contact to terminate the systems if interference occurs is Larry Barstow at 206-662-7346.
- (6) Operation is not permitted the use of public safety frequencies in the requested band.
- (7) The Boeing Company must ensure transmission do not exceed from 1 km radius requested lat/long.
- (8) The Boeing Company must notch out the following:
 - a.M162.075 (+/-4 KHZ)
 - b.M151.04 (+/-8 KHZ)
 - c.M156.25 (+/-8 KHZ)
 - d.M156.6 (+/-8 KHZ)
 - e.M156.65 (+/-8 KHZ)
 - f.M156.7 (+/-8 KHZ)
 - g.M156.525 (+/-8 KHZ)
 - h.M156.8 (+/-8 KHZ)
 - i.M156.3 (+/-8 KHZ)
 - j.M157.05 (+/-8 KHZ)
 - k.M157.075 (+/-8 KHZ)
 - l.M157.1 (+/-8 KHZ)
 - m.M157.15 (+/-8 KHZ)
 - n.M157.175 (+/-8 KHZ)
 - o.M161.975 (+/-10 KHZ)
 - p.M162.025 (+/-10 KHZ)
 - q.M149.5375 (+/-5.5 KHZ)
 - r.M150.7 (+/-5.5 KHZ)
 - s.M159.270 (+/-12.5 KHZ)
 - t.M151.295 (+/-12.5 KHZ)
- (9) Operation is subject to prior coordination with the local Society of Broadcast Engineers frequency coordinator to protect the Broadcast Auxiliary Service operations.
- (10) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 50 miles of the contours of the testing area:
 - Paging Service licensees in 152 MHz
 - Paging Service licensees in 158 MHz
 - Paging Service licensees in 152 MHz/158 MHz
- (11) Operation is not permitted airborne use of the Part 22 Paging frequencies (35 MHz, 43 MHz, 152 MHz, 158 MHz and 931 MHz) due to an explicit airborne prohibition in WTB rules.