

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WN9XZO

(Call Sign)

1458-EX-ST-2019

(File Number)

NAME The BOEING Company

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

System Integration Testing in a lab environment.

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

This authorization effective September 02, 2019 and
will expire 3:00 A.M. EST March 03, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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) 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) Operation is subject to prior coordination with the local Society of Broadcast Engineers frequency coordinator to protect the Broadcast Auxiliary Service operations.
- (6) Operation is not permitted the use of public safety frequencies in the requested band.
- (7) 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
- (8) The Boeing Company must ensure transmission do not exceed from 1 km radius requested lat/long.
- (9) 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)
- (10) Future STA requests to extend this authorization will not be considered.