

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WN9XZO

(Call Sign)

0209-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	6K00A3E	68 W (ERP)	
		11K0F3E		
		16K0F3E		
		8K00F1E		
		8K00F1W		

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 March 01, 2019 and
will expire 3:00 A.M. EST September 02, 2019

**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) The authorized station must be in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules.
- (4) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (5) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (6) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (7) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (8) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing.
- (9) The designated point-of-contact to terminate the systems if interference occurs is Larry Barstow at 206-662-7346.
- (10) Operation is subject to prior coordination with the local Society of Broadcast Engineers frequency coordinator to protect the Broadcast Auxiliary Service operations.
- (11) Operation is not permitted the use of public safety frequencies in the requested band.
- (12) 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
- (13) The Boeing Company may not operate in the 162 - 174 MHz band. This band is extensively used for wild fire management during the time period requested.
- (14) The Boeing Company must notch out the following:
 - a. (+/- 5.5 kHz) 150.7 MHz
 - b. (+/- 8 kHz) 151.040 MHz, 156.600 MHz, 156.650 MHz, 156.700 MHz, 156.800 MHz, 161.975 MHz
 - c. (+/- 12.5 kHz) 150.225 MHz, 150.5625 MHz, 151.295 MHz, 159.270 MHz