

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WF9XEJ

(Call Sign)

0576-EX-ST-2011

(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:

To support field mapping inside airframe structure.

Station Locations

(1) Seattle (KING), WA - NL 47-31-56; WL 122-18-58

Frequency Information

Seattle (KING), WA - NL 47-31-56; WL 122-18-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
400-1166 MHz	FX	NON	10 uW (ERP)	
1186-1212.255 MHz	FX	NON	10 uW (ERP)	
1242.945-1375.75 MHz	FX	NON	10 uW (ERP)	

This authorization effective December 01, 2011 and
will expire 3:00 A.M. EST June 01, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Seattle (KING), WA - NL 47-31-56; WL 122-18-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1386.05-1400 MHz	FX	N0N	10 uW (ERP)	
1427-1549.4 MHz	FX	N0N	10 uW (ERP)	
1549.6-1559 MHz	FX	N0N	10 uW (ERP)	
1610-1660.5 MHz	FX	N0N	10 uW (ERP)	
1668.4-2690 MHz	FX	N0N	10 uW (ERP)	
2700-4990 MHz	FX	N0N	10 uW (ERP)	
5000-10680 MHz	FX	N0N	10 uW (ERP)	
10700-15350 MHz	FX	N0N	10 uW (ERP)	
15400-23600 MHz	FX	N0N	10 uW (ERP)	
24000-26000 MHz	FX	N0N	10 uW (ERP)	

Special Conditions:

- (1) This authorization does not include use of the 1910-1930 MHz band which has been designated for unlicensed PCS.
- (2) Assignment in frequency band 960-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Northwest Coordinator, Seattle, WA. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Northwest Coordinator, Seattle, WA, as necessary to ensure compatibility with existing uses.
- (3) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (4) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.
- (5) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (6) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (7) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (8) 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.
- (9) Operation in the 763-768 or 793-798 MHz band requires consent of the Public Safety Spectrum Trust Corporation (PSST) to avoid interference.
- (10) Operation in the 763-768 or 793-798 MHz band requires consent of 700 MHz waiver recipient(s), in areas where such waivers have been awarded, to avoid interference.
- (11) Operation is NOT permitted the following frequencies and the frequency bands:
 - 408.675 MHz +/- 6 kHz
 - 410.625 MHz +/- 6 kHz
 - 608 - 614 MHz
 - 1166 -1186 MHz
 - 1212.255 - 1242.945 MHz
 - 1375.75 - 1386.05 MHz
 - 1400 - 1427 MHz
 - 1549.4 - 1549.6 MHz
 - 1559 - 1610 MHz
 - 1660.5 - 1668.4 MHz
 - 2690 - 2700 MHz
 - 4990 - 5000 MHz
 - 10.68 - 10.7 GHz
 - 15.35 - 15.4 GHz
 - 23.6 - 24 GHz
- (12) The designated point-of-contact to terminate transmissions if interference occurs is Jason Bommer at 206-544-7515.