

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WK9XSX

(Call Sign)

1384-EX-ST-2016

(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 pre-production integration and test of the land based mobile SATCOM platform.

Station Locations

(1) Kent (KING), WA - NL 47-25-07; WL 122-15-11

Frequency Information

Kent (KING), WA - NL 47-25-07; WL 122-15-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7900-8400 MHz	FX		7317 W (ERP)	
		4M00M1D		
		9M00M1D		
		18M0M1D		
		54M0M1D		
		36M0M1D		
		54M0M1D		

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 January 09, 2017 and
will expire 3:00 A.M. EST May 21, 2017

**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 designated point-of-contact to terminate the system if interference occurs is Steve Harmon, 206-769-5606 and Mark Thorson, 206-697-2990.
- (4) All testing granted on an experimental basis shall be on an unprotected, non-interference basis to authorized AF stations.
- (5) All testing shall be limited to pre-production Integration and Testing of the land based mobile SATCOM platform in support of the Land 2072 Program for Boeing Defense Australia.
- (6) At least 3 days prior to testing, Boeing is required to provide AF (Jimmy Nguyen, Email: Jimmy.Nguyen@us.af.mil) and ARSTRAT (Travis Inghram, Email: Travis.j.Inghram.civ@mail.mil) with the following documents:
 - a) An approved Satellite Access Authorization (SAA) issues by USTRATCOM.
 - b) The actual RF testing parameters (e.g., frequency, EIRP, bandwidth/emission .. etc.) and terminal configuration.
 - c) Testing schedule/duration.
- (7) Boeing should be aware that the Coast Guard has multiple microwave systems in the frequency band throughout the Seattle area, on the following frequencies: 7955 MHz, 8030 MHz, 8130 MHz and 8235 MHz. Coast Guard utilizes directional microwave antennas and because of the distance between Coast Guard systems and Boeing's transmitters, the possibility of interference to Coast Guard systems is small. Since Stop Buzzer POC's are provided, Coast Guard will not object and utilize the stop buzzer if interference is experienced.
- (8) The following bands must not be utilized in order to protect safety of flight in and around Seattle:
8020-8030 MHz
8040-8050 MHz
8100-8120 MHz
8130-8140 MHz
8340-8350 MHz
8400-8410 MHz