

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

EXPERIMENTAL

(Nature of Service)

W12XWG

(Call Sign)

XT FX

(Class of Station)

0301-EX-CN-2017

(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) 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)	
		36M0M1D		
		4M00M1D		
		9M00M1D		
		18M0M1D		
		54M0M1D		
		54M0M1D		

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.
- (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.

This authorization effective May 26, 2017 and
will expire 3:00 A.M. EST June 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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