

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

EXPERIMENTAL

(Nature of Service)

WF2XWA

(Call Sign)

XT FX MO

(Class of Station)

0052-EX-CR-2016

(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) El Segundo (LOS ANGELES), CA - NL 33-55-42; WL 118-23-41; MOBILE: El Segundo, CA, centered around NL 33-55-42; WL 118-23-41

Frequency Information

El Segundo (LOS ANGELES), CA - NL 33-55-42; WL 118-23-41; MOBILE: El Segundo, CA, centered around NL 33-55-42; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4199 MHz	FX	200KG9D	2.44 W (ERP)	
4199.5 MHz	FX	200KG9D	2.44 W (ERP)	
5926.5 MHz	FX	1M30F9D	0.61 W (ERP)	
6422.5 MHz	FX	1M30F9D	0.61 W (ERP)	

This authorization effective November 27, 2016 and
will expire 3:00 A.M. EST December 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

El Segundo (LOS ANGELES), CA - NL 33-55-42; WL 118-23-41; MOBILE: El Segundo, CA, centered around NL 33-55-42; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
17770-18200 MHz	MO	N0N	1216623.4 W (ERP)	
18200-19700 MHz	MO	N0N	242748.3 W (ERP)	
19200-19700 MHz	MO	N0N	1216623.4 W (ERP)	
19700-20200 MHz	MO	N0N	242748.3 W (ERP)	
19700.5 MHz	FX	200KG9D	305.49 W (ERP)	
19702.5 MHz	FX	200KG9D	305.49 W (ERP)	
20200-21200 MHz	MO	N0N	1216623.4 W (ERP)	
27500-28000 MHz	FX	N0N	1216623.4 W (ERP)	
28000-29500 MHz	FX	N0N	242748.3 W (ERP)	
29000-29500 MHz	FX	N0N	1216623.4 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29465 MHz	FX	1M30F9D	0.61 W (ERP)	
29500-30000 MHz	FX	N0N	242748.3 W (ERP)	
29501 MHz	FX	1M30F9D	0.61 W (ERP)	
30000-31000 MHz	FX	N0N	1216623.4 W (ERP)	

Special Conditions:

- (1) POINT OF COMMUNICATION: INMARSAT Satellite
- (2) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 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.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) 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.
- (6) Operation is subject prior coordination with the Fixed Microwave Services licensees in accordance with 47 CFR, Part 101.103(d).
- (7) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Jerry Heffernan 310-364-6308 (Office)/ 310-343-3673 (Mobile).