

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

EXPERIMENTAL
(Nature of Service)

WG2XOH
(Call Sign)

XT FX MO
(Class of Station)

0108-EX-ML-2014
(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) China Lake (KERN), CA - NL 35-42-22; WL 117-41-15; MOBILE: Flight 37000 ft AGL, China Lake, CA, within 600 km
- (2) Yuma (YUMA), AZ - NL 32-39-13; WL 114-36-06; MOBILE: Flight 37000 ft AGL, Yuma, AZ, within 600 km, centered around NL 33-39-13; WL 114-36-06
- (3) Honolulu (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 37000 ft AGL, Honolulu, HI, within 600 km, centered around NL 21-20-35; WL 157-57-42

Frequency Information

China Lake (KERN), CA - NL 35-42-22; WL 117-41-15; MOBILE: Flight 37000 ft AGL, China Lake, CA, within 600 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30-74.6 MHz	FX	23K0F3E 18K6F1E 37K3F1E 53K0F1D 13K2F3E 5K00A3E 7K00A3E	28 W (ERP)	
30-74.6 MHz	MO	23K0F3E	28 W (ERP)	

This authorization effective June 24, 2014 and
will expire 3:00 A.M. EST July 01, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

China Lake (KERN), CA - NL 35-42-22; WL 117-41-15; MOBILE: Flight 37000 ft AGL, China Lake, CA, within 600 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30-74.6 MHz	MO	18K6F1E 37K3F1E 53K0F1D 13K2F3E 5K00A3E 7K00A3E	28 W (ERP)	
75.4-87.9925 MHz	FX	23K0F3E 18K6F1E 37K3F1E 53K0F1D 13K2F3E 5K00A3E 7K00A3E	28 W (ERP)	
75.4-87.9925 MHz	MO	13K2F3E 53K0F1D 37K3F1E 18K6F1E 23K0F3E 5K00A3E 7K00A3E	28 W (ERP)	
137.5-162 MHz	MO	23K0F3E 18K6F1E 37K3F1E 53K0F1D 13K2F3E 5K00A3E 7K00A3E	28 W (ERP)	

Frequency Information

China Lake (KERN), CA - NL 35-42-22; WL 117-41-15; MOBILE: Flight 37000 ft AGL, China Lake, CA, within 600 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
137.5-162 MHz	FX	23K0F3E 18K6F1E 37K3F1E 53K0F1D 13K2F3E 5K00A3E 7K00A3E	28 W (ERP)	

Yuma (YUMA), AZ - NL 32-39-13; WL 114-36-06; MOBILE: Flight 37000 ft AGL, Yuma, AZ, within 600 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30-74.6 MHz	FX	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D 5K00A3E 7K00A3E	28 W (ERP)	
30-74.6 MHz	MO	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D 5K00A3E 7K00A3E	28 W (ERP)	
75.4-87.9925 MHz	MO	18K6F1E 23K0F3E	28 W (ERP)	

Frequency Information

Yuma (YUMA), AZ - NL 32-39-13; WL 114-36-06; MOBILE: Flight 37000 ft AGL, Yuma, AZ, within 600 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
75.4-87.9925 MHz	MO	37K3F1E 13K2F3E 53K0F1D 5K00A3E 7K00A3E	28 W (ERP)	
75.4-87.9925 MHz	FX	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D 5K00A3E 7K00A3E	28 W (ERP)	
137.5-162 MHz	FX	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D 5K00A3E 7K00A3E	28 W (ERP)	
137.5-162 MHz	MO	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D 5K00A3E 7K00A3E	28 W (ERP)	

Frequency Information

Honolulu (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 37000 ft AGL, Honolulu, HI, within 600 km, centere

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30-74.6 MHz	FX	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D 5K00A3E 7K00A3E	28 W (ERP)	
30-74.6 MHz	MO	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D 5K00A3E 7K00A3E	28 W (ERP)	
75.4-87.9925 MHz	FX	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D 5K00A3E 7K00A3E	28 W (ERP)	
75.4-87.9925 MHz	MO	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D 5K00A3E	28 W (ERP)	

Frequency Information

Honolulu (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 37000 ft AGL, Honolulu, HI, within 600 km, centere

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
75.4-87.9925 MHz	MO	7K00A3E	28 W (ERP)	
137.5-162 MHz	MO	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D 5K00A3E 7K00A3E	28 W (ERP)	
137.5-162 MHz	FX	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D 5K00A3E 7K00A3E	28 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) 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.
- (4) The designated point-of-contact to terminate transmissions if interference occurs is Phil Tsiang at 253-657-8218, Mark Poad at 253-657-8265, Tom Ott at 253-657-7934 and Jahn Goede 206-544-2543
- (5) Operation is NOT PERMITTED using the frequency band 75.3-75.4 MHz.

Special Conditions:

- (6) Operations in the bands 157.1875 through 157.4375 MHz and 161.7875 through 162.0375 MHz must be coordinated with the market-based licensee for the proposed site. In addition, any intended operations on the frequencies 161.975 and/or 162.025 MHz must be coordinated with the U.S. Coast Guard.