

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

EXPERIMENTAL
(Nature of Service)

WH2XOC
(Call Sign)

XT FX MO
(Class of Station)

0060-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) China Lake (KERN), CA - NL 35-41-22; WL 117-41-15; MOBILE: Flight 37,000 ft AGL, China Lake, CA, within 600 km, centered around NL 35-41-22; WL 117-41-15
- (2) Yuma (YUMA), AZ - NL 32-39-13; WL 114-36-06; MOBILE: Flight 37,000 ft AGL, Yuma AZ, within 600 km, centered around NL 32-39-13; WL 114-36-06
- (3) Honolulu (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 37,000 ft AGL, Honolulu, HI, within 600 km, centered around NL 21-20-35; WL 157-57-42

Frequency Information

China Lake (KERN), CA - NL 35-41-22; WL 117-41-15; MOBILE: Flight 37,000 ft AGL, China Lake, CA, within 600 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2391-2495 MHz	FX	3M85G1D 7M70G1D 15M4G1D 4M60G1D 8M13G1D 16M3G1D	1532 W (ERP)	
2391-2495 MHz	MO	3M85G1D 7M70G1D	13 W (ERP)	

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

**FEDERAL
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Frequency Information

China Lake (KERN), CA - NL 35-41-22; WL 117-41-15; MOBILE: Flight 37,000 ft AGL, China Lake, CA, within 600 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2391-2495 MHz	MO	15M4G1D 4M60G1D 8M13G1D 16M3G1D	13 W (ERP)	

Yuma (YUMA), AZ - NL 32-39-13; WL 114-36-06; MOBILE: Flight 37,000 ft AGL, Yuma AZ, within 600 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2391-2495 MHz	FX	3M85G1D 7M70G1D 15M4G1D 4M60G1D 8M13G1D 16M3G1D	1532 W (ERP)	
2391-2495 MHz	MO	3M85G1D 7M70G1D 15M4G1D 4M60G1D 8M13G1D 16M3G1D	13 W (ERP)	

Honolulu (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 37,000 ft AGL, Honolulu, HI, within 600 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2391-2495 MHz	FX	3M85G1D 7M70G1D	1532 W (ERP)	

Frequency Information

Honolulu (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 37,000 ft AGL, Honolulu, HI, within 600 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2391-2495 MHz	FX	15M4G1D 4M60G1D 8M13G1D 16M3G1D	1532 W (ERP)	
2391-2495 MHz	MO	3M85G1D 7M70G1D 15M4G1D 4M60G1D 8M13G1D 16M3G1D	13 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) 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 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.
- (4) Boeing Company must coordinate with the local SBE frequency coordinator and the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d) in each proposed venue prior to accessing to the requested frequency bands.
- (5) The Boeing Company must notch out the following during operations in China Lake, CA and Yuma, AZ:
2400 - 2420 MHz
2443 - 2463 MHz
- (6) The Boeing Company must coordinate with (WAFC), Mr. J. Szelog at (760) 939-6948 prior to any California operations and with (JFMO PAC), Mr. Robert Marcial at (808-477-7239) prior to any Hawaiian operations to mitigate harmful interference to Navy and Marine Corps assignments. The Boeing Company must also comply with any and all restrictions that may be levied by WAFC and JFMO PAC.

Special Conditions:

- (7) Upon notification from the FCC, operation on this assignment is subject to immediate cessation, if it causes harmful interference to Navy operations assignments.