

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

EXPERIMENTAL
(Nature of Service)

WH2XBW
(Call Sign)

XT FX MO
(Class of Station)

0258-EX-ML-2015
(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) Edwards AFB (KERN), CA - NL 34-58-20; WL 117-52-03; MOBILE: Flight level 10,000 ft AGL, Edwards AFB, CA, within 300 km
- (2) Palmdale (LOS ANGELES), CA - NL 34-38-11; WL 118-05-51; MOBILE: Flight level 10,000 ft AGL, Palmdale, CA, within 300 km
- (3) MOBILE: Ground test, Tukwila, WA, within 50 km, centered around NL 47-31-58; WL 122-18-39

Frequency Information

Edwards AFB (KERN), CA - NL 34-58-20; WL 117-52-03; MOBILE: Flight level 10,000 ft AGL, Edwards AFB, CA, within 300

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.4-14.83 GHz	MO	21M0G1D 42M8G1D 64M0G1D 38M6G1D 89M5G1D 147MG1D	47 W (ERP)	
15.15-15.35 GHz	MO	147MG1D 21M0G1D	47 W (ERP)	

This authorization effective November 23, 2015 and
will expire 3:00 A.M. EST May 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Edwards AFB (KERN), CA - NL 34-58-20; WL 117-52-03; MOBILE: Flight level 10,000 ft AGL, Edwards AFB, CA, within 300

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.15-15.35 GHz	MO	42M8G1D 64M0G1D 38M6G1D 89M5G1D	47 W (ERP)	
16.2-17.3 GHz	MO	1M10W3N	34.2892 kW (ERP)	

Palmdale (LOS ANGELES), CA - NL 34-38-11; WL 118-05-51; MOBILE: Flight level 10,000 ft AGL, Palmdale, CA, within 300

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.4-14.83 GHz	MO	38M6G1D 64M0G1D 42M8G1D 21M0G1D 147MG1D 89M5G1D	47 W (ERP)	
15.23 GHz	MO	38M6G1D 64M0G1D 42M8G1D 21M0G1D	47 W (ERP)	
16.2-17.3 GHz	MO	1M10W3N	34.2892 kW (ERP)	

Frequency Information

MOBILE: Ground test, Tukwila, WA, within 50 km, centered around NL 47-31-58; WL 122-18-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.4-14.7145 GHz	MO	147MG1D	47 W (ERP)	
		21M0G1D		
		42M8G1D		
		64M0G1D		
		38M6G1D		
		89M5G1D		
15.15-15.35 GHz	MO	147MG1D	47 W (ERP)	
		21M0G1D		
		42M8G1D		
		64M0G1D		
		38M6G1D		
		89M5G1D		
16.2-17.3 GHz	MO	1M10W3N	34.2892 kW (ERP)	

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) Operation is NOT PERMITTED using the following frequency bands:
14.7145-15.1365 GHz in Tukwila, WA
- (4) Prior to activation, Boeing must coordination with Western Area Frequency Coordinator 760-939-6948.
- (5) Stop Buzzers: Kyle Bae (714) 896-2358 and Michael Foster (206) 766-4212.
- (6) Upon notification from the FCC, operation on this assignment is subject to immediate cessation, if it causes harmful interference to FAA assignments.