

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WH2XBW

(Call Sign)

0082-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) MOBILE: Flight level 10,000 ft AGL, Edwards AFB, CA, within 300 km, centered around NL 34-58-20; WL 117-52-03
- (2) MOBILE: Flight level 10,000 ft AGL, Palmdale, CA, within 300 km, centered around NL 34-38-11; WL 118-05-51
- (3) MOBILE: Ground test, Tukwila, WA, within 50 km, centered around NL 47-31-58; WL 122-18-39

Frequency Information

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

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

This authorization effective May 29, 2014 and
will expire 3:00 A.M. EST May 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

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

MOBILE: Flight level 10,000 ft AGL, Palmdale, CA, within 300 km, centered around NL 34-38-11; WL 118-05-51

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

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)	

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	21M0G1D	47 W (ERP)	
		42M8G1D		
		64M0G1D		
		38M6G1D		
		89M5G1D		
15.15-15.35 GHz	MO	147MG1D	47 W (ERP)	
		21M0G1D		
		42M8G1D		
		64M0G1D		
		38M6G1D		
16.2-17.3 GHz	MO	89M5G1D	34.2892 kW (ERP)	
		1M10W3N		

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) Operation is NOT PERMITTED using the following frequency bands:
14.7145-15.1365 GHz in Tukwila, WA
- (4) Prior to activation, Boeing must coordinate with Western Area Frequency Coordinator 760-939-6948.
- (5) Stop Buzzer, Jeff Sawatzky (206) 850-2720, Marty Pitts (206) 766-3964 and Michael Foster (206) 459-8605.
- (6) Operation is only permitted using the maximum bandwidth 64 MHz for the frequency 14.6 GHz and 15.23 GHz in Edward, CA and Palmdale, CA.