

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

EXPERIMENTAL

(Nature of Service)

WC2XVE

(Call Sign)

XD FX MO

(Class of Station)

0012-EX-ML-2009

(File Number)

NAME Boeing Company, The

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) Kent (KING), WA - NL 47-25-08; WL 122-15-10
- (2) Kent (KING), WA - NL 47-25-08; WL 122-15-10
- (3) MOBILE: CONUS, Alaska and Hawaii, plus international airspace
- (4) MOBILE: CONUS, including Alaska and Hawaii, plus international waters
- (5) MOBILE: CONUS, Alaska and Hawaii, U.S. Territories plus International Airspace

Frequency Information

Kent (KING), WA - NL 47-25-08; WL 122-15-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14000-14500 MHz	FX		24 kW (ERP)	
		6M75G7D		
		20M0G7D		
		24M3G7D		
		29M5G7D		
		32M4G7D		
		11M9G7D		

This authorization effective March 25, 2009 and
will expire 3:00 A.M. EST January 01, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Kent (KING), WA - NL 47-25-08; WL 122-15-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14000-14500 MHz	FX	6M75G7D 11M9G7D 20M0G7D 24M3G7D 29M5G7D 32M4G7D	26 kW (ERP)	

MOBILE: CONUS, Alaska and Hawaii, plus international airspace

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14000-14500 MHz	FX	6M75G7D 20M0G7D 24M3G7D 29M5G7D 32M4G7D 11M9G7D	24 kW (ERP)	

MOBILE: CONUS, including Alaska and Hawaii, plus international waters

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14000-14500 MHz	MO	11M9G7D 20M0G7D 24M3G7D 29M5G7D 32M4G7D 6M75G7D	7.2 kW (ERP)	

Frequency Information

MOBILE: CONUS, Alaska and Hawaii, U.S. Territories plus International Airspace

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14000-14500 MHz	MO	3M40G7D	24 kW (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 station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Licensee shall comply with the terms and conditions agreed upon and stated in the application file exhibit titled "International Bureau License Conditions"
- (5) Prior to operating in the 14.0-14.2 GHz frequency band, in the listed locations, Boeing will coordinate with National Aeronautics and Space Administration (NASA) and notify the Commission of the results of that coordination:
Within 125 km of the NASA TDRSS facilities in Guam (latitude 13° 36' 55" N, longitude 144° 51' 22" E) or,
Within 125 km of the NASA TDRSS facilities in White Sands, New Mexico (latitude 32° 20' 59" N, longitude 106° 36' 31" W and latitude 32° 32' 40" N, longitude 106°36' 48" W) or,
Within 125 km of the NASA TDRSS facilities in Blossom Point, Maryland (latitude 38° 25' 44" N, longitude 77°05' 20" W).
- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by U.S. Air Force Material Command ("AFMC") contract number F33657-01-D-0013. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.