

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WC2XVE

(Call Sign)

0021-EX-ML-2005

(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

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	24 kW (ERP)	
		20M0G7D		
		24M3G7D		
		29M5G7D		
		32M4G7D		
		11M9G7D		

This authorization effective April 07, 2005 and
will expire 3:00 A.M. EST November 01, 2005

**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)	

Special Conditions:

(1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) Prior to commencement of operations with each of AsiaSat 3S, Superbird-C and SESAT pursuant to this experimental license, Boeing shall obtain a certification regarding the notification of all satellite operators with co-frequency operations within 6 degrees longitude of each satellite, generally describing the experimental operations authorized herein, including the term thereof, and providing a point of contact for the purpose of resolving any complaints of interference. Boeing shall obtain a similar certification if, during the term of this experimental license, any of the satellites move orbit locations, or if a satellite operator commences co-frequency operations within 6 degrees longitude of each of the satellites. If the point of contact receives a complaint of harmful interference, the party receiving the complaint (if not Boeing) will notify Boeing, and Boeing shall immediately cease such operations or adjust such operations to avoid harmful interference. Boeing will submit a copy of these certification(s) to the Commission for incorporation into the record of this file.
- (4) In accordance with Article 4.4 of the ITU Radio Regulations, the operations authorized herein shall not cause harmful interference to, and shall not claim protection from harmful interference caused by, a station operating in accordance with the provisions of the ITU Constitution, the ITU Convention, and the ITU Radio Regulations.
- (5) POINT OF COMMUNICATION: ALLSATS Ku, AsiaSat 3S, Superbird-C and SESAT.
- (6) This license supercedes previous licenses for callsign WC2XVE and incorporates the authorized operations of the license granted for file number 0038-EX-ML-2003.
- (7) License is amended to permit the testing of 10 eXchange AES terminals in accordance with all previous conditions required for this authorization.
- (8) Licensee is required to file a PROGRESS REPORT every 6 months from the date of grant. This progress report shall be filed with Federal Communications Commission; Experimental Licensing Branch, MS 1300E1; 445 12 Street, S.W.; Washington, DC 20554. Report copies shall also be included with any future licensing application filed with the Commission's International Bureau.