

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)

0002-EX-ML-2004

(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) 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

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)	
14000-14500 MHz	FX	20M0G7D	24 kW (ERP)	
14000-14500 MHz	FX	24M3G7D	24 kW (ERP)	
14000-14500 MHz	FX	29M5G7D	24 kW (ERP)	
14000-14500 MHz	FX	32M4G7D	24 kW (ERP)	
14000-14500 MHz	FX	11M9G7D	24 kW (ERP)	

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	26 kW (ERP)	
14000-14500 MHz	FX	11M9G7D	26 kW (ERP)	
14000-14500 MHz	FX	20M0G7D	26 kW (ERP)	

This authorization effective January 13, 2004 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	24M3G7D	26 kW (ERP)	
14000-14500 MHz	FX	29M5G7D	26 kW (ERP)	
14000-14500 MHz	FX	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	11M9G7D	24 kW (ERP)	
14000-14500 MHz	FX	32M4G7D	24 kW (ERP)	
14000-14500 MHz	FX	29M5G7D	24 kW (ERP)	
14000-14500 MHz	FX	24M3G7D	24 kW (ERP)	
14000-14500 MHz	FX	20M0G7D	24 kW (ERP)	
14000-14500 MHz	FX	6M75G7D	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) 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: 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.