

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WC2XVE

(Call Sign)

0038-EX-ML-2003

(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: CONUS, Alaska and Hawaii, plus international airspace
- (2) MOBILE: CONUS, Alaska and Hawaii, plus international airspace

Frequency Information

MOBILE: CONUS, Alaska and Hawaii, plus international airspace

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14-14.5 GHz	MO	20M0G7D	24 kW (ERP)	
14-14.5 GHz	MO	24M3G7D	24 kW (ERP)	
14-14.5 GHz	MO	11M9G7D	24 kW (ERP)	
14-14.5 GHz	MO	29M5G7D	24 kW (ERP)	
14-14.5 GHz	MO	32M4G7D	24 kW (ERP)	

MOBILE: CONUS, Alaska and Hawaii, plus international airspace

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14000-14500 MHz	MO	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.

This authorization effective August 18, 2003 and
will expire 3:00 A.M. EST April 01, 2004

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) POINT OF COMMUNICATION: ALLSATS Ku, EUTELSAT Atlantic Bird 2, and EUTELSAT II-F4.
- (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) Prior to commencement of operations with each of EUTELSAT Atlantic Bird 2 and EUTELSAT II-F4 pursuant to this experimental license, Boeing shall obtain a certification from EUTELSAT that EUTELSAT has notified all satellite operators with co-frequency operations within 6 degrees longitude of each of EUTELSAT Atlantic Bird 2 and EUTELSAT II-F4, 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 from EUTELSAT if, during the term of this experimental license, EUTELSAT Atlantic Bird 2 or EUTELSAT II-F4 move orbit locations, or if a satellite operator commences co-frequency operations within 6 degrees longitude of each of EUTELSAT Atlantic Bird 2 and EUTELSAT II-F4. 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 EUTELSAT's certification(s) to the Commission for incorporation into the record of this file.