

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WC2XVE

(Call Sign)

0356-EX-ST-2003

(File Number)

NAME The Boeing Company

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Testing and evaluation of the Aeronautical Mobile-Satellite Service antenna systems and services.

Station Locations

- (1) Kent - phased array (KING), WA - NL 47-25-08; WL 122-15-10
- (2) Kent - reflector (KING), WA - NL 47-25-08; WL 122-15-10

Frequency Information

Kent - phased array (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)	

This authorization effective September 29, 2003 and
will expire 3:00 A.M. EST January 01, 2004

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Kent - reflector (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)	
14000-14500 MHz	FX	24M3G7D	26 kW (ERP)	
14000-14500 MHz	FX	29M5G7D	26 kW (ERP)	
14000-14500 MHz	FX	32M4G7D	26 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) 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.