

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

EXPERIMENTAL

(Nature of Service)

WD2XFK

(Call Sign)

XD MO

(Class of Station)

0360-EX-ST-2004

(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:

Validation testing of satellite antenna and services in a maritime mobile context throughout CONUS, Alaska and Hawaii, and international waters.

Station Locations

(1) MOBILE: CONUS, Alaska and Hawaii and international waters

Frequency Information

MOBILE: CONUS, Alaska and Hawaii and international waters

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14000-14500 MHz	MO	32M4G7D	19.5 kW (ERP)	
14000-14500 MHz	MO	24M3G7D	19.5 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) Operations in the 14.2 - 14.4 GHz band are to be prior coordinated with existing LTTs licensees in accordance with Part 101.103 (d) of the Commission's Rules.

This authorization effective July 09, 2004 and
will expire 3:00 A.M. EST December 02, 2004

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) Stop Buzzer:
Dave Diener
The Boeing Company -- SIF
20403 68th Ave. S, Bldg. 18-61
Kent, WA 98032
Ph: 253-773-2595
- (5) Earth station operations are limited to U.S.-registered vessels only.
- (6) When operations are within an 11 km radius of any of the following locations, the Stop Buzzer, Dave Diener of The Boeing Company, must contact:

Ames Research Center Spectrum Manager

Bill Notley Voice: 650 604 1415 Fax: 650 604 0997 Cell: 650 207 2227 MOFFETT
FIELD ELEV: ~50 FT AMSL; Lat: 37° 24' 44" N; Lon: 122° 3' 10" W;
bnotley@mail.arc.nasa.gov

Dryden Flight Research Center Spectrum Manager

Rich Rood Voice: 661 276 2138 Fax: 661 276 2842
EDWARDS AFB ELEV: ~2320 FT AMSL; Lat: 35° 0' 21" N; Lon: 117° 53' 0"
W; rich.rood@dfrc.nasa.gov

Jet Propulsion Laboratory Alternate Spectrum Manager

Paul Robbins (Alt Mgr) Voice: 818 354-4953 Fax: 818 393-4643
Pager: Not applicable Home: 661 242 8121
PASADENA ELEV: ~1535 FT AMSL; Lat: 34° 9' 19" N; Lon: 118° 9' 11"
W; Paul.ROBBINS@JPL.NASA.gov

JPL Goldstone Facility Spectrum Manager

Reid Drummond (Coord) Voice: 760 255 8218 Fax: 760 255 8003
Pager: Not applicable
GOLDSTONE ELEV: ~3729 FT AMSL; Lat: 34° 52' 29" N; Lon: 117° 2' 53" W;
rdrummond@jgld.gdscc.nasa.gov

- (7) Licensee must notify adjacent satellite operators within six degrees prior to operation.
- (8) Licensee should be aware that the FAA uses 14-14.5 GHz for its satellite communications.