

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

EXPERIMENTAL

(Nature of Service)

WG9XDR

(Call Sign)

XT MO

(Class of Station)

0855-EX-ST-2012

(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:

This requirement supports the Inertial Measurement System and RADAR system during flight test operations.

Station Locations

- (1) MOBILE: 27,000 Foot Flight Level, Coos Bay, OR, within 600 km, centered around NL 43-25-02; WL 124-14-44
- (2) MOBILE: 27,000 Foot Flight Level, Coastal Waters, CA, within 750 km, centered around NL 29-00-00; WL 121-30-00

Frequency Information

MOBILE: 27,000 Foot Flight Level, Coos Bay, OR, within 600 km, centered around NL 43-25-02; WL 124-14-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2205.5 MHz	MO	2M43F1D	1 W (ERP)	
2216.5 MHz	MO	2M43F1D	1 W (ERP)	

This authorization effective December 15, 2012 and
will expire 3:00 A.M. EST June 16, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: 27,000 Foot Flight Level, Coos Bay, OR, within 600 km, centered around NL 43-25-02; WL 124-14-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2239.5 MHz	MO	2M43F1D	1 W (ERP)	
2268.5 MHz	MO	2M43F1D	1 W (ERP)	
2282.5 MHz	MO	2M43F1D	1 W (ERP)	
9350-10150 MHz	MO	537MQ3N 10M3Q3N 117MQ3N 607MQ3N 650MQ3N 7M03P0N	60.8 MW (ERP)	

MOBILE: 27,000 Foot Flight Level, Coastal Waters, CA, within 750 km, centered around NL 29-00-00; WL 121-30-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2205.5 MHz	MO	2M43F1D	1 W (ERP)	
2216.5 MHz	MO	2M43F1D	1 W (ERP)	
2239.5 MHz	MO	2M43F1D	1 W (ERP)	

Frequency Information

MOBILE: 27,000 Foot Flight Level, Coastal Waters, CA, within 750 km, centered around NL 29-00-00; WL 121-30-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2268.5 MHz	MO	2M43F1D	1 W (ERP)	
2282.5 MHz	MO	2M43F1D	1 W (ERP)	
9350-10150 MHz	MO	537MQ3N 10M3Q3N 117MQ3N 607MQ3N 650MQ3N 7M03P0N	60.8 MW (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) The designated point-of-contact to terminate the system if having interference occurs is Troy Kindall at 206-962-9406 or Tyler Wilson at 206-618-1740.
- (4) Licensee must coordinate with the Western Area Frequency Coordinator (WAFC), Mr. J. Szelog at (760) 939-6948 prior to any operations.
- (5) All required frequencies must be posted in the Integrated Frequency De-confliction System (IFDS).
- (6) Aircraft must check in with Vandenberg AFB Air Space Center "FRONTIER CONTROL".
- (7) The Point-of-contact for Vandenberg is Mr. Jack Copeland, 805-606-5144.
- (8) Request Boeing Program Office provide a standing VHF/UHF frequency that can be monitored for cease buzzer contact.

Special Conditions:

- (9) For Edwards AFB, all operations must be scheduled/coordinated with the WAFC and de-conflicted in IFDS and no operations will be allowed in the R2508.
- (10) NASA requires coordination prior to use for aircraft-to-ground operation in the band 2200-2290 MHz within Radio Line of Sight (RLOS) of its earth station at Berkeley, CA. Minimum coordination distance from this location is 375 km. POC is NASA/GSFC SPECTRUM MANAGER, SCOTT GALBRAITH AT 301.286.5089, VINCENT.S.GALBRAITH@NASA.GOV."