

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WC9XNI

(Call Sign)

0548-EX-ST-2008

(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:

UAV testing.

Station Locations

- (1) Mesa, AZ - NL 33-28-23; WL 111-43-36; MOBILE: At flight level 15000 Ft, Mesa, AZ, within 80 km, centered around NL 33-28-23; WL 111-43-36
- (2) Winslow, AZ - NL 35-01-19; WL 110-43-21; MOBILE: At flight level 15000 Ft, Winslow, AZ, within 80 km, centered around NL 35-01-19; WL 110-43-21
- (3) MOBILE: Statewide, AZ
- (4) MOBILE: At flight level 15000 ft, Albuquerque, NM, within 80 km, centered around NL 35-08-44; WL 106-35-38

Frequency Information

Mesa, AZ - NL 33-28-23; WL 111-43-36; MOBILE: At flight level 15000 Ft, Mesa, AZ, within 80 km, centered around NL 33-28-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
460-470 MHz	MO	5K00F3D	15.24 W (ERP)	

This authorization effective November 06, 2008 and
will expire 3:00 A.M. EST March 07, 2009

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Mesa, AZ - NL 33-28-23; WL 111-43-36; MOBILE: At flight level 15000 Ft, Mesa, AZ, within 80 km, centered around NL 33-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
460-470 MHz	FX	5K00F2N	34.13 W (ERP)	

Winslow, AZ - NL 35-01-19; WL 110-43-21; MOBILE: At flight level 15000 Ft, Winslow, AZ, within 80 km, centered around NL 35-01-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
460-470 MHz	FX	5K00F3D	15.24 W (ERP)	
460-470 MHz	FX	5K00F2N	34.13 W (ERP)	

MOBILE: Statewide, AZ

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
460-470 MHz	MO	5K00F3D	15.24 W (ERP)	

MOBILE: At flight level 15000 ft, Albuquerque, NM, within 80 km, centered around NL 35-08-44; WL 106-35-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
460-470 MHz	MO	5K00F3D	15.24 W (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.

Special Conditions:

- (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) Due to concerns with third harmonic emissions from these airborne stations interfering with extremely sensitive radio astronomy facilities operating nearby in the 1400 - 1427 MHz passive band. Operations should be coordinated with the National Radio Astronomy Observatory, Mr. Dan Mertely, dmertely@nrao.edu.