

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

EXPERIMENTAL

(Nature of Service)

WE2XYB

(Call Sign)

XT      FX MO

(Class of Station)

0030-EX-PL-2009

(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) 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: At flight level 15000 ft, 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 | FX            | 5K00F2N             | 34.13 W (ERP)    |                           |
| 460-470 MHz | MO            | 5K00F3D             | 15.24 W (ERP)    |                           |

This authorization effective July 21, 2009 and  
will expire 3:00 A.M. EST August 01, 2011

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

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

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

MOBILE: At flight level 15000 ft, 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.
- (2) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.
- (3) 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.
- (4) 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.

**Special Conditions:**

- (5) Operation is NOT permitted on the frequency band 462.95 - 463.175 MHz and 467.95 - 468.175 MHz.
- (6) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Mark Hardesty at 480-250-4276.