

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

EXPERIMENTAL

(Nature of Service)

WF2XEX

(Call Sign)

XT MO

(Class of Station)

0309-EX-RR-2011

(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) MOBILE: Thurmont, MD, within 0.1 km, centered around NL 39-32-41; WL 77-22-16
- (2) MOBILE: Germantown, MD, within 0.1 km, centered around NL 39-11-03; WL 77-15-42

Frequency Information

MOBILE: Thurmont, MD, within 0.1 km, centered around NL 39-32-41; WL 77-22-16

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 460.4-467.6 MHz | MO            | 1M25F9W<br>300KG9W  | 1 mW (ERP)       |                           |
| 851-866 MHz     | MO            | 300KG9W<br>20K0W7W  | 1 mW (ERP)       |                           |
| 869-894 MHz     | MO            | 1M25F9W<br>300KG9W  | 1 mW (ERP)       |                           |

This authorization effective December 01, 2011 and  
will expire 3:00 A.M. EST December 01, 2013

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Thurmont, MD, within 0.1 km, centered around NL 39-32-41; WL 77-22-16

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 928-932 MHz   | MO            | 300KG9W             | 1 mW (ERP)       |                           |
| 935-941 MHz   | MO            | 300KG9W             | 1 mW (ERP)       |                           |
| 944-960 MHz   | MO            | 300KG9W             | 1 mW (ERP)       |                           |
| 1805-1880 MHz | MO            | 300KG9W             | 1 mW (ERP)       |                           |
| 1930-1990 MHz | MO            | 1M25F9W<br>300KG9W  | 1 mW (ERP)       |                           |
| 2110-2170 MHz | MO            | 1M25F9W<br>300KG9W  | 1 mW (ERP)       |                           |

MOBILE: Germantown, MD, within 0.1 km, centered around NL 39-11-03; WL 77-15-42

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 460.4-467.6 MHz | MO            | 1M25F9W<br>300KG9W  | 1 mW (ERP)       |                           |
| 851-866 MHz     | MO            | 300KG9W<br>20K0W7W  | 1 mW (ERP)       |                           |

## Frequency Information

MOBILE: Germantown, MD, within 0.1 km, centered around NL 39-11-03; WL 77-15-42

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 869-894 MHz   | MO            | 1M25F9W<br>300KG9W  | 1 mW (ERP)       |                           |
| 928-932 MHz   | MO            | 300KG9W             | 1 mW (ERP)       |                           |
| 935-941 MHz   | MO            | 300KG9W             | 1 mW (ERP)       |                           |
| 944-960 MHz   | MO            | 300KG9W             | 1 mW (ERP)       |                           |
| 1805-1880 MHz | MO            | 300KG9W             | 1 mW (ERP)       |                           |
| 1930-1990 MHz | MO            | 1M25F9W<br>300KG9W  | 1 mW (ERP)       |                           |
| 2110-2170 MHz | MO            | 1M25F9W<br>300KG9W  | 1 mW (ERP)       |                           |

## Special Conditions:

- (1) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (2) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

**Special Conditions:**

- (5) Licensee must get consent from Education Broadband Service / Broadband Radio Service and Advanced Wireless Service licensees in the immediate area.
- (6) The designated point-of-contact to terminate transmissions if interference occurs is Bill Brown at 301-944-9271.
- (7) Operation is NOT permitted on 915.4-928 MHz, 932-935 MHz and 941-944 MHz.