

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

EXPERIMENTAL

(Nature of Service)

WF2XRG

(Call Sign)

XT MO

(Class of Station)

0004-EX-CR-2017

(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: 42,000 Feet AGL Flight Level, Seattle, WA, within 400 km, centered around  
NL 47-30-57; WL 122-17-42

Frequency Information

MOBILE: 42,000 Feet AGL Flight Level, Seattle, WA, within 400 km, centered around NL 47-30-57; WL 122-17-42

| Frequency     | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 2-29.9999 MHz | MO            | 100HA1A<br>2K70J3E<br>3K00Q3E<br>6K00B8E<br>6K72F1D | 400 W (ERP)      |                           |

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The designated point-of-contact to terminate transmissions if interference occurs is Will Wicks at 253-657-9464.

This authorization effective April 01, 2017 and  
will expire 3:00 A.M. EST April 01, 2019

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (4) Operation is NOT PERMITTED use of Standard Time Frequency +/- 5 kHz of 5000 kHz, 10000 kHz, 15000 kHz, 20000 kHz and 25000 kHz.
  
- (5) Operation is NOT PERMITTED use of the following frequency bands:
  - 2850 - 3025 kHz
  - 3400 - 3500 kHz
  - 4650 - 4700 kHz
  - 5450 - 5680 kHz
  - 6525 - 6685 kHz
  - 8815 - 8965 kHz
  - 10005 - 10100 kHz
  - 11275 - 11400 kHz
  - 13260 - 13360 kHz
  - 17900 - 17970 kHz
  - 21924 - 22000 kHz
  
- (6) Operation is subject to follow the restrictions in 47 CFR US340.