

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

EXPERIMENTAL

(Nature of Service)

WF2XRW

(Call Sign)

XT MO

(Class of Station)

0009-EX-RR-2013

(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 (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 30-74.6 MHz     | MO            | 10K4F3E<br>13K2F3E  | 58 W (ERP)       |                           |
| 75.4-87.975 MHz | MO            | 10K4F3E<br>13K2F3E  | 58 W (ERP)       |                           |
| 141.175 MHz     | MO            | 10K4F3E<br>13K2F3E  | 58 W (ERP)       |                           |

This authorization effective April 01, 2013 and  
will expire 3:00 A.M. EST April 01, 2015

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

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|-------------|---------------|-------------------------------|------------------|---------------------------|
| 142.6 MHz   | MO            | 10K4F3E<br>13K2F3E            | 58 W (ERP)       |                           |
| 143.75 MHz  | MO            | 10K4F3E<br>13K2F3E            | 58 W (ERP)       |                           |
| 230.475 MHz | MO            | 8K20A3E<br>10K4F3E<br>13K2F3E | 120.8 W (ERP)    |                           |
| 241.525 MHz | MO            | 8K20A3E<br>10K4F3E<br>13K2F3E | 120.8 W (ERP)    |                           |
| 280.2 MHz   | MO            | 8K20A3E<br>10K4F3E<br>13K2F3E | 120.8 W (ERP)    |                           |
| 286 MHz     | MO            | 8K20A3E<br>10K4F3E<br>13K2F3E | 120.8 W (ERP)    |                           |
| 291.4 MHz   | MO            | 100KA1D                       | 38.6 W (ERP)     |                           |
| 304.95 MHz  | MO            | 8K20A3E<br>10K4F3E            | 120.8 W (ERP)    |                           |

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|------------|---------------|-------------------------------|------------------|---------------------------|
| 304.95 MHz | MO            | 13K2F3E                       | 120.8 W (ERP)    |                           |
| 321.5 MHz  | MO            | 8K20A3E<br>10K4F3E<br>13K2F3E | 120.8 W (ERP)    |                           |
| 344.8 MHz  | MO            | 8K20A3E<br>10K4F3E<br>13K2F3E | 120.8 W (ERP)    |                           |
| 358.2 MHz  | MO            | 8K20A3E<br>10K4F3E<br>13K2F3E | 120.8 W (ERP)    |                           |
| 372.4 MHz  | MO            | 8K20A3E<br>10K4F3E<br>13K2F3E | 120.8 W (ERP)    |                           |

## Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, [executivedir@sbe.org](mailto:executivedir@sbe.org); information, [www.sbe.org](http://www.sbe.org).
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) 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.

**Special Conditions:**

- (5) Operation is NOT PERMITTED use of the frequency band 74.6-74.8 MHz and 75.2-75.4 MHz due to potential interference to Federal Government operations.
- (6) The designated point-of-contact to terminate transmissions if interference occurs is Will Wicks at 253-657-9464.