

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

EXPERIMENTAL  
(Nature of Service)

WG2XOG  
(Call Sign)

XT      FX MO  
(Class of Station)

0109-EX-ML-2014  
(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) Seattle (KING), WA - NL 47-32-01; WL 122-18-41; MOBILE: Flight 37,000 ft AGL, Seattle, WA, within 600 km, centered around NL 47-32-01; WL 122-18-41
- (2) Greenville (HUNT), TX - NL 33-04-20; WL 96-04-37; MOBILE: Flight 37,000 ft AGL, Greenville, TX, within 600 km, centered around NL 33-04-20; WL 96-04-37
- (3) Glasgow (VALLEY), MT - NL 48-24-22; WL 106-31-58; MOBILE: Flight 37,000 ft AGL, Glasgow, MT, within 600 km, centered around NL 48-24-22; WL 106-31-58

Frequency Information

Seattle (KING), WA - NL 47-32-01; WL 122-18-41; MOBILE: Flight 37,000 ft AGL, Seattle, WA, within 600 km, centered around

| Frequency   | Station Class | Emission Designator                                                       | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------------------------------------------------------------|------------------|---------------------------|
| 30-74.6 MHz | MO            | 23K0F3E<br>18K6F1E<br>37K3F1E<br>53K0F1D<br>13K2F3E<br>5K00A3E<br>7K00A3E | 28 W (ERP)       |                           |
| 30-74.6 MHz | FX            | 23K0F3E                                                                   | 28 W (ERP)       |                           |

This authorization effective June 24, 2014 and  
will expire 3:00 A.M. EST July 01, 2015

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

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|--------------------|---------------|---------------------------------------------------------------------------|------------------|---------------------------|
| 30-74.6 MHz        | FX            | 18K6F1E<br>37K3F1E<br>53K0F1D<br>13K2F3E<br>5K00A3E<br>7K00A3E            | 28 W (ERP)       |                           |
| 75.4-87.9925 MHz   | MO            | 23K0F3E<br>18K6F1E<br>37K3F1E<br>53K0F1D<br>13K2F3E<br>5K00A3E<br>7K00A3E | 28 W (ERP)       |                           |
| 75.4-87.9925 MHz   | FX            | 23K0F3E<br>18K6F1E<br>37K3F1E<br>53K0F1D<br>13K2F3E<br>5K00A3E<br>7K00A3E | 28 W (ERP)       |                           |
| 137.5-173.9875 MHz | MO            | 23K0F3E<br>18K6F1E<br>37K3F1E<br>53K0F1D<br>13K2F3E<br>5K00A3E<br>7K00A3E | 28 W (ERP)       |                           |

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| 137.5-173.9875 MHz | FX            | 23K0F3E<br>18K6F1E<br>37K3F1E<br>53K0F1D<br>13K2F3E<br>5K00A3E<br>7K00A3E | 28 W (ERP)       |                           |

Greenville (HUNT), TX - NL 33-04-20; WL 96-04-37; MOBILE: Flight 37,000 ft AGL, Greenville, TX, within 600 km, centered around

| Frequency        | Station Class | Emission Designator                                                       | Authorized Power | Frequency Tolerance (+/-) |
|------------------|---------------|---------------------------------------------------------------------------|------------------|---------------------------|
| 30-74.6 MHz      | MO            | 18K6F1E<br>23K0F3E<br>37K3F1E<br>13K2F3E<br>53K0F1D<br>5K00A3E<br>7K00A3E | 28 W (ERP)       |                           |
| 30-74.6 MHz      | FX            | 18K6F1E<br>23K0F3E<br>37K3F1E<br>13K2F3E<br>53K0F1D<br>5K00A3E<br>7K00A3E | 28 W (ERP)       |                           |
| 75.4-87.9925 MHz | MO            | 18K6F1E<br>23K0F3E                                                        | 28 W (ERP)       |                           |

## Frequency Information

Greenville (HUNT), TX - NL 33-04-20; WL 96-04-37; MOBILE: Flight 37,000 ft AGL, Greenville, TX, within 600 km, centered at

| Frequency          | Station Class | Emission Designator                                                       | Authorized Power | Frequency Tolerance (+/-) |
|--------------------|---------------|---------------------------------------------------------------------------|------------------|---------------------------|
| 75.4-87.9925 MHz   | MO            | 37K3F1E<br>13K2F3E<br>53K0F1D<br>5K00A3E<br>7K00A3E                       | 28 W (ERP)       |                           |
| 75.4-87.9925 MHz   | FX            | 18K6F1E<br>23K0F3E<br>37K3F1E<br>13K2F3E<br>53K0F1D<br>5K00A3E<br>7K00A3E | 28 W (ERP)       |                           |
| 137.5-173.9875 MHz | MO            | 18K6F1E<br>23K0F3E<br>37K3F1E<br>13K2F3E<br>53K0F1D<br>5K00A3E<br>7K00A3E | 28 W (ERP)       |                           |
| 137.5-173.9875 MHz | FX            | 18K6F1E<br>23K0F3E<br>37K3F1E<br>13K2F3E<br>53K0F1D<br>5K00A3E<br>7K00A3E | 28 W (ERP)       |                           |

## Frequency Information

Glasgow (VALLEY), MT - NL 48-24-22; WL 106-31-58; MOBILE: Flight 37,000 ft AGL, Glasgrov, MT, within 600 km, centered

| Frequency        | Station Class | Emission Designator                                                       | Authorized Power | Frequency Tolerance (+/-) |
|------------------|---------------|---------------------------------------------------------------------------|------------------|---------------------------|
| 30-74.6 MHz      | FX            | 18K6F1E<br>23K0F3E<br>37K3F1E<br>13K2F3E<br>53K0F1D<br>5K00A3E<br>7K00A3E | 28 W (ERP)       |                           |
| 30-74.6 MHz      | MO            | 18K6F1E<br>23K0F3E<br>37K3F1E<br>13K2F3E<br>53K0F1D<br>5K00A3E<br>7K00A3E | 28 W (ERP)       |                           |
| 75.4-87.9925 MHz | MO            | 18K6F1E<br>23K0F3E<br>37K3F1E<br>13K2F3E<br>53K0F1D<br>5K00A3E<br>7K00A3E | 28 W (ERP)       |                           |
| 75.4-87.9925 MHz | FX            | 18K6F1E<br>23K0F3E<br>37K3F1E<br>13K2F3E<br>53K0F1D<br>5K00A3E            | 28 W (ERP)       |                           |

## Frequency Information

Glasgow (VALLEY), MT - NL 48-24-22; WL 106-31-58; MOBILE: Flight 37,000 ft AGL, Glasgrow, MT, within 600 km, centered

| Frequency          | Station Class | Emission Designator                                                       | Authorized Power | Frequency Tolerance (+/-) |
|--------------------|---------------|---------------------------------------------------------------------------|------------------|---------------------------|
| 75.4-87.9925 MHz   | FX            | 7K00A3E                                                                   | 28 W (ERP)       |                           |
| 137.5-173.9875 MHz | MO            | 18K6F1E<br>23K0F3E<br>37K3F1E<br>13K2F3E<br>53K0F1D<br>5K00A3E<br>7K00A3E | 28 W (ERP)       |                           |
| 137.5-173.9875 MHz | FX            | 18K6F1E<br>23K0F3E<br>37K3F1E<br>13K2F3E<br>53K0F1D<br>5K00A3E<br>7K00A3E | 28 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; 9102 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) Operations in the bands 157.1875 - 157.4375 MHz and 161.7875 - 162.0375 MHz must be coordinated with the market-based licensee for the proposed site. In addition, any intended operations on the frequencies 161.975 and/or 162.025 MHz must be coordinated with the U.S. Coast Guard.
- (5) The designated point-of-contact to terminate transmissions if interference occurs is Phil Tsiang at 253-657-8218, Mark Poad at 253-657-8265, Tom Ott at 253-657-7934 and Jahn Goede 206-544-2543

**Special Conditions:**

- (6) Operation is NOT PERMITTED using the frequency band 75.3-75.4 MHz, 225-328.5 MHz and 335.4-399.9 MHz.