

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

EXPERIMENTAL  
(Nature of Service)

WF2XTJ  
(Call Sign)

XE      FX MO  
(Class of Station)

0233-EX-CR-2021  
(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(ib) of the Commission's Rules

Station Locations

- (1) Long Beach (LOS ANGELES), CA - NL 33-49-31; WL 118-09-04; MOBILE: Long Beach, CA, within 402 km, centered around NL 33-49-31; WL 118-09-04
- (2) Oklahoma City (OKLAHOMA), OK - NL 34-24-31; WL 97-24-26; MOBILE: Oklahoma City, OK, within 402 km, centered around NL 34-24-31; WL 97-24-26

Frequency Information

Long Beach (LOS ANGELES), CA - NL 33-49-31; WL 118-09-04; MOBILE: Long Beach, CA, within 402 km, centered around

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 30.3 MHz  | MO            | 25K0F1D             | 243 W (ERP)      |                           |
| 31.5 MHz  | MO            | 20K0F3E<br>25K0F1D  | 243 W (ERP)      |                           |
| 32.25 MHz | MO            | 25K0F1D             | 243 W (ERP)      |                           |

This authorization effective June 01, 2021 and  
will expire 3:00 A.M. EST June 01, 2023

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Long Beach (LOS ANGELES), CA - NL 33-49-31; WL 118-09-04; MOBILE: Long Beach, CA, within 402 km, centered around

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 36.375 MHz  | MO            | 25K0F1D             | 243 W (ERP)      |                           |
| 41.35 MHz   | MO            | 25K0F1D             | 243 W (ERP)      |                           |
| 46.75 MHz   | MO            | 25K0F1D             | 243 W (ERP)      |                           |
| 49 MHz      | MO            | 20K0F3E<br>25K0F1D  | 243 W (ERP)      |                           |
| 49.625 MHz  | MO            | 25K0F1D             | 243 W (ERP)      |                           |
| 80 MHz      | MO            | 20K0F3E<br>25K0F1D  | 243 W (ERP)      |                           |
| 80.5 MHz    | MO            | 25K0F1D             | 243 W (ERP)      |                           |
| 141.225 MHz | MO            | 10K0A3E<br>20K0F3E  | 49 W (ERP)       |                           |
| 150.35 MHz  | MO            | 10K0A3E<br>20K0F3E  | 49 W (ERP)       |                           |

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| Frequency  | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------|------------------|---------------------------|
| 156.95 MHz | MO            | 20K0F3E             | 49 W (ERP)       |                           |
| 160 MHz    | MO            | 10K0A3E<br>20K0F3E  | 49 W (ERP)       |                           |
| 161.55 MHz | MO            | 20K0F3E             | 49 W (ERP)       |                           |
| 405 MHz    | MO            | 20K0F3E             | 12.1 W (ERP)     |                           |
| 431.75 MHz | MO            | 20K0F3E             | 12.1 W (ERP)     |                           |
| 437.75 MHz | MO            | 20K0F3E             | 12.1 W (ERP)     |                           |
| 491 MHz    | MO            | 20K0F3E             | 12.1 W (ERP)     |                           |
| 551 MHz    | MO            | 20K0F3E             | 12.1 W (ERP)     |                           |
| 569 MHz    | MO            | 20K0F3E             | 12.1 W (ERP)     |                           |

## Frequency Information

Oklahoma City (OKLAHOMA), OK - NL 34-24-31; WL 97-24-26; MOBILE: Oklahoma City, OK, within 402 km, centered around

| Frequency  | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------|------------------|---------------------------|
| 30.3 MHz   | MO            | 25K0F1D             | 243 W (ERP)      |                           |
| 31.5 MHz   | MO            | 20K0F3E<br>25K0F1D  | 243 W (ERP)      |                           |
| 32.25 MHz  | MO            | 25K0F1D             | 243 W (ERP)      |                           |
| 36.375 MHz | MO            | 25K0F1D             | 243 W (ERP)      |                           |
| 41.35 MHz  | MO            | 25K0F1D             | 243 W (ERP)      |                           |
| 46.75 MHz  | MO            | 25K0F1D             | 243 W (ERP)      |                           |
| 49 MHz     | MO            | 20K0F3E<br>25K0F1D  | 243 W (ERP)      |                           |
| 49.625 MHz | MO            | 25K0F1D             | 243 W (ERP)      |                           |
| 80 MHz     | MO            | 20K0F3E<br>25K0F1D  | 243 W (ERP)      |                           |

## Frequency Information

Oklahoma City (OKLAHOMA), OK - NL 34-24-31; WL 97-24-26; MOBILE: Oklahoma City, OK, within 402 km, centered around

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 80.5 MHz    | MO            | 25K0F1D             | 243 W (ERP)      |                           |
| 141.225 MHz | MO            | 10K0A3E<br>20K0F3E  | 49 W (ERP)       |                           |
| 150.35 MHz  | MO            | 10K0A3E<br>20K0F3E  | 49 W (ERP)       |                           |
| 156.95 MHz  | MO            | 20K0F3E             | 49 W (ERP)       |                           |
| 160 MHz     | MO            | 10K0A3E<br>20K0F3E  | 49 W (ERP)       |                           |
| 161.55 MHz  | MO            | 20K0F3E             | 49 W (ERP)       |                           |
| 405 MHz     | MO            | 20K0F3E             | 12.1 W (ERP)     |                           |
| 431.75 MHz  | MO            | 20K0F3E             | 12.1 W (ERP)     |                           |
| 437.75 MHz  | MO            | 20K0F3E             | 12.1 W (ERP)     |                           |

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Oklahoma City (OKLAHOMA), OK - NL 34-24-31; WL 97-24-26; MOBILE: Oklahoma City, OK, within 402 km, centered around

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 491 MHz   | MO            | 20K0F3E             | 12.1 W (ERP)     |                           |
| 551 MHz   | MO            | 20K0F3E             | 12.1 W (ERP)     |                           |
| 569 MHz   | MO            | 20K0F3E             | 12.1 W (ERP)     |                           |

## Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) The designated point-of-contact to terminate transmissions if interference occurs is Doug Bell at 562-824-2177.
- (5) Operation the frequency band from 230.6-362.7 MHz is NOT PERMITTED for renewal.
- (6) Upon notification from the FCC, operation on this assignment is subject to immediate cessation, if it causes harmful interference to Navy operations assignments.