

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

EXPERIMENTAL  
(Nature of Service)

WI2XUT  
(Call Sign)

XT MO  
(Class of Station)

0061-EX-CN-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(h) of the Commission's Rules

Station Locations

(1) MOBILE: San Antonio, TX, within 2 km, centered around NL 29-22-30; WL 98-34-22

Frequency Information

MOBILE: San Antonio, TX, within 2 km, centered around NL 29-22-30; WL 98-34-22

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 121.15 MHz  | MO            | 5K00A3E<br>6K00A3E  | 0.02 W (ERP)     |                           |
| 121.175 MHz | MO            | 5K00A3E<br>6K00A3E  | 0.02 W (ERP)     |                           |
| 121.185 MHz | MO            | 5K00A3E<br>6K00A3E  | 30 W (ERP)       |                           |
| 121.19 MHz  | MO            | 5K00A3E             | 30 W (ERP)       |                           |

This authorization effective April 28, 2017 and  
will expire 3:00 A.M. EST February 01, 2019

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

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| Frequency   | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|-------------------------------|------------------|---------------------------|
| 121.19 MHz  | MO            | 6K00A3E                       | 30 W (ERP)       |                           |
| 121.2 MHz   | MO            | 5K00A3E<br>6K00A3E            | 30 W (ERP)       |                           |
| 123.025 MHz | MO            | 5K00A3E<br>6K00A3E            | 30 W (ERP)       |                           |
| 123.125 MHz | MO            | 5K00A3E<br>6K00A3E            | 30 W (ERP)       |                           |
| 130.285 MHz | MO            | 5K00A3E<br>6K00A3E<br>10K0A3D | 32 W (ERP)       |                           |
| 131.25 MHz  | MO            | 5K00A3E<br>6K00A3E<br>10K0A3D | 32 W (ERP)       |                           |
| 131.275 MHz | MO            | 5K00A3E<br>6K00A3E<br>10K0A3D | 32 W (ERP)       |                           |
| 131.29 MHz  | MO            | 5K00A3E<br>6K00A3E            | 32 W (ERP)       |                           |

## Frequency Information

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| Frequency  | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|-------------------------------|------------------|---------------------------|
| 131.29 MHz | MO            | 10K0A3D                       | 32 W (ERP)       |                           |
| 131.3 MHz  | MO            | 5K00A3E<br>6K00A3E<br>10K0A3D | 32 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) 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.
- (3) Licensee must coordinate with other users as necessary to minimize interference.
- (4) Any signal should be clearly identified as a test emission, and in no way appear to be airline communications.
- (5) Testing duration is 2 minutes max per 24 hour period for each frequency. Each frequency is only expected to be tested 1-2 times during the whole experimental license duration, though some may require additional sessions.
- (6) Testing on 131.550 MHz and 136.975 MHz needs to be coordinated in advance with the respective current users. On the day of testing, the respective current users will be notified for final approval, exact timings, etc.
- (7) A suitable POC will be available during testing if an emergency stop is required.
- (8) Operation the frequencies 121.15 MHz and 121.75 MHz must not exceed 0.02 Watt ERP.
- (9) Operation the frequencies 121.185 MHz through 123.125 MHz must not exceed 30 Watt ERP.
- (10) Operation is subject to prior coordination with FAA, ASRI and AFTRCC.
- (11) Stop Buzzer, Iniese Umah, Phone number: 405-610-3487.