

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WH2XAU

(Call Sign)

0021-EX-CR-2018

(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 1 km, centered around NL 29-23-20; WL 98-34-29

Frequency Information

MOBILE: San Antonio, TX, within 1 km, centered around NL 29-23-20; WL 98-34-29

| Frequency | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|-------------------------------|------------------|---------------------------|
| 963 MHz   | MO            | 14M0V1D<br>14M0M1D<br>14M0K1D | 0.01 W (ERP)     |                           |
| 987 MHz   | MO            | 14M0V1D<br>14M0M1D<br>14M0K1D | 0.01 W (ERP)     |                           |
| 1030 MHz  | MO            | 14M0V1D<br>14M0M1D            | 0.01 W (ERP)     |                           |

This authorization effective April 01, 2018 and  
will expire 3:00 A.M. EST April 01, 2020

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: San Antonio, TX, within 1 km, centered around NL 29-23-20; WL 98-34-29

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 1030 MHz  | MO            | 14M0K1D             | 0.01 W (ERP)     |                           |
| 1090 MHz  | MO            | 14M0V1D             | 0.01 W (ERP)     |                           |
|           |               | 14M0M1D             |                  |                           |
|           |               | 14M0K1D             |                  |                           |

## 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) Operation is subject to prior coordination with FAA Southwest Regional Office, 4400 Blue Mound, Fort Worth, TX 76193-7246, ATTN: Frequency Management Office: PH: 817-740-3237.
- (4) T-47G will be used to verify the operations of transponder modes 1, 2, 3A and C on multiple aircrafts. Mode C response must indicate an altitude below sea level or above 90K feet if the unit is not directly connected via cable to the receiver or operated under a hood with a dummy load.
- (5) Testing of mode 4 is not authorized.
- (6) A unit must be operated under a hood with a dummy load or directly connected via cable to the aircraft receiver to reduce free space radiation.
- (7) The designated point-of-contact to terminate the system is Kevin M. Fedyk (210) 364-8949 or James L. (J.T.) Taylor (316) 209-1576.