

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

EXPERIMENTAL  
(Nature of Service)

WI2XRU  
(Call Sign)

XT      FX MO  
(Class of Station)

0679-EX-CR-2020  
(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) Tucson (PIMA), AZ - NL 32-07-41; WL 110-56-55; MOBILE: Air National Guard Hangar Tarmac, Tucson, AZ, within 29 km, centered around NL 32-07-41; WL 110-56-55
- (2) Holloman (OTERO), NM - NL 32-51-29; WL 106-05-15; MOBILE: Holloman Air Force Base Hangar 1080 Tarmac, NM, within 29 km, centered around NL 32-51-29; WL 106-05-15

Frequency Information

Tucson (PIMA), AZ - NL 32-07-41; WL 110-56-55; MOBILE: Air National Guard Hangar Tarmac, Tucson, AZ, within 29 km, cer

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2360-2395 MHz | MO            |                     | 2.43325 W (ERP)  |                           |
|               |               | 495KG1D             |                  |                           |
|               |               | 989KG1D             |                  |                           |
|               |               | 1M98G1D             |                  |                           |
|               |               | 3M96G1D             |                  |                           |
|               |               | 8M16G1D             |                  |                           |
|               |               | 9M66G1D             |                  |                           |
|               |               | 15M8G1D             |                  |                           |
|               |               | 19M3G1D             |                  |                           |
|               |               | 2M97G1D             |                  |                           |
|               |               | 6M12G1D             |                  |                           |
|               |               | 7M25G1D             |                  |                           |

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

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Tucson (PIMA), AZ - NL 32-07-41; WL 110-56-55; MOBILE: Air National Guard Hangar Tarmac, Tucson, AZ, within 29 km, cer

| Frequency     | Station Class | Emission Designator                                                                                                                                               | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------|
| 2360-2395 MHz | MO            | 11M9G1D<br>14M5G1D<br>23M2G1D<br>32M4G1D                                                                                                                          | 2.43325 W (ERP)  |                           |
| 4400-4940 MHz | MO            | 495KG1D<br>989KG1D<br>1M98G1D<br>3M96G1D<br>8M16G1D<br>9M66G1D<br>15M8G1D<br>19M3G1D<br>2M97G1D<br>6M12G1D<br>7M25G1D<br>11M9G1D<br>14M5G1D<br>23M2G1D<br>32M4G1D | 24.33247 W (ERP) |                           |

Holloman (OTERO), NM - NL 32-51-29; WL 106-05-15; MOBILE: Holloman Air Force Base Hangar 1080 Tarmac, NM, within :

| Frequency     | Station Class | Emission Designator                                                       | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------------------------------------------------------------|------------------|---------------------------|
| 2360-2395 MHz | MO            | 495KG1D<br>989KG1D<br>1M98G1D<br>3M96G1D<br>8M16G1D<br>9M66G1D<br>15M8G1D | 2.43325 W (ERP)  |                           |

## Frequency Information

Holloman (OTERO), NM - NL 32-51-29; WL 106-05-15; MOBILE: Holloman Air Force Base Hangar 1080 Tarmac, NM, within :

| Frequency     | Station Class | Emission Designator                                                                                                                                               | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------|
| 2360-2395 MHz | MO            | 19M3G1D<br>2M97G1D<br>6M12G1D<br>7M25G1D<br>11M9G1D<br>14M5G1D<br>23M2G1D<br>32M4G1D                                                                              | 2.43325 W (ERP)  |                           |
| 4400-4940 MHz | MO            | 495KG1D<br>989KG1D<br>1M98G1D<br>3M96G1D<br>8M16G1D<br>9M66G1D<br>15M8G1D<br>19M3G1D<br>2M97G1D<br>6M12G1D<br>7M25G1D<br>11M9G1D<br>14M5G1D<br>23M2G1D<br>32M4G1D | 24.33247 W (ERP) |                           |

## Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to its authorization with AFMO CONUS, Ft. Sam Houston, TX, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with AFMO CONUS, Ft. Sam Houston, TX, as necessary to ensure compatibility with existing uses.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

**Special Conditions:**

- (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 must be scheduled as a WSMR Range mission, through the appropriate WSMR Range sponsor prior to operations. Final authorization to radiate shall be contingent upon successful scheduling and de-confliction of spectrum with other area-wide operations.
- (5) Operation is subject to prior coordinate with local Raytheon Missile (Tucson).
- (6) Use of these frequencies within the Tucson AZ area requires notification to DoD AFC AZ (E-mail to mark.k.rossow.civ@mail.mil) 48 hours prior to intended use.
- (7) Operation is subject to coordination with the area frequency coordinator,  
STATE OF ARIZONA,  
ATTN: SFISFAC-SH,  
FT. HUACHUCA, AZ 85613-5000,  
PHONE: (520) 538-6423;  
FAX (520) 538-8525; DSN 879-6423
- (8) Operation is subject to coordination with the area frequency coordinator located at White Sands Missile Range, New Mexico, prior to use in the state of New Mexico or other U.S. territory within 240 km radius of WSMR plus the area of Utah and Colorado that lies south of 41 North and between 108 and 111 West.
- (9) Stop Buzzers, Lester Houston III 314-234-0621/314-443-8665 and James Belt 314-777-9113/314-614-5091.
- (10) Access to Holloman AFB requires a program sponsor. Test Operations must be scheduled as a White Sands Missile Range (WSMR) Range mission, through the 586FLTS Det1 Office. Ground checks at Holloman must be coordinated with the Holloman AFB Spectrum Manager, at 575-572-3395. Final authority to radiate is contingent upon successful scheduling, and de-confliction, of both airspace, and spectrum, with other regional operations.