

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

EXPERIMENTAL

(Nature of Service)

XT      FX MO

(Class of Station)

WG2XXT

(Call Sign)

0183-EX-CM-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) Seattle (KING), WA - NL 47-31-50; WL 122-18-40
- (2) MOBILE: Airborne Operations, FLT 43,000 ft, Seattle, WA, within 804 km, centered around NL 47-31-50; WL 122-18-40

Frequency Information

Seattle (KING), WA - NL 47-31-50; WL 122-18-40

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 1616-1626.5 MHz | FX            | 41K7Q7W             | 15.85 W (ERP)    |                           |
|                 |               | 41K7V7W             |                  |                           |
|                 |               | 333KQ7W             |                  |                           |
|                 |               | 666KQ7W             |                  |                           |
|                 |               | 83K3Q7W             |                  |                           |

This authorization effective September 10, 2020 and  
will expire 3:00 A.M. EST December 01, 2021

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Airborne Operations, FLT 43,000 ft, Seattle, WA, within 804 km, centered around NL 47-31-50; WL 122-18-40

| Frequency       | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 1616-1626.5 MHz | MO            | 41K7Q7W<br>41K7V7W<br>83K3Q7W<br>666KQ7W<br>333KQ7W | 15.85 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) The designated point-of-contact to terminate the systems if interference occurs is Nicolae Samson at Cell: 206-419-4577.
- (4) Boeing operations shall be limited to the frequencies between 1617.775-1626.5 MHz.
- (5) Boeing shall coordinate its use of the frequencies with Iridium prior to any use of the spectrum.
- (6) The ERP for operating the frequency band is 15.85 Watt.