

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

EXPERIMENTAL  
(Nature of Service)

WG2XWL  
(Call Sign)

XT      FX  
(Class of Station)

0124-EX-CM-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(i) of the Commission's Rules

Station Locations

- (1) Kent (KING), WA - NL 47-24-55; WL 122-15-38
- (2) Seattle (KING), WA - NL 47-31-05; WL 122-18-05

Frequency Information

Kent (KING), WA - NL 47-24-55; WL 122-15-38

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 7.25-7.75 GHz | FX            | 4M50G1D<br>9M00G1D  | 0.06 mW (ERP)    |                           |
| 11-12.7 GHz   | MO            | NON                 | 0.06 mW (ERP)    |                           |
| 13.8-14.5 GHz | FX            | NON                 | 0.06 mW (ERP)    |                           |
| 19.2-21.2 GHz | MO            | NON                 | 0.06 mW (ERP)    |                           |

This authorization effective July 15, 2021 and  
will expire 3:00 A.M. EST January 01, 2023

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Kent (KING), WA - NL 47-24-55; WL 122-15-38

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 20 GHz    | MO            | 9M00G1D             | 0.06 mW (ERP)    |                           |
| 20.1 GHz  | MO            | 4M50G1D             | 0.06 mW (ERP)    |                           |
| 29-31 GHz | MO            | N0N                 | 0.06 mW (ERP)    |                           |
| 29.7 GHz  | MO            | 9M00G1D             | 0.06 mW (ERP)    |                           |

Seattle (KING), WA - NL 47-31-05; WL 122-18-05

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 7.25-7.75 GHz | FX            | 4M50G1D<br>9M00G1D  | 0.06 mW (ERP)    |                           |
| 11-12.7 GHz   | MO            | N0N                 | 0.06 mW (ERP)    |                           |
| 13.8-14.5 GHz | FX            | N0N                 | 0.06 mW (ERP)    |                           |
| 19.2-21.2 GHz | MO            | N0N                 | 0.06 mW (ERP)    |                           |
| 20 GHz        | MO            | 9M00G1D             | 0.06 mW (ERP)    |                           |

## Frequency Information

Seattle (KING), WA - NL 47-31-05; WL 122-18-05

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 20.1 GHz  | MO            | 4M50G1D             | 0.06 mW (ERP)    |                           |
| 29-31 GHz | FX            | N0N                 | 0.06 mW (ERP)    |                           |
| 29.7 GHz  | MO            | 9M00G1D             | 0.06 mW (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 system if interference occurs is Korey Holmstrom at 253-657-0076/ 253-478-9007.
- (4) Prior to activation, Boeing must coordinate with Mr. Russ Potter 306-396-7075.