

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

EXPERIMENTAL

(Nature of Service)

XT      FX

(Class of Station)

WF2XSS

(Call Sign)

0167-EX-CR-2019

(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(g) of the Commission's Rules

Station Locations

(1) Ocean Shores (GRAYS HARBOR), WA - NL 47-09-40; WL 124-11-31

Frequency Information

Ocean Shores (GRAYS HARBOR), WA - NL 47-09-40; WL 124-11-31

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 150 MHz   | FX            | NON                 | 40 W (ERP)       |                           |
| 430 MHz   | FX            | NON                 | 40 W (ERP)       |                           |
| 800 MHz   | FX            | NON                 | 40 W (ERP)       |                           |
| 882 MHz   | FX            | NON                 | 40 W (ERP)       |                           |

This authorization effective July 01, 2019 and  
will expire 3:00 A.M. EST July 01, 2021

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Ocean Shores (GRAYS HARBOR), WA - NL 47-09-40; WL 124-11-31

| Frequency  | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------|------------------|---------------------------|
| 1247 MHz   | FX            | N0N                 | 40 W (ERP)       |                           |
| 1288.5 MHz | FX            | N0N                 | 40 W (ERP)       |                           |
| 1340 MHz   | FX            | N0N                 | 40 W (ERP)       |                           |
| 2144 MHz   | FX            | N0N                 | 40 W (ERP)       |                           |
| 2798 MHz   | FX            | N0N                 | 40 W (ERP)       |                           |
| 2845 MHz   | FX            | N0N                 | 40 W (ERP)       |                           |
| 3000 MHz   | FX            | N0N                 | 40 W (ERP)       |                           |
| 4950 MHz   | FX            | N0N                 | 40 W (ERP)       |                           |
| 5400 MHz   | FX            | N0N                 | 40 W (ERP)       |                           |
| 5500 MHz   | FX            | N0N                 | 40 W (ERP)       |                           |

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| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 5563 MHz  | FX            | N0N                 | 40 W (ERP)       |                           |
| 6630 MHz  | FX            | N0N                 | 40 W (ERP)       |                           |
| 7995 MHz  | FX            | N0N                 | 40 W (ERP)       |                           |
| 9336 MHz  | FX            | N0N                 | 40 W (ERP)       |                           |
| 9337 MHz  | FX            | N0N                 | 40 W (ERP)       |                           |
| 9960 MHz  | FX            | N0N                 | 40 W (ERP)       |                           |
| 10060 MHz | FX            | N0N                 | 40 W (ERP)       |                           |
| 10200 MHz | FX            | N0N                 | 40 W (ERP)       |                           |
| 10500 MHz | FX            | N0N                 | 40 W (ERP)       |                           |
| 13135 MHz | FX            | N0N                 | 40 W (ERP)       |                           |

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Ocean Shores (GRAYS HARBOR), WA - NL 47-09-40; WL 124-11-31

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 15000 MHz | FX            | N0N                 | 40 W (ERP)       |                           |
| 16110 MHz | FX            | N0N                 | 40 W (ERP)       |                           |
| 19000 MHz | FX            | N0N                 | 40 W (ERP)       |                           |
| 35000 MHz | FX            | N0N                 | 40 W (ERP)       |                           |

## Special Conditions:

- (1) This frequency assignment was coordinated prior to authorization with FAA Headquarters, 800 Independence Avenue, S.W., Washington, DC 20591; Telephone: 202-267-8699.
- (2) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.
- (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) Licensee must get consent from the Advanced Wireless Service and Fixed Microwave licensees prior to operation.
- (6) The designated point-of-contact to terminate transmissions if interference occurs is Victoria Habas at (503) 890-2213 and Clarke Manning at (253) 653-0673.
- (7) For discrete frequencies that are within radar bands: 1215-1400 MHz, 2700-2900 MHz, 15.7-16.2 GHz, transmission is limited between 180 and 340 degrees referenced to true north and toward the Pacific Ocean.
- (8) This frequency assignment on 1030 MHz or in one of the bands 1215-1400, 2700-2900 or 9000-9200 MHz was coordinated prior to authorization with the FAA Northwest Coordinator, Seattle, Washington. Use of this frequency or band under the authority of this assignment is subject to such further coordination with the FAA Northwest Coordinator, Seattle, Washington, as necessary to ensure compatibility with existing uses.

**Special Conditions:**

- (9) The signal generator will be set up within 8 km of these coordinates with antenna pointing seaward toward an orbiting aircraft simulating electronic support measure.
- (10) The frequency assign was coordinated prior to authorization with FAA headquarters, 800 Independence Avenue, S.W., Washington, DC 20591. Phone 202-267-8699.