

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WJ9XNY

(Call Sign)

XT      FX MO

(Class of Station)

1452-EX-ST-2017

(File Number)

NAME The Boeing Company

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

**Purpose Of Operation:**

To support UVS system integration test.

**Station Locations**

- (1) Boardman Bombing Ran, OR - NL 45-44-54; WL 119-47-38
- (2) Bingen, WA - NL 45-42-24; WL 121-27-30
- (3) MOBILE: Maximum Flight Level is 5000 feet, Boardman Bombing Ran, OR, within 60 km, centered around NL 45-44-54; WL 119-47-38

**Frequency Information**

Boardman Bombing Ran, OR - NL 45-44-54; WL 119-47-38

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 30-50 MHz | FX            | 6K00A3E             | 5 W (ERP)        |                           |
|           |               | 11K0F3E             |                  |                           |
|           |               | 16K0F3E             |                  |                           |
|           |               | 25K0A3E             |                  |                           |
|           |               | 25K0F3E             |                  |                           |

This authorization effective October 17, 2017 and  
will expire 3:00 A.M. EST April 17, 2018

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Boardman Bombing Ran, OR - NL 45-44-54; WL 119-47-38

| Frequency   | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 60-64 MHz   | FX            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 5 W (ERP)        |                           |
| 76-80 MHz   | FX            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 5 W (ERP)        |                           |
| 138-148 MHz | FX            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 5 W (ERP)        |                           |
| 174-200 MHz | FX            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 5 W (ERP)        |                           |
| 217-220 MHz | FX            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E            | 5 W (ERP)        |                           |

## Frequency Information

Boardman Bombing Ran, OR - NL 45-44-54; WL 119-47-38

| Frequency   | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 217-220 MHz | FX            | 25K0F3E                                             | 5 W (ERP)        |                           |
| 401-415 MHz | FX            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 5 W (ERP)        |                           |
| 465-470 MHz | FX            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 5 W (ERP)        |                           |
| 480-495 MHz | FX            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 5 W (ERP)        |                           |

Bingen, WA - NL 45-42-24; WL 121-27-30

| Frequency | Station Class | Emission Designator                      | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|------------------------------------------|------------------|---------------------------|
| 30-50 MHz | FX            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E | 5 W (ERP)        |                           |

## Frequency Information

Bingen, WA - NL 45-42-24; WL 121-27-30

| Frequency   | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 30-50 MHz   | FX            | 25K0F3E                                             | 5 W (ERP)        |                           |
| 60-64 MHz   | FX            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 5 W (ERP)        |                           |
| 76-80 MHz   | FX            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 5 W (ERP)        |                           |
| 138-148 MHz | FX            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 5 W (ERP)        |                           |
| 174-200 MHz | FX            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 5 W (ERP)        |                           |
| 217-220 MHz | FX            | 6K00A3E<br>11K0F3E<br>16K0F3E                       | 5 W (ERP)        |                           |

## Frequency Information

Bingen, WA - NL 45-42-24; WL 121-27-30

| Frequency   | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 217-220 MHz | FX            | 25K0A3E<br>25K0F3E                                  | 5 W (ERP)        |                           |
| 401-415 MHz | FX            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 5 W (ERP)        |                           |
| 465-470 MHz | FX            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 5 W (ERP)        |                           |
| 480-495 MHz | FX            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 5 W (ERP)        |                           |

MOBILE: Maximum Flight Level is 5000 feet, Boardman Bombing Ran, OR, within 60 km, centered around NL 45-44-54; WL 119-47-38

| Frequency | Station Class | Emission Designator                      | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|------------------------------------------|------------------|---------------------------|
| 30-50 MHz | MO            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E | 2 W (ERP)        |                           |

## Frequency Information

MOBILE: Maximum Flight Level is 5000 feet, Boardman Bombing Ran, OR, within 60 km, centered around NL 45-44-54; WL 119-47-38

| Frequency   | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 30-50 MHz   | MO            | 25K0F3E                                             | 2 W (ERP)        |                           |
| 60-64 MHz   | MO            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 2 W (ERP)        |                           |
| 76-80 MHz   | MO            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 2 W (ERP)        |                           |
| 138-148 MHz | MO            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 2 W (ERP)        |                           |
| 174-200 MHz | MO            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 2 W (ERP)        |                           |
| 217-220 MHz | MO            | 6K00A3E<br>11K0F3E<br>16K0F3E                       | 2 W (ERP)        |                           |

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MOBILE: Maximum Flight Level is 5000 feet, Boardman Bombing Ran, OR, within 60 km, centered around NL 45-44-54; WL 119-47-38

| Frequency   | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 217-220 MHz | MO            | 25K0A3E<br>25K0F3E                                  | 2 W (ERP)        |                           |
| 401-415 MHz | MO            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 2 W (ERP)        |                           |
| 465-470 MHz | MO            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 2 W (ERP)        |                           |
| 480-495 MHz | MO            | 6K00A3E<br>11K0F3E<br>16K0F3E<br>25K0A3E<br>25K0F3E | 2 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.

## Special Conditions:

- (3) The Boeing Company must notch out the following frequencies at the Bingen, WA location, (+/- 12.5 KHz unless otherwise noted); 407.125 MHz, 407.9125 MHz, 408.375 MHz, 409.675 MHz, 410.075 MHz (+/- 25 KHz), 410.100 MHz, 410.575 MHz, 411.625 MHz, 411.650 MHz, 411.700 MHz, 411.775 MHz, 411.825 MHz, 411.900 MHz, 411.975 MHz, 412.000 MHz, 412.100 MHz, 412.200 MHz, 412.275 MHz, 412.350 MHz, 412.775 MHz, 412.975 MHz (+/-5.5k), 413.000 MHz (+/-5.5k), 413.025 MHz (+/-5.5k), 413.1125 MHz, 413.5875 MHz, 414.6625 MHz, 414.7875 MHz, 419.100 MHz, 419.575 MHz.
- (4) The Boeing Company must notch out the following frequencies at the Boardman, OR location, (+/- 12.5 KHz unless otherwise noted); 406.125 MHz, 407.125 MHz, 407.9125 MHz, 408.775 MHz, 410.075 MHz (+/- 25 KHz), 410.100 MHz, 410.575 MHz, 411.675 MHz, 412.975 MHz (+/-5.5k), 413.000 MHz (+/-5.5k), 413.025 MHz (+/-5.5k), 413.1125 MHz, 413.5875 MHz, 414.6625 MHz, 414.7875 MHz, 419.100 MHz, 419.575 MHz.
- (5) Boeing Company coordinate with the local Society of Broadcast Engineer frequency coordinator prior to operation.
- (6) Boeing must not utilize the band 406-406.1 MHz. This band is user for EPIRB's, ELT's and PLT's which are protected from any possible interference by ITU Radio Regulation, Appendix 15.
- (7) To protect National weather service operations, the following frequencies must be notched:
- 410.075 MHz +/- 25 KHz  
410.100 MHz +/- 12.5KHz  
410.575 MHz +/- 12.5KHz  
412.625 MHz +/- 12.5KHz
- (8) Boeing must "notification" of the following within 50 miles of the test area:
- 218-219 MHz Service
  - Paging Service licensees in 35 MHz, and 43 MHz
- (9) Boeing must not utilize the following frequencies +/- 12.5 KHz to protect FAA operations:
- M413.5875  
M414.6625  
M414.7875
- (10) Boeing must not utilize the following frequencies +/- 6.25 KHz to protect Coast Guard operations:
- 142.8250 MHz; 143.4750 MHz; 412.9750 MHz; 413.0000 MHz; 413.0250 MHz

## Special Conditions:

- (11) Boeing must not utilize the following frequencies +/- 6.25 KHz in order to protect Department of Interior operations:

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| 406.125 MHz | 407.125 MHz | 408.375 MHz | 409.675 MHz |
| 411.625 MHz | 411.650 MHz | 411.675 MHz | 411.700 MHz |
| 411.775 MHz | 411.825 MHz | 411.900 MHz | 411.975 MHz |
| 412.000 MHz | 412.075 MHz | 412.100 MHz | 412.200 MHz |
| 412.275 MHz | 412.350 MHz | 412.775 MHz |             |

- (12) Boeing must not utilize the following frequencies to protect National Weather Service operations:

NWR Link +/- 6.25 KHz

410.100 MHz

410.575 MHz

406.900 MHz

412.625 MHz

ASOS Weather +/-12.5 KHz

410.075 MHz