

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

EXPERIMENTAL

(Nature of Service)

WD9XXU

(Call Sign)

XT      FX MO

(Class of Station)

0294-EX-ST-2009

(File Number)

NAME BNSF Railway 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:**

Developing communications equipment to be used for Positive Train Control (PTC) applications. The applicant proposes to conduct analysis and tests of PTC equipment in the Seattle, WA.

**Station Locations**

- (1) Preston (KING), WA - NL 47-29-20; WL 121-56-44; MOBILE: Tiger Mountain, Preston, WA, within 31 km, centered around NL 47-29-20; WL 121-56-44
- (2) Seattle (KING), WA - NL 47-35-59; WL 122-19-46; MOBILE: Seattle, WA, within 8 km, centered around NL 47-35-59; WL 122-19-46

**Frequency Information**

Preston (KING), WA - NL 47-29-20; WL 121-56-44; MOBILE: Tiger Mountain, Preston, WA, within 31 km, centered around NL

| Frequency    | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|--------------|---------------|---------------------|------------------|---------------------------|
| 220.4125 MHz | FX            | 11K0F1D             | 60 W (ERP)       |                           |
| 221.4125 MHz | MO            | 11K0F1D             | 60 W (ERP)       |                           |

This authorization effective July 01, 2009 and  
will expire 3:00 A.M. EST December 16, 2009

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Seattle (KING), WA - NL 47-35-59; WL 122-19-46; MOBILE: Seattle, WA, within 8 km, centered around NL 47-35-59; WL 122-

| Frequency    | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|--------------|---------------|---------------------|------------------|---------------------------|
| 220.1375 MHz | FX            | 11K0F1D             | 60 W (ERP)       |                           |
| 221.1375 MHz | MO            | 11K0F1D             | 60 W (ERP)       |                           |

## Special Conditions:

- (1) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) Operation in the frequency band 220 - 222 MHz requires consent of local licensees to avoid interference.