

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WD2XDG

(Call Sign)

0214-EX-RR-2012

(File Number)

NAME Union Pacific Railroad 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) HOUSTON (HARRIS), TX - NL 29-49-42; WL 95-17-25
- (2) FORT WORTH (TARRANT), TX - NL 32-43-26; WL 97-22-16
- (3) FORT WORTH (TARRANT), TX - NL 32-43-36; WL 97-22-07
- (4) HERMISTON (UMATILLA), OR - NL 45-47-44; WL 119-17-22

Frequency Information

HOUSTON (HARRIS), TX - NL 29-49-42; WL 95-17-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1575.42 MHz	FX	24M0L1D	0.75 nW (ERP)	

FORT WORTH (TARRANT), TX - NL 32-43-26; WL 97-22-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1575.42 MHz	FX	24M0L1D	0.75 nW (ERP)	

This authorization effective May 01, 2012 and
will expire 3:00 A.M. EST May 01, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

FORT WORTH (TARRANT), TX - NL 32-43-36; WL 97-22-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1575.42 MHz	FX	24M0L1D	0.75 nW (ERP)	

HERMISTON (UMATILLA), OR - NL 45-47-44; WL 119-17-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1575.42 MHz	FX	24M0L1D	0.75 nW (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) Operation is limited to activity for the purpose of testing radionavigation satellite service (RNSS) equipment and systems.
- (4) The test equipment shall only be used indoors and shall be under the control of the Union Pacific Railroad Company.
- (5) The Union Pacific Railroad Company shall post signs on doors to the test area notifying that, "GPS re-radiator is in use and the GPS information you receive may be in error."
- (6) GPS users in the area of potential interference to GPS reception must be notified that GPS information may be impacted for periods of time.
- (7) The designated point-of-contact to terminate transmissions if interference occurs is David LaChapelle (402) 544-0392.
- (8) Due to anticipated harmful interferences to Omaha, NE Airport operations, a request to operate at this location is denied. Further testing must be ceased at Omaha, NE location.
- (9) Licensee is required to file a PROGRESS REPORT every 6 months from the date of grant. This progress report shall be filed with Federal Communications Commission; Experimental Licensing Branch 445 12 Street, S.W.; Washington, DC 20554 or uploaded electronically via the OET Experimental Licensing Branch's Electronic Filing Web Site at <https://fjallfoss.fcc.gov/oetcf/els/index.cfm> by using the "Add Attachments" feature.