

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

EXPERIMENTAL

(Nature of Service)

WJ2XEL

(Call Sign)

XT MO

(Class of Station)

0040-EX-CM-2018

(File Number)

NAME BNSF Railway Co.

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(h) of the Commission's Rules

Station Locations

- (1) MOBILE: Fort Sumner, NM, within 10 km, centered around NL 34-24-27; WL 104-18-04
 (2) MOBILE: Fort Sumner, NM, within 10 km, centered around NL 34-38-53; WL 104-15-05

Frequency Information

MOBILE: Fort Sumner, NM, within 10 km, centered around NL 34-24-27; WL 104-18-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-16.5 GHz	MO	6M35Q3N	9.332 kW (ERP)	

MOBILE: Fort Sumner, NM, within 10 km, centered around NL 34-38-53; WL 104-15-05

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This authorization effective February 22, 2018 and
 will expire 3:00 A.M. EST January 01, 2020

FEDERAL
COMMUNICATIONS
COMMISSION



Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Stop Buzzers,
 - BNSF UAS Pilot Control Station (Clovis Subdivision): 505-864-5595
 - BNSF UAS Fort Worth Operations Number: 505-209-9450
 - BNSF Technology Services Operations Center: 817-593-4357 (Telecom Desk)
- (4) These radars may not be used to prevent collisions between aircraft (manned or unmanned).
- (5) The output of these radars may not be viewed by an unmanned aircraft pilot while operating an unmanned aircraft.
- (6) The output of these radars may not be displayed in any air traffic control facility.
- (7) The output of these radars may not be used to provide target data for air traffic control use.
- (8) BNSF must coordinate their operations with the DoD Area Frequency Coordinator (DoD-AFC) - White Sands Missile Range, (WSMR), at least 96 hours in advance, via e-mail to usarmy.wsmr.imcom-central.list.dodafc@mail.mil. If operations are daily, then a weekly schedule is preferred. Please include planned dates, start and stop times, and notify DoD-AFC (WSMR) of any cancellations.
- (9) Operation is subject to coordination with the area frequency coordinator located at White Sands Missile Range, New Mexico, prior to use in the state of New Mexico or other US territory within a 240-km radius of WSMR plus the area of Utah and Colorado that lies South of 41 North and between 108 and 111 West.