

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WL2XZI

(Call Sign)

0223-EX-CM-2021

(File Number)

NAME BNSF Railway 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(h) of the Commission's Rules

Station Locations

- (1) MOBILE: Amarillo, TX, within 5 km, centered around NL 32-49-27; WL 97-20-01
- (2) MOBILE: Quanah, TX, within 5 km, centered around NL 34-20-28; WL 99-54-56
- (3) MOBILE: Channahon, IL, within 5 km, centered around NL 41-23-29; WL 88-09-01

Frequency Information

MOBILE: Amarillo, TX, within 5 km, centered around NL 32-49-27; WL 97-20-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.45-24.65 GHz	MO	165MF3N	2.5 W (ERP)	

MOBILE: Quanah, TX, within 5 km, centered around NL 34-20-28; WL 99-54-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.45-24.65 GHz	MO	16M5F3N	2.5 W (ERP)	

This authorization effective October 27, 2021 and
will expire 3:00 A.M. EST September 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Channahon, IL, within 5 km, centered around NL 41-23-29; WL 88-09-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.45-24.65 GHz	MO	16M5F3N	2.5 W (ERP)	

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) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (4) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (5) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing
- (6) Stop Buzzers, Jim Barrett at 682-429-6934 and Miles Francis at 817-368-3447.
- (7) Testing is for ground-based radars only.