

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

EXPERIMENTAL

(Nature of Service)

WJ9XNW

(Call Sign)

XT FX MO

(Class of Station)

0268-EX-ST-2016

(File Number)

NAME BNSF Railway Co.

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:

An experimental Special Temporary Authorization is requested for the purpose of communicating command and control messages to unmanned aerial vehicles (UAV).

Station Locations

- (1) PLAYAS (HIDALGO), NM - NL 31-54-10; WL 108-31-29
- (2) PLAYAS, NM - NL 31-54-10; WL 108-31-29
- (3) MOBILE: Playas, NM, within 24 km, centered around NL 31-54-10; WL 108-31-29

Frequency Information

PLAYAS (HIDALGO), NM - NL 31-54-10; WL 108-31-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
896.93125-896.94375 kHz	FX	8K20F3D	1.41 W (ERP)	
896.98125-896.99375 kHz	FX	8K20F3D	1.41 W (ERP)	

This authorization effective April 04, 2016 and
will expire 3:00 A.M. EST September 30, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

PLAYAS (HIDALGO), NM - NL 31-54-10; WL 108-31-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
896.88125-896.89375 MHz	FX	8K20F3D	1.41 W (ERP)	
897.88125-897.89375 MHz	FX	8K20F3D	1.41 W (ERP)	
897.93125-897.94375 MHz	FX	8K20F3D	1.41 W (ERP)	
897.98125-897.99375 MHz	FX	8K20F3D	1.41 W (ERP)	
935.88125-935.89375 MHz	FX	8K20F3D	1.41 W (ERP)	
935.93125-935.94375 MHz	FX	8K20F3D	1.41 W (ERP)	
935.98125-935.99375 MHz	FX	8K20F3D	1.41 W (ERP)	
936.88125-936.89375 MHz	FX	8K20F3D	1.41 W (ERP)	
936.93125-936.94375 MHz	FX	8K20F3D	1.41 W (ERP)	
936.98125-936.99375 MHz	FX	8K20F3D	1.41 W (ERP)	

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PLAYAS, NM - NL 31-54-10; WL 108-31-29

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896.88125-896.89375 MHz	FX	8K20F3D	1.41 W (ERP)	
896.93125-896.94375 MHz	FX	8K20F3D	1.41 W (ERP)	
896.98125-896.99375 MHz	FX	8K20F3D 8K20F3D	1.41 W (ERP)	
897.88125-897.89375 MHz	FX	8K20F3D	1.41 W (ERP)	
897.93125-897.94375 MHz	FX	8K20F3D	1.41 W (ERP)	
897.98125-897.99375 MHz	FX	8K20F3D	1.41 W (ERP)	
935.88125-935.89375 MHz	FX	8K20F3D 8K20F3D	1.41 W (ERP)	
935.93125-935.94375 MHz	FX	8K20F3D	1.41 W (ERP)	
935.98125-935.99375 MHz	FX	8K20F3D 8K20F3D	1.41 W (ERP)	

Frequency Information

PLAYAS, NM - NL 31-54-10; WL 108-31-29

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936.88125-936.89375 MHz	FX	8K20F3D	1.41 W (ERP)	
936.93125-936.94375 MHz	FX	8K20F3D	1.41 W (ERP)	
936.98125-936.99375 MHz	FX	8K20F3D	1.41 W (ERP)	

MOBILE: Playas, NM, within 24 km, centered around NL 31-54-10; WL 108-31-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
896.88125-896.89375 MHz	MO	8K20F3D	1.16 W (ERP)	
896.93125-896.94375 MHz	MO	8K20F3D	1.16 W (ERP)	
896.98125-896.99375 MHz	MO	8K20F3D	1.16 W (ERP)	
897.88125-897.89375 MHz	MO	8K20F3D	1.16 W (ERP)	
897.93125-897.94375 MHz	MO	8K20F3D	1.16 W (ERP)	
897.98125-897.99375 MHz	MO	8K20F3D	1.16 W (ERP)	

Frequency Information

MOBILE: Playas, NM, within 24 km, centered around NL 31-54-10; WL 108-31-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
935.88125-935.89375 MHz	MO	8K20F3D	1.16 W (ERP)	
935.93125-935.94375 MHz	MO	8K20F3D	1.16 W (ERP)	
935.98125-935.99375 MHz	MO	8K20F3D	1.16 W (ERP)	
936.88125-936.89375 MHz	MO	8K20F3D	1.16 W (ERP)	
936.93125-936.94375 MHz	MO	8K20F3D	1.16 W (ERP)	
936.98125-936.99375 MHz	MO	8K20F3D	1.16 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) The applicant must get "consent" of the following within 50 miles of the test area: SMR licensees (896-901 MHz/935-940 MHz)