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**Federal Communications Commission
Wireless Telecommunications Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: BNSF RAILWAY CO

ATTN: BNSF TELECOM FCC
BNSF RAILWAY CO
4515 KANSAS AVENUE
KANSAS CITY, KS 66106

Call Sign WQPV693	File Number
Radio Service LN - 902-928 MHz Location Narrowband (Non-multilateration)	
Regulatory Status PMRS	
Frequency Coordination Number	

FCC Registration Number (FRN): 0004772877

Grant Date 08-24-2012	Effective Date 01-06-2020	Expiration Date 08-24-2022	Print Date
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STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

- Loc. 1 Address:** BNSF LS7200 MP 743.3 - EAST BARSTOW M1 &M2 - AEI
City: Barstow **County:** SAN BERNARDINO **State:** CA
Lat (NAD83): 34-53-00.9 N **Long (NAD83):** 116-58-45.8 W **ASR No.:** **Ground Elev:** 632.7
- Loc. 2 Address:** BNSF LS7200 MP 743.3 - EAST BARSTOW M3 - AEI
City: Barstow **County:** SAN BERNARDINO **State:** CA
Lat (NAD83): 34-53-00.9 N **Long (NAD83):** 116-58-45.8 W **ASR No.:** **Ground Elev:** 632.7
- Loc. 3 Address:** BNSF LS7200 MP 693.67 LUDLOW AEI
City: LUDLOW **County:** SAN BERNARDINO **State:** CA
Lat (NAD83): 34-43-06.3 N **Long (NAD83):** 116-09-55.0 W **ASR No.:** **Ground Elev:** 693.6

Antennas

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp (meters)	Ant. AAT (meter)	Construct Deadline Date
1	1	000913.00000000	LR	1		20K0N0N	2.000	16.000	1.5	s-137.0	08-24-2013
1	1	000902.25000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	08-24-2013
1	1	000903.75000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	08-24-2013

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

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1	1	000910.00000000	LR	1		20K0N0N	2.000	16.000	1.5	s-137.0	08-24-2013
1	1	000911.50000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	08-24-2013
1	1	000915.00000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	08-24-2013
1	1	000917.00000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	08-24-2013
1	1	000918.50000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	08-24-2013
1	1	000920.00000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	08-24-2013
1	1	000921.50000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	08-24-2013
1	2	000902.25000000	LR	1		20K0N0N	2.000	10.000	1.0	-137.0	06-06-2020
1	2	000903.75000000	LR	1		20K0N0N	2.000	10.000	1.0	-137.0	06-06-2020
1	2	000910.00000000	LR	1		20K0N0N	2.000	10.000	1.0	-137.0	06-06-2020
1	2	000911.50000000	LR	1		20K0N0N	2.000	10.000	1.0	-137.0	06-06-2020
1	2	000913.00000000	LR	1		20K0N0N	2.000	10.000	1.0	-137.0	06-06-2020
1	2	000915.00000000	LR	1		20K0N0N	2.000	10.000	1.0	-137.0	06-06-2020
1	2	000917.00000000	LR	1		20K0N0N	2.000	10.000	1.0	-137.0	06-06-2020
1	2	000918.50000000	LR	1		20K0N0N	2.000	10.000	1.0	-137.0	06-06-2020
1	2	000920.00000000	LR	1		20K0N0N	2.000	10.000	1.0	-137.0	06-06-2020
1	2	000921.50000000	LR	1		20K0N0N	2.000	10.000	1.0	-137.0	06-06-2020
1	3	000902.25000000	LR	1		20K0N0N	2.000	10.000	1.0	-137.0	06-06-2020
1	3	000903.75000000	LR	1		20K0N0N	2.000	10.000	1.0	-137.0	06-06-2020
1	3	000910.00000000	LR	1		20K0N0N	2.000	10.000	1.0	-137.0	06-06-2020

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Antennas

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meter	Construct Deadline Date
1	3	000911.50000000	LR	1		20K0N0N	2.000	10.000	1.0	s-137.0	06-06-2020
1	3	000913.00000000	LR	1		20K0N0N	2.000	10.000	1.0	-137.0	06-06-2020
1	3	000915.00000000	LR	1		20K0N0N	2.000	10.000	1.0	-137.0	06-06-2020
1	3	000917.00000000	LR	1		20K0N0N	2.000	10.000	1.0	-137.0	06-06-2020
1	3	000918.50000000	LR	1		20K0N0N	2.000	10.000	1.0	-137.0	06-06-2020
1	3	000920.00000000	LR	1		20K0N0N	2.000	10.000	1.0	-137.0	06-06-2020
1	3	000921.50000000	LR	1		20K0N0N	2.000	10.000	1.0	-137.0	06-06-2020
1	4	000902.25000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	06-06-2020
1	4	000903.75000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	06-06-2020
1	4	000910.00000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	06-06-2020
1	4	000911.50000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	06-06-2020
1	4	000913.00000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	06-06-2020
1	4	000915.00000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	06-06-2020
1	4	000917.00000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	06-06-2020
1	4	000918.50000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	06-06-2020
1	4	000920.00000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	06-06-2020
1	4	000921.50000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	06-06-2020
2	1	000917.00000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	08-24-2013
2	1	000918.50000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	08-24-2013
2	1	000920.00000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	08-24-2013

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2	1	000915.00000000	LR	1		20K0N0N	2.000	16.000	1.5	s-137.0	08-24-2013
2	1	000921.50000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	08-24-2013
2	1	000902.25000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	08-24-2013
2	1	000903.75000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	08-24-2013
2	1	000910.00000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	08-24-2013
2	1	000911.50000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	08-24-2013
2	1	000913.00000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	08-24-2013
2	2	000902.25000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	06-06-2020
2	2	000903.75000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	06-06-2020
2	2	000911.50000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	06-06-2020
2	2	000910.00000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	06-06-2020
2	2	000913.00000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	06-06-2020
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2	2	000921.50000000	LR	1		20K0N0N	2.000	16.000	1.5	-137.0	06-06-2020
3	1	000902.25000000	LR	1		20K0N0N	2.000	16.000	2.0	-77.0	01-06-2021
3	1	000903.75000000	LR	1		20K0N0N	2.000	16.000	2.0	-77.0	01-06-2021
3	1	000910.00000000	LR	1		20K0N0N	2.000	16.000	2.0	-77.0	01-06-2021

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3	1	000913.00000000	LR	1		20K0N0N	2.000	16.000	2.0	-77.0	01-06-2021
3	1	000915.00000000	LR	1		20K0N0N	2.000	16.000	2.0	-77.0	01-06-2021
3	1	000917.00000000	LR	1		20K0N0N	2.000	16.000	2.0	-77.0	01-06-2021
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3	1	000920.00000000	LR	1		20K0N0N	2.000	16.000	2.0	-77.0	01-06-2021
3	1	000921.50000000	LR	1		20K0N0N	2.000	16.000	2.0	-77.0	01-06-2021
3	2	000902.25000000	LR	1		20K0N0N	2.000	10.000	1.0	-78.0	01-06-2021
3	2	000903.75000000	LR	1		20K0N0N	2.000	10.000	1.0	-78.0	01-06-2021
3	2	000910.00000000	LR	1		20K0N0N	2.000	10.000	1.0	-78.0	01-06-2021
3	2	000911.50000000	LR	1		20K0N0N	2.000	10.000	1.0	-78.0	01-06-2021
3	2	000913.00000000	LR	1		20K0N0N	2.000	10.000	1.0	-78.0	01-06-2021
3	2	000915.00000000	LR	1		20K0N0N	2.000	10.000	1.0	-78.0	01-06-2021
3	2	000917.00000000	LR	1		20K0N0N	2.000	10.000	1.0	-78.0	01-06-2021
3	2	000918.50000000	LR	1		20K0N0N	2.000	10.000	1.0	-78.0	01-06-2021
3	2	000920.00000000	LR	1		20K0N0N	2.000	10.000	1.0	-78.0	01-06-2021
3	2	000921.50000000	LR	1		20K0N0N	2.000	10.000	1.0	-78.0	01-06-2021
3	3	000902.25000000	LR	1		20K0N0N	2.000	10.000	1.0	-78.0	01-06-2021
3	3	000903.75000000	LR	1		20K0N0N	2.000	10.000	1.0	-78.0	01-06-2021
3	3	000910.00000000	LR	1		20K0N0N	2.000	10.000	1.0	-78.0	01-06-2021

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3	3	000911.50000000	LR	1		20K0N0N	2.000	10.000	1.0	s-78.0	01-06-2021
3	3	000913.00000000	LR	1		20K0N0N	2.000	10.000	1.0	-78.0	01-06-2021
3	3	000915.00000000	LR	1		20K0N0N	2.000	10.000	1.0	-78.0	01-06-2021
3	3	000917.00000000	LR	1		20K0N0N	2.000	10.000	1.0	-78.0	01-06-2021
3	3	000918.50000000	LR	1		20K0N0N	2.000	10.000	1.0	-78.0	01-06-2021
3	3	000920.00000000	LR	1		20K0N0N	2.000	10.000	1.0	-78.0	01-06-2021
3	3	000921.50000000	LR	1		20K0N0N	2.000	10.000	1.0	-78.0	01-06-2021
3	4	000902.25000000	LR	1		20K0N0N	2.000	16.000	2.0	-77.0	01-06-2021
3	4	000903.75000000	LR	1		20K0N0N	2.000	16.000	2.0	-77.0	01-06-2021
3	4	000910.00000000	LR	1		20K0N0N	2.000	16.000	2.0	-77.0	01-06-2021
3	4	000911.50000000	LR	1		20K0N0N	2.000	16.000	2.0	-77.0	01-06-2021
3	4	000913.00000000	LR	1		20K0N0N	2.000	16.000	2.0	-77.0	01-06-2021
3	4	000915.00000000	LR	1		20K0N0N	2.000	16.000	2.0	-77.0	01-06-2021
3	4	000917.00000000	LR	1		20K0N0N	2.000	16.000	2.0	-77.0	01-06-2021
3	4	000918.50000000	LR	1		20K0N0N	2.000	16.000	2.0	-77.0	01-06-2021
3	4	000920.00000000	LR	1		20K0N0N	2.000	16.000	2.0	-77.0	01-06-2021
3	4	000921.50000000	LR	1		20K0N0N	2.000	16.000	2.0	-77.0	01-06-2021

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Control Points

Control Pt. No. 1

Address: 4515 Kansas Ave

City: Kansas City **County:** WYANDOTTE **State:** KS **Telephone Number:** (913)551-4639

Associated Call Signs

WNVG805

Waivers/Conditions:

NONE