

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: UNION PACIFIC RAILROAD COMPANY

UNION PACIFIC RAILROAD COMPANY
1400 DOUGLAS ST, STOP 0640
OMAHA, NE 68179

Table with 2 columns: Call Sign (KKO311), File Number (0010820814), Radio Service (IG - Industrial/Business Pool, Conventional), Regulatory Status (PMRS), Frequency Coordination Number.

FCC Registration Number (FRN): 0001539048

Table with 4 columns: Grant Date (12-23-2023), Effective Date (12-23-2023), Expiration Date (01-25-2034), Print Date (12-23-2023).

STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

- Loc. 1 Address: 300 S OF 500 E HICKORY IN, City: DENTON, County: DENTON, State: TX, Lat (NAD83): 33-12-49.4 N Long (NAD83): 097-07-32.0 W ASR No.: Ground Elev: 189.0
Loc. 2 Address: HWY 377 1500 NE, City: DENTON, County: DENTON, State: TX, Lat (NAD83): 33-08-18.4 N Long (NAD83): 097-10-31.1 W ASR No.: Ground Elev: 198.0
Loc. 3 Address: W OF MPRR AT THE INT OF FRONT AND MAIN STS, City: ROANOKE, County: DENTON, State: TX, Lat (NAD83): 32-59-57.0 N Long (NAD83): 097-13-53.0 W ASR No.: 1060320 Ground Elev: 198.1
Loc. 4 Address: 4.2 MILES WEST, City: SHERMAN, County: GRAYSON, State: TX, Lat (NAD83): 33-38-09.0 N Long (NAD83): 096-41-53.0 W ASR No.: 1061224 Ground Elev: 259.4
Loc. 5 Address: MP 718 400 NE INT BELL & MINGO ST, City: DENTON, County: DENTON, State: TX, Lat (NAD83): 33-13-10.4 N Long (NAD83): 097-07-37.0 W ASR No.: Ground Elev: 189.0
Loc. 6 Address: 318 BROADWAY, City: WHITESBORO, County: GRAYSON, State: TX, Lat (NAD83): 33-39-06.4 N Long (NAD83): 096-54-09.0 W ASR No.: Ground Elev: 238.0

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.

Licensee Name: UNION PACIFIC RAILROAD COMPANY

Call Sign: KKO311

File Number: 0010820814

Print Date: 12-23-2023

Fixed Location Address or Mobile Area of Operation

Loc. 7 Area of operation

Operating within a 40.0 km radius around fixed location 4

Loc. 8 Area of operation

Operating within a 30.0 km radius around fixed location 2

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 meters	Construct Deadline Date
1	1	000160.4100000	FB	1		11K2F3E 4K00F1E	45.000	25.000	3.0	2.0	
1	1	000160.4700000	FB	1		11K2F3E 4K00F1E	45.000	25.000	3.0	2.0	
1	1	000160.5150000	FB	1		11K2F3E 4K00F1E	45.000	25.000	3.0	2.0	
2	1	000160.5150000	FB	1		11K2F3E 4K00F1E	75.000	95.000	52.0	54.0	
2	1	000160.6050000	FBC	1		11K2F3E 4K00F1E	75.000	95.000	52.0	54.0	
2	1	000160.7550000	FBC	1		11K2F3E 4K00F1E	75.000	95.000	52.0	54.0	
3	1	000160.5150000	FB	1		11K2F3E 4K00F1E	75.000	80.000	46.0	42.0	
4	1	000160.5150000	FB	1		11K2F3E 4K00F1E	75.000	67.000	91.0	124.0	
4	1	000160.6050000	FBC	1		11K2F3E 4K00F1E	75.000	67.000	91.0	124.0	
4	1	000160.7550000	FBC	1		11K2F3E 4K00F1E	75.000	67.000	91.0	124.0	
5	1	000160.4100000	FB	1		11K2F3E 4K00F1E	45.000	40.000	7.0	5.0	
5	1	000160.4700000	FB	1		11K2F3E 4K00F1E	45.000	40.000	7.0	5.0	

Licensee Name: UNION PACIFIC RAILROAD COMPANY

Call Sign: KKO311

File Number: 0010820814

Print Date: 12-23-2023

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 meters	Construct Deadline Date
5	1	000160.51500000	FB	1		11K2F3E 4K00F1E	45.000	40.000	7.0	5.0	
6	1	000160.41000000	FB	1		11K2F3E 4K00F1E	45.000	26.000	3.0	13.0	
6	1	000160.47000000	FB	1		11K2F3E 4K00F1E	45.000	26.000	3.0	13.0	
6	1	000160.51500000	FB	1		11K2F3E 4K00F1E	45.000	26.000	3.0	13.0	
6	2	000160.51500000	FB	1		11K2F3E 4K00F1E	65.000	295.000	39.0	26.0	05-14-2008
7	1	000161.02500000	MO	50		11K2F3E 4K00F1E	35.000	35.000			
7	1	000161.32500000	MO	50		11K2F3E 4K00F1E	35.000	35.000			
8	1	000161.02500000	MO	50		11K2F3E 4K00F1E	35.000	35.000			05-14-2008
8	1	000161.32500000	MO	50		11K2F3E 4K00F1E	35.000	35.000			05-14-2008

Control Points

Control Pt. No. 1

Address: 1400 DOUGLAS ST STOP 0650

City: OMAHA County: DOUGLAS State: NE Telephone Number: (402)544-0392

Associated Call Signs

KA2337, KAI655

<NA>

Licensee Name: UNION PACIFIC RAILROAD COMPANY

Call Sign: KKO311

File Number: 0010820814

Print Date: 12-23-2023

Waivers/Conditions:

NONE

Reference Copy