



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION CONSTRUCTION PERMIT

Authorizing Official:

Official Mailing Address:

BDJ RADIO ENTERPRISES, LLC
12 ROLLING ROCK LANE
ST. LOUIS MO 63124

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: July 02, 2021

Facility Id: 54739

Call Sign: KXEN

Permit File Number: BP-20210209AAF

This permit expires 3:00 a.m.
local time, 36 months after the
grant date specified above.

Change transmitter location and class of operation to Class D, ND2-U.

Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules.

Commission rules which became effective on February 16, 1999, have a bearing on this construction permit. See Report & Order, Streamlining of Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para. 77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998). Pursuant to these rules, this construction permit will be subject to automatic forfeiture unless construction is complete and an application for license to cover is filed prior to expiration. See Section 73.3598.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

Hours of Operation: Daytime with Secondary nighttime

Average hours of sunrise and sunset:
Local Standard Time (Non-Advanced)

Jan.	7:15 AM	5:00 PM	Jul.	4:45 AM	7:30 PM
Feb.	7:00 AM	5:45 PM	Aug.	5:15 AM	7:00 PM
Mar.	6:15 AM	6:00 PM	Sep.	5:45 AM	6:15 PM
Apr.	5:30 AM	6:30 PM	Oct.	6:15 AM	5:30 PM
May	4:45 AM	7:00 PM	Nov.	6:45 AM	4:45 PM
Jun.	4:30 AM	7:30 PM	Dec.	7:15 AM	4:45 PM

Callsign: KXEN

Permit No.: BP-20210209AAF

Name of Permittee: BDJ RADIO ENTERPRISES, LLC

Station Location: ST. LOUIS, MO

Frequency (kHz): 1010

Station Class: D

Antenna Coordinates:

Day

Latitude: N 38 Deg 38 Min 09 Sec

Longitude: W 90 Deg 11 Min 45 Sec

Night

Latitude: N 38 Deg 38 Min 09 Sec

Longitude: W 90 Deg 11 Min 45 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 0.160 Night: 0.014

Antenna Mode: Day: ND Night: ND

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1003524	

Night:

Tower No.	ASRN	Overall Height (m)
1	1003524	

Non-Directional Antenna: Day

Radiator Height: 160.8 meters; 195.2 deg

Theoretical Efficiency: 370.5 mV/m/kw at 1km

Non-Directional Antenna: Night

Radiator Height: 160.8 meters; 195.2 deg

Theoretical Efficiency: 370.5 mV/m/kw at 1km

Special operating conditions or restrictions:

- 1 A license application (FCC Form 302) to cover this construction permit must be filed with the Commission pursuant to Section 73.3536 of the Rules before the permit expires.
- 2 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.
- 3 Permittee shall install a type accepted transmitter, or submit application (FCC Form 301) along with data prescribed in Section 73.1660(b) should non-type accepted transmitter be proposed.
- 4 The tower is shunt excited with a vertical half wave dipole mounted in the center of one face. The tower electrical height of 195.2 degrees allows a current maxima to occur at the feed point in wire 279 which connects to wire 278 which is a vertical wire running from 207' to 450' up the tower with 8.7 amps at the wire base for 1 kW. Wires 280 and 281 extend down to opposite tower legs 60' above ground providing a counterpoise effect.
- 5 Before program tests are authorized, permittee shall submit sufficient data to establish that the inverse distance field at one kilometer is essentially 370.5 mV/m/kM/KW, as proposed.
- 6 In lieu of a special formula the FCC note that nighttime skywave calculations are to be undertaken using formula 73.160(b)(1) with an electrical height of 140 degrees and an inverse field strength of 370.5 mV/m @ 1 kM for 1 kW.

*** END OF AUTHORIZATION ***