



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

Authorizing Official:

Official Mailing Address:

SALEM MEDIA OF COLORADO, INC.
4880 SANTA ROSA RD #300
CAMARILLO CA 93012

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 58632

Call Sign: KRKS

Permit File Number: BP-20210927AFZ

Grant Date: December 20, 2021

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

Move towers less than two degrees on same property with similar orientation.

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: Unlimited

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	5:30 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	6:45 PM	Oct.	6:15 AM	5:15 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	4:30 PM

Callsign: KRKS

Permit No.: BP-20210927AFZ

Name of Permittee: SALEM MEDIA OF COLORADO, INC.

Station Location: DENVER, CO

Frequency (kHz): 990

Station Class: B

Antenna Coordinates:

Day

Latitude: N 39 Deg 47 Min 56 Sec

Longitude: W 104 Deg 58 Min 14 Sec

Night

Latitude: N 39 Deg 47 Min 58 Sec

Longitude: W 104 Deg 58 Min 14 Sec

Critical

Latitude: N 39 Deg 47 Min 56 Sec

Longitude: W 104 Deg 58 Min 14 Sec

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

Nominal Power (kW): Day: 6.5 Night: 0.39 Critical: 4.2

Antenna Mode: Day: ND Night: DA Critical: ND

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

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1059704	

Night:

Tower No.	ASRN	Overall Height (m)
1	1059702	
2	1059704	

Critical:

Tower No.	ASRN	Overall Height (m)
1	1059704	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 193.7
 Standard RMS (mV/m/km): Night: 203.6
 Augmented RMS (mV/m/km):
 Q Factor: Night:

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	90.0
2	0.8600	-93.000	95.0000	180.000	0	90.0

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Non-Directional Antenna: Day

Radiator Height: 75.7 meters; 90 deg

Theoretical Efficiency: 305.8 mV/m/kw at 1km

Non-Directional Antenna: Critical

Radiator Height: 75.7 meters; 90 deg

Theoretical Efficiency: 305.8 mV/m/kw at 1km

Inverse Distance Field Strength:

The inverse distance field strength at a distance of one kilometer from the above antenna in the directions specified shall not exceed the following values:

Night:

Azimuth:	Radiation:
23.7	24.2 mV/m
180.2	290.2 mV/m
336.3	24.2 mV/m

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 Before program tests are authorized, sufficient data shall be submitted to show that adequate filters, traps and other equipment has been installed and adjusted to prevent interaction, intermodulation and/or generation of spurious radiation products which may be caused by common usage of the same antenna system by Stations KRKS and KBJD, 1650 kHz, Denver, CO (BMP-981029AD), and there shall be filed with the license application copies of a firm agreement entered into by the two stations involved clearly fixing the responsibility of each with regard to the installation and maintenance of such equipment. In addition, field observations shall be made to determine whether spurious emissions exist and any objectionable problems resulting therefrom shall be eliminated. Following construction, and prior to authorization of program test under this grant, Stations KRKS and KBJD shall each measure antenna or common point resistance and submit FCC Form 302 as application notifying the return to direct measurement of power.
- 3 Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 75.7 meters in length except where bonded to the transverse copper strap between towers. A 7.3 m by 7.3 m copper ground screen is at the base of each tower.
- 4 The permittee/licensee 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.
- 5 The permittee must submit a proof of performance as set forth in either Section 73.151(a) or 73.151(c) of the rules before program tests are authorized.
A proof of performance based on field strength measurements, per Section 73.151(a), shall include a complete nondirectional proof of performance, in addition to a complete proof on the night directional antenna system. The nondirectional and directional field strength measurements must be made under similar environmental conditions. The proof(s) of performance submitted to the Commission must contain all of the data specified in Section 73.186 of the rules.
Permittees who elect to submit a moment method proof of performance, as set forth in Section 73.151(c), must use series-fed radiators. In addition, the sampling system must be constructed as described in Section 73.151(c) (2) (i).

*** END OF AUTHORIZATION ***