



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**AM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

SALEM COMMUNICATIONS HOLDING CORPORATION  
4880 SANTA ROSA ROAD  
CAMARILLO CA 93012

Son Nguyen  
Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 35504

Call Sign: KYCR

License File Number: BZ-20190322ABJ

Grant Date: **MAY - 9 2019**

This license expires 3:00 a.m.  
local time, April 01, 2021.

This license authorizes direct measurement of power following diplexing of station KDIJZ(AM), facility ID 10828, onto tower 3.

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Hours of Operation: Unlimited

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

Jan.	7:45 AM	5:00 PM	Jul.	4:45 AM	8:00 PM
Feb.	7:15 AM	5:45 PM	Aug.	5:15 AM	7:15 PM
Mar.	6:30 AM	6:15 PM	Sep.	5:45 AM	6:30 PM
Apr.	5:30 AM	7:00 PM	Oct.	6:30 AM	5:30 PM
May	4:45 AM	7:30 PM	Nov.	7:15 AM	4:45 PM
Jun.	4:30 AM	8:00 PM	Dec.	7:45 AM	4:30 PM

Name of Licensee: SALEM COMMUNICATIONS HOLDING CORPORATION

Station Location: GOLDEN VALLEY, MN

Frequency (kHz): 1440

Station Class: B

Antenna Coordinates:

Day

Latitude: N 44 Deg 59 Min 20 Sec

Longitude: W 93 Deg 21 Min 06 Sec

Night

Latitude: N 44 Deg 59 Min 20 Sec

Longitude: W 93 Deg 21 Min 06 Sec

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

Nominal Power (kW): Day: 5.0 Night: 0.50

Antenna Input Power (kW): Day: 5.0 Night: 0.54

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 3.19 Night: 3.29

Resistance (ohms): Day: 490 Night: 50

Non-Directional Antenna: Day

Radiator Height: meters; 137 deg

Theoretical Efficiency: 337.16 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1024693	

Night:

Tower No.	ASRN	Overall Height (m)
1	1024693	
2	1024694	
3	1024695	

## DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 245.7  
 Standard RMS (mV/m/km): Night: 258.48  
 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	137.0
2	0.4740	-150.900	74.0000	38.000	0	105.4
3	0.7520	172.700	74.0000	218.000	0	105.4

## \* Tower Reference Switch

0 = Spacing and orientation from reference tower  
 1 = Spacing and orientation from previous tower

## Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-168.9	1.28
3	165	1

Antenna Monitor: POTOMAC INSTRUMENTS 1901-3

Sampling System Approved Under Section 73.68 of the Rules.

## Monitoring Points:

## Night Operation:

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
113	2.51	8.6
323	2.55	11.2

## Special operating conditions or restrictions:

- 1 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.

## Special operating conditions or restrictions:

- 2 The ground system consists of 120 equally-spaced, buried copper radials 73.1 meters long, plus interspersed radials 15.2 meters long about the base of tower #1 (C); 55 equally spaced, buried copper radials 35.3 meters to 98.7 meters in length, about the base of tower #2 (NE); 71 equally spaced buried copper radials 33.5 meters to 99.1 meters long about the base of tower #3 (SW). A 7.3 meter square copper ground screen surrounds each tower.

- 3 Description of monitor points

Direction of 113-deg. true north: From the transmitter building entrance, turn right on Lilac Drive. This road turns westward and becomes the Highway 55 service road. Follow this road 0.8 miles to Douglas Drive. Turn left onto Douglas Drive and proceed to the intersection of Highway 55. Turn left onto Highway 55 eastbound and proceed 1.1 miles to Wirth Park Parkway. Turn right on Wirth Park Parkway and proceed 0.5 miles to Glenwood Avenue. Turn left on Glenwood Avenue and proceed 0.5 miles to Wirth Park Beach on the left side. Turn left into the parking lot. Monitor point is in the northeast corner of the Wirth Park Beach parking lot. The distance to the array is 2.51 km. The field intensity measured at this point should not exceed 8.6 mv/m nighttime.

Direction of 323-deg. true north: From the transmitter building entrance, turn right on Lilac Drive. This road turns westward and becomes the Highway 55 service road. Follow this road 0.8 miles to Douglas Drive. Turn right onto Douglas Drive to go northbound 1.5 miles to Medicine Lake Road. Turn left on Medicine Lake Road and proceed westbound 0.5 miles. Turn right into the parking lot at 7100 Medicine Lake Road. The monitor point is located near the west end of the parking lot, near the road. The distance to the array is 2.55 km. The field intensity measured at this point should not exceed 11.2 mV/m nighttime.

\*\*\* END OF AUTHORIZATION \*\*\*