



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

Authorizing Official:

Official Mailing Address:

SANGRE DE CRISTO BROADCASTING CO, INC  
304 S GRAND AVE.  
LAS VEGAS NM 87701

Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 58915

Call Sign: KNMX

License File Number: BL-19801010AF

Grant Date:

This license expires 3:00 a.m.  
local time, October 01, 2029.

This supersedes original authorization to include tower registration and all nighttime parameters. (JBS 4/7/23)

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: Daytime with Secondary nighttime

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

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

Callsign: KNMX

License No.: BL-19801010AF

Name of Licensee: SANGRE DE CRISTO BROADCASTING CO, INC

Station Location: LAS VEGAS, NM

Frequency (kHz): 540

Station Class: D

Antenna Coordinates:

Day

Latitude: N 35 Deg 34 Min 25 Sec

Longitude: W 105 Deg 10 Min 17 Sec

Night

Latitude: N 35 Deg 34 Min 25 Sec

Longitude: W 105 Deg 10 Min 17 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: 0.02

Antenna Input Power (kW): Day: 5.4 Night: 0.0216

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 9.695 Night: 0.657

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1045645	
2	1045644	

Night:

Tower No.	ASRN	Overall Height (m)
1	1045645	
2	1045644	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 655 Night: 45.96  
 Standard RMS (mV/m/km): Day: 688.15 Night: 48.29  
 Augmented RMS (mV/m/km):  
 Q Factor: Day: Night: 1.66

Theoretical Parameters:

Day 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	0.9500	110.000	90.0000	161.000	0	90.0

\* Tower Reference Switch

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

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	0.9500	110.000	90.0000	161.000	0	90.0

\* Tower Reference Switch

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

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	109	1

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	109	1

Antenna Monitor: AM-19 (204)

Sampling System Approved Under Section 73.68 of the Rules.

## Special operating conditions or restrictions:

- 1 Ground system consists of 120 equally spaced, buried, copper radials, each 138.9 meters in length except where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers, plus 120 interspersed radials 15.2 meters in length, about the base of each tower.

- 2 MONITOR POINT DESCRIPTIONS

122° True North - from intersection of Highway 65-104 and County Road 67, proceed south on County Road 67 approximately 7.56 km to point, located in center of road and marked by a white fencepost and stake in the west fence line, 9.85 km from site, max 3.9 mV/m daytime.

161° True North - from intersection of Highway 281 and entrance to US Government Department of Interior Game Reserve Office, request permission to enter property, then proceed east from Highway 281 approximately 0.66 km to point, located in center of road immediately west of a canal, marked by white stake in north fence line, 2.72 km from site, max 67.9 mV/m daytime. Access to this point is restricted by the US Government to only 8:00 AM to 2:30 PM local time weekdays (excluding holidays).

200° True North - from access road to transmitter site, proceed west for approximately 1.29 km to intersection with gravel country road, then south on gravel road approximately 2.78 km to point, located in center of road and marked by fencepost and large rock on east side of road, both painted white, 3.98 km from site, max 6.4 mV/m daytime.

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