

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BL-801010AF

Call Sign: K N M X

STANDARD BROADCAST STATION LICENSE

Subject to the provisions of the Communications Act of 1934, subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, ^{1/}the LICENSEE

SAN MIGUEL BROADCASTING COMPANY, INC.

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term ending 3 a.m. Local Time **OCTOBER 1, 1983**

The licensee shall use and operate said apparatus only in accordance with the following terms:

- On a frequency of **540** kHz.
- With nominal power of **----** watts nighttime and **5 kilo** watts daytime,
with antenna input power of **----** watts **----** directional
antenna nighttime
and antenna input power of **4700** watts **---** directional
antenna daytime

current	amperes
resistance	ohms,
current	9.695 amperes
resistance	50 ohms
- Hours of operation: **Daytime as follows:**
Average hours of sunrise and sunset:
Jan. 7:15 am to 5:15 pm; Feb. 6:45 am to 5:45 pm;
Mar. 6:15 am to 6:15 pm; Apr. 5:30 am to 6:30 pm;
May 5:00 am to 7:00 pm; June 4:45 am to 7:15 pm;
July 5:00 am to 7:15 pm; Aug. 5:15 am to 6:45 pm;
Sep. 5:45 am to 6:15 pm; Oct. 6:00 am to 5:30 pm;
Nov. 6:30 am to 5:00 pm; Dec. 7:00 am to 4:45 pm;
Mountain Standard Time (Non-Advanced)
- With the station located at: **Las Vegas, New Mexico**
- With the main studio located at: **615 E. Lincoln,**
Las Vegas, New Mexico
- Remote control point: **615 E. Lincoln,**
Las Vegas, New Mexico
- Transmitter location: **2.4 miles ESE of Las Vegas,**
North of Hwy. 6, 281, Las Vegas, New Mexico

North Latitude:	35 °	34 '	25 "
West Longitude:	105 °	10 '	17 "

- Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: **1, 3, 4, 13 & 21.**
- Transmitter(s): **Type Accepted**
- Conditions: **---**

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

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 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.

^{1/}This license consists of this page and pages **2 & 3.**

Dated: **February 13, 1981**

FEDERAL
COMMUNICATIONS
COMMISSION



File No.: BL-801010AF

Call Sign: KNMX

Date: 2-13-81

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA- D

No. and Type of Elements: Two vertical guyed steel series excited radiators of uniform-section of equal height. Standard RMS = 427.552mV/m
Theoretical RMS = 407.0mV/m.

Height above Insulators: 455.5' (90°)

Overall Height: 458.5'

Spacing and Orientation: 455.5 feet (90°) on a bearing of 161° true.

Non-Directional Antenna: None authorized

Ground System consists of 120 buried copper radials equally spaced 455.56' (90°) in length, except where bonded to a transverse copper strap, plus 120 additional copper radials on 50' in length equally spaced about the base of each tower.

2. THEORETICAL SPECIFICATIONS

	Tower	N#1	S#2
Phasing:	Day	0°	110°
Field Ratio:	Day	1.0	0.95

3. OPERATING SPECIFICATIONS

Phase Indication*:	Day	0°	109°
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Antenna Base			
Current Ratio:	Day	1.00	1.04

Antenna Monitor Sample			
Current Ratio:	Day	1.00	1.00

*As indicated by Potomac Instruments AM-19(204) antenna monitor.

EXEMPTIONS AS LISTED IN SECTION 73.68(b) OF THE RULES WILL APPLY DURING PROPER OPERATION OF APPROVED SAMPLING SYSTEM.

Field measuring equipment shall be available at all times and, after commencement of operation, the field strength at each of the monitoring points shall be measured at least once every seven days and an appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 122° true North. From the access road entrance to the KNMX transmitter site, proceed west on highway 281 approximately 0.8 miles to a curve, then north approximately 2.4 miles to the intersection with highway 65-104. Proceed east on Highway 65-104 approximately 6 miles to County Road 67. From here proceed south on County Road 67 approximately 4.7 miles to monitor point #1. This point is 6.12 miles from the KNMX transmitter on a bearing of 122° True. The point is in the center of the road and is marked by a white fencepost and stake in the west fenceline. The measured field intensity at this point should not exceed 3.9 mv/m.

MP#1

Direction of 161° true North. From the access road entrance to the KNMX transmitter site, proceed east on highway 281 approximately 0.2 miles to a curve and then south approximately 0.93 miles. Turn left and proceed directly to the United States Government Department of Interior Game Reserve office and request permission to enter the property. After permission has been granted, proceed east from highway 281 approximately 0.41 miles to monitor point #2. This point is 1.69 miles from the KNMX transmitter on a bearing of 161° True. The point is in the center of the road immediately west of a canal and is marked by a white stake in the north fenceline. The measured field intensity at this point should not exceed 67.9 mv/m.

MP#2

Note: Access to this point is restricted by the United States Government except during the hours 8:00 AM to 2:30 PM local time on weekdays excluding holidays. See exhibits 200 and 250 for more details.

Direction of 200° true North. From the access road to the KNMX transmitter site, proceed west approximately 0.8 miles to the intersection with a gravel county road, and then south on this gravel road approximately 1.73 miles to monitor point #3. This point is 2.47 miles from the KNMX transmitter on a bearing of 200° True. The point is in the center of the road and is marked by a fencepost and a large rock on the east side of the road which are both painted white. The measured field intensity at this point should not exceed 6.4 mv/m.

MP#3