FCC Form 352
May 1938

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

AM BROADCAST STATION LICENSE

File No. : BS-920626

Call Sign : K W I Z

LICENSEE:

LIBERMAN BROADCASTING, INC.

1. Community of License .....: Santa Ana, CA

2. Transmitter location .....: 3101 West Fifth
Santa Ana, CA

North latitude .....: 33° 45' 06"
West longitude .....: 117° 54' 38"

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

4. Main Studio location: (See Section 73.1125)

5. Remote control location:

6. Antenna and ground system: A T T A C H E D

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: None Required

8. Frequency .....: 1480 kHz

9. Nominal power (kW) .....: 5.0 Day 5.0 Night

Antenna input power (kW):

5.4 Day ☐ Non-directional antenna: ☒ Directional antenna : current 10.4 amperes; resistance 50 ohms.

5.4 Night ☐ Non-directional antenna: ☒ Directional antenna : current 10.4 amperes; resistance 50 ohms.

10. Hours of operation: Specified in BP-20,722 & BP-820218AE

11. Conditions .....:

Subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts, Treaties, and Commission rules made thereunder, and further subject to conditions set forth in this license,[1] the LICENSEE is hereby authorized to use and operate the radio transmitting apparatus herein described for the purpose of broadcasting for the term ending 3 A.M. Local Time December 1, 1997.

The Commission reserves the right during said license period of terminating this license or making effective any change, 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.

The license is issued on the licensee's representation that the statements contained in the 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, as amended. 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, as amended.

[1] This license consists of this page and pages

NPS:Y1

Dated: MAR 11 1993

FEDERAL COMMUNICATIONS COMMISSION

FCC Form 353-A

File NO. BS-920626 Call Sign: K W I Z

1. **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**
No. and Type of Elements: Four tapered, self supporting series excited vertical towers. Theo. RMS: 452.21 mV/m, Day; 456.89 mVm, Night. Standard RMS: 475.02 mV/m, Day; 479.95 mV/m, Night.

Height above Insulators: 53.34 m (94.7°)

Overall Height: 54.71 m

Spacing and Orientation: With tower #1 as reference, tower #2 is spaced 150° on a line bearing 30.75° T, tower #3 is spaced 90° on a line bearing 65.1° T and tower #4 is spaced 230° on a line bearing 43.19° T.

Non-Directional Antenna: None Used.

Ground System consists 120 radials #14 AWG SD copper about each tower base with 7.32 m by 7.32 m ground screen about each tower base and 0.1 m copper strap joining tower bases and along common chords, radials 60.96 m except along common chords.

2. **THEORETICAL SPECIFICATIONS**

Tower	SW(#1)	#2(NW)	#3(SE)	#4(NE)
Phasing				
Night	0°	110°	155°	265°
Day	---	170°	150°	0°
Field Ratio:				
Night	1.0	1.40	1.70	2.40
Day	---	0.9	1.00	1.0

3. **OPERATING SPECIFICATIONS**

Phase Indication*:				
Night	95°	-156°	-105°	0°
Day	---	168°	155.5°	0°
Antenna Base Current Ratio:				
Night	0.421	0.526	0.634	1.00
Day	---	0.778	1.07	1.00
Antenna Monitor Sample Current Ratio:				
Night	0.44	0.51	0.73	1.00
Day	---	0.798	1.02	1.00

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

Antenna sampling system approved under Section 73.68(b) rules.

DESCRIPTION OF AND FIELD STRENGTH OF MONITORING POINTS

Direction of 144.9° true North. 1.0 miles from the KWIZ parking lot, proceed east on West Fifth for 0.35 mile to Fairview, and south 0.25 mile to West First. Turn left and proceed 0.15 mile east of First to Sullivan. Turn south and proceed 0.45 mile on Sullivan to Monte Vista. Turn left 1 block on Monte Vista, left 1 block on Banner, right two blocks on Mark, and left on Clara to the end of the cul de sac. The point is on the west side of the street in the cul de sac. The field intensity measured at this point should not exceed 125.5 mV/m, Daytime.

Direction 305.7° true North. 0.9 miles leave the KWIZ/Garden Grove Golf Course parking lot and proceed west on west Fifth St. for 1 mile to New Hope. Turn right on New Hope and proceed 0.75 mile north to Westminster, turning right. Proceed just over 0.3 miles east on Westminster to the driveway of the Adnor Farms Dairy. The measurement point is at the inside edge of the sidewalk at the west side of the driveway. The field intensity measured at this point should not exceed 108 mV/m, Daytime.

Direction of 93° true North. 1.6 miles from the KWIZ parking lot, proceed east on Fifth for 0.35 mile to Fairview, north 0.2 miles on Fairview, and east 1.15 miles on West Eighth St. (Civic Center Boulevard) to Baker St. Baker St. extends to the north of Eight, and directly opposite it is a driveway into a parking lot. Proceed about 500 feet south on this driveway to its intersection with another driveway, at the end of the pavement. The point is at the pavement end, in the center of the driveway. The field intensity measured at this point should not exceed 38.9 mV/m, Nighttime.

Direction of 329.2° true North. 1.6 miles proceed from the parking lot west on West Fifth to New Hope, and north 1.4 miles on New Hope to Banner. Proceed east 0.27 mile on Banner To Rockinghorse. Proceed north on Rockinghorse 0.15 mile to a point opposite its intersection with Percheron. At this point there is an exitway in the chain link fence surrounding the playground of the Peters School. Proceed through this pedestrian gate to the most northerly baseball backstop. The point is in the field 30 feet south of the backstop. The field intensity measured at this point should not exceed 32 mV/m, Nighttime.