FCC Form 352
May 1988

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. : BZ-940830AA

AM BROADCAST STATION LICENSE

Call Sign : ~~KJJO~~ KTNF

LICENSEE: Roy H. Park Broadcasting of Minnesota, Inc. 57833

1. **Community of License...** : St. Louis Park, MN

2. **Transmitter location.....** : Intersection of State Hwy. 169 & County Rd. 66, One mile W. of Edina, MN

   North Latitude..... : 44° 52' 08"

   West Longitude..... : 93° 25' 11"

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:**
   Attached

7. **Obstruction marking and lighting specifications - FCC Form 715, paragraphs:** 1, 3, 11 & 21.

8. **Frequency.....** : 950 kHz

9. **Nominal power (kW).....** : 1.0 **Day** 1.0 **Night**

Antenna input power (kW) :

1.08 **Day** ☐ **Non-directional antenna** : **current** 4.65 **amperes: resistance** 50 **ohms.**
☒ **Directional antenna** :

1.08 **Night** ☐ **Non-directional antenna** : **current** 4.65 **amperes: resistance** 50 **ohms.**
☒ **Directional antenna** :

Hours of operation : BS-3756

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
April 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.

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 f or control by the Government of the United States conferred by section 606 of the Communications Act of 1934, as amended.

EAL:rao

[1] This license consists of this page and pages 2 & 3

Dated: FEB 15 1995

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1. **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

No. and Type of Elements: Three vertical, guyed, series-excited, steel radiators of uniform cross section. Day: Theoretical RMS: 313.8 mV/m @ 1 km., Augmented RMS: 331.5 mV/m @ 1 km. Night: Theoretical RMS: 281.6 mV/m @ 1km., Augmented RMS: 296.4 mV/m @ 1km. Q = 12.42 day, 15.96 night.

Height above Insulators: 78.9 m (90°)

Overall Height: 79.9 m

Spacing and Orientation: From reference tower C(#2), tower SW(#1) is spaced 52.7 m (60°) on a line bearing 207° true and tower NE(#3) is spaced 78.9 m (90°) on a line bearing 22° True.

Non-Directional Antenna: None used.

Ground System consists of 120 equally spaced, buried copper radials 78.9 m in length about the base of each tower. Radials are shortened and bonded to transverse copper straps midway between towers. Towers #1 & #2 have a 11 m x 11 m ground screen. Tower #3 has 120-15.2 m interspersed radials.

2. **THEORETICAL SPECIFICATIONS**

Towers:		#1(SW)	#2(C)	#3(NE)
Phasing:	Night:	155°	0°	-158°
	Day:	72°	-72°	--
Field Ratio:	Night:	0.6	1.0	0.6
	Day:	1.05	1.0	--

3. **OPERATING SPECIFICATIONS**

Phase Indication*:

Night:	138.5°	0°	-159.0°
Day:	0°	-122.0°	--

Antenna Base Current Ratio:

Night:	0.659	1.0	0.576
Day:	1.00	0.881	--

Antenna Monitor Sample Current Ratio:

Night:	0.67	1.00	0.58
Day:	1.00	0.87	--

* **As indicated by** Potomac Instruments AM-19 (204) Antenna Monitor.
Antenna sampling system approved under Section 73.68 (b) of the Rules.

DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:

Direction of 106° True North. From the transmitter proceed southeast on Valley View Road, which changes to Prairie Center Drive, to on-ramp of I-494 east. Access I-494 east and proceed 2.3 kilometers (1.4 miles) to road 169N exit. Exit to road 169N and turn left (N) and proceed 0.56 kilometer (0.35 mile) to monitor point. Monitor point is on east shoulder of road 169N at this location. This is Night Point No. 4 of the survey and is 2.01 kilometers (1.25 miles) from the transmitter. The field intensity measured at this point should not exceed 24.2 mV/m, night.

Direction of 157° True North. From the 106° True monitor point, proceed north 0.56 kilometer (0.35 mile) to Valley View Road exit off of road 169N. Reverse direction from north to south at this exit and proceed south on road 169N, which changes to county road 18 for 6.4 kilometers (4 miles) to Pioneer Trail. Turn left (E) and proceed 0.53 kilometer (0.33 mile) to Zinron Avenue. Turn right on Zinron and proceed 0.37 kilometer (0.23 mile) to W. 104th Street. Turn left on W. 104th and proceed 0.16 kilometer (0.1 mile) to Xylon Road. Turn left on Xylon Road and proceed 0.05 kilometer (0.03 mile) to monitor point. Monitor point is on walk in front of 10356 Xylon Road. This is Night Point No, 7 and Day Point No. 404 of the survey and is 6.44 kilometers (4.0 miles) from the transmitter. The field intensity measured at this point should not exceed 16.5 mV/m, night; 7.3 mV/m, day.

Direction of 207° True North. From 157° True monitor point return to County Road 18. Continue across County Road 18 for 4.3 kilometers (2.7 miles) on Pioneer Trial, which becomes County Road 1. Monitor point is five paces before center of gate, abreast of wooden reflector post in airport parking lot. This is Night Point No. 9 and Day Point No. 506 of the survey and is 4.94 kilometers (3.07 miles) from the transmitter. The field intensity measured at this point should not exceed 30.1 mV/m, night; 29.4 mV/m, day.

Direction of 250° True North. From 207° True monitor point, continue west on Pioneer Trail for 2.82 kilometers (1.75 miles) to County Road 4. Turn right (N) on County Road 4 and proceed 1.8 kilometers (1.1 miles) to Scenic Heights Road. Turn right (E) on Scenic Heights Road and proceed 0.77 kilometer (0.48 mile) to monitor point. Monitor point is south of road on bike trail abreast of tree in front yard of 8220 View Lane. This is Night Point No. 8 of the survey and is 4.78 kilometers (2.97 miles) from the transmitter. The field intensity measured at this point should not exceed 18.5 mV/m, night.

Direction 274° True North. From the 250° True monitor point, return to County Road 4. Turn right (N) on County Road 4 and proceed 2.17 kilometers (1.35 miles) to Edgewood Drive. Turn right (E) and proceed 0.16 kilometer (0.1 mile) to monitor point. Monitor point is at the corner of Augusta Lane and Edenwood Drive, at the edge of the pavement abreast of the street sign. This is Night Point No. 7 of the survey and is 5.07 kilometers (3.15 miles) from the transmitter. The field intensity measured at this point should not exceed 18.7 mV/m, night.