FCC Form 352
May 1988

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

AM BROADCAST STATION LICENSE

File No. : BL-880729AE

Call Sign : KSSS

LICENSEE:

KVUU/KSS, INC.

1. Community of License : Colorado Springs, Colorado

2. Transmitter location : East side of Thompson Road
0.65 miles south of
Walker Road
Black Forest Colorado

North latitude : 39 ° 05 ' 02 "
West longitude : 104 ° 42 ' 41 "

6. Antenna and ground system: Attached

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)
2864 South Circle Drive
El Paso
Colorado Springs, Colorado

5. Remote control location:

(Same)

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

8. Frequency : 740 kHz

9. Nominal power (kW) : 3.3 Day 1.5 Night

Antenna input power (kW) :

3.6 Day ☐ Non-directional antenna: ☒ Directional antenna : current 8.44 amperes; resistance 50 ohms.

1.6 Night ☐ Non-directional antenna: ☒ Directional antenna : current 5.69 amperes; resistance 50 ohms.

10. Hours of operation: Specified in BP-861020AM

11. Conditions : ----

3-30-93: This supersedes authorization as of same date to correct the obstruction marking and lighting requirements. DB

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 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 2, 3, 4 & 5

Dated: JAN 12 1989 JS/emd

FEDERAL COMMUNICATIONS COMMISSION

JAN 13 1989

FCC Form 353-A

June 1980
File No. BL-880729AE Call Sign - KSSS DA-2

1. **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

No. and Type of Elements: Six(6) guyed, series excited towers. Theoretical RMS: 530.34 mV/m/km, day 414.33 mV/m/km, night; Standard RMS: 557.192 mV/m/km; 435.99 mV/m/km, Night. Q= 18.166, day; 27.416, night. Tower #6 has STL antenna side mounted.

Height above Insulators: 332 ft. (101.2 m), 90°

Overall Height: 335 ft. (102.1 m)

Spacing and Orientation: Night: With tower # 1 as reference tower #2 is 90° away at a bearing of 183° TN, tower # 3 is 183° at a bearing of 184° TN and tower # 4 is 270° away at a bearing of 184° TN, Day: With tower #3 as reference, tower #4 is 87° away at a bearing of 184° TN, tower # 5 181° at a bearing of 294° TN and tower # 6 is 205° away at a bearing of 265° TN.

Non-Directional Antenna: Not Authorized

Ground System consists of 120 equally spaced, bureid, copper radials about the base of each tower extending to property boundaries, copper straps or where intersecting radials are shortened and bonded. Plus 120 interspersed radials 50 feet in length about the base of each tower.

2. **THEORETICAL SPECIFICATIONS**

Tower	N(#1)	NC (#2)	C(#3)	SC(#4)	NE(#5)	SE(#6)
Phasing:						
Night:	0°	202°	40°	240°	- - -	- - -
Day:	- - -	- - -	0°	246 °	349°	254 °
Field Ratio:						
Night:	1.0	2.0	2.0	0.9	- - -	- - -
Day	- - -	- - -	1	.89	.93	.84

3. **OPERATING SPECIFICATIONS**

Tower	N(#1)	NC(#2)	C(#3)	SC(#4)	NE(#5)	SE (#6)
Phase Indication*:						
Night:	35.5°	164°	0°	-166°	- - -	- - -
Day:	- - -	- - -	0°	-113.5°	-10.5°	-104.5°
Antenna Base Current Ratio						
Night:	0.491	1.051	1.0	0.503	- - -	- - -
Day	- - -	- - -	1.0	0.926	0.867	0.860

Antenna Monitor Sample Current Ratio:

Night	0.48	1.0	1.0	0.48	- - -	- - -
Day	- - -	- - -	1.0	0.89	0.93	0.84

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

Antenna sampling system aproved under section 73.68(b) rules

DESCRIPTION OF FIELD STRENGHTS AT MONITORING POINTS

Direction of 44 degrees True North. From the transmitter building follow Thompson Road North to Walker Road. Turn right (East) on Walker Road and follow Walker as it jogs left (North) and then right (East). Continue East to Campbell Road and turn left (North) on Campbell. Follow Campbell Road as it jogs right (East) and then left (North). Continue North on Campbell Road .24 KM (.15 miles) past the intersection of Campbell Road and White Antelope. The monitoring point is on the East side of the road by the red/yellow stake near the ditch. The monitor point is #18 on the proof and is 4.7 km (2.9 miles) from the array. The field intensity measured at this point should not exceed 7.2 mV/m Nighttime.

Direction of 74 degrees true North. From the transmitter building follow Thompson road North to Walker Road. Turn right (East) and follow Walker Road as it jogs left (North) and then right (East). Continue East on Walker Road past the intersection of Campbell Road and Walker Road. Turn right (Southeast) on Tablerock and continue to Clydesdale. Turn left (North) on Clydesdale and proceed .75 km (.47 miles) to the monitor point which is identified by an orange fence post on the West side of the road. The monitor point is # 18 on the proof and is 5.3 km (3.28 miles) from the array. The field intensity measured at this point should not exceed 10.7 mV/m Nighttime.

Direction of 119.5 degrees True North. From the transmitter building follow Thompson Road South to Hodgen Road. Turn left (East) and proceed East to Vollmer Road. Turn right (South) and go 1.1 km (.67 miles) to the monitoring point which is located at the intersection of Windfall Way and Vollmer Road. The monitoring point is #15 on the proof and is 4.8 km (3.0 miles) from the array. The field intensity measured at this point should not exceed 7.0 mV/m Nighttime.

Direction of 250.5 degrees True North. From the transmitter building follow Thompson Road South to Hodgen Road. Turn right (West) and proceed due West to Highway 83. Turn left (South) on Highway 83 and go .17 km (.10 miles). The monitor point is located on the East side of Highway 83 and is marked by an orange fence post. The monitor point is #18 on the proof and is 4.6 km (2.85 miles) from the array. The field intensity measured at this point should not exceed 3.6 mV/m Nighttime.

Direction of 289 degrees True North. From the transmitter building follow Thompson Road North to Walker road. Turn left (West) and take Walker Road to Highway 83. Turn left (south) on Highway 83 and go .13 km (.08 miles) to the monitor point which is located on the West side of the road and marked by an orange fence post. The monitor point is #16 on the proof and is 5.4 km (3.35 miles) from the array. The field intensity measured at this point should not exceed 7.2 mV/m Nighttime.

Direction of 47.5 degrees True North. From the transmitter building follow Thompson Road North to Walker Road. Turn right (East) and follow Walker Road as it jogs left (North) and then right (East) to Campbell Road. Turn left (North) and follow Campbell Road as it jogs right (East). Follow Campbell Road East to the intersection of Campbell Road and White Antelope. Proceed East .14 km (.09 miles) on White Antelope to monitoring point by reflector posts. The monitor point is # 17 on the proof and is 4.15 km (2.58 miles) from the array. The field intensity measured at this point should not exceed 26.5 mV/m Daytime.

Direction of 89 degrees True North. From the transmitter building follow Thompson Road North to Walker Road. Turn right (East) and follow Walker Road to Bar X Road. Turn right (South) and follow Bar X Road as it jogs left (East) and then right (South). Continue South .24 km (.15 miles) to the monitoring point, marked by orange paint on fence post on the East side of the road. The montor point isd # 17 on the proof and is 3.4 km (2.12 miles) from the array. The field intensity measured at this point should not exceed 29.4 mV/m Daytime.

Direction of 135.5 degrees True North. From the transmitter building follow Thompson Road South to Hodgen Road. Turn left (East) on Hodgen Road and proceed due East to Vollmer Road. Turn right (South) on Vollmer road and proceed South 1.1 km (.68 miles) to the monitor point located .02 km (.01 miles) North of Coachman Road. The point is located on the right hand side (East) of Vollmer Road. The monitor point is #11 on the proof and is 6.15 km (3.82 miles) from the array. The field intensity measured at this point should not exceed 8.5 mV/m Daytime.

Direction of 268 degrees True North. From the transmitter building follow Thompson Road South to Hodgen Road. Turn right (West) and go to Highway 83. Turn right (North) and drive 1.3 km (.79 miles) to the monitor point which is located on the right hand (East) side of the road. The monitor point is #17 on the proof and is 4.9 km (3.02 miles) from the array. The field intensity measured at this point should not exceed 29.3 mV/m Daytime.

Direction of 350 degrees True North. From the transmitter building follow Thompson Road North to Walker Road. Turn right (East) and go to Highway 189 (also known as Black Forest Road). Turn left (North) and go to County Line Road (also known as Palmer Divide Road). Turn left (West) and proceed to Elk Creek Drive East. The monitor point is on the North side of the road at the intersection of County Line Road and Elk Creek Drive East. The monitor point is #18 on the proof and is 5.2 km (3.25 miles) from the array. The field intensity measured at this point should not exceed 26.9 mV/m Daytime.