

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BL-811211AG

Call Sign: K L I X

STANDARD BROADCAST STATION LICENSE
MODIFIED

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, the LICENSEE

SAWTOOTH RADIO CORPORATION

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:

1. On a frequency of 1310 kHz.
2. With nominal power of 2.5 kilo watts nighttime and 5 kilo watts daytime,
with antenna input power of 2700 watts directional Common Point current 7.35 amperes
antenna nighttime Common Point resistance 50 ohms,
and antenna input power of 5000 watts nondirectional Antenna current 8.91 amperes
antenna daytime Antenna resistance 63 ohms

3. Hours of operation: Unlimited Time.
Average hours of sunrise and sunset:
Jan. 8:00 am to 5:30 pm; Feb. 7:30 am to 6:15 pm;
Mar. 7:00 am to 6:45 pm; Apr. 6:00 am to 7:15 pm;
May 5:15 am to 7:45 pm; June 5:00 am to 8:15 pm;
July 5:15 am to 8:15 pm; Aug. 5:45 am to 7:45 pm;
Sep. 6:15 am to 6:45 pm; Oct. 6:45 am to 6:00 pm;
Nov. 7:30 am to 5:15 pm; Dec. 8:00 am to 5:00 pm;
Mountain Standard Time (Non-Advanced)

4. With the station located at: Twin Falls, Idaho
5. With the main studio located at: Elizabeth Blvd., and Eastland Drive
Twin Falls, Idaho

6. Remote control point: ---

7. Transmitter location: 3500
1.25 mi. N. of Kimberly on 3400 East Road North Latitude: 42° 33' 06"
Twin Falls, Idaho West Longitude: 114° 22' 03"

Phase 4 S. NW N. NE Degrees
Loop I 0 72° 93° 54°
1 .62 .79 .91 Amps

8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: None required.
9. Transmitter(s): Type Accepted
10. 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 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.

FEDERAL
COMMUNICATIONS



Dated: March 23, 1982

BC--208

CP. FILE NO. BP-790709AF

FILE NO. BL-811211AG

June 1980

SPECS. FOR DIRECTIONAL OPERATION OF KLIIX, Twin Falls, Idaho

FREQ: 1310 kHz Nominal Power: 2.5 kW, 5 kW-LS, DA-N, U

Antenna Input Power: 2700 Watts night

5000 Watts Day

Date:

DA-N

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Four, guyed, series excited, uniform cross section towers. Theoretical RMS; 291.1 mV/m, night Standard RMS: 306.57 mV/m Night.

Height above Insulators: 204 ft. (97.8°)

Overall Height: 207 ft.

Spacing and Orientation: With tower #1(G) as reference; tower #2 is 251.3° (524.1 ft.) at 330.1° TN; tower #3 is 347.9° (725.6 ft) at 12.6° TN; and tower #4 is 192.4° (401.3 ft) at 51.1° TN.

Non-Directional Antenna: #3 day

Ground System consists of 120 radials of #6 copper wire around each tower with radials terminating in a 2" copper ground base at intersections between towers.

2. THEORETICAL SPECIFICATIONS

	TOWER	S(#1)	NW(#2)	N(#3)	NE(#4)
Phasing:	NIGHT:	0°	49.8°	64.4°	28°
Field Ratio:	NIGHT:	1	0.1	0.8	0.95

3. OPERATING SPECIFICATIONS

Phase Indication*:	NIGHT:	0°	72°	93°	54°
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Antenna Base					
Current Ratio:	NIGHT:	1.00	0.646	0.819	0.927

Antenna Monitor Sample					
Current Ratio:	NIGHT:	1.00	0.620	0.790	0.91

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

The field strength in mV/m measured at the described monitoring points is not to exceed the following values:

20° true	=	65.6 mV/m
93° true	-	26.9 mV/m
179° true	=	69.5 mV/m
235.5° true	=	22.3 mV/m
286° true	-	138 mV/m

FIG. 4.1

MONITOR POINT - 20°
Sawtooth Radio Corporation
Twin Falls, ID



LOOKING NORTH

Direction of 20° True. From KLIX transmitter turn left on 3500 East Road and proceed north 1.7 miles to Falls Avenue. Turn right and proceed east 0.5 miles to point. Point is on the north side of the road, across from the Cox mailbox and lies 1.80 miles from the antenna.

FIG. 4.2

MONITOR POINT - 93°
Sawtooth Radio Corporation
Twin Falls, ID

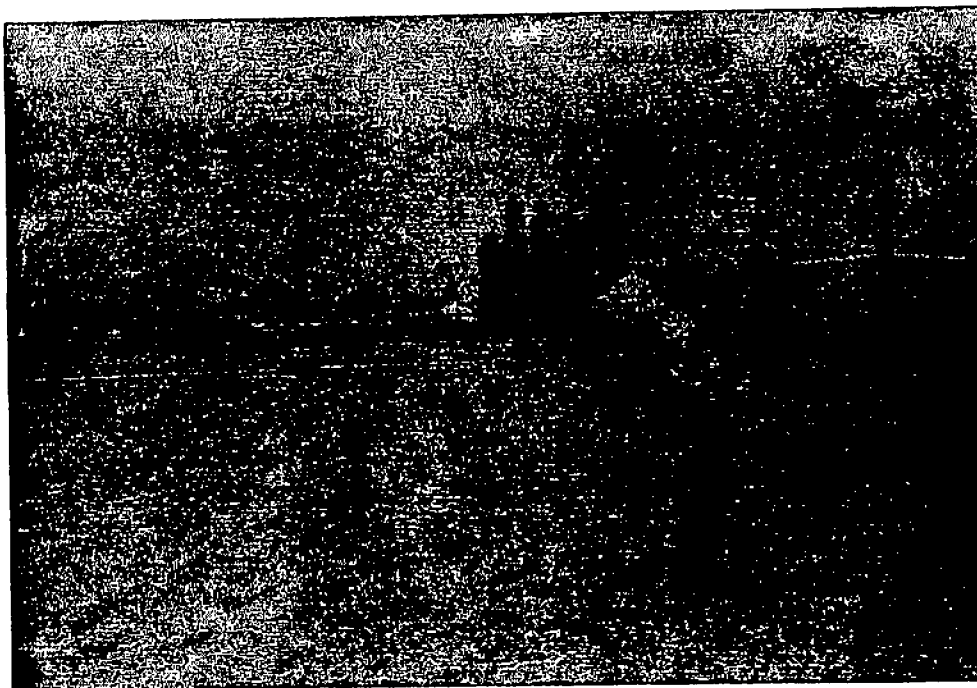


LOOKING SOUTH

Direction of 93° True. From KLIX transmitter turn right on 3500 East Road and proceed south 0.3 miles to Kimberly Road. Turn left and proceed east 3.0 miles to 3800 East Road. Turn left and proceed north 0.2 miles to point. Point is on the west side of the road and lies 3.10 miles from the antenna.

FIG. 4.3

MONITOR POINT - 179°
Sawtooth Radio Corporation
Twin Falls, ID



LOOKING NORTH

Direction of 179° True. From KLIX transmitter turn right on 3500 East Road and proceed south 1.85 miles to Gem Drive. Turn right and proceed west 0.1 miles to where the road turns to the north. Point is 5 paces west of the road at this turn and lies 1.90 miles from the antenna.

FIG. 4.4

MONITOR POINT - 235.5°
Sawtooth Radio Corporation
 Twin Falls, ID



LOOKING NORTH

Direction of 235.5° True. From KLIX transmitter turn right on 3500 East Road and proceed south 0.3 miles to Kimberly Road. Turn right and proceed west 2.0 miles to 3300 East Road. Turn left and proceed south 1.0 miles to 3700 North Road. Turn right and proceed west 0.2 miles to point. Point is 14 paces south of the road and lies 2.30 miles from the antenna.

FIG. 4.5

MONITOR POINT - 286°
Sawtooth Radio Corporation
Twin Falls, ID



LOOKING NORTH

Direction of 286° True. From KLIX transmitter turn left on 3500 East Road and proceed north 0.7 miles to Addison Avenue. Turn left and proceed west 2.0 miles to 3300 East Road. Turn left and proceed south 0.2 miles to point. Point is on the east side of the road at the irrigation ditch and lies 1.80 miles from the antenna.