



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**AM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

STECKLINE COMMUNICATIONS, INC.  
 1632 SOUTH MAIZE ROAD  
 WICHITA KS 67209

Son Nguyen  
 Son Nguyen  
 Supervisory Engineer  
 Audio Division  
 Media Bureau

Facility Id: 53150

Call Sign: KGSO

License File Number: BZ-20161115ACV

Grant Date: **MAR 30 2017**  
 This license expires 3:00 a.m.  
 local time, June 01, 2021.

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

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 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. 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.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:  
 Local Standard Time (Non-Advanced)

Jan.	7:45 AM	5:30 PM	Jul.	5:15 AM	7:45 PM
Feb.	7:15 AM	6:15 PM	Aug.	5:45 AM	7:30 PM
Mar.	6:45 AM	6:30 PM	Sep.	6:15 AM	6:45 PM
Apr.	6:00 AM	7:00 PM	Oct.	6:30 AM	6:00 PM
May	5:15 AM	7:30 PM	Nov.	7:15 AM	5:15 PM
Jun.	5:00 AM	8:00 PM	Dec.	7:30 AM	5:15 PM

Name of Licensee: STECKLINE COMMUNICATIONS, INC.

Station Location: WICHITA, KS

Frequency (kHz): 1410

Station Class: B

Antenna Coordinates:

Day

Latitude: N 37 Deg 44 Min 05 Sec

Longitude: W 97 Deg 21 Min 06 Sec

Night

Latitude: N 37 Deg 44 Min 05 Sec

Longitude: W 97 Deg 21 Min 06 Sec

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

Nominal Power (kW): Day: 5.0 Night: 1.0

Antenna Input Power (kW): Day: 5.4 Night: 1.08

Antenna Mode: Day: DA Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 10.4 Night: 4.65

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1032612	
2	1032613	
3	1032615	

Night:

Tower No.	ASRN	Overall Height (m)
1	1032611	
2	1032612	
3	1032613	
4	1032614	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 709.72 Night: 299.34

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 748.12 Night: 315

Q Factor: Day: 22.36 Night: 10

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.3780	-115.000	0.0000	0.000	0	90.0
2	0.5810	115.000	178.6000	42.000	0	90.0
3	1.0000	2.000	90.0000	49.000	0	90.0

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	0.0	31.0	80.47
2	16.0	32.0	99.78
3	32.0	32.0	109.44
4	48.5	33.0	96.56
5	65.0	15.0	72.42
6	72.5	15.0	80.47
7	128.0	12.0	441.88
8	134.0	11.0	522.23
9	139.5	11.0	598.56
10	292.0	16.0	776.03
11	300.0	16.0	621.46
12	314.5	29.0	393.34
13	329.0	29.0	178.23
14	344.5	31.0	80.47

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	90.0
2	0.5500	18.000	258.0000	75.000	0	90.0
3	0.8460	128.000	90.0000	35.000	1	90.0

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
4	1.5400	110.000	258.0000	255.000	1	90.0

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	27.0	16.0	67.59
2	27.0	10.0	92.54
3	35.0	10.0	106.22
4	75.0	10.0	131.84
5	130.0	10.0	168.98
6	191.0	10.0	541.58
7	217.0	10.0	230.14
8	295.0	10.0	157.72

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1		
2	0	1
3	106.6	0.649
4		
5	-116.9	0.414

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	34.2	0.568
3	133	0.852
4	111.2	1.425
5		

Special operating conditions or restrictions:

5 DESCRIPTION TO MONITORING POINTS:

Direction of 32° True North: To reach this point from the transmitter site, proceed north 0.2 mile to 29th Street North, turn east 0.9 mile to Broadway Avenue. Drive north on Broadway 3.0 miles to 53rd Street North. Drive east on 53rd Street 1.2 miles. The reading is taken on the north side of 53rd Street. The distance from the antenna is 6.03 kilometers or 3.75 miles. The field intensity measured at this point should not exceed 6.3 mV/m Daytime.

Direction of 65° True North: To reach this point from the 32° monitor point, proceed east on 53rd Street 0.8 miles to Hillside Avenue. Drive south on Hillside 1.9 miles. The reading is taken on the east side of the avenue. The distance from the antenna is 5.07 kilometers or 3.15 miles. The field intensity measured at this point should not exceed 12.42 mV/m Daytime.

Direction of 134° True North: To reach this point from the 65° monitor point, proceed south on Hillside Avenue 2.6 miles to 17th Street North. Drive west on 17th Street 1.0 mile to Hydraulic Avenue. Turn south on Hydraulic two blocks to 15th Street North. Drive west on 15th Street, under I-135, 0.25 miles. The reading is taken in the park, east of the roadway. The distance from the antenna is 3.62 kilometers or 2.26 miles. The field intensity measured at this point should not exceed 148 mV/m Daytime.

Direction of 27° True North: This monitor point is the same as measurement point No. 216. To reach this point, from the transmitter site, proceed north 0.2 mile to 29th Street North, turn east 0.9 miles to Broadway Avenue. Drive north on Broadway 3.0 miles to 53rd Street North. Drive east on Broadway 3.0 miles to 53rd Street 0.8 mile. The reading is taken in the middle of the street, just east of I-135. The distance from the antenna is 5.79 kilometers or 3.6 miles. The field intensity measured at this point should not exceed 13.0 mV/m Nighttime.

Direction of 35° True North: This monitor point is the same as measurement point No. 304. To reach this point from the 27° monitor point, proceed east on 53rd Street 0.6 miles. The reading is taken in the middle of the road. The distance from the antenna is 6.28 kilometers or 3.9 miles. The field intensity measured at this point should not exceed 14.0 mV/m Nighttime.

Direction of 75° True North: This monitor point is the same as measurement point No. 502. To reach this point from the 35° monitor point, proceed east on 0.6 mile to Hillside Avenue. Drive south on Hillside 2.45 miles. The reading is taken in the field 2000 feet west of the road. The distance from the antenna is 4.59 kilometers or 2.85 miles. The field intensity measured at this point should not exceed 17.0 mV/m Nighttime.

Direction of 130° True North: This monitor point is the same as measurement point No. 709. To reach this point from the 75° monitor point, proceed south on Hillside 3.55 miles to Central Avenue. Drive east on Central 1.5 miles to Edgemoor Avenue. Turn south on Edgemoor 0.9 mile to the east entrance of the Veteran's Hospital. Proceed west on the Veteran's driveway 0.2 miles to a point in line with the east edge of the main building. The reading is taken on the south side of the curved driveway. The distance from the antenna is 9.41 kilometers or 5.85 miles. The field intensity measured at this point should not exceed 9.4 mV/m Nighttime.

.Special operating conditions or restrictions:

- 6 Direction of 191° True North: This monitor point is the same as measurement point No. 1122. To reach this point from the 130° monitor point, proceed west on Kellogg Avenue 4.5 miles to Seneca Street. Exit north on Seneca and go 1.1 miles to Stackman Drive. Continue north on Stackman Drive 0.2 mile to Pine Street. Go west on Pine three blocks to Woodrow Street. Drive one block north on Woodrow to Murdock Street. Go one block west on Murdock to Collidge Street. The reading is taken in the field 150 feet south of the south sidewalk on Murdock, in line with the east side of Collidge Street. The distance from the antenna is 4.18 kilometers or 2.6 miles. The field intensity measured at this point should not exceed 90.0 mV/m Nighttime.

Direction of 217° True North: This monitor point is the same as measurement point No. 1206. To reach this point from the 191° point, return to Seneca and Stackman Drive. Go south on Seneca 0.9 mile to Maple Street. Turn west on Maple 2.6 miles to Clara Street. The reading is take 100 feet north of the new north like of Maple in the center of Clara. The distance from the antenna is 7.56 kilometers or 4.76 miles. The field intensity measured at this point should not exceed 21.0 mV/m Nighttime.

Direction of 295° True North: This monitor point is the same as measurement point No. 1401. To reach this point from the transmitter site, proceed north 0.2 miles to 29th Street North, turn west 1.05 miles to Meridian Avenue. Go north 0.2 miles to where Meridian turns into McLean Avenue. Proceed northeast on McLean one short block to its intersection with Sedgwick Street. The reading is taken in the field northwest of the intersection. The distance from the antenna is 1.93 kilometers or 1.2 miles. The field intensity measured at this point should not exceed 78.0 mV/m Nighttime.

\*\*\* END OF AUTHORIZATION \*\*\*

**LICENSE RENEWAL AUTHORIZATION**

THIS IS TO NOTIFY YOU THAT YOUR APPLICATION FOR RENEWAL OF LICENSE, BR-20130129AMH, WAS GRANTED ON 07/13/2017 FOR A TERM EXPIRING ON 06/01/2021.

THIS IS YOUR LICENSE RENEWAL AUTHORIZATION FOR STATION KG90-COMMUNICATIONS

FACILITY ID: 53150

LOCATION: WICHITA, KS

THIS CARD MUST BE POSTED WITH THE STATION'S LICENSE CERTIFICATE AND ANY SUBSEQUENT MODIFICATIONS.



FEDERAL COMMUNICATIONS

COMMISSION

WASHINGTON, DC 20554

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FIRST CLASS MAIL

OFFICIAL BUSINESS

07/13/2017

PENALTY FOR PRIVATE USE \$300

**\$000.469**



ZIP 20743  
011E11573561

STECKLINE COMMUNICATIONS, INC.  
1632 SOUTH MAIZE ROAD  
WICHITA, KS 67209

FCC 372-B (02/00) NOTIFICATION

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