



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

Townsquare License, LLC
1 Manhattanville Road
Suite 202
Purchase NY 10577

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 61322

Call Sign: KSOO

License File Number: BL-20030127AEI

Grant Date: May 27, 2003

This license expires 3:00 a.m.
local time, April 01, 2005.

This License Covers Permit No.: BP-20020322AAA

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: Daytime with Secondary nighttime

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

Jan.	8:00 AM	5:15 PM	Jul.	5:00 AM	8:00 PM
Feb.	7:30 AM	6:00 PM	Aug.	5:30 AM	7:30 PM
Mar.	6:45 AM	6:30 PM	Sep.	6:00 AM	6:45 PM
Apr.	5:45 AM	7:15 PM	Oct.	6:45 AM	5:45 PM
May	5:00 AM	7:45 PM	Nov.	7:15 AM	5:00 PM
Jun.	4:45 AM	8:15 PM	Dec.	7:45 AM	4:45 PM

Callsign: KSOO

License No.: BL-20030127AEI

Name of Licensee: Townsquare License, LLC

Station Location: SIOUX FALLS, SD

Frequency (kHz): 1000

Station Class: D

Antenna Coordinates:

Day

Latitude: N 43 Deg 29 Min 13 Sec

Longitude: W 96 Deg 35 Min 48 Sec

Night

Latitude: N 43 Deg 29 Min 13 Sec

Longitude: W 96 Deg 35 Min 48 Sec

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

Nominal Power (kW): Day: 10.0 Night: 0.1

Antenna Input Power (kW): Day: 10.5 Night: 0.108

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 14.51 Night: 1.47

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1047115	
2	1047116	
3	1047117	

Night:

Tower No.	ASRN	Overall Height (m)
1	1047115	
2	1047116	
3	1047117	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 994.57 Night: 101.34

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 1044.83 Night: 106.93

Q Factor: Day: Night:

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	-104.000	0.0000	0.000	0	89.8
2	1.9820	2.300	89.8000	120.000	0	89.8
3	1.0000	104.000	179.6000	120.000	0	89.8

* 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	12.5	45.0	1094.30
2	35.0	45.0	555.20
3	57.5	45.0	160.90
4	80.0	40.0	70.70
5	100.0	40.0	70.80
6	120.0	40.0	72.60
7	140.0	40.0	70.80
8	160.0	40.0	70.70
9	182.5	45.0	160.90
10	205.0	10.0	579.40
11	250.0	45.0	1512.80
12	275.0	50.0	1705.60
13	300.0	50.0	1753.00
14	325.0	50.0	1705.60
15	350.0	45.0	1512.80

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	-104.000	0.0000	0.000	0	89.8
2	1.9820	2.300	89.8000	120.000	0	89.8

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
3	1.0000	104.000	179.6000	120.000	0	89.8

* 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	12.5	45.0	111.50
2	35.0	45.0	56.57
3	57.5	45.0	16.39
4	80.0	40.0	7.20
5	100.0	40.0	7.21
6	120.0	40.0	7.40
7	140.0	40.0	7.21
8	160.0	40.0	7.20
9	182.5	45.0	16.39
10	205.0	10.0	59.04
11	250.0	45.0	154.14
12	275.0	50.0	173.79
13	300.0	50.0	178.62
14	325.0	50.0	173.79
15	350.0	45.0	154.14

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-98	0.56
2	0	1
3	95	0.46

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-98	0.56
2	0	1
3	95	0.46

Antenna Monitor: POTOMAC INSTRUMENTS AM-19(204)

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
80	2.24	14.2
120	1.47	17.8
160	1.77	15.5

Special operating conditions or restrictions:

- 1 The permittee/licensee must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

- 2 Direction of Monitoring Points:

Direction of 80 degrees true North. (Monitor Point #1) From transmitter proceed north on site road for 0.45 miles to Lincoln County (South Dakota) Road 135. Turn east (right). Proceed easterly on Lincoln County Road for 0.60 mile to Big Sioux River, crossing the bridge into Lyon County, IA. Proceed east on Lyon County Road for 3.0 miles to a dead end. Turn north (left). Proceed north on County road for 0.32 mile. Monitor Point #1 Sign is located on the east side of the road.

Direction of 128 degrees true North. (Monitor Point #2) From the transmitter proceed north on site road for 0.45 mile to Lincoln County (S. Dakota) Road 135. turn east (right). Proceed easterly on Lincoln County road for 0.60 mile to the Big Sioux River, crossing the bridge into Lyon County, IA. Proceed east on Lyon County road for 1.0 mile. Turn south (right). Proceed south on County road for 1.50 miles. Turn east (left). Proceed east on County road for 0.5 mile to the town of Granite, Iowa. Monitor point #2 Sign is located on the north side of the intersection.

- 3 Direction of 160 degrees true North. (Monitor Point #3) From transmitter proceed north on site road for 0.45 mile to Lincoln county (S. Dakota) Road 135. Turn east right. Proceed easterly on Lincoln County road for 0.60 mile to the Big Sioux River, crossing the bridge into Lyon County, IA. Proceed east on Lyon County Road for 1.0 mile. Turn south (right). Proceed south on County road for 3.0 miles to the intersection of Iowa State Highway 18. Turn west (right). Proceed west on Iowa State Highway 18 for 0.59 miles. Monitor point #3 Sign is located on the north side of Highway 18.

- 4 120 equally spaced, buried, copper radials about the base of each tower, each 74.7 meters in length except where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers, plus 120 interspersed radials 15.24 meters in length about each tower.

*** END OF AUTHORIZATION ***