



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: 13662

Call Sign: KBOB

License File Number: BZ-20011115ADV

Grant Date: February 21, 2002

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

This supersedes authorization of same date to remove critical array specifications and add daytime tower sequence description. (JBS 3/4/02)

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

Name of Licensee: Townsquare License, LLC

Station Location: DAVENPORT, IA

Frequency (kHz): 1170

Station Class: B

Antenna Coordinates:

Day

Latitude: N 41 Deg 23 Min 21 Sec

Longitude: W 90 Deg 31 Min 00 Sec

Night

Latitude: N 41 Deg 23 Min 21 Sec

Longitude: W 90 Deg 31 Min 00 Sec

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

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

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

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 4.65 Night: 4.65

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1011370	
2	1011369	
3	1011367	
4	1011366	

Night:

Tower No.	ASRN	Overall Height (m)
1	1011370	
2	1011369	
3	1011368	
4	1011367	
5	1011366	
6	1011365	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 321.87 Night: 302.56

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 338.502 Night: 319.431

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	0.000	0.0000	0.000	0	100.2
2	2.0000	0.000	210.0000	75.000	0	100.2
3	1.4230	90.000	90.0000	165.000	0	100.2
4	2.8460	90.000	210.0000	75.000	1	100.2

* 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	140.0	10.0	112.65
2	158.0	36.0	141.62
3	185.0	24.0	117.48
4	260.0	52.0	241.40

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0420	0.000	0.0000	0.000	0	100.2
2	2.0000	0.000	210.0000	75.000	0	100.2
3	1.0420	0.000	420.0000	75.000	0	100.2
4	1.0420	104.000	90.0000	165.000	0	100.2
5	2.0000	104.000	210.0000	75.000	1	100.2
6	1.0420	104.000	210.0000	75.000	1	100.2

* 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	36.0	18.0	20.92
2	36.0	10.0	22.53
3	45.0	18.0	28.16
4	55.0	10.0	14.48
5	60.0	10.0	22.53
6	75.0	30.0	32.19
7	96.0	18.0	14.48
8	105.0	18.0	22.53
9	114.0	18.0	29.77
10	132.0	16.0	22.53
11	140.0	10.0	50.69
12	158.0	26.0	115.87
13	185.0	12.0	91.73
14	191.0	12.0	73.63
15	197.0	12.0	22.53
16	206.5	19.0	30.58
17	216.0	18.0	30.58
18	225.0	18.0	22.53
19	234.0	18.0	14.48
20	250.0	10.0	38.62
21	255.0	10.0	32.19
22	260.0	10.0	32.19
23	276.5	33.0	16.90
24	293.0	33.0	24.14
25	293.0	10.0	28.97
26	325.0	30.0	643.74

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-1.8	0.506
2	0	1
3	80.6	0.826
4	84.1	1.468

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-5.2	0.56
2	0	1

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Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
3	-2.1	0.57
4	92.3	0.61
5	96.5	1.03
6	103	0.56

Antenna Monitor: POTOMAC INSTRUMENTS AM-19 (204)

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

1 MONITOR POINT DESCRIPTIONS

36° - Located on 106th Street, 2.74 km east of intersection with Knoxville Road, 10 feet from edge of guardrail, 3.21 km from site, max 11.4 mV/m nighttime.

45° - Located at field entrance on south side of 106th Street, 3.38 km east of intersection with Knoxville, 3.78 km from site, max 69.7 mV/m daytime.

60° - Located at field entrance on SW side of 95th Street, 0.64 km south of intersection with 106th Street, 4.18 km from site, max 8.7 nighttime.

96° - Located on north edge of driveway to 13223 81st Street, 0.32 km north of intersection with 134th Avenue, 2.09 km from site, max 4.9 mV/m nighttime.

132° - Located at field entrance on south side of 148th Avenue, 1.13 km east of intersection with Knoxville, 3.38 km from site, max 10.9 mV/m nighttime.

140° - Located on east edge of road, across from field entrance and 20 feet south of guardrail, 0.24 km south of intersection with 148th Avenue (intersection 0.88 km from Knoxville and 148th Avenue intersection), 3.3 km from site, max 32.0 mV/m daytime.

158° - Located at field entrance on south side of 63rd Street, 0.16 km west of intersection with Knoxville, 2.82 km from site, max 43.4 mV/m nighttime.

185° - Located on south edge of 162nd Avenue, across from driveway to 5101 162nd Avenue, 0.8 km west of intersection with Knoxville, 3.86 km from site, max 20.6 nighttime.

197° - Located on north edge of 162nd Avenue, 200 feet east of intersection with 45th Street, 4.02 km from site, max 9.5 mV/m nighttime.

216° - Located on dirt path 150 feet west of dead end of 155th Avenue, 0.64 km west of intersection with Coyne Center Road, 3.7 km from site, max 10.7 mV/m nighttime.

234° - Located on west edge of Coyne Center Road across from gated dead end street, 1.6 km south of intersection with 127th Avenue, 2.25 km from site, max 8.6 mV/m nighttime.

260° - Located on east edge of Coyne Center Road, 0.48 km south of intersection with 127th Avenue, 1.93 km from site, max 11.2 mV/m nighttime,
90.0 mV/m daytime.

293° - Located on west edge of 9th Street, 250 feet south of intersection with U.S. 67, 4.99 km from site, max 5.7 nighttime.

2 Daytime array tower sequence as follows: #1(NW), #2(NC), #4(SW), and #5(SC).

*** END OF AUTHORIZATION ***