



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

Authorizing Official:

Official Mailing Address:

CHICAGO NEWSWEB CORPORATION  
 2401 N. HALSTED STREET  
 SUITE 200  
 CHICAGO IL 60614

Son Nguyen  
 Son Nguyen  
 Supervisory Engineer  
 Audio Division  
 Media Bureau

Facility Id: 53504

Call Sign: WAIT

License File Number: BZ-20180803AAI

Grant Date: **OCT 3 - 2018**  
 This license expires 3:00 a.m.  
 local time, December 01, 2020.

This license issued to update antenna parameters and monitor point information.

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

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

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

Name of Licensee: CHICAGO NEWSWEB CORPORATION

Station Location: CRYSTAL LAKE, IL

Frequency (kHz): 850

Station Class: D

Antenna Coordinates:

Day

Latitude: N 42 Deg 15 Min 30 Sec

Longitude: W 88 Deg 21 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: 2.5

Antenna Input Power (kW): Day: 2.7

Antenna Mode: Day: DA

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

Current (amperes): Day: 7.35

Resistance (ohms): Day: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1052308	
2	1052309	
3	1052310	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 445.3

Standard RMS (mV/m/km): Day: 467.86

Augmented RMS (mV/m/km):

Q Factor: Day: 15.811

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	89.9
2	1.5100	-9.000	171.0000	224.000	0	131.6
3	0.6500	-18.000	342.0000	224.000	0	89.9

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	7	0.637
3	-16	0.611

Antenna Monitor: POTOMAC INSTRUMENTS AM-1901

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
18.5	5.6	17.46
44.5	3.35	16.41
224	4.72	10.98

Special operating conditions or restrictions:

- 1 The permittee/licensee in coordination with other users of the site 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 Description of directional antenna system: Three vertical, guyed, series-excited, steel radiators of uniform cross-section. The towers are equally spaced 171-deg. apart on a line bearing 224-deg.
  
- 3 Ground system consists of 120, 88.11 m equally-spaced, buried radials about the base of each tower, extending to the property line or to an intersection with transverse copper strap. Additionally, 120, 15.24 m copper radials are interspersed with the longer radials.

Special operating conditions or restrictions:

4 Description of monitor points:

18-deg. true north: From the transmitter proceed to the east entrance of McHenry County Community College. Turn left onto U.S. Route 14 (southeast) and proceed 1.12 miles to Ridgeland Road. Turn left (north) on Ridgeland Road and proceed 1.25 miles to Country Club Road. Turn right (northeast) and proceed across the railroad grade crossing 0.11 miles to Hillside Road. Turn right (southeast) and proceed 0.32 mile to Cherry Valley Road. Turn left (north) and proceed 1.5 miles to Crystal Springs Road. Turn right (east) and proceed 0.14 mile to Cherry Valley Road. Turn left (north) and proceed 0.75 mile to Mason Hill Road. Turn right (east) and proceed 0.6 mile to the monitor point. The point is on the north side of the road in front of a large tree. The point is #7 on the proof of performance radial and is 3.48 miles (5.60 km) from the center tower of the array. The measured field intensity should not exceed 17.46 mV/m.

44-deg. true north: From the transmitter proceed to the east entrance of McHenry County Community College. Turn left onto U.S. Route 14 (southeast) and proceed 1.12 miles to Ridgeland Road. Turn left (north) on Ridgeland Road and proceed 1.25 miles to Country Club Road. Turn right (northeast) and proceed across the railroad grade crossing 0.11 mile to Hillside Road. Turn right (southeast) and proceed 0.32 mile to Cherry Valley Road. Turn left (north) and proceed 1.5 miles to Crystal Springs Road. Turn right (east) and proceed 1.09 miles to Red Barn Road. Turn right on Red Barn Road (south) and proceed 0.94 mile to the monitor point. The point is located 20-ft. to the left (west) of the mailbox at the 7019 Red Barn residence. The point is #7 on the proof of performance radial and is 2.08 miles (3.35 km) from the center tower of the array. The measured field intensity should not exceed 16.41 mV/m.

224-deg. true north: From the transmitter, proceed to the east entrance of McHenry County Community College. Turn left onto U.S. Route 14 (southeast) and proceed 1.5 miles to Illinois State Route 176. Turn right (west) on Route 176 and proceed 2.98 miles to Haligus Road. Turn left (south) on Haligus Road and proceed 1.63 miles to Woodbine Road. Turn right (west) on Woodbine and proceed 0.28 mile to the monitor point. The monitor point is located on the south side of the three tube creek bridge. The point is #7 on the proof of performance radial and lies 2.93 miles (4.72 km) from the center tower of the array. The measured field intensity at this point should not exceed 10.98 mV/m.

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