



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

AUDACY LICENSE, LLC
2400 MARKET STREET
4TH FLOOR
PHILADELPHIA PA 19103

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 9621

Call Sign: WWJ

License File Number: BL-20020321ABQ

Grant Date: April 12, 2002

This license expires 3:00 a.m.
local time, October 01, 2004.

This authorization re-issued to rearrange the nighttime parameters.
10/30/2002 HKC

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

Name of Licensee: AUDACY LICENSE, LLC

Station Location: DETROIT, MI

Frequency (kHz): 950

Station Class: B

Antenna Coordinates:

Day

Latitude: N 42 Deg 01 Min 09 Sec

Longitude: W 83 Deg 14 Min 23 Sec

Night

Latitude: N 42 Deg 01 Min 09 Sec

Longitude: W 83 Deg 14 Min 23 Sec

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

Nominal Power (kW): Day: 50.0 Night: 50.0

Antenna Input Power (kW): Day: 52.6 Night: 52.6

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 32.4 Night: 32.4

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1029784	
2	1029786	
3	1029789	
4	1029787	
5	1029788	

Night:

Tower No.	ASRN	Overall Height (m)
1	1029784	
2	1029786	
3	1029789	
4	1029787	
5	1029788	
6	1029785	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 2392.2 Night: 2418.4

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 2513.79 Night: 2665.2

Q Factor: Day: 82.56 Night: 82.7

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.9260	267.000	0.0000	0.000	0	168.0
2	0.9210	242.500	197.8000	262.200	0	138.0
3	0.8330	14.400	84.2000	175.800	0	168.0
4	0.1860	320.600	211.3000	106.300	0	138.0
5	1.0000	0.000	208.4000	245.000	0	138.0

* 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	50.0	20.0	288.10
2	183.0	30.0	142.80
3	211.5	25.0	166.40

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	168.0
2	0.5480	337.100	197.8000	262.200	0	138.0
3	0.5780	90.700	208.4000	245.000	0	138.0
4	0.8990	103.500	84.2000	175.800	0	168.0
5	0.6880	100.400	211.3000	106.300	0	138.0
6	0.5210	337.100	193.2000	89.000	0	138.0

* 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	15.0	40.0	5513.80
2	335.0	20.0	5344.70
3	354.5	39.0	7980.00

Day Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 0	1
2 -28.1	1.203
3 93.6	1.211
4 109.3	0.918
5 45.2	1.57

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 0	1
2 -5.9	0.605
3 101.3	0.551
4 108.5	0.959
5 113.3	0.569
6 -3.8	0.573

Antenna Monitor: POTOMAC INSTRUMENTS MODEL 1901-6

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)
50	5.64	26.4
104.5	1.3	184.6
154.5	76.2	0.3
183	47.8	2.1
211.5	67.2	0.66
273.5	14.9	19.7

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
103.5	1.23	145.47
185	3.4	41.97
229	6.8	27.52
259.5	7.1	8.22

Special operating conditions or restrictions:

1 Description of Directional Antenna system:

Six (6) vertical guyed series-excited steel radiators of uniform cross section.

Ground system consists of 120 equally spaced, buried copper radials about the base of each tower, 60 radials 78.0 meters in length and 60 radials 157.8 meters in length, except where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers.

2 DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Daytime;

Direction of 50° True North: Monitoring point is just past 13653 Troyon Road. Point is on south side of road 54 feet East of intersection of Troyon Road and Erie Drive. Distance from antenna 5.65 km. The field intensity measured at this point should not exceed 26.4 mV/m.

Direction of 104.5° True North: Monitoring point is across road from rear landfill exit. Distance from antenna 1.3 km. The field intensity measured at this point should not exceed 184.6 mV/m.

Special operating conditions or restrictions:

- 3 Direction of 154.5° True North: The monitoring point is on the west side of Northwest Road exactly where the road is crossed by an abandoned Norfolk and Western railroad grade and 0.9 km south of the intersection of Northwest Road and Oxbo Road. The point is just north of and across from 3718 Northwest Road. Distance from antenna 76.2 km. The field intensity measured at this point should not exceed 0.30 mV/m.

Direction of 183° True North: The monitor point is on the north side of Walbridge East Road, 0.8 km west of the intersection of Walbridge East Road and Graytown road. A distinctive house/garage combination is visible to the southeast. Distance from antenna 47.8 km. The field intensity measured at this point should not exceed 2.1 mV/m.

Direction of 211.5° True North: The monitoring point is on the west side of Pargallis Road, 0.35 km south of the intersection of Pargallis Road and Five Points Road and directly opposite of the driveway for 24300 Pargallis Road. Distance from antenna 67.2 km. The field intensity measured at this point should not exceed 0.66 mV/m.

Direction of 273.5° True North: The monitoring point is opposite 10340 Exeter Road, at mailbox. Distance from antenna 14.9 km. The field intensity measured at this point should not exceed 19.7 mV/m.

Nighttime:

Direction of 103.5° True North: Turn right (north) from the transmitter site driveway onto Hagerman Road and proceed to Labo Road. Turn right (east) and proceed 1 mile to Roberts Road. Turn right (south) and proceed approximately 0.5 miles to "old gatepost on Roberts Road". Distance from antenna 1.23 km. The field intensity measured at this point should not exceed 145.47 mV/m.

Direction of 185° True North: Turn left (south) from the transmitter site driveway onto Hagerman Road and proceed to Port Sunlight Road. Continue straight a total of 2.1 miles to 7562 Port Sunlight Road. Distance from antenna 3.4 km. The field intensity measured at this point should not exceed 41.97 mV/m.

Direction of 229° True North: Turn left (south) from the transmitter site driveway onto Hagerman Road and proceed 0.7 miles to Turnpike Road. Bear right (southwest) onto Dixie Highway and proceed 3.6 miles to Post Road. Turn right (west) and proceed approximately 0.7 miles to "across from 3997 Post Road". Distance from antenna 6.8 km. The field intensity measured at this point should not exceed 27.52 mV/m.

Direction of 259.5° True North: Turn right (norht) from the transmitter site driveway onto Hagerman Road and proceed to Labo Road. Turn left (west) and proceed 3.5 miles to Swan Creek Road. Turn left (south) and continue 1.1 miles to Newport Road. Turn right (west) and proceed 0.5 miles to Joann Drive. Turn left (south) and proceed to 2880 Joann Drive "half way back from mailbox to Newport Road". Distance from antenna 7.1 km. The field intensity measured at this point should not exceed 8.22 mV/m.

*** END OF AUTHORIZATION ***