



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

Authorizing Official:

Official Mailing Address:

---

CBS RADIO INC. OF DETROIT  
 1725 DESALES STREET, NW  
 SUITE 501  
 WASHINGTON DC 20036

---



---

Son Nguyen  
 Supervisory Engineer  
 Audio Division  
 Media Bureau

---

Facility Id: 28627

Call Sign: WXYT

License File Number: BL-20030401CJP

Grant Date: January 05, 2004

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

This License Covers Permit No.: BMP-20030102AAU and BMP-20020416AAD

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	8:15 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.	7:30 AM	5:15 PM
Jun.	5:00 AM	8:15 PM	Dec.	8:00 AM	5:00 PM

Callsign: WXYT

License No.: BL-20030401CJP

Name of Licensee: CBS RADIO INC. OF DETROIT

Station Location: DETROIT, MI

Frequency (kHz): 1270

Station Class: B

Antenna Coordinates:

Day

Latitude: N 42 Deg 01 Min 39 Sec

Longitude: W 83 Deg 20 Min 42 Sec

Night

Latitude: N 42 Deg 01 Min 39 Sec

Longitude: W 83 Deg 20 Min 42 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: 32.5 Night: 32.5

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	54.8
2	None	54.8
3	None	54.8
4	None	54.8
5	None	54.8
6	None	54.8
7	None	54.8
8	None	54.8
9	None	54.8

Night:

Tower No.	ASRN	
1	None	54.8
2	None	54.8
3	None	54.8
4	None	54.8
5	None	54.8
6	None	54.8
7	None	54.8
8	None	54.8
9	None	54.8

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 2004.73 Night: 2132.94

Standard RMS (mV/m/km): Day: 2106.28 Night: 2240.82

Augmented RMS (mV/m/km):

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	82.0
2	0.8550	113.900	85.9000	205.900	0	82.0
3	0.6240	282.000	105.8000	339.500	0	82.0
4	1.3770	16.200	131.6000	269.300	0	82.0
5	1.1710	96.700	245.8000	255.300	0	82.0
6	1.6080	354.300	271.1000	287.700	0	82.0
7	1.1080	111.800	310.2000	275.100	0	82.0
8	0.6650	41.700	465.8000	279.700	0	82.0
9	0.4540	153.100	495.8000	270.400	0	82.0

\* Tower Reference Switch

- 0 = Spacing and orientation from reference tower
- 1 = Spacing and orientation from previous tower

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	82.0
2	0.8900	134.600	85.9000	205.900	0	82.0
3	0.4700	220.400	105.8000	339.500	0	82.0
4	0.7240	5.900	131.6000	269.300	0	82.0
5	0.7000	117.800	245.8000	255.300	0	82.0
6	0.7120	331.700	271.1000	287.700	0	82.0
7	0.6810	98.200	310.2000	275.100	0	82.0
8	0.8400	-4.700	465.8000	279.700	0	82.0
9	0.8900	127.000	495.8000	270.400	0	82.0

\* 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	7	0.67
2	111	0.5

Day Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
3 -67	0.41
4 24	0.87
5 94	0.76
6 0	1
7 113	0.73
8 45	0.44
9 160	0.31

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 30	1.4
2 165	1.22
3 -111	0.66
4 37	1.03
5 147	0.95
6 0	1
7 122	1.04
8 24	1.23
9 155	1.38

Antenna Monitor: POTOMAC INSTRUMENTS 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)
179	3.82	19.8
202	4.89	18.1
229.5	4.49	23.6
255	4.58	31
302.5	4.3	75.8

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
50.5	4.51	139
105.5	4.14	43.4
146.5	4.44	73.8
177	3.82	116.3
224.5	4.66	20.5
253.5	5.33	18.7
269.5	4.45	20.1
341	4.15	143.7

Special operating conditions or restrictions:

- 1 The licensee will be required to resolve all reasonable complaints of blanketing interference within the 1 V/m contour as required by Section 73.88 of the Commission's rules.
  
- 2 The licensee will be required to resolve all reasonable complaints of blanketing interference within the 1 V/M contour as required by Section 73.88 of the Commission's rules.
  
- 3 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.

Special operating conditions or restrictions:

4 DESCRIPTION OF MONITORING POINTS:

Direction of 50.5 degrees true North. The point is located on the west edge of Berlin Road in the center of the driveway to 12079 Berlin Road.

Direction of 105.5 degrees true North. The point is located next to a fire hydrant on the west side of Brandon Road, 0.4 miles south of the intersection with Labo Road.

Direction of 146.5 degrees true North. The point is located on the northwest side of Newport South Road, opposite the telephone pole that stands 300 feet southwest of the industrial building at 8144 Newport South Road.

Direction of 177 degrees true North. The point is located adjacent to the storm drain on the south side of Buhl Road, 200 feet east of the driveway to 1880 Buhl Road.

Direction of 179 degrees true North. The point is located on the south side of Buhl road opposite the driveway to 1811 Buhl Road.

5 Direction of 202 degrees true North. The point is located in the southeast corner of the parking lot behind the BP Gas Station at 7600 North Telegraph Road.

Direction of 224.5 degrees true North. The point is located in the center of North Stony Creek Road, 0.3 miles northwest of the intersection with Grafton Road.

Direction of 229.5 degrees true North. The point is located on the west side of North Stony Creek Road opposite the driveway to 8606 North Stony Creek Road.

Direction of 253.5 degrees true North. The point is located on the southwest side of South Stony Creek Road in front of 9495 South Stony Creek Road.

Direction of 255 degrees true North. The point is located on the west side of Maxwell Road 0.3 miles south of the intersection with Labo Road.

6 Direction of 269.5 degrees true North. The point is located in the center of Maxwell Road in front of 10400 Maxwell Road.

Direction of 302.5 degrees true North. The point is located on the south edge of Mary Lee Drive in the center of the driveway to 833 Mary Lee Drive.

Direction of 341 degrees true North. The point is located on the southwest edge of Calkins Road in the center of the driveway to 12843 Calkins Road.

7 Ground System:

The ground system around each tower consists of 120 equally spaced buried copper radials, each 59 meters in length, except where they intersect a transverse copper strap running between adjacent towers or the property boundary.

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