



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

Authorizing Official:

Official Mailing Address:

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GOOD KARMA BROADCASTING, LLC  
 310 W WISCONSIN AVENUE  
 SUITE 100  
 MILWAUKEE WI 53203

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Son Nguyen  
 Supervisory Engineer  
 Audio Division  
 Media Bureau

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Facility Id: 71092

Call Sign: WTTN

License File Number: BL-20090213GY

Grant Date: May 14, 2009

This license expires 3:00 a.m.  
 local time, December 01, 2012.

This license covers permit No. BMP-20090212ACB

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

Callsign: WTTN

License No.: BL-20090213GY

Name of Licensee: GOOD KARMA BROADCASTING, LLC

Station Location: COLUMBUS, WI

Frequency (kHz): 1580

Station Class: D

Antenna Coordinates:

Day

Latitude: N 43 Deg 20 Min 05 Sec

Longitude: W 89 Deg 09 Min 56 Sec

Night

Latitude: N 43 Deg 20 Min 03 Sec

Longitude: W 89 Deg 09 Min 57 Sec

Critical

Latitude: N 43 Deg 20 Min 03 Sec

Longitude: W 89 Deg 09 Min 57 Sec

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

Nominal Power (kW): Day: 5.0 Night: 0.004 Critical: 0.80

Antenna Input Power (kW): Day: 5.4 Night: 0.004 Critical: 0.80

Antenna Mode: Day: DA Night: ND Critical: ND

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

Current (amperes): Day: 10.4 Night: 0.283 Critical: 4

Resistance (ohms): Day: 50 Night: 50 Critical: 50

Non-Directional Antenna: Night

Radiator Height: 48.8 meters; 92.5 deg

Theoretical Efficiency: 307.4 mV/m/kw at 1km

Non-Directional Antenna: Critical

Radiator Height: 48.8 meters; 92.5 deg

Theoretical Efficiency: 307.4 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	49.7
2	None	49.7

Night:

Tower No.	ASRN	
1	None	49.7

Critical:

Tower No.	ASRN	
1	None	49.7

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 646.5

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 684.6

Q Factor: Day:

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	92.5
2	1.4350	-9.500	206.5000	19.000	0	92.5

\* 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	42.5	45.0	316.00
2	164.5	12.0	254.00
3	233.5	50.0	246.00
4	355.5	45.0	293.00

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	9	0.69
2	0	1

Antenna Monitor: POTOMAC INSTRUMENTS MODEL 1901-2 SN 767

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)
42.5	4.14	55.2
164.5	3.77	48
233.5	3.23	78
355.5	4.68	39.6

Special operating conditions or restrictions:

1 DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Two (2) vertical, uniform cross-section, triangular, guyed, base-insulated steel radiators.

Ground System consists of 120 equally spaced, buried copper wire radials about the base of each tower 47.4 in length.

2 DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:

Direction of 42.5° True North: From transmitter site driveway, proceed north (right) on Parpart Road 0.3 miles to State Hwy 60. Turn east (right) on Hwy 60 for 1 mile to County Hwy A. Turn north (left) on County A and proceed 2.5 miles to DuBorg Road. Turn east (right) on DuBorg Road and go 0.7 miles. The monitor point is on the south side of the road, directly north of utility pole #10-11-1/41-26. The NAD 27 coordinates are 43-21-45.5 x 89-07-53.1 degrees. Distance from transmitter is 4.14 km. The field intensity measured at this point should not exceed 55.2 mV/m. Daytime

Direction of 164.5° True North: From transmitter site driveway, proceed south (left) on Parpart Road 2.3 miles to Arnold Rd. Turn east (left) on Arnold Road, and go 0.6 miles. The point is on the south side of the road 100 feet east of the yellow road turning left sign. The NAD 27 coordinates are 43-18-7.6 x 89-09-11.7 degrees. Distance from transmitter is 3.77 km. The field intensity measured at this point should not exceed 48 mV/m. Daytime

Direction of 233.5° True North: From transmitter site driveway, proceed south (left) on Parpart Road 1.4 miles to Eggert Rd. Turn west (right) on Eggert and go 1.5 miles to Link Dr. Turn south (left on Link Dr and go 0.1 miles to the point, located on the west side of the road. The NAD 27 coordinates are 43-19-04 x 89-11-50.9 degrees. Distance from transmitter is 3.23 km. The field intensity measured at this point should not exceed 78 mV/m. Daytime

## Special operating conditions or restrictions:

- 3 Direction of 355.5° True North: From transmitter site driveway, proceed north (right) on Parpart Road 0.3 miles to State Hwy 60. Turn west (left) on Hwy 60 and go 0.3 miles to County N. Turn north (right) on County N and go 1.4 miles to Hall Rd. Turn west (left) on Hall Rd and proceed 0.3 miles to Hampden Rd. Go west (straight) on Hampden Rd. for 0.2 mile to Ostego Rd. Turn north (right) on Ostego Rd and go 1.6 miles to Moore Rd. Turn west (left) on Moore Rd and go 0.2 mile. The point is on the south side of Moore Rd, 30' west of the four way intersection sign. The NAD 27 coordinates are 43-22-36.5 x 89-10-13.6 degrees. Distance from transmitter is 4.68 km. The field intensity measured at this point should not exceed 39.6 mV/m. Daytime

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