



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

Authorizing Official:

Official Mailing Address:

MACDONALD GARBER BROADCASTING, INC  
P.O. BOX 286  
PETOSKY MI 49770

Susan N. Crawford  
Senior Engineer  
Audio Division  
Media Bureau

Grant Date: June 09, 2006

Facility Id: 215

Call Sign: WMKT

This license expires 3:00 a.m.  
local time, October 01, 2020.

License File Number: BL-20060308AMI

License re-issued November 4, 2014, by SNC, to add a Special Operating Condition authorizing the use of modulation dependent carrier level (MDCL) control technology.

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.	8:15 AM	5:30 PM	Jul.	5:00 AM	8:30 PM
Feb.	7:45 AM	6:00 PM	Aug.	5:45 AM	7:45 PM
Mar.	7:00 AM	6:45 PM	Sep.	6:15 AM	7:00 PM
Apr.	6:00 AM	7:30 PM	Oct.	7:00 AM	6:00 PM
May	5:15 AM	8:00 PM	Nov.	7:45 AM	5:15 PM
Jun	4:45 AM	8:30 PM	Dec	8:15 AM	5:00 PM

Name of Licensee: MACDONALD GARBER BROADCASTING, INC

Station Location: CHARLEVOIX, MI

Frequency (kHz): 1270

Station Class: B

Antenna Coordinates:

Day

Latitude: N 45 Deg 16 Min 22 Sec

Longitude: W 85 Deg 15 Min 08 Sec

Night

Latitude: N 45 Deg 16 Min 22 Sec

Longitude: W 85 Deg 15 Min 08 Sec

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

Nominal Power (kW): Day: 27.0 Night: 5.0

Antenna Input Power (kW): Day: 27.0 Night: 5.4

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 32.23 Night: 10.61

Resistance (ohms): Day: 26 Night: 48

Non-Directional Antenna: Day

Radiator Height: 48.2 meters; 73.4 deg

Theoretical Efficiency: 294.99 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1246655	

Night:

Tower No.	ASRN	Overall Height (m)
1	1246654	
2	1246655	
3	1246656	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 670.61  
 Standard RMS (mV/m/km): Night: 705.23  
 Augmented RMS (mV/m/km):  
 Q Factor: Night:

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	73.4
2	1.9200	145.400	60.0000	174.000	1	73.4
3	1.0000	289.000	60.0000	174.000	1	73.4

\* Tower Reference Switch

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

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-147	0.515
2	0	1
3	143	0.51

Antenna Monitor: POTOMAC INSTRUMENTS AM-19 (204)

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 The 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.

Special operating conditions or restrictions:

2 MONITOR POINT DESCRIPTIONS

144°- From intersection of Poppo Road and Ferry Road, proceed left (E) on Ferry Road for 0.4 km to point located on south side of road at mark on pavement, 2.12 km from site, max 7.90 mV/m nighttime.

174°- From intersection of C-65 (Stover Road) and Phelps Road, proceed left (E) on Phelps Road for 1.37 km to point in road opposite marked telephone pole, 5.84 km from site, max 4.50 mV/m nighttime.

205° - From intersection of Black Road and Potter Road, proceed right (W) for 1.29 km to point located on north shoulder at marked stake, 5.42 km from site, max 1.40 mV/m nighttime.

228° - From intersection of Black Road and Ferry road, proceed right (W) on Ferry for 0.4 km to point located at stake on south side of road, 2.57 km from site, max 18.0 mV/m nighttime.

245.5° - From intersection of C-65 (Stover Road) and Black Road, proceed right on Black Road for 0.24 km to point located on east shoulder of road at curve sign, 1.64 km from site, max 17.4 mV/m nighttime.

- 3 Waiver of 47 C.F.R. Section 73.1560(a) is granted to permit the licensee to operate with modulation dependent carrier level (MDCL) control technology, which reduces transmitter power at certain modulation levels.

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