



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

IMMACULATE HEART MEDIA, INC.
1496 BELLEVUE STREET
SUITE 202
GREEN BAY WI 54307

Son Nguyen
Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 15877

Call Sign: WAMT

License File Number: BZ-20180717ABX

Grant Date: **OCT 2 - 2018**
This license expires 3:00 a.m.
local time, February 01, 2020.

This license issued for the purpose of updating daytime operating impedance and current.

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

Name of Licensee: IMMACULATE HEART MEDIA, INC.

Station Location: PINE CASTLE SKY LAKE, FL

Frequency (kHz): 1190

Station Class: B

Antenna Coordinates:

Day

Latitude: N 28 Deg 28 Min 00 Sec

Longitude: W 81 Deg 22 Min 29 Sec

Night

Latitude: N 28 Deg 28 Min 00 Sec

Longitude: W 81 Deg 22 Min 29 Sec

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

Nominal Power (kW): Day: 4.7 Night: 0.230

Antenna Input Power (kW): Day: 4.7 Night: 0.27

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 9.7 Night: 2.32

Resistance (ohms): Day: 50 Night: 50

Non-Directional Antenna: Day

Radiator Height: 55.18 meters;

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

Tower No. A B

1 78.8 21.20

Theoretical Efficiency: 283.15 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1257632	

Night:

Tower No.	ASRN	Overall Height (m)
1	1257632	
2	1257633	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 157.13
 Standard RMS (mV/m/km): Night: 165.32
 Augmented RMS (mV/m/km):
 Q Factor: Night: 10

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	TL/S
2	0.7500	-157.000	78.0000	32.000	0	TL/S

* Tower Reference Switch

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

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

Tower No.	A	B	C	D
1	78.8	21.20	.00	.00
2	78.8	21.20	.00	.00

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-152.5	0.81

Antenna Monitor: POTOMAC INSTRUMENTS AM19(204)

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Night Operation:

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
139	2.86	16
285	2.69	15.64

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.

Special operating conditions or restrictions:

2 DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Two uniform cross section, guyed, series excited steel towers. Both towers stand 55.18 m (78.8-deg.) above their base insulators. The towers are arranged with tower 1 as a reference; tower 2 is spaced 78-deg. on a bearing of 32.0-deg. true N. Both towers employ guy wire top-loading. The daytime ND configuration uses tower 1.

3 The ground system consists of 120 equally spaced, buried copper radials about the base of each tower, each 63 meters in length except where terminated by property boundaries or where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers, plus a copper ground screen 7.3 x 7.3 meters square, about the base of each tower. Copper strap connects all towers to the main transmitter grounding point.

4 MONITOR POINTS

Direction of 139-deg. true north: Monitoring point is located on north edge of Jetport Drive approximately ¼ mile west of Boggy Creek Road, in line with two exit signs on Beach Line Expressway and facing billboard. This is point #8, 2.86 km from the array. The field intensity measured at this point should not exceed 16.0 mV/m.

Direction of 285-deg. true north: Monitoring point is located on west side of Rio Grande Avenue, approximately 100-ft. north of Oak Ridge Road, at the south edge of driveway adjacent to laundry sign. This is point #8, 2.69 km from the array. The field intensity measured at this point should not exceed 15.64 mV/m.

*** END OF AUTHORIZATION ***