



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: 87729

Call Sign: KIHG

License File Number: BML-20180521ABT

Grant Date: JUL 10 2018

This license expires 3:00 a.m.  
local time, December 01, 2021.

This license modifies license no. BMML-20121210AEG to change status from non-commercial educational to commercial.

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

Name of Licensee: IMMACULATE HEART MEDIA, INC.

Station Location: ARROYO GRANDE, CA

Frequency (kHz): 890

Station Class: B

Antenna Coordinates:

Day

Latitude: N 35 Deg 08 Min 44 Sec

Longitude: W 120 Deg 31 Min 15 Sec

Night

Latitude: N 35 Deg 08 Min 44 Sec

Longitude: W 120 Deg 31 Min 15 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: 5.0

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

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 10.39 Night: 10.39

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	60.9
3	None	60.9

Night:

Tower No.	ASRN	
1	None	60.9
2	None	60.9
3	None	60.9

## DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 635.97 Night: 667.08

Standard RMS (mV/m/km): Day: 668.18 Night: 701.06

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	63.5
3	0.8000	-36.000	125.1000	246.000	0	63.5

## \* 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	0.5500	128.000	0.0000	0.000	0	63.5
2	1.0000	0.000	62.6000	246.000	0	63.5
3	0.4700	-137.000	125.1000	246.000	0	63.5

## \* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

## Day Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
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1

2 0 1

3 -34.7 0.798

## Night Directional Operation:

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

2 127.6 0.566

3 -139 0.455

Antenna Monitor: GORMAN-REDLICH CMR, S/N 4201

Sampling System Approved Under Section 73.68 of the Rules.

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.
- 2 The tower numbering on the antenna monitor corresponds to the tower numbering in the theoretical pattern parameters as follows:  
Tower 1 (theo.) corresponds to Tower 2 (E) on the antenna monitor  
Tower 2 (theo.) corresponds to Tower 1 (C) on the antenna monitor  
Tower 3 (theo.) corresponds to Tower 3 (W) on the antenna monitor
- 3 The ground system consists of 120 equally-spaced buried bare copper wire radials around each tower, 59.5 meters long (63.5-deg.) except for those which intersect, with 4-in. copper straps terminating the radial intersections and interconnecting the towers.

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