



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: 2268

Call Sign: KJPG

License File Number: BML-20180216ABB

Grant Date: **APR 20 2018**

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

This license modifies license no.: BML-20040618ABD. Status of station KJPG is changed 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: Daytime with Secondary nighttime

Average hours of sunrise and sunset:  
Local Standard Time (Non-Advanced)

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

Name of Licensee: IMMACULATE HEART MEDIA, INC.

Station Location: FRAZIER PARK, CA

Frequency (kHz): 1050

Station Class: D

Antenna Coordinates:

Day

Latitude: N 35 Deg 01 Min 28 Sec

Longitude: W 118 Deg 55 Min 05 Sec

Night

Latitude: N 35 Deg 24 Min 07 Sec

Longitude: W 119 Deg 02 Min 47 Sec

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

Nominal Power (kW): Day: 10.0 Night: 0.007

Antenna Input Power (kW): Day: 10.5 Night: 0.007

Antenna Mode: Day: DA Night: ND

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

Current (amperes): Day: 14.5 Night: 0.787

Resistance (ohms): Day: 50 Night: 11.3

Non-Directional Antenna: Night

Radiator Height: 45.7 meters; 47.6 deg

Theoretical Efficiency: 284 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1012204	
2	1012205	
3	1012206	

Night:

Tower No.	ASRN	Overall Height (m)
1	1219317	

## DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 913.6

Standard RMS (mV/m/km): Day: 959.85

Augmented RMS (mV/m/km):

Q Factor: Day: 31.6

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	92.2
2	0.6900	19.400	189.7000	281.000	0	92.2
3	0.4400	-78.700	157.4000	318.500	0	92.2

\* 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	0	1
2	19.3	0.709
3	-66.2	0.406

Antenna Monitor: GORMAN-REDLICK CMR(242)

Sampling System Approved Under Section 73.68 of the Rules.

## Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
98.5	2.62	25.4
110.5	1.9	75.7
121.5	3	41.6
230.5	2.88	163
303.5	3.18	126

## 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 Daytime Ground System:

Ground system consists of 120 equally spaced copper radials extending 71.4 meters, except where terminated by copper bonding strap around each tower.

Nighttime Ground System:

Ground system consists of 120 equally spaced buried copper radials to extremes of triangular site with sides 121.95 meters x 146.34 meters (minimum radial length 36.59 meters).

- 3 Description of Monitor Points:

Direction of 98.5 degrees true north. From the intersection at the southeast corner of the transmitter site, go east 1.5 miles. Turn south on dirt road 0.15 mile. Monitor point is in the middle of the road opposite a painted marker located on the west side of the road. Point is in the 21st orchard row, counting from the north. Radial monitor point #11.

Direction of 110.5 degrees true north. From the intersection at the southeast corner of the transmitter site, go east 1.0 mile. Turn south on dirt road 0.35 mile. Monitor point is in the middle of the road, opposite a painted marker located on the west side of the road. Point is at the 26th orchard row, counting from the south. Radial monitor point #11.

Direction of 121.5 degrees true north. From the intersection at the southeast corner of the transmitter site, go east 1.0 mile. Turn south on dirt road 1.0 mile. Turn east 0.5 mile. Monitor point is 0.1 mile north of water well #B19, in the middle of the road. Point is at the 45th vine row, counting from the south. Radial monitor point #12.

Direction of 230.5 degrees true north. From the intersection at the southeast corner of the transmitter site, go west to Wheeler Ridge Road. Turn south 1.25 miles to First Street. Proceed west 0.1 mile to water well A10. A dirt north-south road denotes the easterly boundary of the orange orchard. Go north 0.1 mile. Monitor point is in the middle of the road, opposite a painted marker located on the east side of the road. Point is at the 74th tree, counting from the south. Radial monitor point #10.

Direction of 303.5 degrees true north. From the intersection at the southeast corner of the transmitter site, go north 0.5 mile to Legray Road. Go west 1.75 mile. Turn north on a dirt field road. Proceed 0.5 mile. Monitor point is in the middle of the "T" intersection, opposite a painted marker located at the northwest corner of the intersection. Radial monitor point #11.

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