



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

PAX CATHOLIC COMMUNICATIONS, INC.
1779 NW 28TH STREET
MIAMI FL 33142

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 28874

Call Sign: WACC

License File Number: BMML-20210319AAK

Grant Date: August 19, 2021

This license expires 3:00 a.m.
local time, February 01, 2028.

This license covers permit no.: BP-19890109AB

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

Callsign: WACC

License No.: BMML-20210319AAK

Name of Licensee: PAX CATHOLIC COMMUNICATIONS, INC.

Station Location: HIALEAH, FL

Frequency (kHz): 830

Station Class: B

Antenna Coordinates:

Day

Latitude: N 25 Deg 46 Min 22 Sec

Longitude: W 80 Deg 25 Min 16 Sec

Night

Latitude: N 25 Deg 46 Min 22 Sec

Longitude: W 80 Deg 25 Min 16 Sec

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

Nominal Power (kW): Day: 4.1 Night: 1.0

Antenna Input Power (kW): Day: 4.43 Night: 1.08

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 9.41 Night: 4.65

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1030078	
2	1030079	
3	1030082	
4	1030083	

Night:

Tower No.	ASRN	Overall Height (m)
1	1030078	
2	1030079	
3	1030082	
4	1030083	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 631.8 Night: 314.4

Standard RMS (mV/m/km): Day: 663.7 Night: 330.3

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	73.1
2	0.4200	120.000	118.7000	253.000	0	73.1
3	0.8500	107.000	105.0000	222.000	0	79.0
4	0.3700	327.000	64.0000	149.000	0	79.0

* 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	1.0000	0.000	0.0000	0.000	0	73.1
2	3.3810	159.500	118.7000	253.000	0	73.1
3	2.6430	47.000	105.0000	222.000	0	79.0
4	0.8040	-85.800	64.0000	149.000	0	79.0

* 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	117.9	0.438
3	104.5	0.742
4	-22.8	0.259

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-155.3	0.274
2	0	1
3	-112	0.614

Night Directional Operation:

Twr. Phase	Antenna Monitor
No. (Deg.)	Sample Current Ratio
4 109.9	0.143

Antenna Monitor: GORMAN-REDLICH CMR

Special operating conditions or restrictions:

- 1 The ground system for each tower consists of 120 buried copper radials, 55 meters in length for towers 1 and 2, 73 meters in length for towers 3 and 4, except where they intersect with copper transverse straps between towers or property boundaries. In addition, a 7.3 meter by 7.3 meter copper ground screen is installed at the base of towers 1 and 2. Copper strap connects all towers to the main transmitter grounding point.
- 2 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.

*** END OF AUTHORIZATION ***