



United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
AM BROADCAST STATION CONSTRUCTION PERMIT

Authorizing Official:

Official Mailing Address:

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

Son Nguyen  
Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 28874

Call Sign: WACC

Permit File Number: BP-19890109AB

Grant Date: **MAY 17 2018**

This permit expires 3:00 a.m.  
local time, 36 months after the  
grant date specified above.

Permit to increase daytime power and change daytime pattern using existing  
nighttime array.

Subject to the provisions of the Communications Act of 1934, as amended,  
subsequent acts and treaties, and all regulations heretofore or hereafter  
made by this Commission, and further subject to the conditions set forth  
in this permit, the permittee is hereby authorized to construct the radio  
transmitting apparatus herein described. Installation and adjustment of  
equipment not specifically set forth herein shall be in accordance with  
representations contained in the permittee's application for construction  
permit except for such modifications as are presently permitted, without  
application, by the Commission's Rules.

Commission rules which became effective on February 16, 1999, have a  
bearing on this construction permit. See Report & Order, Streamlining of  
Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para.  
77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998).  
Pursuant to these rules, this construction permit will be subject to  
automatic forfeiture unless construction is complete and an application  
for license to cover is filed prior to expiration. See Section 73.3598.

Equipment and program tests shall be conducted only pursuant to Sections  
73.1610 and 73.1620 of the Commission's Rules.

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

Permit No.: BP-19890109AB

Name of Permittee: 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 Mode: Day: DA Night: DA

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

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

Inverse Distance Field Strength:

The inverse distance field strength at a distance of one kilometer from the above antenna in the directions specified shall not exceed the following values:

Day:

Azimuth:	Radiation:
187	51.2 mV/m
295	23.5 mV/m

## Special operating conditions or restrictions:

- 1 The permittee must submit a proof of performance as set forth in either Section 73.151(a) or 73.151(c) of the rules before program tests are authorized.  
A proof of performance based on field strength measurements, per Section 73.151(a), shall include a complete nondirectional proof of performance, in addition to a complete proof on the (day) directional antenna system. The nondirectional and directional field strength measurements must be made under similar environmental conditions. The proof(s) of performance submitted to the Commission must contain all of the data specified in Section 73.186 of the rules.  
Permittees who elect to submit a moment method proof of performance, as set forth in Section 73.151(c), must use series-fed radiators. In addition, the sampling system must be constructed as described in Section 73.151(c) (2) (i).
- 2 Permittee shall install a type accepted transmitter, or submit application (FCC Form 301) along with data prescribed in Section 73.1660(b) should non-type accepted transmitter be proposed.
- 3 A license application (FCC Form 302) to cover this construction permit must be filed with the Commission pursuant to Section 73.3536 of the Rules before the permit expires.
- 4 Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V/m contour as required by Section 73.88 of the Commission's rules.
- 5 Ground system consists of 120 equally spaced, buried, copper radials, each 55 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 meters square, about the base of towers #1 and #2. (Radials 73 meters in length about towers #3 and #4).

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