



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**AM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

WIFREDO G. BLANCO-PI  
EXT SAN AGUSTIN  
1210 CALLE 3  
SAN JUAN PR 00926

Son Nguyen

Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 72452

Call Sign: WVOZ

License File Number: BL-20180911ADH

Grant Date: **DEC 28 2018**

This license expires 3:00 a.m.  
local time, February 01, 2020.

This license covers permit no.: BP-20170327AAF

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

Callsign: WVOZ

License No.: BL-20180911ADH

Name of Licensee: WIFREDO G. BLANCO-PI

Station Location: AGUADILLA, PR

Frequency (kHz): 1580

Station Class: B

Antenna Coordinates:

Day

Latitude: N 18 Deg 24 Min 09 Sec

Longitude: W 67 Deg 08 Min 48 Sec

Night

Latitude: N 18 Deg 24 Min 09 Sec

Longitude: W 67 Deg 08 Min 48 Sec

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

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

Antenna Input Power (kW): Day: 1.08 Night: 1.00

Antenna Mode: Day: DA Night: ND

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

Current (amperes): Day: 4.65 Night: 5.27

Resistance (ohms): Day: 50 Night: 36

Non-Directional Antenna: Night

Radiator Height: 42.7 meters; 81 deg

Theoretical Efficiency: 299.7 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1227488	
2	1239311	

Night:

Tower No.	ASRN	Overall Height (m)
2	1239311	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 305.6

Standard RMS (mV/m/km): Day: 321.1

Augmented RMS (mV/m/km):

Q Factor: Day:

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	81.0
2	0.8700	-93.000	75.2000	81.000	0	81.0

\* 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	-93	0.87

Antenna Monitor: POTOMAC INSTRUMENTS AM-19(204)

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
261	2.46	13.6

Special operating conditions or restrictions:

- 1 The permittee/licensee 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 Location of Day Monitoring Point:

- a. Leave transmitter site. Take road PR-4443 towards WEST and proceed for 0.6 km.
  - b. Turn right to access PR-111 and go WEST for 0.7 km.
  - c. Make a left turn and follow road PR-115 towards Southwest and proceed for about 1.1 km and make a right turn on PR-439 (towards Bo. Tablonal, Aguada).
  - d. Proceed on PR-439 for approximately 0.65 km and make a right turn on PR-4441.
  - e. Proceed until km. 0.32 of PR-4441. The Monitor Point is crossing the road just in front of the common boundary of the houses at 1692 and 1694.
- Distance: 2.46 km. From center of radiation of array (18°23'49.88 N 67° 10'10.47" W).

3 Location of Day Monitoring Point:

- a. Leave transmitter site. Take road PR-4443 towards WEST and proceed for 0.6 km.
  - b. Turn right to access PR-111 and go WEST for 0.7 km.
  - c. Make a left turn and follow road PR-115 towards Southwest and proceed for about 1.1 km and make a right turn on PR-439 (towards Bo. Tablonal, Aguada).
  - d. Proceed on PR-439 for approximately 0.65 km and make a right turn on PR-4441.
  - e. Proceed until km. 0.32 of PR-4441. The Monitor Point is crossing the road just in front of the common boundary of the houses at 1692 and 1694.
- Distance: 2.46 km. From center of radiation of array (18°23'49.88 N 67° 10'10.47" W).

4 Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 59.5 meters in length except where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers.

5 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.

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