

FEDERAL COMMUNICATIONS COMMISSION  
445 12th STREET SW  
WASHINGTON DC 20554

MEDIA BUREAU  
AUDIO DIVISION  
TECHNICAL PROCESSING GROUP  
APPLICATION STATUS: (202) 418-2730  
HOME PAGE: [www.fcc.gov/mmb/audio](http://www.fcc.gov/mmb/audio)

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SEP 16 2009

Wifredo G. Blanco- Pi  
155 San Antonio Street  
San Juan, Puerto Rico 00918-3502

In re: Wifredo G. Blanco-Pi (Blanco)  
WI2XSO(AM), Mayaguez, PR  
Facility Identification Number: 89243  
License application: BLEX-20090529ASB  
BPEX-20050429ABB (Construction Permit)  
Program Test Authority (PTA)

Dear Mr. Blanco-Pi:

This is in reference to the above-captioned experimental license application and request for program test authority (PTA).

Authority is granted WI2XSO (AM) to conduct daytime and nighttime tests in accordance with Construction Permit BPEX-20050429ABB and Section 73.1620 of the Commission's Rules to operate on 1260 kHz with a nominal power of 5 kW daytime and 1.8 kW nighttime, a daytime input power of 5.4 kW using a common point current of 10.4 amps, and a nighttime input power of 1.94 kW nighttime using a common point current of 6.24 amps. Program tests must be conducted with the directional antenna systems adjusted in accordance with the enclosed specifications. Please notify this office of any discrepancies found with the enclosed specifications. **This authority expires on December 17, 2009.**

A preliminary review of the application indicates that Page 4 of FCC Form 302 must be amended to correct the daytime common point current typographical error from 14.4 amps to 10.4 amps to yield the correct input power of 5.4 kW.

Sincerely,



Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Name of Licensee: WIFREDO G. BLANCO-PI

Station Location: MAYAGUEZ, PR

Frequency (kHz): 1260

Station Class: B

## Antenna Coordinates:

## Day

Latitude: N 18 Deg 09 Min 17 Sec

Longitude: W 67 Deg 09 Min 08 Sec

## Night

Latitude: N 18 Deg 09 Min 17 Sec

Longitude: W 67 Deg 09 Min 08 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: 1.8

Antenna Input Power (kW): Day: 5.4 Night: 1.9

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 10.4 Night: 6.24

Resistance (ohms): Day: 50 Night: 50

## Antenna Registration Number(s):

## Day:

Tower No.	ASRN	Overall Height (m)
1	1249764	
2	1249765	

## Night:

Tower No.	ASRN	Overall Height (m)
1	1249764	
2	1249765	

## DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 643.5 Night: 386.1

Standard RMS (mV/m/km): Day: 676.1 Night: 405.6

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	78.4
2	1.0000	-47.500	162.4000	61.500	0	78.4

## \* 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	78.4
2	1.0000	-47.500	162.4000	61.500	0	78.4

## \* 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	47.5	1

## Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	0.8
2	47.5	0.8

Antenna Monitor: POTOMAC INSTRUMENTS AM-19 S/N 1809

Sampling System Approved Under Section 73.68 of the Rules.

## Special operating conditions or restrictions:

- 1 The facility described herein is considered to be a secondary facility and will not be afforded interference protection from other existing or future assignments for primary facilities.

The authority to operate the facilities described herein is expressly subject to the outcome of any future rulemaking regarding synchronous AM facilities. As a result, this license may be terminated or modified without notice or right to hearing.

In the event that the FCC institutes a rulemaking regarding AM synchronous operations, the licensee shall participate by filing detailed comments regarding its experience with the facilities described herein.

Licensee shall submit detailed reports every six (6) months describing all technical aspects of the operation as well as the results of measurement data including both quantitative and qualitative descriptions of the received signal quality in the areas of coverage and mutual interference of the primary and synchronous WISO (ID# 61147) facility.

The carrier frequency shall normally be maintained within a tolerance of 0.2 Hz of the primary WISO carrier frequency, however, specific short-term tests of greater frequency separation may be made.

- 2 This application is being granted prior to the completion of the International Telecommunications Union (ITU) registration process. Therefore, any construction of and operation with the facilities specified herein is at applicant's own risk and subject to modification, suspension or termination without right to hearing, if found by the Commission to be necessary in order to conform to the provisions of the registration process of the ITU, and to bilateral and other multilateral agreements between the United States and other countries.
- 3 A renewal of license application must be filed with the Commission before this license expires on April 11, 2010, and every year thereafter since this is an experimental facility, unless the licensee has terminated operations and notified the Commission in writing.
- 4 Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 59.4 meters in length except where terminated by property boundaries.

Special operating conditions or restrictions:

5 Monitor Point Descriptions:

61.5° - From transmitter site proceed on PR-343 east for 1.4 km until km 1.3, then northeast on road to Rio Hondo Ward and proceed for 2.3 km to point located on left side of road in front of small sing (MP-1 WI2XSO), across from house of other side of road with three mailboxes (315, 317, 319), 2.55 km from site, max 116.6 mV/m daytime.

206° - From intersection of Plan Bonito Road and PR-102, proceed south on PR-102 for 4.3 km until km 15.6, then left for 0.4 km to point indicated with sign (MP-2 WI2XSO), across from boundary line of property lot #270, 5.9 km from site, max 1.7 mV/m daytime.

277° - From intersection of Plan Bonito Road and PR-102, proceed north on PR-102 for 0.9 km until km 9.1, then take Pedestrian Way toward beach located along the Severa Stage building property line, on shore, turn to right and walk for 50 meters and point locate din front of sign (WP-3 WI2XSO), 2.7 from site, max 12.0 mV/m daytime.

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