

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BL-850603AE

Call Sign: WAVB WBSG

File No: 53629

AM BROADCAST STATION LICENSE

Subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts, Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license,¹ the LICENSEE

PROFESSIONAL RADIO BROADCASTING CORP.

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term ending 3 a.m. Local Time FEBRUARY 1, 1989 in accordance with the following:

1. Station location: Lajas, PR

2. Main Studio location:
(Listed only if not at transmitter site or not within boundaries of principal community)

3. Remote control location: - -

4. Transmitter location: Rd. 306 Km. 0.7
Lajas, PR

North latitude : 18 ° 02 ' 11 "
West longitude: 67 ° 04 ' 58 "

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

6. Antenna and ground system: Attached

7. Obstruction marking and lighting specifications — FCC Form 715, paragraphs: 1, 3, 12, 21 & 22.

8. Frequency (kHz.): 1510

9. Nominal power (kW): 0.76 Day
0.76 Night

Antenna input power (kW): 0.76 Day

Non-directional antenna: current _____ amperes; resistance _____ ohms.
 Directional antenna : current 3.9 amperes; resistance 50 ohms.

0.76 Night

Non-directional antenna: current _____ amperes; resistance _____ ohms.
 Directional antenna : current 3.9 amperes; resistance 50 ohms.

10. Hours of operation: Specified in construction permit (BP -790532AG, BMP-840725AA & BMP-850710AC)

11. Conditions: - - -

The Commission reserves the right during said license period of terminating this license or making effective any change, or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

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 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, as amended. 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, as amended.

¹ This license consists of this page and pages 2 & 3

Dated: APR 21 1987 ajs

FEDERAL
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APR 23 1987

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Date: 1/23/86

DA- 1

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Two, uniform cross section, guyed, series excited steel towers. Theoretical RMS: 281.64 mV/m at 1 km day and night. STD RMS: 295.90 mV/m at 1 km.

Height above Insulators: 300' (165.8°)

Overall Height: 303'

Spacing and Orientation: Two towers in line spaced 130° apart on a bearing of 327°

Non-Directional Antenna: N/A

Ground System consists of 120-163' evenly spaced soft drawn solid copper wire radials.

2. THEORETICAL SPECIFICATIONS

Phasing:	Tower	S(#1)	N(#2)
	Night:	0°	63.2°
	Day:	0°	63.2°
Field Ratio:	Night:	1.00	1.00
	Day:	1.00	1.00

3. OPERATING SPECIFICATIONS

Phase Indication*:	Night:	0°	78°
	Day:	0°	78°

Antenna Base Current Ratio:	Night:	1.00	0.43
	Day:	1.00	0.43

Antenna Monitor Sample

Current Ratio:	Night:	1.00	0.43
	Day:	1.00	0.43

* As indicated by Potomac Instruments AM-19(204) Antenna Monitor.

ANTENNA SAMPLING SYSTEM APPROVED UNDER SECTION 73.68(b) OF RULES.

DESCRIPTION OF AND FIELD STRENGTH OF MONITORING POINTS:

Direction of 147 degree true North. From the station travel North on the dirt road for 0.1 miles to paved Road 306. At Road 306 turn right to head East for 0.45 miles, at the intersection with Road 101 turn left to head South for 0.65 miles on Road 101. At the "Y" junction with Road 303 turn left to head East for 0.1 miles and keep on Road 303 to the right, now heading South for 1.4 miles. At "T" junction with Road 305 turn left to head East for 0.4 miles. The point is at the entrance gate on South side (right) of the road. This point is 2 miles from WAVB. The field intensity measure at this point should not exceed 88.6 m V/m.

Direction of 301 degree true North. From the Station drive North for 0.1 miles to paved Road #306 and turn left to head West, on the road travel for 1.05 miles and turn right to head North on "T" junction with Road 394. Keep on paved Road 394 for 0.25 miles. The monitoring point is at the open dirt area which lies to the right of the turn of Road 394 and, more specifically, midway between the wire fence and the mango tree. This point is 1.2 miles from WAVB. The field intensity measured at this point should not exceed 0.22 mV/m.

Direction of 353 degree true North. Follow the route to Point #1 and proceed on Road 394 until 1.9 miles have been traveled from the "T" junction of Road 306 with Road 394. At the "T" junction of Road 394 and 312 turn left to head West for 0.45 miles to "T" junction with Road 314. At this junction turn right to head North East for 0.55 miles. The point is about 50 ft. past the km. 3.3 mark and at the opposite side (left side) of the road in front of the avocado tree located 20 ft. from the rural residences' entrance to the right. This point is 2.32 miles from WAVB. The field intensity measured at this point should not exceed 2./34 mV/m.