

AM BROADCAST STATION LICENSE

Call Sign : WEGA

LICENSEE: Vega Baja Broadcasting Corporation

1. Community of License. . . : Vega Baja, Puerto Rico

2. Transmitter location. . . . : Los Naranjos  
0.27 km east Rt. 680

North Latitude. . . . . : 18° 28' 38"  
West Longitude . . . . . : 66° 23' 43"

6. Antenna and ground system: Attached

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

4. Main Studio Location: (See Section 73.1125)

5. Remote control location  
Jardines Plaza  
Bo. Algarrobo Rt. 2 km 40.2

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: None Required.

8. Frequency. . . . . : 1350 kHz

9. Nominal power (kW). . . . . : 2.5 Day 2.5 Night

Antenna input power (kW) :

2.7 Day

☐ Non-directional antenna:  
☒ Directional antenna : current

7.35 amperes: resistance 50 ohms.

2.7 Night

☐ Non-directional antenna:  
☒ Directional antenna : current

7.35 amperes: resistance 50 ohms.

10. Hours of operation : BP-830307AA & BMP-840510AB

11. Conditions. . . . . :

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,<sup>1</sup> the LICENSEE is hereby authorized to use and operate the radio transmitting apparatus herein described for the purpose of broadcasting for the term ending 3 A.M. Local Time

February 1, 1996

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.

The license is issued on the licensee's representation that the statements contained in the 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, as amended. This license is subject to the right of control by the Government of the United States conferred by section 606 of the Communications Act of 1934, as amended.

EAL:rao

FEDERAL  
COMMUNICATIONS  
COMMISSION



<sup>1</sup> This license consists of this page and pages 2, 3 & 4

Dated:

FEB 22 1994

File No.: BZ-930903AB

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1. **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

**No. and Type of Elements:** Three uniform cross section, series excited guyed towers. Theoretical RMS: 482.34 mV/m, night; 455.12 mV/m at 1 km, day. Standard RMS: 506.729 mV/m at 1 km, night; 478.164 mV/m at 1 km, day. Q=15.81 mV/m, night ; 15.81 mV/m, day.

**Height above Insulators:** 55.49 (90°)

**Overall Height:** 56.4°

**Spacing and Orientation:** With tower (SE) as reference, center tower #3 is 83° away at a bearing of 285° TN and NW tower #1 is 156° away at a bearing of 285° TN.

**Non-Directional Antenna:** N/A

**Ground System consists of 120-55.49** equally spaced, buried, copper radials about the base of each tower. Intersecting radials shortened and bonded to transverse copper strap midway between towers. In addition a 7.32m x 7.32m copper mesh screen has been installed at base of each tower.

2. **THEORETICAL SPECIFICATIONS**

| <b>Towers:</b>      |        | SE(#1) | Center (#3) | NW(#2) |
|---------------------|--------|--------|-------------|--------|
| <b>Phasing:</b>     | Night: | 0°     | 123.72°     | 8.72°  |
|                     | Day:   | -21.3° | --          | 0°     |
| <b>Field Ratio:</b> | Night: | 1      | 0.785       | 0.318  |
|                     | Day:   | 1      | --          | 1      |

3. **OPERATING SPECIFICATIONS**

**Phase Indication\*:**

|        |      |      |      |
|--------|------|------|------|
| Night: | 0°   | 118° | -25° |
| Day:   | -16° | --   | 0°   |

**Antenna Base**

**Current Ratio:**

|        |       |       |       |
|--------|-------|-------|-------|
| Night: | 1.00  | 1.093 | 0.389 |
| Day:   | 0.939 | --    | 1.00  |

**Antenna Monitor Sample**

**Current Ratio:**

|        |      |      |      |
|--------|------|------|------|
| Night: | 1.00 | 1.10 | 0.37 |
| Day:   | 1.0  | --   | .92  |

\* As indicated by Potomac Instruments AM-19D (210) Antenna Monitor.  
Antenna sampling system approved under Section 73.68 (b) of the Rules.

**DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:**

**Direction of 105° true North.** From transmitter building proceed east along the dirt road for 0.11 kilometers (0.07 mile). Turn right, onto a hard surface road and proceed for 0.43 kilometers (0.27 mile). Turn right and proceed 0.14 kilometers (0.09 mile), to highway No. 686. Turn left onto this highway and proceed 3.54 kilometers (2.2 miles) to Route No. 2. Turn left onto this road and proceed 0.97 kilometers (0.6 mile) to highway No. 688. Turn left onto this highway and proceed 4.83 kilometer (3 miles) to highway No. 690. Turn left onto this road and proceed 0.16 kilometers (0.1 mile) to monitor point. Monitor point is on the east edge of the road in front of a fence post marked with red paint. This is Point No. 8 of the survey and is 5.34 kilometers (3.32 miles) from the transmitters. The field intensity measured at this point should not exceed 55.4 mV/m, Daytime.

**Direction of 285° true North.** From transmitter building proceed east along the dirt road for 0.11 kilometers (0.07 miles). Turn right, onto a hard surface road and proceed for 0.43 kilometers (0.27 mile). Turn right and proceed 0.14 kilometers (0.09 mile), to highway No. 686. Turn right onto this highway and proceed 2.25 kilometers (1.4 miles) to an intersection near the beach. Turn left and proceed 2.9 kilometers (1.8 miles) to entrance of Ferdinard farm house. This entrance is a dirt road leading to the farm house. Walk 120 paces from the road onto this dirt road to the monitor point. Monitor point is at the center of this dirt road in line with a red paint marked fence post. This is Point No. 12 of the survey and is 2.9 kilometers (1.80 miles) from the transmitter. The field intensity measured at this point should not exceed 6.4 mV/m, Daytime and 29.5 mV/m, Nighttime.

**Direction of 330° true North.** From transmitter building proceed east along the dirt road for 0.11 kilometers (0.07 miles). Turn right, onto a hard surface road and proceed for 0.43 kilometers (0.27 mile). Turn right and proceed 0.14 kilometers (0.09 mile), to highway No. 686. Turn right onto this highway and proceed 2.25 kilometers (1.4 miles) to an intersection near the beach. Turn left and proceed 0.48 kilometers (0.2 mile) to monitor point. Monitor point is on edge of the sidewalk in front of a two stories house. This is Point No. 11 of the survey and is 1.70 kilometers (1.06 miles) from the transmitter. The field intensity measured at this point should not exceed 136.6 mV/m, Daytime and 59 mV/m, Nighttime.

**DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:**

**Direction of 253.5° true North.** From transmitter building proceed east along the dirt road for 0.11 kilometers (0.07 miles). Turn right, onto a hard surface road and proceed for 0.43 kilometers (0.27 mile). Turn right and proceed 0.14 kilometers (0.09 mile), to highway No. 686. Turn right onto this highway and proceed 2.25 kilometers (1.4 miles) to an intersection near the beach. Turn left and proceed 3.86 kilometers (2.4 miles) to highway No. 687. Turn left onto this highway and proceed 1.77 kilometers (1.1 miles) to monitor point. Monitor point is at the west edge of road in front of a tree with a painted T mark. This is point No. 3 of the survey and is 3.28 kilometers (2.04 miles) from the transmitter. The field intensity measured at this point should not exceed 4.5 mV/m Nighttime.

**Direction of 316.5° true North.** From transmitter building proceed east along the dirt road for 0.11 kilometers (0.07 miles). Turn right, onto a hard surface road and proceed for 0.43 kilometers (0.27 mile). Turn right and proceed 0.14 kilometers (0.09 mile), to highway No. 686. Turn right onto this highway and proceed 2.25 kilometers (1.4 miles) to an intersection near the beach. Turn left and proceed 0.85 kilometers (0.53 miles) to monitor point. Monitor point is at the south of the road adjacent to cyclone wire and wood gate. This is point No. 10 of the survey and is 1.98 kilometers (1.23 miles) from the transmitter. The field intensity measured at this point should not exceed 10.1 mV/m, Nighttime.