

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION  
**MODIFIED**

File No.: **BR781002VE**

Call Sign: **WRNG**

**STANDARD BROADCAST STATION LICENSE**

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

**RADIOCENTRO BROADCASTING COMPANY**

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, 1982**

The licensee shall use and operate said apparatus only in accordance with the following terms:

- On a frequency of **1550** kHz.
- With nominal power of **-** watts nighttime and **10 kilo** watts daytime,  
with antenna input power of **-** watts **-** directional 

---	current	---	amperes
---	resistance	---	ohms,

  
antenna nighttime .....  
and antenna input power of **10.5 kilo** watts **-** directional 

Common Point	current	<b>14.5</b>	amperes
Common Point	resistance	<b>50</b>	ohms

  
antenna daytime .....

3. Hours of operation: **Daytime as follows:**

Jan. 7:15am to 5:45pm; Feb. 7:00am to 6:15pm;  
 Mar. 6:30am to 6:30pm; Apr. 6:00am to 6:45pm;  
 May 5:30am to 7:00pm; June 5:30am to 7:15pm;  
 July 5:30am to 7:15pm; Aug. 6:00am to 7:00pm;  
 Sep. 6:00am to 6:30pm; Oct. 6:00am to 7:00pm;  
 Nov. 6:45am to 5:30pm; Dec. 7:00am to 5:30pm;  
 Eastern Standard Time (Non-Advanced).

The provisions of Section 73.30 of the Commission's rules are **WAIVED** to the extent of permitting re-location of the main studio outside the corporate limits of Coral Gables, Florida. This authorization does not effect primary obligation to serve Coral Gables.

- With the station located at: **Coral Gables, Florida**
- With the main studio located at: **2260 S.W. 8th Street  
Miami, Florida**
- Remote control point: **-**

7. Transmitter location: **Section 17, Township 55,  
South Range 42, East Shoal #4,  
Coral Gables, Florida**

North Latitude: **25° 39' 02"**  
 West Longitude: **80° 09' 36"**

8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: **1 & 2**

9. Transmitter(s): **TYPE ACCEPTED**

10. Conditions: **-**

The Commission reserves the right during said license period of terminating this license or making effective any changes 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. 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.

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

Dated: **January 31, 1979**  
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FEDERAL  
COMMUNICATIONS  
COMMISSION



File No. **HR781002VE**

Call Sign: **WRHC**

Date: **1-31-79**

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA-D

No. and Type of Elements: **Four (4) uniform cross-section, guyed, series excited vertical radiators. A parabolic-type receiving antenna is side-mounted near the top of tower #4 (NW).**

Height above Insulators: **150' (85°)**

Overall Height: **154'**

Spacing and Orientation: **Towers spaced 156.71' (90°) on a line bearing 316° true.**

Non-Directional Antenna: **None used.**

Ground System consists of **240 copper radials extending from each tower 45' and elevated 5' above mean sea level, brazed to copper perimeter cable supported by piles in circle about each tower. From this primary perimeter cable, 120 radials, also elevated 5' above MSL extend 40' to a secondary perimeter cable supported by piles. Here wires descend vertically to a perimeter cable below the water. Thence each wire extends to an intersecting bonding cable between towers or to a concrete weight length from the tower.**

2. THEORETICAL SPECIFICATIONS

	<u>#1(SE)</u>	<u>#2(SO)</u>	<u>#3(NO)</u>	<u>#4(NW)</u>
Phasing:	0°	-126.4°	+104.9°	-21°
Field Ratio:	1.0	2.128	1.784	0.578

3. OPERATING SPECIFICATIONS

Phase Indication*:	-114.2°	129°	0°	-114.7°
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Antenna Base

Current Ratio:	0.383	0.990	1.0	0.250
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**Antenna Monitor Sample**

Current Ratio:	0.415	1.057	1.0	0.203
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\*As indicated by **Potomac Instruments** / **AW-19(204)** antenna monitor.

Field measuring equipment shall be available at all times and the field intensity at each of the monitoring points shall be measured at least once every thirty days and an appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of  $138^{\circ}$  true North. Proceed northward from dock 200 feet to intersection with Biscayne Channel. Proceed 0.5 mile on a compass course of  $90^{\circ}$  to day beacon "9". Proceed 1.65 miles on a compass course of  $157^{\circ}$  to the monitor point, which is marked by a white plastic ball float and a buoy with a red flag. The field intensity measured at this point should not exceed 14.8 mv/m.

Direction of  $170^{\circ}$  true North. From  $138^{\circ}$  monitor point proceed 1 mile on a compass course of  $276^{\circ}$  to monitor point, which is marked by a metal pipe painted with alternate red and white bands and also by four white plastic ball floats. The field intensity measured at this point should not exceed 14.7 mv/m.

Direction of  $208^{\circ}$  true North. From  $170^{\circ}$  monitor point proceed 4100 feet on a compass course of  $288^{\circ}$  to the monitor point, which is marked by a metal pipe painted with alternate red and white bands and also by two white plastic ball floats. The field intensity measured at this point should not exceed 46.8 mv/m.

Direction of  $218^{\circ}$  true North. From  $208^{\circ}$  monitor point proceed 1700 feet on a compass course of  $264^{\circ}$  to the monitor point, which is marked by a metal pipe painted with alternate red and white bands and also by two white plastic ball floats. The field intensity measured at this point should not exceed 29.3 mv/m.