

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No.: BL-851015AJ

Call Sign: WHHQ WFXH  
48366

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,<sup>1</sup> the LICENSEE

HILTON HEAD 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  
DECEMBER 1, 1988 in accordance with the following:

1. Station location: Hilton Head Island, SC
2. Main Studio location:  
(Listed only if not at transmitter site or not within boundaries of principal community)
3. Remote control location: 14 Archer Road  
Hilton Head Island, SC
4. Transmitter location: Marshalnd Rd.  
35 miles NW of Brams Landing  
Hilton Head Island, SC  
North latitude : 32° 12 ' 01 "  
West longitude: 80° 43 ' 27 "
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: None required
8. Frequency (kHz.): 1130
9. Nominal power (kW): 1.0 Day  
0.5 Night  
Antenna input power (kW): 1.0 Day  
0.54 Night  
☒ Non-directional antenna: current 5.42 amperes; resistance 34 ohms.  
☐ Directional antenna : current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.  
☐ Non-directional antenna: current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.  
☒ Directional antenna : current 3.29 amperes; resistance 50 ohms.
10. Hours of operation: Specified in construction permit (BP -830613AC & BMP-850923AC)
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.

<sup>1</sup> This license consists of this page and pages



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1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA-N

No. and Type of Elements: Four, guyed, series-excited, steel radiators of uniform cross-section. Theoretical RMS: 206.9 mV/m/kM. Standard RMS: 217.3 mV/m/Km.

Height above Insulators: #1 = 192' (79.4°) #2, 3, 4 = 145' (60°)

Overall Height: #1 = 195' #2, 3, 4 = 148'

Spacing and Orientation: With tower #1 as reference, #2 is spaced 90° on a line 350°; #3 is spaced 100° on a line 260°; and #4 is spaced 120° on a line 305°.

Non-Directional Antenna: (S) #1, Theoretical efficiency is 306 mV/m/kM

Ground System consists of 120 equally spaced buried radials about the base of each tower and extending to the property or to intersection with transverse copper strap. In addition a 48' x 48' mesh screen has been installed at the base.

2. THEORETICAL SPECIFICATIONS

	Tower	#1(S)	#2(N)	#3(W)	#4(NW)
Phasing:	Night	0°	109.5°	102°	-138°

Field Ratio:	Night	1.0	1.421	1.218	1.107
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3. OPERATING SPECIFICATIONS

Phase Indication*:	Night	-109.8°	0°	-7.4°	110.9°
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Antenna Base					
Current Ratio:	Night	0.430	1.00	0.823	0.886

Antenna Monitor Sample					
Current Ratio:	Night	0.424	1.00	0.825	0.844

\* As indicated by Gorman-Redlick CMR (3-242) antenna monitor.

EXEMPTIONS AS LISTED IN SECTION 73.68(b) OF THE RULES WILL APPLY DURING PROPER OPERATION OF APPROVED SAMPLING SYSTEM.

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 seven days and appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD STRENGTH OF MONITORING POINTS:

Direction of  $9^{\circ}$  true North. From transmitter site turn left on Marshland Road. Go 1.3 miles to intersection of Matthews Drive, turn right go .3 mile to intersection of Matthews Drive and Highway 278, turn left on Highway 278. Go 2.4 miles to entrance of Hilton Head Plantation, turn right, proceed .13 miles to entrance of Hilton Head Plantation Executive Offices turn right, point is 100 feet from intersection in parking lot circle. The field intensity measured at this point should not exceed 10.4 mV/m.

Direction of  $31^{\circ}$  true North. From transmitter site turn left on Marshland Road. Go 1.3 miles to intersection of Matthews Drive. Turn left, proceed 2.5 miles to intersection of Beach City Road and Matthews Drive. Turn right, go .1 mile. Monitor point is across street in front of the Black African Church beside old gate. The field intensity measured at this point should not exceed 1.81 mV/m.

Direction of  $229.5^{\circ}$  true North. From transmitter site turn left on Marshland Road. Go 1.3 miles to intersection of Matthews Drive, turn right, go .3 mile to intersection of Matthews Drive and Highway 278. Turn right, go 5 miles and bear right onto Palmetto Bay Road. Go .8 miles. Monitor Point is on left side of road across from Palmetto Business Park. The field intensity measured at this point should not exceed 1.75 mV/m.

Direction of  $264^{\circ}$  true North. From the transmitter site turn right on Marshland Road. Proceed 2.4 miles to intersection of Pond Road and Marshland Road. Turn right on Pond Road, go 1.3 miles to intersection of Spanish Wells Road and Pond Road. Turn right, bear right go .15 miles. Point is on left side of road in front of No through Entrance sign. The field intensity measured at this point should not exceed 0.9 mV/m.

Direction of  $343^{\circ}$  true North. From transmitter site turn left on Marshland Road, go 1.2 miles to intersection of Matthews Drive, turn right go .3 miles to intersection of Matthews Drive and Highway 278. Turn left on Highway 278, go 5.3 miles to intersection of Squires Pope Road and Highway 278. Turn right on Squires Pope Road and proceed 5.68 miles to intersection of Seabrook Drive and Skull Creek Drive in Hilton Head Plantation. Turn left on Skull Creek Drive, go 130 ft. Monitor point is on left side of road next to Recreation Center sign. The field intensity measured at this point should not exceed 0.78 mV/m.