

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION  
AM BROADCAST STATION LICENSE

File No. : BL-970401AM

Call Sign : WDUN

LICENSEE: JWW Properties, Inc.

- 1. Community of License. . . . : Gainesville, Georgia
- 2. Transmitter location. . . . : On the east side of Pine Valley, Gainesville, GA

North Latitude. . . . . : 34° 20' 08"  
 West Longitude . . . . . : 83° 47' 32"

- 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)  
1102 Thompson Bridge Rd.  
Gainesville, GA

5. Remote control location  
1102 Thompson Bridge Rd.  
Gainesville, GA

- 7. Antenna Registration: 1019972, 1019973, 1019974 for tower #1, 2, 3 respectively.

8. Frequency. . . . . : 550 kHz

9. Nominal power (kW). . . . . : 10.0 Day 2.5 Night

Antenna input power (kW):

10.0	Day	<input checked="" type="checkbox"/> Non-directional antenna:	current	20.6	amperes:	resistance	23.5	ohms.
		<input type="checkbox"/> Directional antenna :						
2.7	Night	<input type="checkbox"/> Non-directional antenna:	current	7.4	amperes:	resistance	50	ohms.
		<input checked="" type="checkbox"/> Directional antenna :						

10. Hours of operation : Unlimited

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

April 1, 2004.

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.

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

Dated:

JUL 1 1997

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1. **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

**No. and Type of Elements:** Three (3) vertical, guyed, series-excited, steel radiators of uniform cross section. Theoretical RMS: 476.33 mV/m at 1 km, night; Standard RMS: 500.83 mV/m/kw at 1 km, night; Q=25.43, night.

**Height above Insulators:** 112m

**Overall Height:** 114m

**Spacing and Orientation:** Using tower #2 as reference, tower #1 is spaced 70° at a bearing of 0° TN; tower #3 is spaced 70° at a bearing of 197° TN.

**Non-Directional Antenna:** Tower#2; Theoretical RMS: 304.2 mV/m/kw at 1 km.

**Ground System consists of 120**-equally spaced, buried, copper radials 142.3m in length plus a 7.6m x 7.6m ground screen at the base of each tower.

2. **THEORETICAL SPECIFICATIONS**

Towers:	#1	#2	#3
Phasing: Night:	143°	0°	-155°
Field Ratio: Night:	0.585	1.0	0.572

3. **OPERATING SPECIFICATIONS**

Phase Indication*:			
Night:	140°	0°	-159°

**Antenna Base**

Current Ratio:			
Night:	0.633	1.00	0.533

**Antenna Monitor Sample**

Current Ratio:			
Night:	0.660	1.00	0.540

\* As indicated by Potomac Instruments AM-19 (204) Antenna Monitor.  
Antenna sampling system approved under Section 73.68 (b) of the Rules.

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**FIELD INTENSITY MEASURED AT MONITORING POINTS AND MONITORING POINT LOCATION:**

**Direction of 100.8° TN.** The monitoring point is 3.1 miles from the WDUN antenna. The field intensity measured at this point should not exceed 21.9 mV/m.

**Direction of 278.8° TN.** The monitoring point is 2.5 miles from the WDUN antenna. The field intensity measured at this point should not exceed 6.8 mV/m.

**Direction of 303.9 TN.** The monitoring point is 2.35 miles from the WDUN antenna. The field intensity measured at this point should not exceed 18.8 mV/m.

**Direction of 339.7° TN.** The monitoring point is 2.1 miles from the WDUN antenna. The field intensity measured at this point should not exceed 3.2 mV/m.