FCC Form 352
May 1988

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

AM BROADCAST STATION LICENSE

File No. : BL-951017AA
FAC ID 2802
Call Sign : WGSF WMPS

LICENSEE: Arlington Broadcasting Company ID 2802

1. Community of License. . . : Bartlett, TN

2. Transmitter location. . . . : Rockyford Road
Bartlett, TN

North Latitude. . . . . : 35° 15' 40"
West Longitude . . . . . : 89° 49' 50"

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)*

6080 Mt. Moriah Ext.
Memphis, TN

5. Remote control location
6080 Mt. Moriah Ext.
Memphis, TN

6. Antenna and ground system:
Attached

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

8. Frequency. . . . . : 1210 kHz

9. Nominal power (kW). . . . . : 10.0 Day 0.25 Night

Antenna input power (kW) :

10.53 Day ☐ Non-directional antenna: ☒ Directional antenna : current 14.51 amperes: resistance 50 ohms.

0.27 Night ☐ Non-directional antenna: ☒ Directional antenna : current 2.32 amperes: resistance 50 ohms.

10. Hours of operation : BP-920127AC

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,[1] 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

August 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 f or control by the Government of the United States conferred by section 606 of the Communications Act of 1934, as amended.

EAL:rao

[1] This license consists of this page and pages 2, 3 & 4

Dated: APR 10 1996

FEDERAL COMMUNICATIONS COMMISSION

FCC Form 353-A
June 1980

File No.: BL-951017AA **Call Sign:** WGSF
WMPS

1. **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

No. and Type of Elements: Four (4), series-excited guyed towers. Theoretical RMS: 145.1 mV/m at 1 km, Night; 917.9 mV/m at 1 km, Day. Standard RMS: 152.7 mV/m @ 1km, Night; 964.3 mV/m at 1km, Day. Q = 10 mV/m, Night; 31.6 mV/m, Day. Tower #4 supports an STL antenna.

Height above Insulators: 57.9 m (84.1°)

Overall Height: 59.4

Spacing and Orientation: With tower #1 as reference, tower #2 is 85° away along 210° TN, tower #3 is 150° away along 310° TN and tower #4 is 159.1° along 278.2° TN.

Non-Directional Antenna: None Authorized

Ground System consists of 120 equally spaced, buried, copper radials about the base of each tower extending up to 62.5 m in length except where terminated by property boundary or where intersecting radials are shortened and bonded plus 120 interspersed radials 15 m in length about the base of each tower.

2. **THEORETICAL SPECIFICATIONS**

	Tower	#1	#2	#3	#4
Phasing:	Night & Day	0°	-107.0°	-8.0°	-98.9°
Field Ratio:	Night & Day	1.0	0.715	0.580	0.823

3. **OPERATING SPECIFICATIONS**

Phase Indication*:	Night & Day:	76.5°	-22.2°	72.0°	0°
Antenna Base Current Ratio:					
Night:		1.336	0.844	0.742	1.0
Day:		1.346	0.840	0.753	1.0
Antenna Monitor Sample Current Ratio:					
Night & Day		1.417	0.841	0.751	1.0

* **As indicated by** Potomac Instruments AM 1901 Antenna Monitor.
Antenna sampling system approved under Section 73.68 (b) of the Rules.

File No: BL-951017AA **Call Sign:** WGSF WMPS

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 32.5° True North. From the WGSF driveway, turn left onto Rockyford Road and proceed south approximately 0.45 kilometers (0.28 miles), to the intersection of Rockyford and Old Brownsville Road. Turn left onto Old Brownsville Road and proceed east approximately 6.0 kilometers (3.73 miles) to the intersection of Brunswick Road. Turn left onto Brunswick Road and proceed 3.84 kilometers (2.39 miles) to a "T" intersection. Make a left turn and proceed 3.68 kilometers (2.29 miles) to a sharp right turn onto Pleasant Ridge Road. Travel 0.61 kilometers (0.38 miles) to Donnell Road. Make a left turn onto Donnell Road and proceed 0.98 kilometers (0.61 miles) to the 32.5° monitor point. The monitor point is painted on the east edge of Donnell Road, 0.24 kilometers (0.15 miles) south of a large oak tree on the east-side right-of-way to Donnell Road. The point number in the proof of performance is "26". This point is 6.83 kilometers from the center of the WGSF antenna system. The field intensity measured at this point should not exceed 5.8 mV/m, Day.

Direction of 46.5° True North. From the WGSF driveway, turn left onto Rockyford Road and proceed south approximately 0.45 kilometers (0.28 miles), to the intersection of Rockyford and Old Brownsville Road. Turn left onto Old Brownsville Road and proceed east approximately 6.0 kilometers (3.73 miles) to the intersection of Brunswick Road. Turn left onto Brunswick Road and proceed 3.84 kilometers (2.39 miles) to a "T" intersection. Make a left turn and proceed 2.48 kilometers (1.54 miles) to Cedar Ridge Road. The monitor point is 0.09 kilometers (0.05 miles) south of the intersection on Cedar Ridge Road. The monitor point is 50 feet south of the mailbox to 6165 Cedar Ridge Road and is painted on the west edge of the road. The point number in the proof of performance is "27". This point is 5.37 kilometers from the center of the WGSF antenna system. The field intensity measured at this point should not exceed 9.6 mV/m, Day.

Direction of 67° True North. From the WGSF driveway, turn left onto Rockyford Road and proceed south approximately 0.45 kilometers (0.28 miles), to the intersection of Rockyford and Old Brownsville Road. Turn left onto Old Brownsville Road and proceed east approximately 6.0 kilometers (3.73 miles) to the intersection of Brunswick Road. Turn left onto Brunswick Road and proceed approximately 2.5 kilometers (1.55 miles) to the 67° monitor point. The monitor point is painted on the west edge of Brunswick Road at the intersection of Brunswick and Stewart Road.

File No: BL-951017AA **Call Sign:** WGSF
WMPS

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

This point is number "28" in the proof of performance. The point is 6.60 kilometers from the center of the WGSF antenna system. The field intensity measured at this point should not exceed 7.2 mV/m, Day.

Direction of 100° True North. From the WGSF driveway, turn left onto Rockyford Road and proceed south approximately 0.45 kilometers (0.28 miles), to the intersection of Rockyford and Old Brownsville Road. Turn left onto Old Brownsville Road and proceed east approximately 6.0 kilometers (3.73 miles) to the intersection of Brunswick Road. Turn right onto Brunswick Road and proceed 1.10 kilometers (0.68 miles) to the monitor point. The point is painted on the west side of Brunswick Road approximately 650 feet south of the cemetery and 30 feet east of a fire hydrant, near 4645 Brunswick Road. This point is number "29" in the proof of performance. The point is 5.4 kilometers from the center of the WGSF antenna system. The field intensity measured at this point should not exceed 10 mV/m, Day.