

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No.: BZ-860603AE

Call Sign: WJDX

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

STERLING COMMUNICATIONS CORPORATION

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 in accordance with the following:

JUNE 1, 1989

1. Station location: Jackson, MI
2. Main Studio location:  
(Listed only if not at transmitter site or not within boundaries of principal community)
3. Remote control location: Beasley Road & Watkins Drive  
Jackson, MI
4. Transmitter location: Beasley Road  
Jackson, MI  
North latitude: 32 ° 22 ' 56 "  
West longitude: 90 ° 11 ' 26 "
5. Transmitter(s): Type Accepted. (See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.)
6. Antenna and ground system: See Page 2.
7. Obstruction marking and lighting specifications — FCC Form 715, paragraphs: 1, 3, 12 & 21.
8. Frequency (kHz.): 620
9. Nominal power (kW): 5.0 Day  
1.0 Night
- Antenna input power (kW): 5.0 Day  
1.08 Night  
☒ Non-directional antenna: current 14.43 amperes; resistance 24 ohms.  
☐ Directional antenna : current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.
- ☐ Non-directional antenna: current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.  
☒ Directional antenna : current 4.58 amperes; resistance 51.5 ohms.
10. Hours of operation: Specified in ~~license~~ ~~BR-1952~~ BR-1952.
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.





June 1980

File NO. BZ-860603AE

Call Sign: WJDX

Date:

DA- N

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

**No. and Type of Elements:** Three uniform cross-section, guyed series-excited vertical radiators. Remote pickup antenna side-mounted near top of C(#2) tower. Theo. RMS: 300.9 mV/m @ 1 km. Aug. RMS: 318.4 mV/m @ 1 km.

**Height above Insulators:** 91.4 m (68°)

**Overall Height:** 93.3 m

**Spacing and Orientation:** 188.1 m (140°) between adjacent towers on a line bearing 23° True.

**Non-Directional Antenna:** C(#2) tower.

Ground System consists of 120 equally spaced, buried, copper radials 122 meters in length plus 120 equally spaced, buried copper radials each 12.2 meters in length about the base of each tower. Bonding straps between tower bases and between overlapping radials.

2. THEORETICAL SPECIFICATIONS

Phasing:	Tower	$\frac{S(\#1)}{0^\circ}$	$\frac{C(\#2)}{-191^\circ}$	$\frac{N(\#3)}{-110^\circ}$
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Field Ratio:		1.0	0.60	0.88
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3. OPERATING SPECIFICATIONS

Phase Indication*:		0°	153°	-119°
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Antenna Base Current Ratio:		1.00	0.72	1.01
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Antenna Monitor Sample Current Ratio:		1.00	0.56	0.93
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\* As indicated by Potomac Instruments AM-19(204) Antenna Monitor.

ANTENNA SAMPLING SYSTEM APPROVED UNDER SECTION 73.68(b) OF THE RULES.



DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 23 degree true North. From the station driveway proceed west 0.97 km on Beasley Road, northerly 1.69 km on Livingston Road, east 2.03 km on County Line Road to monitoring point located 30.5 m north of pavement and 7.6 m southwest of large pecan tree. Distance from the transmitter 2.22 km. The field intensity measured at this point should not exceed 46.9 mV/m.

Direction of 43 degree true North. From the 23 degree monitoring point proceed east 1.00 km on County Line Road to monitoring point located 7.6m S. of pavement in center of sub-division road. Distance from the transmitter is 2.74 km. The field intensity measured at this point should not exceed 29.0 mV/m.

Direction of 88 degree true North. From the 43 degree monitoring point proceed easterly 2.00 km to State Street, southwesterly 2.20 km to Briarwood, easterly 1.82 km to Ridgewood Road, north 0.43 km to Adkins Boulevard, and east 1.50 km to monitoring point located 15.2 m south of gate into golf course, at south edge of tee. Distance from the transmitter is 6.10 km. The field intensity measured at this point should not exceed 47.5 mV/m.

Direction of 285 degree true North. From the station driveway proceed west 0.97 on Beasley Raod, northerly 1.69 km on Livingston Road, westerly 4.34 km on County Line Road across railroad track, southeasterly 1.01 km on Hilda Drive to monitoring point located at southwest edge of pavement in center of field entrance trail. Distance from the transmitter is 4.92 km. The field intensity measured at this point should not exceed 13.5 mV/m.

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No.: BZ-871102AF

Call Sign: WJDX

AM BROADCAST STATION LICENSE

# 59817

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

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JUNE 1, 1989

in accordance with the following:

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2. Main Studio location: (Listed only if not at transmitter site or not within boundaries of principal community)
3. Remote control location: Beasley Road & Watkins Drive, Jackson, MS
4. Transmitter location: Beasley Road Jackson, MS  
North latitude: 32° 22' 56"  
West longitude: 90° 11' 26"
5. Transmitter(s): Type Accepted. (See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.)
6. Antenna and ground system: See Page 2.
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1.0 Night
- Antenna input power (kW): 5.0 Day  
1.08 Night
- ☒ Non-directional antenna: current 14.43 amperes; resistance 24 ohms.  
☐ Directional antenna : current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.
- ☐ Non-directional antenna: current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.  
☒ Directional antenna : current 4.64 amperes; resistance 50 ohms.
10. Hours of operation: Specified in construction permit (PP) BZ-860603AE.
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.

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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 2 & 3

Dated: APR 01 1989 DB/ajs

FEDERAL  
COMMUNICATIONS  
COMMISSION



APR 0 - 1989

DA- N

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	Tower	$\frac{S(\#1)}{0^\circ}$	$\frac{C(\#2)}{-191^\circ}$	$\frac{N(\#3)}{-110^\circ}$
Phasing:				
Field Ratio:		1.0	0.60	0.88

## 3. OPERATING SPECIFICATIONS

Phase Indication*:	0°	153°	-119°
Antenna Base Current Ratio:	1.00	0.72	1.01
Antenna Monitor Sample Current Ratio:	1.00	0.56	0.93

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ANTENNA SAMPLING SYSTEM APPROVED UNDER SECTION 73.68(b) OF THE RULES.

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