

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BR-1952

Call Sign: W J D X

STANDARD BROADCAST STATION LICENSE
MAIN AND AUXILIARY TRANSMITTERS

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, the LICENSEE

WJDX, INC.

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 JUNE 1, 1979

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

1. On a frequency of 620 kHz.
2. With nominal power of 1 kilo watts nighttime and 5 kilo watts daytime,
with antenna input power of 1.08 kilowatts --- directional
antenna nighttime
and antenna input power of 5 kilowatts non directional
antenna daytime
Common Point current 4.58 amperes
Common Point resistance 51.5 ohms,
Antenna current 15.6 amperes
Antenna resistance 20.5 ohms

4. Hours of operation: Unlimited Time.

Average hours of sunrise and sunset:

Jan. 7:00 am to 5:30 pm; Feb. 6:45 am to 6:00 pm; AUXILIARY: 1 kw Night & Day
Mar. 6:15 am to 6:15 pm; Apr. 5:30 am to 6:30 pm; Antenna Current 6.98 amps Day
May 5:00 am to 7:00 pm; June 5:00 am to 7:15 pm; Antenna Input Power 1 kw Day
July 5:00 am to 7:15 pm; Aug. 5:30 am to 6:45 pm;
Sep. 5:45 am to 6:15 pm; Oct. 6:00 am to 5:30 pm;
Nov. 6:30 am to 5:15 pm; Dec. 7:00 am to 5:00 pm;
Central Standard Time (Non-Advanced).

4. With the station located at: Jackson, Mississippi
5. With the main studio located at: Beasley Road & Watkins Drive, Jackson, Mississippi
6. Remote control point: Beasley Road & Watkins Drive, Jackson, Mississippi

7. Transmitter location: North Latitude: 32° 22' 56"
Beasley Road West Longitude: 90° 11' 26"
Jackson, Mississippi

8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: 1, 3, 12 & 21.

9. Transmitter(s): RCA, BTA-5H (Main Day-Aux. Night) GATES, BC-1T (Main Night-Aux. Day)

10. Conditions: Section 73.114(A)(8) of the Rules and any requirement for weekly monitoring point readings are WAIVED during proper operation of approved sampling system: Provided, monitoring points readings are made at least once every thirty days.

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.

1/ This license consists of this page and pages 2 & 3.

Dated: JULY 27, 1976

FEDERAL
COMMUNICATIONS
COMMISSION



1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA-N

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.

Height above Insulators: 300' (68°)

Overall Height: 306'

Spacing and Orientation: 617' (140°) between adjacent towers on a line bearing N 23° true.

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

Ground System consists of 120 equally spaced, buried, copper radials each 400' in length plus 120 equally spaced, buried copper wire radials each 40' in length. Bonding straps between tower bases and between overlapping radials.

2. THEORETICAL SPECIFICATIONS

	Towers	S(#1)	C(#2)	N(#3)
Phasing:		0°	-191°	-110°
Field Ratio:		1.0	0.60	0.88

3. OPERATING SPECIFICATIONS

Phase Indication*:		0°	153°	-119°
Antenna Base Current Ratio:		1.0	0.59	0.88
Antenna Monitor Sample Current Ratio:		1.0	0.56	0.93

*As indicated by Potomac Instruments AM-19(204) antenna monitor. If remote control authority for directional operation is not authorized, or if authorized, but is not being used, the base currents, their ratios, and the deviation of these ratios, in percent, from the licensed values shall be entered in the maintenance log at least once every seven days with no less than five days elapsing between secessive observations.

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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 23° true North. From the station driveway proceed west 0.6 mile on Beasley Road, northerly 1.05 mile on Livingston Road, east 1.26 mile on County Line Road to monitoring point located 100 feet north of pavement and 25 feet southwest of large pecan tree. Distance from the transmitter 1.38 mile. The field intensity measured at this point should not exceed 36.0 mv/m.

Direction of 43° true North. From the 23° monitoring point proceed east 0.62 mile on County Line Road to monitoring point located 25 feet south of pavement in center of sub-division road. Distance from the transmitter is 1.70 mile. The field intensity measured at this point should not exceed 29.0 mv/m.

Direction of 88° true North. From the 43° monitoring point proceed easterly 1.24 mile to State Street, southwesterly 1.37 mile to Briarwood, easterly 1.13 mile to Ridgewood Road, north 0.27 mile to Adkins Boulevard, and east 0.93 mile to monitoring point located 50 feet south of gate into golf course, at south edge of tee. Distance from the transmitter is 3.79 miles. The field intensity measured at this point should not exceed 47.5 mv/m.

Direction of 285° true North. From the station driveway proceed west 0.6 mile on Beasley Road, northerly 1.05 mile on Livingston Road, westerly 2.70 mile on County Line Road across railroad track, southeasterly 0.63 mile on Hilda Drive to monitoring point located at southwest edge of pavement in center of field entrance trail. Distance from the transmitter is 3.06 miles. The field intensity measured at this point should not exceed 13.5 mv/m.