

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION  
AM BROADCAST STATION LICENSE

File No. : BL-890926AD  
FAC ID : 16897  
Call Sign : WYOK  
W5OX

LICENSEE:

WSPZ

Dick Broadcasting Company Inc. of Alabama

- Community of License .....: Birmingham, Alabama
- Transmitter location .....: 561 Bessemer Highway  
Midfield, Alabama
- Transmitter(s): Type Accepted. (See Sections 73.1660, 73.1665 and 73.1670 of the Commission's rules)
- Main Studio location: (See Section 73.1125)  
236 Goodwin Crest Drive  
Jefferson County  
Homewood Alabama
- Remote control location:  
(Same)
- Antenna and ground system: Attached

North latitude .....: 33° 27 ' 02 "  
West longitude .....: 86° 55 ' 20 "

- Obstruction marking and lighting specifications - FCC Form 715, paragraphs: 1, 3, 4, 13, 21 for tower #1 and #1, 3, 11, 21, 22 for tower #2.
- Frequency .....: 690 KHz

- Nominal power (kW) .....: 50.0 Day 0.5 Night
- Antenna input power (kW):
- |            |  |                |          |
|------------|--|----------------|----------|
| 50.0 Day   | <input checked="" type="checkbox"/> Non-directional antenna: | 35.36 amperes; | 40 ohms. |
|            | <input type="checkbox"/> Directional antenna :               | current        |          |
| 0.54 Night | <input type="checkbox"/> Non-directional antenna:            | 3.29 amperes;  | 50 ohms. |
|            | <input checked="" type="checkbox"/> Directional antenna :    | current        |          |

10. Hours of operation: Specified in BP-860917AC

11. Conditions .....: Attached

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 AM, Local Time April 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 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.

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 use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934, as amended.



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DA-N

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM  
No. and Type of Elements: Two (2), series excited, uniform cross section guyed towers. Theoretical RMS: 224.66 mV/m at 1 km, Night. Standard RMS: 236.14 mV/m at 1 km, night. Q = 10.

Height above Insulators: #1: 165 m (136.25°) #2: 82 m (68.2°)

Overall Height: #1: 166 m, #2: 83 m

Spacing and Orientation: With tower # 1 as reference tower #2 is 60° away at a bearing of 310°.

Non-Directional Antenna: 337.96 mV/m/km day.

Ground System consists of 120 equally spaced, buried, copper radials about the base of each tower 365' to 500 feet in length about tower #1 and upto 356' about tower #2 except where terminated by property boundaries or where intersecting radials are shortened and bonded plus a 24' x 24' ground screen surrounding tower #2.

2. THEORETICAL SPECIFICATIONS

Tower #1 #2

Phasing: Night 0° 150°

Field Ratio:

Night 1.0 1.0

3. OPERATING SPECIFICATIONS

Phase Indication\*: Night -150° 0°

Antenna Base Current

Ratio

Night 0.905 1.0

Antenna Monitor Sample

Current Ratio:

Night 0.308 1.0

\* As indicated by Potomac Instruments AM-19D (210) Antenna Monitor

Antenna sampling system approved under section 73.68(b) rules.

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DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS

Direction of 10 degree True North. From the WVOK entrance road proceed northerly on Bessemer Highway 1.7 kilometers to Weber Drive. Turn left onto Weber proceed northwest 2.1 kilometers to Valley Road. Turn right onto Valley Road and proceed northeast 1.45 kilometers to Gary Avenue. Turn left onto Gary Avenue and proceed north 0.2 kilometers to to 49th avenue. Turn right onto 49th Avenue and proceed east 0.15 kilometers to the point. The point is located on the north shoulder of the road 12 meters east of the intersection with Debardeleben Avenue, at the storm drain. Distance from the transmitter 4.40 kilometers. The field intensity measured at this point should not exceed 1.8 mV/m nighttime.

Direction of 250 degree True North. From the WVOK entrance road proceed northerly on Bessemer Highway 1.7 kilometers to Weber Drive. Turn left onto Weber and proceed northwest 2.1 kilometers to Valley Road. Turn left onto Valley Road and proceed southwest 3.1 kilometers to Jaybird Road. Turn left onto Jaybird Road and proceed south 1.9 kilometers to the point. The point is located on the east shoulder of the road at the north edge of the driveway to M-B steel Company. Distance from the transmitter 3.05 kilometers. The field intensity measured at this point should not exceed 3.1 mV/m nighttime.

Direction of 310 degree True North. From the WVOK entrance road proceed northerly on Bessemer Highway 1.7 kilometers to Weber Drive. Turn left onto Weber and proceed northwest 2.1 kilometers to Valley Road. Turn left onto Valley Road and proceed southwest 3.35 kilometers to Tin Mill Road. Turn right onto Tin Mill Road and proceed north 1.8 kilometers to Lewis Street. Turn left onto Lewis Street and proceed west 0.32 kilometer to the point. The point is located on the north shoulder of the road at the driveway entrance to the park. Distance from the transmitter 4.05 kilometers. The field intensity measured at this point should not exceed 29.7 mV/m nighttime.