

Federal Communications Commission

AM BROADCAST STATION CONSTRUCTION PERMIT

Licensee/Permittee

W & B BROADCASTING CO.,
INC.

P.O. BOX 2087
ELIZABETHTOWN, KY, 42702

Call Sign

WAKY

Facility ID

30798

File Number 0000220966	This Permit Modifies License File No. BL-19870529AF	
Filing Date 09/13/2023	Grant Date 01/30/2024	Expiration Date 36 months after the grant date

Community of License City: Louisville State: KY	Frequency (KHz) 620	Station Class B	Service Type Main
Facility Type Commercial			
Hours of Operation Daytime Nighttime			
Station Antenna Modes/Antenna Types Daytime: Directional Nighttime: Directional			

Average Hours of Sunrise and Sunset

Local Standard Time (Non-Advanced)

Month	Sunrise	Sunset
January	8:00	17:45
February	7:30	18:15
March	7:00	18:45
April	6:15	19:15
May	5:30	19:45
June	5:15	20:15
July	5:30	20:00
August	6:00	19:45
September	6:30	18:45
October	6:45	18:00
November	7:30	17:30
December	7:45	17:30

Transmitter

Type Accepted. See Sections 73.1660, 73.1665, and 73.1670 of the Commission's Rules

Antenna Mode: Daytime

Antenna Type: Directional

Antenna Coordinates (NAD 83) Latitude 38° 18' 59.9" N Longitude 85° 42' 02.6" W		Nominal Power (kW) .350				
Antenna Structure Registration Number(s)						
Tower No.	ASRN	Overall Height (m)				
1	1053262	70.1				
2	1053260	93.0				
Description of Daytime Directional Antenna System						
Theoretical RMS (mV/m/km)	Standard RMS (mV/m/km)	Augmented RMS (mV/m/km)	Q Factor			
173.5	182.6		10			
Theoretical Parameters						
Tower No.	Field Ratio	Phasing (deg.)	Spacing (deg.)	Orientation (deg.)	Tower Ref. Switch*	Height (deg.)
1	1	0	0	0	0	50.1
2	.9	-118	74.3	247.3	0	68.0
* Tower Reference Switch 0 = Spacing and orientation from reference tower 1 = Spacing and orientation from previous tower						
Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)						
Tower No.	Tower Type	A	B	C	D	
1	Neither					
2	Neither					
Inverse Distance Field Strength The inverse distance field strength at a distance of one kilometer from the above antenna in the directions specified shall not exceed the following values:						
Azimuth (deg.)	Radiation (mV/m/km)					
34	17.2					
100.5	17.2					

Antenna Mode: Nighttime

Antenna Type: Directional

Antenna Coordinates (NAD 83) Latitude 38° 18' 59.9" N Longitude 85° 42' 02.6" W		Nominal Power (kW) .300				
Antenna Structure Registration Number(s)						
Tower No.	ASRN	Overall Height (m)				
1	1053262	70.1				
2	1053260	93.0				
Description of Nighttime Directional Antenna System						
Theoretical RMS (mV/m/km)	Standard RMS (mV/m/km)	Augmented RMS (mV/m/km)	Q Factor			
161.6	170.0		10.00			
Theoretical Parameters						
Tower No.	Field Ratio	Phasing (deg.)	Spacing (deg.)	Orientation (deg.)	Tower Ref. Switch*	Height (deg.)
1	1	0	0	0	0	50.1
2	0.85	-177	74.3	247.3	0	68.0
* Tower Reference Switch 0 = Spacing and orientation from reference tower 1 = Spacing and orientation from previous tower						
Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)						
Tower No.	Tower Type	A	B	C	D	
1	Neither					
2	Neither					
Inverse Distance Field Strength The inverse distance field strength at a distance of one kilometer from the above antenna in the directions specified shall not exceed the following values:						
Azimuth (deg.)	Radiation (mV/m/km)					
155	31.9					
340	31.9					

Special operating conditions or restrictions

The permittee /licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

- Permittee shall install a type accepted transmitter, or submit application (FCC Form 301) along with data prescribed in Section 73.1660(b) should non-type accepted transmitter be proposed.
- The permittee must submit a proof of performance as set forth in either Section 73.151(a) or 73.151(c) of the rules before program tests are authorized. A proof of performance based on field strength measurements, per Section 73.151(a), shall include a complete nondirectional proof of performance, in addition to a complete proof on the day and night directional antenna system. The nondirectional and directional field strength measurements must be made under similar environmental conditions. The proof(s) of performance submitted to the Commission must contain all of the data specified in Section 73.186 of the rules. Permittees who elect to submit a moment method proof of performance, as set forth in Section 73.151(c), must use series-fed radiators. In addition, the sampling system must be constructed as described in Section 73.151(c) (2) (i).
- The ground system will be preserved equivalent to a 90 system at 620 kHz.

Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules.

Pursuant to Section 73.3598, this Construction Permit will be subject to automatic forfeiture unless construction is complete and application for license is filed prior to expiration.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.