

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No.: **BL-13,279**  
**BR-2023**

STANDARD BROADCAST STATION LICENSE

Call Sign: **W L B R**  
**Fac ID: 36874**

**RENEWAL AND MODIFICATION**

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, <sup>1/</sup> the LICENSEE

**LEBANON BROADCASTING COMPANY**

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: **AUGUST 1, 1975**

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

1. On a frequency of **1270** kHz.
2. With nominal power of **1 kilo** watts nighttime and **5 kilo** watts daytime  
With antenna input power of **1.08 kilo** watts directional antenna nighttime  
and antenna input power of **5.4 kilo** watts directional antenna daytime  

<b>Common Point</b>	current, <b>4.47</b> amperes
<b>Common Point</b>	resistance, <b>54</b> ohms
<b>Common Point</b>	current, <b>54</b> amperes
<b>Common Point</b>	resistance, <b>10.0</b> ohms
<b>Common Point</b>	<b>54</b>
3. During the following period or periods of time: **Unlimited time.**

**Average hours of sunrise and sunset:**

Jan. 7:30am to 5:00pm; Feb. 7:00am to 5:45pm;  
Mar. 6:15am to 6:15pm; Apr. 5:30am to 6:45pm;  
May 4:45am to 7:15pm; June 4:30am to 7:45pm;  
July 4:45am to 7:30pm; Aug. 5:15am to 7:00pm;  
Sep. 5:45am to 6:15pm; Oct. 6:15am to 5:30pm;  
Nov. 7:00am to 4:45pm; Dec. 7:30am to 4:45pm;

**Eastern Standard Time (Non-Advanced)**

4. With the station located at: **Lebanon, Pennsylvania**
5. With the main studio located at: **Behind Ebenezer Fire Co., Rt. 72N., Lebanon, Pennsylvania**

6. The apparatus herein authorized to be used and operated is located at: North Latitude: **40° 21' 35"**  
**Behind Ebenezer Fire Co., Rt. 72 N., Lebanon, Pennsylvania** West Longitude: **76° 27' 30"**  
**RCA BTA-5T**

(or other transmitter currently listed in the Commission's "Radio Equipment List, Part B, Aural Broadcast Equipment" for the power herein authorized).

Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: **1, 3, 11 and 21.**

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.

<sup>1/</sup> This license consists of this page and pages **2, 3 & 4**

FEDERAL COMMUNICATIONS COMMISSION



Dated: **OCTOBER 19, 1972**

**Bon T. Waples**  
Secretary

File No. **BR-2023**  
**BL-13279**

Call Sign **WLBR**

Date **10-19-72**

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA-2

No. and Type of Elements: **Four, guyed, series excited, vertical radiators of uniform cross-section. An FM antenna is mounted at the top of the N(#2) tower.**

Height above Insulators: **SW(#1), C(#3) & SE(#4) towers - 220 feet (102°)**  
Overall Height: **N(#2) tower - 223 feet (104°)**  
**SW(#1), C(#3) & SE(#4) towers - 222 feet**  
Spacing and Orientation: **N(#2) tower - 225 feet.**  
**SW(#1) and N(#2) towers spaced 258.2 feet (120°) on a line bearing 351° true. N(#2), C(#3) and SE(#4) towers spaced 215 feet (100°) on a line bearing 310° true.**

Non-Directional Antenna:

Ground System consists of **buried copper radials equally spaced every three degrees, 220 feet long about SW(#1) and N(#2) towers, 195 feet long about the SE(#4) and on the east side of the C(#3) tower except where radials are terminated and bonded to transverse copper straps or limited by property boundary. 48' x 48' ground screen at the base of each tower.**

2. THEORETICAL SPECIFICATIONS

	Tower	SW(#1)	N(#2)	C(#3)	SE(#4)
Phasing:	Night	0°	120°	---	---
	Day	-12.3°	-105.6°	24.3°	139.8°
Field Ratio:	Night	1.00	1.25	---	---
	Day	1.725	4.037	0.824	0.768

3. OPERATING SPECIFICATIONS

Phase Indication:*	Night	134°	0°	---	---
	Day	-60°	0°	39°	19.5°
Antenna Base Current Ratio:	Night	0.777	1.000	---	---
	Day	0.577	1.000	0.303	0.282
Phase Monitor Sample Current Ratio:	Night	0.924	1.000	---	---
	Day	0.686	1.000	0.388	0.342

\*As indicated by **Nems-Clarke 108-E** phase monitor.

Phase indications and antenna base currents shall be read and entered in the operating log at least once each hour.

**Phase monitor sample currents** may be read and logged in lieu of base currents provided base currents are read and logged at least once **daily for each pattern.**

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 seven days and an appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of  $51^{\circ}$  true North. From the transmitter proceed south along Rt. 72 a distance of 0.32 mile to an intersection with a paved road to the east. Turn left (east) and proceed 1.72 miles to the intersection with the Sand Hill Road. Turn left (north) on Sand Hill Rd. and proceed 0.42 mile to fork in road. Bear right at the fork and proceed 0.73 mile to the monitoring point. The point is located on the right of way midway between the north edge of the paving and the mark on the bank to the north. Distance from the array is 2.10 miles. The field intensity measured at this point should not exceed 14.5 mv/m Night.

Direction of  $351^{\circ}$  true North. From the transmitter proceed north on Rt. 72 for 4.7 miles to U.S. Rt. 22. Turn right (east) on Rt. 22 and proceed 1.22 miles to small paved cross road. Turn left (north) on small road and proceed 0.39 mile to the monitoring point. The point is located at the center of the road opposite a marked tree to the north of the road. Distance from the array is 4.32 miles. The field intensity measured at this point should not exceed 11.4 mv/m Night.

Direction of  $30^{\circ}$  true North. From the transmitter turn left (south) on Rt. 72 and proceed 0.18 mile to Lion's Lake Rd. Turn left (east) on Lion's Lake Rd. and proceed 1.9 miles to "T" intersection. Turn right (SE) and proceed 0.45 mile to intersection. Turn sharp left (north) on road and proceed 0.4 mile to fork in road. At fork bear right (NE) for 0.3 mile to "T" intersection. At "T" turn left (N) and proceed 0.1 mile to fork in road. At fork bear right (NE) and proceed 0.1 mile to the monitoring point. The point is located at the center of the road opposite a marked post to the northwest. Distance from the array is 2.72 miles. The field intensity measured at this point should not exceed 185 mv/m Day.

Direction of  $51^{\circ}$  true North. From the  $30^{\circ}$  monitoring point turn around and proceed back 0.1 mile to fork in road. Turn left (S) at fork and go 1.2 miles to "T" intersection. Turn left (NE) and proceed 0.19 mile to the monitoring point. The point is located on the right of way midway between the north edge of the paving and the mark on the bank to the north. Distance from the array is 2.10 miles. The field intensity measured at this point should not exceed 169 mv/m Day.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS: (Continued)

Direction of  $130^{\circ}$  true North. From the  $171^{\circ}$  monitoring point proceed easterly along Rocherty Rd. 1.7 miles to Cornwall Rd. Turn left (N) on Cornwall Rd. Proceed 0.25 mile to a paved road on the right (east). Turn right (east) and proceed 0.75 mile to Lincoln Ave. Turn left (north) on Lincoln Ave. and proceed 0.38 mile to the entrance to the U.S. Veterans Hospital. Turn right (east) into the hospital grounds and proceed 0.95 mile to the north end of the group of buildings. At that point turn left on a small road leading to the north 0.1 mile to the point. The point is located at the center of the intersection of road fork. Distance from array is 4.01 miles. The field intensity measured at this point should not exceed 34 mv/m Day.

Direction of  $171^{\circ}$  true North. From the  $220^{\circ}$  monitoring point continue southeasterly on Spruce St. until it intersects with a paved road. Turn left (east) on the paved road and continue 1.05 miles to Oak St. Extended. At Oak St. jog about 100 ft. to the right (SW) then turn left. Proceed 0.12 mile to a road to the left (W). Turn left and proceed 1.35 miles to Rt. 241. Turn right (S) on Rt. 241 and proceed 0.35 mile to Rocherty Rd. Turn left (E) on Rocherty Rd. and proceed 0.1 mile to Rocherty Church. Turn left (W) into churchyard and proceed to point. The point is located in line with the churchyard entrance and is opposite the northernmost sycamore tree in the tree line to east. Distance from array is 3.97 miles. The field intensity measured at this point should not exceed 51 mv/m Day.

Direction of  $220^{\circ}$  true North. From the transmitter proceed south on Rt. 72 0.5 mile to fork in the road. At fork bear right off Rt. 72, 0.15 mile to Tunnel Hill Rd. Turn right (west) on Tunnel Hill Rd. and follow this road 1.94 miles to intersection with Rt. 422. Turn left (W) on Rt. 422 and proceed 1.35 miles to Spruce St. Turn left (south) on Spruce St. and proceed 0.71 mile to the point. The point is at the center of the road opposite a marked tree to the west. Distance from array is 3.20 miles. The field intensity measured at this point should not exceed 35.1 mv/m Day.