

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No.: BL-830705AH

Call Sign: KTBB

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, the LICENSEE

Broadcasters Unlimited, 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 August 1, 1990 in accordance with the following:

1. Station location: Tyler, Texas

2. Main Studio location:  
(Listed only if not at transmitter site or not within boundaries of principal community)

3. Remote control location: 3810 Brookside  
Tyler, Texas

4. Transmitter location: 3 mi. South of Bascom on  
Bascom Road  
Tyler, Texas

North latitude : 32 ° 16 ' 18 "  
West longitude: 95 ° 12 ' 23 "

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 attached

7. Obstruction marking and lighting specifications — FCC Form 715, paragraphs: 1,3,12,21 for towers 1,2,3, 4.  
Antenna obstruction markings not required for tower 5.

8. Frequency (kHz.): 600

9. Nominal power (kW): 5.0 Day  
2.5 Night

Antenna input power (kW): 5.4 Day

Non-directional antenna: current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.  
 Directional antenna : current 10.4 amperes; resistance 50.0 ohms.

2.7 Night

Non-directional antenna: current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.  
 Directional antenna : current 7.4 amperes; resistance 50.0 ohms.

10. Hours of operation: Specified in construction permit (BP-830613AG & BP-800911AG)

11. Conditions:

9/15/86 This supersedes authorization as of same date to correct tower markings.

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.



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Date:

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**1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

**No. and Type of Elements:** Five, guyed, series-excited, steel radiators of uniform cross section. Theoretical RMS: 419.26 mV/m, day; 276.7 mV/m night. Standards RMS: 440.45 mV/m day; 290.6 mV/m night.

**Height above Insulators:** 346' (75.98°)

**Overall Height:** 349'

**Spacing and Orientation:** With tower #1 as reference; Tower #2 is spaced 232° on a line bearing 215°T, Tower #3 is spaced 255° on a line bearing 188°T, Tower #4 is spaced 137° on a line bearing 134°T and tower #5 is spaced 90° on a line bearing 85°T in respect to tower #2. Tower #2 is common day & night

**Non-Directional Antenna:**

**Ground System consists of** 120 - 400' Copper radials at base of each element. Radials are shortened and banded to copper strap midway between elements.

**2. THEORETICAL SPECIFICATIONS**

TOWER		#1(N)	#2(SW)	#3(S)	#4(SE)	#5(SC)
Phasing:	night:	0°	34°	190°	170°	--
	Day:	--	0°	--	--	-85°
Field Ratio:	Night:	1.0	1.0	1.05	1.0	--
	Day:	--	1.0	--	--	0.60

**3. OPERATING SPECIFICATIONS**

<b>Phase Indication*:</b>						
	N:	0°	26°	-174°	174°	-
	D:	-	0°	-	-	-85°
<b>Antenna Base</b>	N:	1.00	0.962	0.981	1.135	-
	D:	-	1.00	-	-	0.351
<b>Antenna Monitor Sample</b>						
<b>Current Ratio:</b>	N:	1.00	0.93	0.938	1.13	-
	D:	-	1.00	-	-	0.350

\* As indicated by Potomac Instruments AM- 19 (204)

EXEMPTIONS AS LISTED IN SECTION 73.68(b) OF THE RULES WILL APPLY DURING PROPER OPERATION OF APPROVED SAMPLING SYSTEM.

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 appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD STRENGTH OF MONITORING POINTS:

Direction of 85° true north. Leaving the KTBB transmitter, proceed north on Highway 848 to the Omen Road, turn right and drive 2 miles and turn right on unmarked road and drive .8 miles to monitor point. The reading is taken by mail box 1329. This is location Number 7 and lies a distance of 1.60 miles. The field intensity measured at this point should not exceed 253 mV/m daytime.

Direction of 264° true north. Leaving the 297.5° monitor point proceed 0.4 miles to a Tee, thence right 0.2 miles to Highway 110. Turn left for 1.0 miles to side road. Turn left 0.05 miles to measuring point. This is location #9 and it lies at a distance of 2.00 miles. The field intensity measured at this point should not exceed 101 mV/m. daytime, 15.14 mV/m nighttime.

Direction of 61.5° true north. Leaving the KTBB transmitter proceed north on Highway 848 to the Omen Road, turn right for 1.4 miles to Wolff Lane, then left for 1.5 miles to old Highway 64, turn right 1.7 miles to the monitor point. The reading is taken by mail box #789. The field intensity measured at this point should not exceed 2.37 mV/m, nighttime.

Direction of 171.5° true north. Leaving the KTBB transmitter road, go south on Farm Road 848 for 4.4 miles to Whitehouse, Texas. Turn left on Highway 346 bearing left at YI intersection 1.0 miles east of town. Continue on 0.4 miles from Yi to the measuring point. This is location #12 and lies at a distance of 3.16 miles. The field intensity measured at this point should not exceed 28.7 mV/m, nighttime.

Direction of 212° true north. Leaving the KTBB transmitter road, turn south on Highway 848 for 4.4 miles to Whitehouse, Texas. Turn right for 0.30 miles to Highway 110. Turn right for 1.0 miles to the measuring location. This is location #10 and lies at a distance of 2.63 miles. The field intensity measured at this point should not exceed 24.5 mV/m, nighttime.