

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No.: BZ-871125AC

Call Sign: WELI

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,<sup>1</sup> the LICENSEE

CLEAR CHANNEL COMMUNICATIONS, 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 in accordance with the following:

APRIL 1, 1991

1. Station location: New Haven, CT

2. Main Studio location:

(Listed only if not at  
transmitter site or not  
within boundaries of  
principal community)

3. Remote control location: - - -

4. Transmitter location: Radio Towers Park  
495 Benham Street  
Hamden, CT

North latitude : 41 ° 22 ' 14 "  
West longitude: 72 ° 56 ' 15 "

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.

7. Obstruction marking and lighting specifications — FCC Form 715, paragraphs: 1, 3, 11 & 21.

8. Frequency (kHz.): 960

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

Antenna input power (kW): 4.03 Day

☒ Non-directional antenna: current 10.1 amperes; resistance 39.5 ohms.  
☐ Directional antenna : current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.

5.4 Night

☐ Non-directional antenna: current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.  
☒ Directional antenna : current 10.4 amperes; resistance 50 ohms.

10. Hours of operation: Specified in ~~construction permit~~ ~~BR-801201YN~~ BR-801201YN.

11. Conditions:

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.

<sup>1</sup> This license consists of this page and pages



FEB 10 1988

Dated: FEB 8 - 1988

KR/ajs

June 1980

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Date:

DA- N, U

**1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

**No. and Type of Elements:** Two tapered, self supporting, series excited towers and two uniform cross section, guyed, series excited steel towers. Theo. RMS: 659.8 mV/m @ 1 km. Std RMS: 693.9 mV/m @ 1 km.

**Height above Insulators:** 73.8 m (85°)

**Overall Height:** 75.6 m

**Spacing and Orientation:** Towers spaced 81 m(93.3°) between adjacent elements on a line bearing 326° True.

**Non-Directional Antenna:** Tower #3 Theoretical Efficiency: 302.6 mV/m/Kw @ 1 km.

**Ground System consists of** 120 equally spaced, buried, copper radials about the base of each tower 80.8 m in length except where intersecting radials are shortened and bonded plus 120 interspersed radials 15.2 m in length about the base of each tower.

**2. THEORETICAL SPECIFICATIONS**

	S(#1)	SC(#2)	NC(#3)	NW(#4)
<b>Phasing:</b>	0°	173.5°	-30.7°	122°

<b>Field Ratio:</b>	1.0	2.75	2.9	1.57
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**3. OPERATING SPECIFICATIONS****Phase Indication\*:**

7°	-146°	0°	154°
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**Antenna Base**

<b>Current Ratio:</b>	0.269	0.977	1.00	0.562
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**Antenna Monitor Sample**

<b>Current Ratio:</b>	0.27	0.93	1.00	0.55
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\* As indicated by Potomac Instruments AM-19D(210) Antenna Monitor.

Antenna sampling system approved under section 73.63(b) rules.

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DESCRIPTION OF AND FIELD INTENSITY MEASURED AT THIS POINT:

Direction of 60 degree true North. From transmitter site turn left on Benham Street and drive east 0.9 mile to Dixwell Avenue, turn left, north on Dixwell and drive 0.2 mile to Wilbur Cross Parkway. Proceed north on Wilbur Cross Parkway to Exit 61 at Whitney Avenue. Drive north on Whitney 0.1 mile to traffic light at Worth Avenue. Turn left, west on Worth Avenue and drive 0.1 mile to entrance to Centerville Village. Follow drive into Centerville Village 0.15 mile to circle in center of village. Drive east into parking area at grate opposite Number 5. The monitoring point is on the grate. Distance from WELI 2.0 mi. The field intensity measured at this point should not exceed 16.5 mV/m.

Direction of 25 degree true North. From monitoring Point No. 2 (N 60 degree E) return to Whitney Avenue (Highway 10), drive north on Whitney 2.35 miles to traffic light. Turn left (west) on Sherman Ave., across railroad bridge 2.1 miles, to traffic light at Shepard Ave. Turn right 0.1 mi. to 681 Shepard Ave. Monitoring point is in front of house. Distance from WELI is 1.9 miles. The field intensity measured at this point should not exceed 69.3 mV/m.

Direction of 295 degree true North. From monitoring Point No. 1 (N 25 degree E) return to Whitney Avenue (Highway 10). Turn right (south) and drive 2.1 miles to Wilbur Cross Parkway. Turn right on Wilbur Cross Parkway and drive southwest through tunnel 4.7 miles to Exit 59 at Whalley Avenue. Turn left (north) on Highway 69 and drive 0.1 mile to intersection with Bank Street. Turn left (west) on Bank Street and drive 0.15 mile to intersection with Highway 63 (Amity Road). Turn right (north) on Highway 63 and drive 3.3 miles to Apple Tree Lane. Turn right (east) and drive 0.3 mile to Carrage Drive at "T" intersection. Turn left (north) on Carrage Drive and drive 0.25 mile to driveway of No. 20 at end of street. The monitoring point is at the entrance to the driveway. Distance from WELI 3.1 miles. The field intensity measured at this point should not exceed 10.6 mV/m.

Direction of 326 degree true North. From Monitoring Point No. 3 (N 295 degree E) return to Highway No. 63. Turn right (north) on Highway 63 and drive 3.25 miles to Pleasant Drive. Turn west on Pleasant Drive and drive 0.1 mile to "T" junction at rock wall. Turn right (north) and drive 0.15 mile to driveway on road bend. The monitoring point is at entrance to driveway. Distance from WELI 5.5 miles. The field intensity measured at this point should not exceed 9.6 mV/m.