FCC Form 352
June 1984

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BZ-860122AH
FAC ID: 3594
Call Sign: ~~WEEI~~ WEZE

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,[1] the LICENSEE

The Helen Broadcasting, Limited Partnership

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 April 1, 1991 in accordance with the following:

1. Station location: Boston, Massachusetts

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

3. Remote control location: Prudential Center
Boston, MA

4. Transmitter location: 4068 Mystic Valley Parkway
Medford, MA

North latitude: 42° 24' 24"
West longitude: 71° 05' 14"

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

8. Frequency (kHz.): 590

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

Antenna input power (kW): 5.4 Day

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

5.4 Night

☐ Non-directional antenna: current 0 amperes; resistance _____ ohms.
☒ Directional antenna : current 10.4 amperes; resistance 50 ohms.

10. Hours of operation: Specified in license BZ-830428AC)
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.

[1] This license consists of this page and pages 2,3 edr

Dated: MAR 16 1987

FEDERAL COMMUNICATIONS COMMISSION

MAR 16 1987

MAR 16 1987

June 1980

File NO. BZ-860122AH Call Sign: ~~WEEI~~ WEZE Date:
FAC ID: 3594
DA- 1

1. **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

No. and Type of Elements: Two uniform cross-section, guyed, series-excited vertical radiators. Thoe RMS: 646.96 mV/m/km; Std RMS: 679.71 mV/m; Aug. RMS: 689.15 mV/m/km; Q = 22.36

Height above Insulators: 350' (75.6°)

Overall Height: 364'

Spacing and Orientation: 740' (160°) line of towers bears 90° true.

Non-Directional Antenna: None used

Ground System consists of 72 radials buried 12" and extending an average length of 350' around each tower. Radials bonded to copper bus at points of intersection between towers.

2. THEORETICAL SPECIFICATIONS

	East Tower #2	West Tower #1
Phasing:	-30°	0°
Field Ratio:	1.00	0.69

3. OPERATING SPECIFICATIONS

Phase Indication*:	0°	32°
Antenna Base Current Ratio:	1.00	0.679
Antenna Monitor Sample Current Ratio:	1.00	0.70

* As indicated by Potomac AM-19(204) antenna monitor.

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

DESCRIPTION OF AND FIELD STRENGTH OF MONITORING POINTS:

Direction of 228° T North. From the WEEI transmitter proceed west on State Route 16 approximately 5.9 miles to Auburn Street. Turn right on Auburn Street and proceed west 0.35 miles to the entrance of Mt. Auburn Cemetery. Proceed south into the cemetery on Central Avenue to Popular Avenue. Turn left and proceed east to Chestnut Avenue. Turn right and follow Chestnut Avenue which changes to Swan Avenue to circle. The monitoring point is located approximately 100 feet to the left opposite the Cherry Avenue sign. The field intensity measured at this point should not exceed 52.3 mV/m.

Direction of 230° T North. From the WEEI transmitter proceed west on State Route 16 approximately 5.9 miles to Auburn Street. Turn right on Auburn Street and proceed west 0.35 miles to the entrance to Mt. Auburn Cemetery. Proceed south into the cemetery on Central Avenue to Popular Avenue. Turn left and proceed east to Chestnut Avenue. Turn right onto Chestnut Avenue and the point is located at the edge of Chestnut Avenue opposite the monument marked "3276" The field intensity measured at this point should not exceed 74.02 mV/m.

Direction of 253° T North. From the WEEI transmitter proceed west on State Route 16 approximately 4.9 miles to Cobcord Avenue. Turn right and proceed west 0.80 miles to Stewart Terrace. Turn left and proceed to end of the street. The point is located on Man Hole Cover in center of the Cul de sac. The field intensity measured at this point should not exceed 39.5 mV/m.

Direction of 276° T North. From the WEEI transmitter proceed west on State Route 16 approximately 3.4 miles to Broadway Street. Turn right and proceed on Broadway 0.65 miles to Foster Street, turn left and proceed south on Foster Street approximately 0.15 miles to East Jr. High School. The point is located on the south side of the school between the driveway and playground. The field intensity measured at this point should not exceed 40.1 mV/m.