UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BL-14,368

MODIFIED
STANDARD BROADCAST STATION LICENSE

Call Sign: W P L M

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, 1/ the LICENSEE

PLYMOUTH ROCK BROADCASTING CO., 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 **April 1, 1978**

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

1. On a frequency of 1390 kHz.
2. With nominal power of 5 kilo watts nighttime and 5 kilo watts daytime,
   with antenna input power of 5400 watts - directional antenna nighttime ..... common point current 10 amperes; common point resistance 54 ohms,
   and antenna input power of 5400 watts - directional antenna daytime ..... common point current 10 amperes; common point resistance 54 ohms
3. Hours of operation: **Unlimited:**
   Average hours of sunrise and sunset:
   Jan. 7:15am to 4:30pm; Feb. 6:45am to 5:15pm;
   Mar. 6:00am to 5:45pm; Apr. 5:00am to 6:30pm;
   May 4:30am to 7:00pm; June 4:00am to 7:15pm;
   July 4:15am to 7:15pm; Aug. 4:45am to 6:45pm;
   Sep. 5:15am to 6:00pm; Oct. 6:00am to 5:00pm;
   Nov. 6:30am to 4:15pm; Dec. 7:00am to 4:15pm;
   Eastern Standard Time (non-advanced)
4. With the station located at: **Plymouth, Massachusetts**
5. With the main studio located at: **Corner Orense St. & State Rt. 3, Plymouth, Massachusetts.**
6. Remote control point:
7. Transmitter location:
   Corner Orense St.
   & State Rt. 3
   Plymouth, Massachusetts
   North Latitude: 41° 58' 5.3"
   West Longitude: 70° 42' 5.8"
8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: 1, 3, 12 & 21.
9. Transmitter(s): **GATES BC-5P**
10. Conditions:

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.

1/ This license consists of this page and pages 2 & 3.

ojc Dated: December 16, 1977

FEDERAL COMMUNICATIONS COMMISSION

JAN 27 1978

FCC Form 353-A
April 1973

File No. BL-14,368 Call Sign: WPLM Date: 12-16-77

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM DA-2

No. and Type of Elements: Four(4), guyed, series-excited, steel radiators of uniform cross-section. Theoretical RMS: 570.6 mV/m, day; 563.6 mV/m, night. Standard RMS: 599.5 mV/m, day; 592.0 mV/m, night. FM antenna is side mounted at the top-most level of towers No. 1 and No. 2.

Height above Insulators: 373.5'(190°) all towers are of equal height.

Overall Height: Towers (1)386.14' (2)381.0' (3)384.69' (4)388.44'

Spacing and Orientation: Towers are spaced 196.6'(100°) on a line bearing 310° T.

Non-Directional Antenna: None authorized.

Ground System consists of 120 radials equally spaced about the towers base 200' in length, except at the points of intersection midway between the towers where the radials are shortened and bonded to a transverse copper strap. In addition 120 interspaced radials 60' in length will be installed at the base of each tower.

2. THEORETICAL SPECIFICATIONS

Tower	SE(1)	SEC(2)	NWC(3)	NW(4)
Phasing:				
Night	0°	120.018°	-116.281°	0.711°
Day	0°	150.120°	-66.622°	86.610°
Field Ratio:				
Night	1.0	1.775	1.330	0.404
Day	1.0	1.102	0.661	0.198

3. OPERATING SPECIFICATIONS

Phase Indication*:				
Night	-121°	0°	124°	106°
Day	-150°	0°	143°	171°
Antenna Base Current Ratio:				
Night	0.750	1.00	0.438	0.125
Day	1.018	1.00	0.345	0.097
Antenna Monitor Sample Current Ratio:				
Night	0.55	1.00	0.75	0.245
Day	0.91	1.00	0.60	0.185

*As indicated by Potomac Instruments AM-19(204) antenna monitor. "Section 73.114(A)(8) of the rules and any requirement for weekly monitoring point readings are waived during proper operation of approved sampling system: Provided, monitoring point readings are made at least once every thirty days."

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.

DECRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 32° true North. Proceed from the station parking lot down the hill to Cherry Street. Cross under the expressway and turn onto Rt. 3 northbound and proceed north on Rt. 3 for 3.75 miles to the RT. 3A exit. Take the Rt. 3A exit northbound for 4.5 miles to Cox's corner. At this point bear right onto Rt. 139 and proceed 2.1 miles on Careswell Street. (Rt.139) to Canal Street. Bear right onto Canal Street and proceed 2 miles to the end of pavement of Canal Street. Proceed .4 miles to the Powder Point Bridge. From the Powder Point Bridge proceed 6/10 miles south on Beach to the 32° monitor point. The field intensity measured at this point should not exceed 5.3 mV/m, NIGHTTIME.

Direction of 32.5° true North. Proceed from the Station parking lot down the hill to Cherry Street. Turn left onto Cherry Street under the expressway and take the on ramp northbound onto Rt. 3. Proceed northbound for 3.7 miles to the Rt. 3A exit. Proceed north on Rt. 3A for 4.5 miles to Cox's Corner. At this point bear right onto Rt. 139 and proceed 2.1 miles on Careswell Street (Rt. 139) to Canal Street and proceed 2 miles to end of pavement. At this point proceed .4 miles to the Powder Point Bridge. From the Powder Point Bridge proceed .65 miles southbound to the 032.5° monitor point. The field intensity measured at this point should not exceed 9.0 mV/m, DAYTIME.

Direction of 227.5° true North. Proceed from the station parking lot down the hill onto Cherry Street. At this point, take the Rt. 3 southbound entrance on Rt. 3 and proceed to Rt. 44 westbound. Drive Westbound on Rt. 44 for 1.7 miles onto Rt. 80. Proceed on Rt. 80 for 1.55 miles to the corner of Rt. 80 and Parting Ways Road. On the right side of the road at corner inland 75 feet is the 227.5° monitor point. The field intensity measured at this point should not exceed 4.8 mV/m, DAYTIME.

Direction of 239° true North. Proceed from the station parking lot down the hill to Cherry Street. At this point take the southbound entrance onto Rt. 3 and proceed to the next exit which is Rt. 44. Take Rt. 44 Westbound for 1.7 miles to the junction of Rt. 80. Turn right onto Rt. 80 and proceed for 2.25 miles to the parking lot just past the Sacred Heart School on the left hand side of the road. Go into parking lot for 50 feet. This is the 239° monitor point. The field intensity measured at this point should not exceed 2.7 mV/m, NIGHTTIME.

Direction of 274.5° true North. Proceed from the station parking lot, down the hill to Cherry Street. Enter Rt. 3 Southbound and proceed to next which is Rt. 44. Proceed Westbound on Rt. 44 for 1.7 miles to Rt. 80. At this point bear right onto Rt. 80 and proceed for 4.35 miles, to the intersection of Rt. 80 and Elm Street. On the right hand side of Rt. 80 and Elm Street at the tree line is the 274.5° monitor point. The field intensity measured at this point should not exceed 0.55 mV/m, NIGHTTIME.

Direction of 310° true North. Proceed from station parking lot down the hill to Cherry Street. At Cherry Street, enter Rt. 3 Southbound. Leave next exit which is Rt. 44 Westbound. Proceed west on Rt. 44 for 1.7 miles to the intersection of Rt. 80. Bear right onto Rt. 80 and proceed 4.3 miles to the corner of Rt. 80 and Elm Street. Bear right and proceed 2.1 miles to the corner of Elm Street and Brook Street. Turn right onto Brook Street for 1/10 mile. On left hand side of Street at this point is the 310° monitor point. The field intensity measured at this point should not exceed 13.0 mV/m, DAYTIME and 1.95 mV/m, NIGHTTIME.