

AM BROADCAST STATION LICENSE

LICENSEE: Edmund Dinis

1. Community of License... : Springfield, VA
2. Transmitter location.... : Corner of Union St. & Palmer Ave.
West Springfield, MA

North Latitude..... : 42° 05' 24"
West Longitude..... : 72° 36' 11"

6. Antenna and ground system:
Attached

3. Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's rules)

4. Main Studio Location: (See Section 73.1125)
195 High St
Holyoke, MA

5. Remote control location
195 High St
Holyoke, MA

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: 1, 3, 12 & 21

8. Frequency. 1270 kHz

9. Nominal power (kW)..... 5.0 Day 1.0 Night

Antenna input power (kW) :

1.08 Day Non-directional antenna: current 4.47 amperes: resistance 54.0 ohms.
 Directional antenna :
5.4 Night Non-directional antenna: current 10.0 amperes: resistance 54.0 ohms.
 Directional antenna :

10. Hours of operation : BR-886

11. Conditions.

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 is hereby authorized to use and operate the radio transmitting apparatus herein described for the purpose of broadcasting for the term ending 3 A.M. Local Time

April 1, 1998

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.

The license is issued on the licensee's representation that the statements contained in the 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 the 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 control by the Government of the United States conferred by section 606 of the Communications Act of 1934, as amended.

JAV:kek

FEDERAL
COMMUNICATIONS
COMMISSION



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

Dated: JUL 24 1995

File No. BZ-930915AD

Call Sign WSPR (AM)

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Two, self-supporting, series-excited, vertical radiators. Theo RMS: 630.86 mV/m, day: 281.64 mV/m, night. Avg. RMS: 662.82 mV/m, day: 297.59 mV/m, night. Q: 22.361, day: 10.0, night.

Height above Insulators 65.53 m

Overall Height: 67.67m

Spacing and Orientation: 97.79 m (145°). Line of tower bears 85° true.

Non-Directional Antenna: None used.

Ground System consists of 120-24.38 m to 76.20 m buried copper radials under east tower; 120-121.92 m buried copper radials under west tower.

2. THEORETICAL SPECIFICATIONS

		<u>East tower</u>	<u>West tower</u>
Phasing:	Night	0°	0°
	Day:	0°	0°
Field Ratio:	Night:	1.0	1.0
	Day:	1.0	1.0

3. OPERATING SPECIFICATIONS

Phase Indication*:	Night:	-8°	0°
	Day:	-8°	0°
Antenna Base Current Ratio:	Night:	0.98	1.0
	Day:	0.97	1.0
Antenna Monitor Sample Current Ratio:	Night:	1.0	1.0
	Day:	1.0	1.0

* As indicated by Potomac Instruments Am-19 (204) Antenna Monitor.

Antenna sampling system approved under Section 73.68(b) rules

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 60.5° true North. Proceed from WSPR transmitter site up Union Street extended to Memorial Avenue, thence East across the Memorial Bridge. Right on Columbus Avenue to State Street. Left on State Street to Walnut Street. Thence right on Walnut Street to Cemetery Avenue-Entrance of Springfield Cemetery. Right on Cemetery Avenue approximately .2 miles to the Chaple. The monitor point is located on road between the Big Monument and Chapel. Distance from antenna 1.66 miles. The field intensity measured at this point should not exceed 45 mV/m Night; 80.6 mV/m DAY.

Direction of 275° true North. Proceed from the WSPR transmitter site up Union Street extended to Memorial Avenue, thence west to Agawam Bridge. Right up Springfield Street to O'Brien Corner. Right on Maple Street to Tower Terrace, thence right to Dead End of Tower Terrace House NO. 46. Distance from antenna 1.6 miles. The field intensity measured at this point should not exceed 52.5 mV/m Night; 110 mV/m Day.