

AM BROADCAST STATION LICENSE

LICENSEE: James Broadcasting Company, Inc.

1. Community of License. . . : Burlington, Vermont  
2. Transmitter location. . . . : Mallets Bay Ave., 0.8 m  
miles North of Shipman  
Hill, Colchester, Vermont  
North Latitude. . . . . : 44° 32' 04"  
West Longitude . . . . . : 73° 13' 15"

3. Transmitter(s): Type Accepted. See Sections 73.1660,  
73.1865 and 73.1870 of the Commission's rules  
4. Main Studio Location: (See Section 73.1125)  
Mallets Bay Ave., 0.8 miles  
North of Shipman Hill,  
Chitten County, Colchester, VT  
5. Remote control location

6. Antenna and ground system:  
Attached

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: 1, 3, 12, 21, 22.

8. Frequency. . . . . : 620 kHz

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

Antenna input power (kW) :

5.4 Day  Non-directional antenna : current 10.0 amperes: resistance 54 ohms.  
 Directional antenna : : : : : :

5.4 Night  Non-directional antenna : current 10.0 amperes: resistance 54 ohms.  
 Directional antenna : : : : : :

10. Hours of operation : Unlimited

11. Conditions. . . . . : Attached

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 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.

HKC:rao

FEDERAL  
COMMUNICATIONS  
COMMISSION



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

Dated:

FEB 25 1997

File No.: BZ-961025AB

Call Sign: WVMT

1. **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

**No. and Type of Elements:** Three uniform cross-section, guyed, steel vertical series fed towers. Day RMS: 655 mV/m (Theoretical), 707.5 mV/m (Standard) Night RMS: 655 mV/m (Theoretical), 698.3 mV/m (Standard) All RMS's at one kilometers.

**Height above Insulators:** 400' (90.8°)

**Overall Height:** 411'

**Spacing and Orientation:** Towers spaced 396.6' (90°) on a line bearing 341° T.

**Non-Directional Antenna:** Not used.

**Ground System consists of 120-400'** equally spaced buried radials about the base of each tower and extending to the intersection with transverse copper strap. In addition 120-50' copper radials are interspersed with the longer radials.

2. **THEORETICAL SPECIFICATIONS**

Towers:		#1(N)	#2(C)	#3(S)
Phasing:	Night:	11.6°	180°	-11.6°
	Day:	11.6°	169.4°	-11.6°
Field Ratio:	Night:	1.000	1.950	1.000
	Day:	1.000	1.984	1.000

3. **OPERATING SPECIFICATIONS**

**Phase Indication\*:**

Night:	72°	0°	58.5°
Day:	86.7°	0°	61.6°

**Antenna Base  
Current Ratio:**

Night:	0.523	1.00	0.530
Day:	0.379	1.00	0.424

**Antenna Monitor Sample  
Current Ratio:**

Night:	0.500	1.00	0.490
Day:	0.401	1.00	0.400

\* As indicated by Potomac Instruments AM-19 (204) Antenna Monitor.  
Antenna sampling system approved under Section 73.68 (b) of the Rules.

**DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:**

**Direction of 70° True North.** From the WVMT transmitter, proceed east on access road to Mallets Bay Avenue. Turn left (North) on Mallets Bay Avenue proceeding 0.2 miles (0.32 km) to Blakeley Road. Turn left on Blakeley Road and proceed 0.7 miles (1.13 km) to intersection with State Route 127, then east (right) on Route 127 3.0 mile (4.83 km) to intersection with U.S. Routes 2 and 7. Cross intersection and proceed on State Route 2A for 0.3 mile (0.48 km) to Middle Road. Turn left (north) on Middle Road 0.3 mile (0.48 km) to the point. The monitor point is located in field 30 paces west of marked tree. This is point number 3 of the survey and is 5.39 km (3.35 miles) from the array. The field intensity measured at this point should not exceed 32.0 mV/m, Daytime and 5 mV/m, Nighttime.

**Direction of 85.5° True North.** From the N 70° E monitoring point, return to State Route 2A and proceed east (left) on Route 2A 0.6 mile (0.97 km) to Mill Pond Road. Turn right (South) on Mill Pond Road and proceed 0.5 mile (0.8 km) to a marked tree on the east side of the road and the monitoring point. The point is located on the east edge of the road at the marked tree. This is point number 4 of the survey and is 5.36 kilometers from the array. The field intensity measured at this point should not exceed 2.3 mV/m, Nighttime.

**Direction of 244° True North.** From the WVMT transmitter, proceed east on access road to Mallets Bay Avenue. Turn left (North) on Mallets Bay Avenue proceeding 0.2 miles (0.32 km) to Blakeley Road. Turn left on Blakeley Road and proceed 0.7 miles (1.13 km) to intersection with State Route 127. Proceed west on State Route 127 4.5 miles (7.24 km) to North Avenue, thence right (NW) on North Avenue 0.3 mile (0.48 km) to Simms Street, thence left (SW) on Simms 1 block to Wing Street, thence right (NW) on Wing Street to house No. 24 and the monitoring point. The point is on the east sidewalk of Wing Street directly in front of No. 24. This is point number 3 of the survey and is 3.78 kilometers from the array. The field intensity measured at this point should not exceed 39.7 mV/m, Daytime and 6.9 mV/m, Nighttime.