FCC Form 352
May 1988

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

AM BROADCAST STATION LICENSE

File No. : BL-910827AC
FAC ID : 47104
Call Sign : ~~W Q S I~~ ~~WWWB~~ WWFD

LICENSEE:

MUSICAL HEIGHTS, INC.

1. Community of License ..... : Frederick, MD

2. Transmitter location ..... : 6633 Phillip Road
Frederick, MD

North latitude ..... : 39° 24' 42"
West longitude ..... : 77° 28' 20"

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)
6633 Phillip Road
Frederick, MD

5. Remote control location:

6. Antenna and ground system: Attached

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: 1, 3, 11, 21 & 22

8. Frequency ..... : 820 kHz

9. Nominal power (kW) ..... : 4.3 Day 0.43 Night

Antenna input power (kW) :

4.3 Day ☒ Non-directional antenna: ☐ Directional antenna : current 10.5 amperes; resistance 39 ohms.

0.46 Night ☐ Non-directional antenna: ☒ Directional antenna : current 3.05 amperes; resistance 50 ohms.

10. Hours of operation: Specified in BP-900216AB

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 October 1, 1995.

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.

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 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

Dated: 1 JUN 1995

FEDERAL COMMUNICATIONS COMMISSION

JNW:yl

FCC Form 353-A
June 1980

FAC ID: 47104

File NO. BL-910827AC **Call Sign:** ~~WQSI~~ WWWB **Date:**

1. **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

No. and Type of Elements: Two (2) vertical, guyed, series-excited steel radiators of uniform cross section with a FM antenna and a communcations antenna side-mounted near the top. Theoretical RMS: 205.27 mV/m/km; Standard RMS: 215.79 mV/m/km. Q factor 10.0.

Height above Insulators: 74.7 m (73.5° + 26.5° T.L.)

Overall Height: 76.2 m

Spacing and Orientation: Towers are spaced 60' apart on a line bearing 253' True.

Non-Directional Antenna: Tower #2(SW) used daytime. Theoretical efficiency is 313.0 mV/m/km.

Ground System consists of 120 equally spaced, buried, copper radials ranging in length from 30.5 meters to 91.4 meters, plus a 14.6 meter by 14.6 meter ground screen about the base of each tower.

2. **THEORETICAL SPECIFICATIONS**

Tower	#1(NE)	#2(SW)
Phasing:	0°	122°
Field Ratio:	1.0	0.89

3. **OPERATING SPECIFICATIONS**

Phase Indication*:	0°	121°
Antenna Base Current Ratio:	1.0	0.903
Antenna Monitor Sample Current Ratio:	1.0	0.94

* **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 MEASURED AT MONTITORING POINTS:

Direction of 238° True North. From the 238° monitor point continue south on Jefferson Blvd. 0.65 miles to Skyline Drive on the left (east). Drive left (east) on Skyline Drive approximately 0.08 mile to intersection of Skyline Drive with Woodlyn Drive. The 238° Night montior point is in the center of the road at this intersection, 2.4 miles fromthe transmitter site. The field intensity measured at this point should not exceed 2.54 mV/m.

Direction of 253° True North. From the 268° monitor point proceed south on JEfferson Blvd. 0.35 mile to stop sign at Clifton Road. Continue south on Jefferson Blvd. from Clifton Road 0.15 mile to 6124 Jefferson Blvd. The 253° Night monitor point is 18 paces west in the driveway at 6124 Jefferson Blvd., 2.05 miles fromthe transmitter site. The field intensity measured at this point should not exceed 4.9 mV/m.

Direction of 268° True North. From the transmitter site proceed north on Mt. Phillip Road 0.8 mil e to US 40A. Drive left (west) on 40A 2.1 miles to top of Mountiain and turn left (south) on Maryland Avenue. Continue 0.35 miles to stop sign and drive right (S.W.) on Jefferson Blvd. 0.6 mile to 6422 Jefferson Blvd. the 268° Night monitor point is approximately 14 paces west into driveway 1.9 miles from the transmitter site. The field intensity measured at this point should not exceed 3.5 mV/m.