



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**AM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

MARSHFIELD BROADCASTING CO., INC.  
130 ENTERPRISE DRIVE  
MARSHFIELD MA 02050

Son Nguyen  
Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Grant Date: **JAN 15 2020**

This license expires 3:00 a.m.  
local time, April 01, 2022.

Facility Id: 12789

Call Sign: WMEX

License File Number: BL-20191024AAN

This license covers permit no.: BP-20180615AAH

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

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 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. 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.

Hours of Operation: Daytime with Secondary nighttime

Average hours of sunrise and sunset:  
Local Standard Time (Non-Advanced)

Jan.	7:15 AM	4:30 PM	Jul.	4:15 AM	7:15 PM
Feb.	6:45 AM	5:15 PM	Aug.	4:45 AM	6:45 PM
Mar.	6:00 AM	5:45 PM	Sep.	5:30 AM	6:00 PM
Apr.	5:00 AM	6:30 PM	Oct.	6:00 AM	5:00 PM
May	4:30 AM	7:00 PM	Nov.	6:30 AM	4:30 PM
Jun.	4:00 AM	7:15 PM	Dec.	7:00 AM	4:15 PM

Callsign: WMEX

License No.: BL-20191024AAN

Name of Licensee: MARSHFIELD BROADCASTING CO., INC.

Station Location: QUINCY, MA

Frequency (kHz): 1510

Station Class: D

Antenna Coordinates:

Day

Latitude: N 42 Deg 16 Min 25 Sec

Longitude: W 71 Deg 02 Min 30 Sec

Night

Latitude: N 42 Deg 16 Min 25 Sec

Longitude: W 71 Deg 02 Min 30 Sec

Critical

Latitude: N 42 Deg 16 Min 25 Sec

Longitude: W 71 Deg 02 Min 30 Sec

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

Nominal Power (kW): Day: 10.0 Night: 0.100 Critical: 2.0

Antenna Input Power (kW): Day: 10.0 Night: 0.100 Critical: 2.0

Antenna Mode: Day: ND Night: ND Critical: ND

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 14.14 Night: 1.41 Critical: 6.325

Resistance (ohms): Day: 50 Night: 50 Critical: 50

Non-Directional Antenna: Day

Radiator Height: 60.94 meters; 110.5 deg

Theoretical Efficiency: 319.15 mV/m/kw at 1km

Non-Directional Antenna: Night

Radiator Height: 60.94 meters; 110.5 deg

Theoretical Efficiency: 319.15 mV/m/kw at 1km

Non-Directional Antenna: Critical

Radiator Height: 60.94 meters; 110.5 deg

Theoretical Efficiency: 319.15 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1012656	

Night:

Tower No.	ASRN	Overall Height (m)
1	1012656	

Critical:

Tower No.	ASRN	Overall Height (m)
1	1012656	

Special operating conditions or restrictions:

- 1 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.
- 2 Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V/m contour as required by Section 73.88 of the Commission's rules.
- 3 Ground system consists of 120 #20 AWG copper radials 59.5 meters in length, spaced at three-degree intervals and buried to a depth of 4-6 inches. In addition, 120 radials with a length of 15 meters, are interspersed between the long radials. Intersecting radials are bonded to transverse copper straps.

\*\*\* END OF AUTHORIZATION \*\*\*