



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION CONSTRUCTION PERMIT

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

Facility Id: 12789

Call Sign: WMEX

Permit File Number: BP-20180615AAH

Grant Date:

OCT 10 2018
This permit expires 3:00 a.m.
local time, 36 months after the
grant date specified above.

This Permit Modifies Permit No.: BZ-20030924AKL

Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules.

Commission rules which became effective on February 16, 1999, have a bearing on this construction permit. See Report & Order, Streamlining of Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para. 77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998). Pursuant to these rules, this construction permit will be subject to automatic forfeiture unless construction is complete and an application for license to cover is filed prior to expiration. See Section 73.3598.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

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

Permit No.: BP-20180615AAH

Name of Permittee: 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 Mode: Day: ND Night: ND Critical: ND

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

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	

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

Special operating conditions or restrictions:

- 1 Permittee shall install a type accepted transmitter, or submit application (FCC Form 301) along with data prescribed in Section 73.1660(b) should non-type accepted transmitter be proposed.
- 2 Before program tests are authorized, sufficient data shall be submitted to show that adequate filters, traps and other equipment has been installed and adjusted to prevent interaction, intermodulation and/or generation of spurious radiation products which may be caused by common usage of the same antenna system by Stations WMEX(AM), Quincy, MA, 12789, WBIX(AM), Boston, MA, 48403, and there shall be filed with the license application copies of a firm agreement entered into by the two (2) stations involved clearly fixing the responsibility of each with regard to the installation and maintenance of such equipment. In addition, field observations shall be made to determine whether spurious emissions exist and any objectionable problems resulting therefrom shall be eliminated. Following construction, and prior to authorization of program test under this grant, Stations WMEX(AM), Quincy, MA, 12789, WBIX(AM), Boston, MA, 48403, shall each measure antenna or common point resistance and submit FCC Form 302 as application notifying the return to direct measurement of power.
- 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 50 feet, are interspersed between the long radials. Intersecting radials are bonded to transverse copper straps.

*** END OF AUTHORIZATION ***