



**United States of America**  
**FEDERAL COMMUNICATIONS COMMISSION**  
**FM BROADCAST STATION LICENSE**  
**AUXILIARY ANTENNA**

Authorizing Official:

Official Mailing Address:

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MAINE PUBLIC BROADCASTING CORPORATION  
1450 LISBON STREET  
LEWISTON ME 04240

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Arthur E. Doak  
Senior Engineer  
Audio Division  
Media Bureau

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Facility Id: 39655

Call Sign: WMEA

License File Number: BXLED-20190516AAN

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Grant Date: August 26, 2019

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

This license covers Permit No.: BXPED-20180921AAF

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.

Name of Licensee: MAINE PUBLIC BROADCASTING CORPORATION

Station Location: ME-PORTLAND

Frequency (MHz): 90.1

Channel: 211

Class: C

Hours of Operation: Unlimited -- For auxiliary purposes only

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

Transmitter output power: 8.7 kW

Antenna type: Directional

Description: Shively 6025, 4 bays, 0.915 wavelength spaced

Antenna Coordinates: North Latitude: 43 deg 25 min 00 sec

West Longitude: 70 deg 48 min 17 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	100	100
Height of radiation center above ground (Meters):	137	137
Height of radiation center above mean sea level (Meters):	329	329
Height of radiation center above average terrain (Meters):	212	212

Antenna structure registration number: 1037792

Overall height of antenna structure above ground (including obstruction lighting if any) see the registration for this antenna structure.

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 the FCC guidelines.
- 2 The licensee has demonstrated compliance with the FCC radiofrequency electromagnetic field exposure guidelines based on the use of the antenna specified herein. If the licensee makes any changes in the facilities via a modification of license application in accordance with 47 C.F.R. Section 73.1690(c), the subsequent FCC Form 302-FM, application for license, must include a revised RF field showing to demonstrate continued compliance with the FCC guidelines.

Special operating conditions or restrictions:

- 3 The relative field strength of neither the measured horizontally nor vertically polarized radiation component shall exceed at any azimuth the value indicated on the composite radiation pattern authorized by Construction Permit BXPED-20180921AAF.

A relative field strength of 1.0 on the composite radiation pattern authorized by Construction Permit BXPED-20180921AAF corresponds to the following effective radiated power:

100 kilowatts

Principal minimum and its associated field strength limit:

318 degrees True: 0.42 kilowatt

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