



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

Authorizing Official:

Official Mailing Address:

BOARD OF REGENTS, UNIVERSITY OF WISCONSIN  
SYSTEM  
1860 VAN HISE HALL  
1220 LINDEN DRIVE  
MADISON WI 53706

Arthur E. Doak  
Senior Engineer  
Audio Division  
Media Bureau

Facility Id: 79040

Call Sign: WSUM

License File Number: BMLED-20170517ABS

Grant Date: July 06, 2017

This license expires 3:00 a.m.  
local time, December 01, 2020.

This license modifies License No.: BLED-20030617ABI, granted August 7, 2003.

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.

Callsign: WSUM

License No.: BMLED-20170517ABS

Name of Licensee: BOARD OF REGENTS, UNIVERSITY OF WISCONSIN SYSTEM

Station Location: WI-MADISON

Frequency (MHz): 91.7

Channel: 219

Class: A

Hours of Operation: Unlimited

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

Transmitter output power: 3.3 kW

Antenna type: Directional

Description: ERI 1091-1CP-DA, 1 section

Antenna Coordinates: North Latitude: 42 deg 54 min 16 sec

West Longitude: 89 deg 33 min 21 sec

|  | Horizontally<br>Polarized<br>Antenna | Vertically<br>Polarized<br>Antenna |
|--|--------------------------------------|------------------------------------|
| Effective radiated power in the Horizontal Plane (kW):     | 5.5                                  | 5.5                                |
| Height of radiation center above ground (Meters):          | 117                                  | 117                                |
| Height of radiation center above mean sea level (Meters):  | 404                                  | 404                                |
| Height of radiation center above average terrain (Meters): | 103                                  | 103                                |

Antenna structure registration number: 1045235

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.

Special operating conditions or restrictions:

- 2 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 BPED-20021202AAP.

A relative field strength of 1.0 on the composite radiation pattern authorized by Construction Permit BPED-20021202AAP corresponds to the following effective radiated power:

5.5 kilowatts

Principal minima and their associated field strength limits:

110 to 140 degrees True (clockwise): 0.22 kilowatt

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