



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

Authorizing Official:

Official Mailing Address:

MISSISSIPPI AUTHORITY FOR EDUCATIONAL TELEVI  
3825 RIDGEWOOD ROAD  
JACKSON MS 39211

Kevin R. Harding  
Associate Chief  
Video Division  
Media Bureau

Facility Id: 43197

Analog TSID: 1688

Digital TSID: 1689

Call Sign: WMAH-TV

License File Number: BLEDT-20110404AGM

This license covers permit no.: BMPEDT-20100813BUX

Grant Date: June 08, 2011

This license expires 3:00 a.m.  
local time, June 01, 2013.

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: MISSISSIPPI AUTHORITY FOR EDUCATIONAL TELEVISION

Station Location: MS-BILOXI

Frequency (MHz): 482 - 488

Channel: 16

Hours of Operation: Unlimited

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

Antenna type: (directional or non-directional): Directional

Description: DIE, TFU-20JTH-R S220

Beam Tilt: 0.75 Degrees Electrical

Beam Tilt: 0.25 Degrees Mechanical @ 135 Degrees True

Major lobe directions 270  
(degrees true):

Antenna Coordinates: North Latitude: 30 deg 45 min 18 sec  
West Longitude: 88 deg 56 min 44 sec

Transmitter output power: 19.3 kW  
12.85 DBK

Maximum effective radiated power (Average): 540 kW  
27.3 DBK

Height of radiation center above ground: 458.5 Meters

Height of radiation center above mean sea level: 511.8 Meters

Height of radiation center above average terrain: 474.4 Meters

Antenna structure registration number: 1041052

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

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