

Federal Communications Commission

TELEVISION BROADCAST STATION AUXILIARY CONSTRUCTION PERMIT

Licensee/Permittee

BOARD OF TRUSTEES, MICHIGAN STATE UNIVERSITY
WKAR-AM/FM/TV
404 WILSON RD, ROOM 212
EAST LANSING, MI, 48824

Call Sign	File Number
WKAR-TV	0000059909

Facility ID: 6104**NTSC TSID:** 1494**Digital TSID:** 1495**Construction Permit.:**

0000054990

Grant Date 10/03/2018	Expiration Date 10/02/2021	
Hours of Operation Unlimited		
Station Location City EAST LANSING State MI	Frequency (MHz) 584.0 - 590.0	Station Channel 33
Facility Type Noncommercial Educational		

Antenna Structure Registration Number 1265362	
Transmitter Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.	Transmitter Output Power(kW) As required to achieve authorized ERP.
Antenna Coordinates Latitude 42-42-6.9 N Longitude 84-24-47.8 W	Antenna Type Directional
Description of Antenna Make ERI Model I230ECW-8-23	

Antenna Beam Tilt (Degrees Electrical) 1.0	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable
Major Lobe Directions 300.0 340.0	Maximum Effective Radiated Power (Average) 71 kW 18.51 DBK
Height of Radiated Center Above Ground (Meters) 147.5	Height of Radiated Center Above Mean Sea Level (Meters) 406.6
Height of Radiated Center Above Average Terrain (Meters) 139.0	Overall Height of Antenna Structure Above Ground (Meters) See the registration for this antenna structure.

Waivers/Special Conditions

- For emergency, maintenance & test purposes only.



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.

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