

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE

EXPERIMENTAL
(Nature of Service)

XD FX MO
(Class of Station)

WK2XPN
(Call Sign)

0611-EX-CN-2026
(File Number)

NAME Mississippi State University - Electrical and Computer Engineering

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 and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(j) of the Commission's Rules

Station Locations

- (1) Starkville, MS - NL 33-27-09; WL 88-47-18; MOBILE: , within 5 km, centered around NL 33-27-09; WL 88-47-18
- (2) Mississippi State (OKTIBBEHA), MS - NL 33-27-09; WL 88-47-18; MOBILE: , within 5 km, centered around NL 33-27-09; WL 88-47-18

Frequency Information

Starkville, MS - NL 33-27-09; WL 88-47-18; MOBILE: , within 5 km, centered around NL 33-27-09; WL 88-47-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2690 MHz	MO	40K0F1D 100MD7D 40M0D1D 25K0F3E	3 W (ERP)	
2500-2690 MHz	FX	250KF1D 100MD7D 40M0D1D 25K0F3E	10 W (ERP)	

This authorization effective June 29, 2026 and
will expire 3:00 A.M. EST July 01, 2028

FEDERAL
COMMUNICATIONS
COMMISSION



Frequency Information

Starkville, MS - NL 33-27-09; WL 88-47-18; MOBILE: , within 5 km, centered around NL 33-27-09; WL 88-47-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3300-3550 MHz	FX	40M0F1D 100MD7D 40M0D1D 25K0F3E	10 W (ERP)	
3300-3550 MHz	MO	40M0F1D 100MD7D 40M0D1D 25K0F3E	3 W (ERP)	

Mississippi State (OKTIBBEHA), MS - NL 33-27-09; WL 88-47-18; MOBILE: , within 5 km, centered around NL 33-27-09; WL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	FX	26M0F3E	10 W (ERP)	
902-928 MHz	MO	26M0F3E	3 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (4) Operation requires consent of affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (5) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at <http://sbe.org/resources/frequency-coordination/> to find the appropriate coordinator.

Special Conditions:

- (6) Prior to commencing any operations in 902-928 MHz band, Mississippi State University - Electrical and Computer Engineering must obtain consent from the Location & Monitoring Service licensees (902-928 MHz) within 50 miles of the contours of the testing area.