

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

EXPERIMENTAL

(Nature of Service)

WK2XPN

(Call Sign)

XD FX MO

(Class of Station)

0923-EX-CN-2019

(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

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	FX	250KF1D 40M0D7D 40M0D1D 25K0F3E	10 W (ERP)	
2500-2690 MHz	MO	40K0F1D 40M0D7D 40M0D1D 25K0F3E	2 W (ERP)	
3550-3700 MHz	FX	40M0F1D	10 W (ERP)	

This authorization effective January 06, 2020 and
will expire 3:00 A.M. EST January 01, 2021

**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 (+/-)
3550-3700 MHz	FX	40M0D7D 40M0D1D 25K0F3E	10 W (ERP)	
3550-4200 MHz	MO	40K0F1D 40M0D7D 40M0D1D 25K0F3E	2 W (ERP)	

Special Conditions:

- (1) Operation requires consent of affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (6) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (7) Maintain operation separation from the grandfathered earth stations as defined in Part 90, Subpart Z, or coordinate an agreement with the grandfathered earth station licensees prior to operation in 3650-3700 MHz band.
- (8) Consult the ULS database to ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz band, and notify the registered users in the proposed geographic areas prior to operation in this band.