

**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)

0266-EX-CM-2020

(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	MO	40K0F1D 40M0D7D 40M0D1D 25K0F3E	3 W (ERP)	
2500-2690 MHz	FX	250KF1D 40M0D7D 40M0D1D 25K0F3E	10 W (ERP)	
3300-4200 MHz	MO	40K0F1D	3 W (ERP)	

This authorization effective March 26, 2021 and
will expire 3:00 A.M. EST January 01, 2022

**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 (+/-)
3300-4200 MHz	MO	40M0D7D 40M0D1D 25K0F3E	3 W (ERP)	
3300-4200 MHz	FX	40M0F1D 40M0D7D 40M0D1D 25K0F3E	10 W (ERP)	

Special Conditions:

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

Special Conditions:

- (9) Prior to commencing any operations in the 3.7-4.2 GHz frequency band, experimental licensee must notify licensees of C-band Fixed earth stations. The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test. Please notify the following licensees:

Fixed MS Call Sign: E201833
Licensee: Urban Radio Licenses, LLC
ATTN: Mr Kevin Wagner
Phone: 786-787-0404
E-Mail: kevinwagner@urbanradio.fm

Fixed MS Call Sign: E180864
Licensee: TeleSouth Communications, Inc.
ATTN: Mr Steve C Davenport
Phone: 601-957-1700
E-Mail: sdavenport@telesouth.com

Fixed MS Call Sign: E201857
Licensee: Dixie Cablevision Inc.
ATTN: Mr Andy Williams
Phone: 662-324-5121
E-Mail: dixiecable2000@yahoo.com

Fixed MS Call Sign: E190686, E190686
Licensee: Corporation of the Presiding Bishop of The Church of Jesus Christ of Latter-day
ATTN: Bart Eichelberger
Phone: 510-531-3200 or 801-240-1000
Counsel: Wiley Rein LLP. Phone: 2027194975

Fixed MS Call Sign: E180857
Licensee: TeleSouth Communications, Inc.
ATTN: Mr Steve C Davenport
Phone: 601-957-1700 E-Mail: sdavenport@telesouth.com

Fixed MS Call Sign: WV86, E2964
Licensee: BCI Mississippi Broadband, LLC
ATTN: Carl Shapiro
Phone: 662-720-4416 Fax: 662-236-3593 E-Mail: cshapiro@lastmile.net

Fixed MS Call Sign: E190464
Licensee: Cumulus Licensing LLC
ATTN: Mr Richard S Denning
Phone: 404-949-0700 Fax: 404-949-0740 E-Mail:
FCCLicenseManagement@cumulus.com

Fixed MS Call Sign: E200141
Licensee: WCBI-TV, LLC
ATTN: Mr Bobby Berry

Special Phone: 478-745-4141 Fax: 478-746-6967 E-Mail: bberry@morrisnetwork.com

Fixed MS Call Sign: E191179

Licensee: Cable One, Inc.

ATTN: Mr Alan H Silverman

Phone: 602-364-6000 Fax: 602-364-6013 E-Mail: Alan.Silverman@Cableone.net

Fixed MS Call Sign: E190686

Licensee: Cable One, Inc.

ATTN: Mr Alan H Silverman

Phone: 602-364-6000 Fax: 602-364-6013 E-Mail: Alan.Silverman@Cableone.net

Fixed MS Call Sign: E200789

Licensee: Cable TV Inc.

ATTN: Andy Williams

Phone: 662-324-5121 Fax: 662-324-0233 E-Mail: dixiecable2000@yahoo.com

- (10) The licensee must coordinate its operations in the 3550-3700 MHz band with one or more authorized Spectrum Access System (SAS) administrators to obtain channel assignments and avoid causing harmful interference to authorized users of the band, including General Authorized Access (GAA) users.
- (11) Operations in the 3700-4200 MHz band must be coordinated with existing Fixed Service operators and FSS earth stations in the band. A list of registered incumbent FSS earth stations in the band can be found at the following link:
<https://docs.fcc.gov/public/attachments/DA-20-823A2.xls>