

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

EXPERIMENTAL

(Nature of Service)

XT FX MO

(Class of Station)

WL2XTU

(Call Sign)

0426-EX-CN-2021

(File Number)

NAME Rice University

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) Houston (HARRIS), TX - NL 29-42-55; WL 95-23-56; MOBILE: Houston, TX, within 1 km, centered around NL 29-42-55; WL 95-23-56
- (2) Houston (HARRIS), TX - NL 29-42-58; WL 95-24-30
- (3) Houston (HARRIS), TX - NL 29-42-41; WL 95-24-06
- (4) Houston (HARRIS), TX - NL 29-43-17; WL 95-23-44

Frequency Information

Houston (HARRIS), TX - NL 29-42-55; WL 95-23-56; MOBILE: Houston, TX, within 1 km, centered around NL 29-42-55; WL 95-23-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
54-72 MHz	FX	5M00D7D	2.43 W (ERP)	
76-88 MHz	FX	5M00D7D	2.43 W (ERP)	
174-216 MHz	FX	5M00D7D	2.43 W (ERP)	

This authorization effective August 10, 2021 and
will expire 3:00 A.M. EST August 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Houston (HARRIS), TX - NL 29-42-55; WL 95-23-56; MOBILE: Houston, TX, within 1 km, centered around NL 29-42-55; WL 9

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
470-608 MHz	FX	5M00D7D	2.43 W (ERP)	
614-698 MHz	FX	5M00D7D	2.43 W (ERP)	
902-928 MHz	FX	5M00D7D	4 W (ERP)	
2400-2483.5 MHz	FX	5M00D7D	4 W (ERP)	
3550-3700 MHz	FX	5M00D7D	1 W (ERP)	
5725-5875 MHz	FX	5M00D7D	4 W (ERP)	

Houston (HARRIS), TX - NL 29-42-58; WL 95-24-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	5M00D7D	1 W (ERP)	

Frequency Information

Houston (HARRIS), TX - NL 29-42-41; WL 95-24-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	5M00D7D	1 W (ERP)	

Houston (HARRIS), TX - NL 29-43-17; WL 95-23-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	5M00D7D	1 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) 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.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) 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.
- (5) Secure consents from the Upper Microwave Flexible Use Service licensees in the proposed area prior to accessing to the frequency range from 614 MHz to 698 MHz.
- (6) Coordinate with Fixed Microwave Service licensees in each corresponding proposed venue in accordance with 47 C.F.R, Part 101.103(d) prior to commencing experimental operations.
- (7) Rice University must coordinate its operations in 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.