

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

EXPERIMENTAL

(Nature of Service)

WI2XLO

(Call Sign)

XD FX MO

(Class of Station)

0375-EX-CR-2018

(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

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)	
470-608 MHz	FX	5M00D7D	2.43 W (ERP)	

This authorization effective September 01, 2018 and
will expire 3:00 A.M. EST September 01, 2020

**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 (+/-)
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)	

Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) Maintain 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.
- (6) Ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz, and notify the registered users in the area prior to operation in 3650-3700 MHz band.
- (7) Coordinate with the local SBE frequency coordinator prior to operation in the rest of the requested frequency bands, except 902-928 MHz and 5725-5875 MHz bands.
- (8) Operation is subject to notification of the Location & Monitoring Service licensees (902-928 MHz) within 50 miles of the test area.

Special Conditions:

- (9) Operations in bands 54-72, 76-88, 174-216, 470-608, and 614-698 (all in MHz) must be in accordance with the FCC CFR 47 Part 15, Subpart H.
- (10) All of the experimental devices will be retrieved by Rice University from the participants upon completion of the operation.