

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WJ2XZZ

(Call Sign)

0073-EX-CR-2021

(File Number)

NAME AST&Science LLC

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) Midland (MIDLAND), TX - NL 31-56-30; WL 102-12-17

Frequency Information

Midland (MIDLAND), TX - NL 31-56-30; WL 102-12-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
846.5-849 MHz	FX	2M50FXD	3847 W (ERP)	1.2 %
891.5-894 MHz	FX	2M50FXD	3847 W (ERP)	1.2 %

Special Conditions:

- (1) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 50 miles of the contours of the testing area:
 - > Cellular licensees (824-849 MHz/869-894 MHz)

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) Stop Buzzer POC is Huiwen Yao
Phone: (301) 793-3416 Email: hvao@ast-science.com
- (5) This is for experimental purpose only and doesn't permit commercial service or market access.