

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

EXPERIMENTAL

(Nature of Service)

WL2XJV

(Call Sign)

XT FX MO

(Class of Station)

0977-EX-CN-2020

(File Number)

NAME Physical Science Laboratory/ New Mexico State 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) Alto (LINCOLN), NM - NL 33-27-57; WL 105-32-22; MOBILE: Sierra Blanca Airport, within 225 km, centered around NL 33-27-57; WL 105-32-22
- (2) Tempe (MARICOPA), AZ - NL 33-24-01; WL 111-45-14
- (3) Las Cruces (DONA ANA), NM - NL 32-16-45; WL 106-45-14

Frequency Information

Alto (LINCOLN), NM - NL 33-27-57; WL 105-32-22; MOBILE: Sierra Blanca Airport, within 225 km, centered around NL 33-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138.54 MHz	FX	3K30F3E	10.095 W (ERP)	0.005 %
450-470 MHz	FX	10K0F1D	434.88 W (ERP)	0.005 %
450-470 MHz	FX	10K0F1D	3.036 W (ERP)	0.016 %

This authorization effective February 12, 2021 and
will expire 3:00 A.M. EST February 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



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Special Conditions:

- (1) In lieu of frequency tolerance, 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) PSL/NMSU shall coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 450-470 MHz band.
- (4) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 316 miles of the contours of the testing area:
Paging Service licensees in 454 MHz/459 MHz
General Aviation Air-Ground Service in 454 MHz/459 MHz
- (5) Stop buzzer POC:
Shayan Abotalebi (Primary) at 505-816-8047, sabotalebi@psl.nmsu.edu
Drew Denney (Secondary) at 575-646-2088, adenney@psl.nmsu.edu
- (6) During transmission, aircraft shall not exceed the maximum altitude of 75,000 feet with reference to MSL.
- (7) PSL/NMSU must coordinate with the Area Frequency Coordinator located at White Sands Missile Range, New Mexico, prior to use in the State of New Mexico or other U.S. territory within a 240 kilometer radius of WSMR plus the area of Utah and Colorado that lies south of 41 North and between 108 and 111 West.
- (8) PSL/NMSU must notify AFC-WSMR of Operations at least 96 hrs prior to activation via email at USARMY.WSMR.IMCOM-CENTRAL.LIST.DODAF(AT)MAIL.MIL