

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

EXPERIMENTAL

(Nature of Service)

WL2XKK

(Call Sign)

XC FX MO

(Class of Station)

0128-EX-CM-2021

(File Number)

NAME Fail-Safe Solutions, 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(h) of the Commission's Rules

Station Locations

- (1) Braggs (MUSKOGEE), OK - NL 35-40-15; WL 95-10-13; MOBILE: Within confines of Camp Gruber, Braggs, OK, within 10 km, centered around NL 35-40-15; WL 95-10-13
- (2) MOBILE: Within confines of Camp Gruber, Braggs, OK, within 3 km, centered around NL 35-40-15; WL 95-10-13

Frequency Information

Braggs (MUSKOGEE), OK - NL 35-40-15; WL 95-10-13; MOBILE: Within confines of Camp Gruber, Braggs, OK, within 10 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
455.05 MHz	MO	12K5F9E	12.6 W (ERP)	0.01 %
456.65 MHz	MO	12K5F9E	12.6 W (ERP)	0.01 %
465 MHz	MO	12K5F9E	7.4 W (ERP)	0.01 %

This authorization effective July 30, 2021 and
will expire 3:00 A.M. EST June 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Braggs (MUSKOGEE), OK - NL 35-40-15; WL 95-10-13; MOBILE: Within confines of Camp Gruber, Braggs, OK, within 10 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
470 MHz	MO	12K5F9E	7.4 W (ERP)	0.01 %

MOBILE: Within confines of Camp Gruber, Braggs, OK, within 3 km, centered around NL 35-40-15; WL 95-10-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
170.05 MHz	MO	12K5F9E	30 W (ERP)	0.01 %

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) The applicant must coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in the frequency bands centered at 455.05 MHz, and 470 MHz.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by NAVAIR, contract N68335-18-G-0035. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (5) Operation is not permitted using PSHS frequencies 155 MHz and 155.8 MHz
- (6) Operation is not permitted using DOJ frequency 170.65 MHz.