

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

EXPERIMENTAL
(Nature of Service)

XC FX MO
(Class of Station)

WL2XEF
(Call Sign)

0582-EX-CN-2020
(File Number)

NAME _____ Technology Service Corporation

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) Huntsville (MADISON), AL - NL 34-44-03; WL 86-40-27; MOBILE: Huntsville, AL, within 115 km, centered around NL 34-44-03; WL 86-40-27
- (2) Lexington (ST MARYS), MD - NL 38-16-26; WL 76-26-38; MOBILE: Lexington, MD, within 115 km, centered around NL 38-16-26; WL 76-26-38

Frequency Information

Huntsville (MADISON), AL - NL 34-44-03; WL 86-40-27; MOBILE: Huntsville, AL, within 115 km, centered around NL 34-44-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.5-10.5 GHz	FX	NON	13.4 W (ERP)	1.0E-8 %
		150MQ3N		
		150MW1D		
		150MQ1D		

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

FEDERAL
COMMUNICATIONS
COMMISSION



Frequency Information

Lexington (ST MARYS), MD - NL 38-16-26; WL 76-26-38; MOBILE: Lexington, MD, within 115 km, centered around NL 38-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.5-10.5 GHz	FX	N0N 150MQ3N 150MW1D 150MQ1D	13.4 W (ERP)	1.0E-8 %

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The authorized station authorized herein must not be used for air traffic control communications.
- (4) Aircraft operations are limited to U.S.-registered aircraft.
- (5) The stop buzzers contact for this project are Josiah Mullins at 256-975-6201 and Josh Gullett at 256-503-4085.
- (6) This authorization is issued for the express purpose of conducting experimental operation described in the related application and required by NAVAIR/NAWCAD, contract number N68335-20-C-0334. The use of this radio 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.
- (7) During transmission, aircraft shall not exceed the altitude listed in the circuit remark field 10,000 ft above ground level.