

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WN9XFS

(Call Sign)

XT FX

(Class of Station)

1347-EX-ST-2018

(File Number)

NAME L3 Technologies

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

The purpose of the test is to verify successful integration of the T-REX system by sending and receiving signals on specific frequencies between the aircraft and calibration trailers.

Station Locations

(1) Waco (MCLENNAN), TX - NL 31-38-16; WL 97-04-27

Frequency Information

Waco (MCLENNAN), TX - NL 31-38-16; WL 97-04-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
489.25 MHz	FX	280KGXW	0.5 W (ERP)	
568.333 MHz	FX	3M84F9W 4M08D7W	1 W (ERP)	
687.75 MHz	FX	3M84F9W	1 W (ERP)	

This authorization effective November 01, 2018 and
will expire 3:00 A.M. EST April 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Waco (MCLENNAN), TX - NL 31-38-16; WL 97-04-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
687.75 MHz	FX	4M08D7W	1 W (ERP)	
859.25 MHz	FX	3M84F9W 280KGXW 10M0F9W 4M08D7W	1.2 W (ERP)	
923.8 MHz	FX	3M84F9W 280KGXW 10M0F9W 1M25F9W 4M08D7W	1.5 W (ERP)	
959.05 MHz	FX	3M84F9W 280KGXW 10M0F9W 1M25F9W 4M08D7W	1.5 W (ERP)	
1690.7 MHz	FX	10M0F9W	6.1 W (ERP)	
1765.25 MHz	FX	10M0F9W	6.1 W (ERP)	
1846.25 MHz	FX	3M84F9W 280KGXW 10M0F9W 1M25F9W	6.1 W (ERP)	

Frequency Information

Waco (MCLENNAN), TX - NL 31-38-16; WL 97-04-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1846.25 MHz	FX	4M08D7W	6.1 W (ERP)	
1923.25 MHz	FX	3M84F9W 280KGXW 10M0F9W 4M08D7W	6.9 W (ERP)	
1991.25 MHz	FX	3M84F9W 280KGXW 10M0F9W 4M08D7W	6.9 W (ERP)	
2036 MHz	FX	3M84F9W 280KGXW 10M0F9W 4M08D7W	6.9 W (ERP)	
2083.2 MHz	FX	3M84F9W 280KGXW 10M0F9W 4M08D7W	6.9 W (ERP)	
2133.25 MHz	FX	3M84F9W 10M0F9W 1M25F9W 4M08D7W	7.7 W (ERP)	

Frequency Information

Waco (MCLENNAN), TX - NL 31-38-16; WL 97-04-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2195.75 MHz	FX	3M84F9W 10M0F9W 1M25F9W 4M08D7W	7.7 W (ERP)	
2409.5 MHz	FX	10M0F9W	8.6 W (ERP)	
2437 MHz	FX	10M0F9W	8.6 W (ERP)	
2467 MHz	FX	10M0F9W	8.6 W (ERP)	
2490.75 MHz	FX	10M0F9W	8.6 W (ERP)	
2539.25 MHz	FX	10M0F9W 1M25F9W	8.6 W (ERP)	
2597.25 MHz	FX	10M0F9W	8.6 W (ERP)	
2659.25 MHz	FX	10M0F9W	8.6 W (ERP)	
2987.9 MHz	FX	10M0F9W	14 W (ERP)	

Special Conditions:

- (1) Operation requires consent of affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (3) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (4) 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.
- (5) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (6) 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.
- (7) Prior to commencing any operations, the licensee must obtain consent from the following within 50 miles of the contours of the testing area:
 - SMR licensees (809-824 MHz/854-869 MHz)
 - B/ILT licensees (809-824 MHz/854-869 MHz)
 - Location & Monitoring Service licensees (902-928 MHz)
- (8) L3 Technologies must not transmit on 409.15 MHz in order to avoid interfering with ongoing air traffic operations.
- (9) L3 Technologies must not transmit on 1417.85 MHz in order to avoid interfering with radio astronomy operations in the 1400 – 1427 MHz band.
- (10) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.