

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WN9XFS

(Call Sign)

0015-EX-TC-2019

(File Number)

NAME L3 Communications/Integrated Systems

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.

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 4M08D7W	1 W (ERP)	
859.25 MHz	FX	3M84F9W 280KGXW	1.2 W (ERP)	

This authorization effective April 25, 2019 and
will expire 3:00 A.M. EST April 26, 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 (+/-)
859.25 MHz	FX	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 4M08D7W	6.1 W (ERP)	
1923.25 MHz	FX	3M84F9W 280KGXW	6.9 W (ERP)	

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1923.25 MHz	FX	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)	
2195.75 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 (+/-)
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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Special Conditions:

- (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) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (6) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (7) 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.
- (8) 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)
- (9) L3 Technologies must not transmit on 409.15 MHz in order to avoid interfering with ongoing air traffic operations.
- (10) L3 Technologies must not transmit on 1417.85 MHz in order to avoid interfering with radio astronomy operations in the 1400 – 1427 MHz band.