

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WN9XED

(Call Sign)

1274-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:

To test low RF power in the mobile telephone frequency supporting an aircraft electromagnetic compatibility test.

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 (+/-)
411-420 MHz	FX	1M25F9W	6.8 W (ERP)	
452.5-457.5 MHz	FX	200KGXW 1M25F9W 1M40F9W	9.5 W (ERP)	

This authorization effective August 20, 2018 and
will expire 3:00 A.M. EST February 16, 2019

**FEDERAL
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COMMISSION**



Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
479-484 MHz	FX	1M25F9W	6.8 W (ERP)	
704-716 MHz	FX	1M40F9W	9.5 W (ERP)	
830-840 MHz	FX	200KGXW 1M25F9W 40K0F8W 300KG7W 1M40F9W	9.5 W (ERP)	
870-876 MHz	FX	200KGXW 1M25F9W 300KG7W	9.5 W (ERP)	
896-901 MHz	FX	200KGXW 1M25F9W 300KG7W 1M40F9W	9.5 W (ERP)	
1427.9-1434 MHz	FX	200KGXN 1M40F9W	9.5 W (ERP)	
1626.5-1660.5 MHz	FX	1M40F9W	9.5 W (ERP)	
1775 MHz	FX	50K0F9W 5M00F9W	9.5 W (ERP)	

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1775 MHz	FX	1M25F9W 300KG7W 1M40F9W	9.5 W (ERP)	
1920-1980 MHz	FX	5M00F9W 1M25F9W 1M40F9W	9.5 W (ERP)	
2010-2020 MHz	FX	1M40F9W	9.5 W (ERP)	
2300-2309 MHz	FX	1M40F9W 5M00W7D	9.5 W (ERP)	
3410-3600 MHz	FX	1M40F9W	3 W (ERP)	

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) Secure consents from the Advance Wireless Service licensees prior to accessing to 1775 MHz and 2010-2020 MHz band.
- (4) Coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 452.5-457.5 MHz and 479-484 MHz bands.
- (5) Operation is not permitted in 794.5-798 MHz band.

Special Conditions:

- (6) Prior to commencing any operations, the licensee must obtain consent from the following within 50 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
 - 700 MHz Lower Band licensees (698-746 MHz)
 - Cellular licensees (824-849 MHz/869-894 MHz)
 - SMR licensees (896-901 MHz/935-940 MHz)
 - B/ILT licensees (896-901 MHz/935-940 MHz)
 - 1392-1395 MHz/1432-1435 MHz Band licensees
 - Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
 - WCS (2305-2320 MHz/2345-2360 MHz) licensee (AT&T)
- (7) L3 Technologies must notch out (+/-12.5 kHz):
412.9375 MHz; 413.1125 MHz;
413.6000 MHz; 414.6625 MHz;
419.0250 MHz.
- (8) 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.
- (9) Operations of the authorized station using the 1626.5-1660.5 MHz frequency band must be in compliance with the coordination agreement between the Licensee and Ligado Networks Subsidiary LLC.
- (10) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.