

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WO9XWL

(Call Sign)

1265-EX-ST-2019

(File Number)

NAME L3Harris 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:

This aircraft test serves to demonstrate that the Boeing 747-8 modified aircraft is tolerant to select Transmitting Portable Electronic Devices (T-PEDs). The T-PED emulator for the test consists of a

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	10.1 W (ERP)	
452.5-457.5 MHz	FX	200KGXW 1M25F9W 1M40F9W	12.3 W (ERP)	

This authorization effective August 14, 2019 and
will expire 3:00 A.M. EST February 14, 2020

**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 (+/-)
479-484 MHz	FX	1M25F9W	10.1 W (ERP)	
704-716 MHz	FX	1M40F9W	12.3 W (ERP)	
830-840 MHz	FX	200KGXW 1M25F9W 40K0F8W 300KG7W 1M40F9W	12.3 W (ERP)	
870-876 MHz	FX	200KGXW 1M25F9W 300KG7W	12.3 W (ERP)	
896-901 MHz	FX	200KGXW 1M25F9W 300KG7W 1M40F9W	12.3 W (ERP)	
1427.9-1434 MHz	FX	200KGXN 1M40F9W	12.3 W (ERP)	
1626.5-1660.5 MHz	FX	1M40F9W	12.3 W (ERP)	
1775 MHz	FX	50K0F9W 5M00F9W	12.3 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	12.3 W (ERP)	
1920-1980 MHz	FX	5M00F9W 1M25F9W 1M40F9W	12.3 W (ERP)	
2010-2020 MHz	FX	1M40F9W	12.3 W (ERP)	
2300-2309 MHz	FX	1M40F9W 5M00W7D	12.3 W (ERP)	
3410-3600 MHz	FX	1M40F9W	3 W (ERP)	

Special Conditions:

- (1) 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.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 452.5-457.5 MHz, 479-484 MHz bands.

Special Conditions:

- (5) Prior to commencing any operations in the frequencies below, 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 "B" block licensees (704-710 MHz/734-740 MHz)
 - 700 MHz Lower Band "C" block licensees (710-716 MHz/740-746 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)
- (6) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (7) L3 Harris Technologies must notch out the following spot frequencies (+/- 12.5 kHz):
 - 412.9875 MHz,
 - 413.1125 MHz,
 - 413.600 MHz,
 - 414.6625 MHz,
 - 415.000 MHz,
 - 416.875 MHz,
 - 419.025 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.