

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

EXPERIMENTAL

(Nature of Service)

WJ2XEX

(Call Sign)

XC MO

(Class of Station)

0020-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.

Operation: In accordance with Sec. 5.3(c) of the Commission's Rules

Station Locations

- (1) MOBILE: 30km radius of TSTC Waco, TX, within 30 km, centered around NL 31-38-16;
WL 97-04-27

Frequency Information

MOBILE: 30km radius of TSTC Waco, TX, within 30 km, centered around NL 31-38-16; WL 97-04-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
32.95 MHz	MO	N0N 8K10F1E	30 W (ERP)	
34.95 MHz	MO	N0N 8K10F1E	30 W (ERP)	
40.025 MHz	MO	N0N 8K10F1E	30 W (ERP)	

This authorization effective April 25, 2019 and
will expire 3:00 A.M. EST January 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
42.1 MHz	MO	N0N 8K10F1E	30 W (ERP)	
51 MHz	MO	N0N 8K10F1E	30 W (ERP)	
53 MHz	MO	N0N 8K10F1E	30 W (ERP)	
58 MHz	MO	N0N 8K10F1E	30 W (ERP)	
65 MHz	MO	N0N 8K10F1E	30 W (ERP)	
81 MHz	MO	N0N 8M10F1E	30 W (ERP)	
138.05 MHz	MO	N0N 6K00A3E	30 W (ERP)	
139.8 MHz	MO	N0N 6K00A3E	30 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
142.28 MHz	MO	N0N 6K00A3E	30 W (ERP)	
142.288 MHz	MO	N0N	30 W (ERP)	
143.3 MHz	MO	N0N 6K00A3E	30 W (ERP)	
145 MHz	MO	N0N 8K10A3E	30 W (ERP)	
152.9 MHz	MO	N0N 8K10F1E	30 W (ERP)	
162.7 MHz	MO	N0N 8K10F1E	30 W (ERP)	
172.5 MHz	MO	N0N 8K10F1E	30 W (ERP)	
485 MHz	MO	N0N 8K10F1E	30 W (ERP)	
494.5 MHz	MO	N0N	30 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
494.5 MHz	MO	8K10F1E	30 W (ERP)	
674 MHz	MO	N0N 8K10F1E	30 W (ERP)	
704.1 MHz	MO	N0N 8K10F1E	30 W (ERP)	
728 MHz	MO	N0N 8K10F1E	30 W (ERP)	
740 MHz	MO	N0N 8K10F1E	30 W (ERP)	
758 MHz	MO	N0N 8K10F1E	30 W (ERP)	
776 MHz	MO	N0N 8K10F1E	30 W (ERP)	
805 MHz	MO	N0N 8K10F1E	30 W (ERP)	

Frequency Information

MOBILE: 30km radius of TSTC Waco, TX, within 30 km, centered around NL 31-38-16; WL 97-04-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902 MHz	MO	N0N	30 W (ERP)	
925 MHz	MO	N0N	30 W (ERP)	
1395 MHz	MO	N0N	30 W (ERP)	
1895 MHz	MO	N0N	30 W (ERP)	
2024 MHz	MO	N0N	30 W (ERP)	
2400 MHz	MO	N0N	30 W (ERP)	
3200 MHz	MO	N0N	30 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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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.

Special Conditions:

- (6) Coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation on 58 MHz, 65 MHz, 81 MHz, 152.9 MHz, 162.7 MHz, 172.5 MHz, 485 MHz, 494.5 MHz, and 674 MHz.
- (7) Coordinate with the Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) prior to operation on 3900 MHz and 4100 MHz.
- (8) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number FA8620-15-G-4030-004. The use of this radio station 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.
- (9) Operation is subject to consent of the following incumbent licensees within 50 miles of the test area:
 - 700 MHz licensees (698-758 MHz/775-788 MHz)
 - Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
- (10) Operation in 409.825 MHz and 608 MHz is prohibited.