

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WJ2XAA

(Call Sign)

0016-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(j) of the Commission's Rules

Station Locations

(1) Waco (MCLENNAN), TX - NL 31-37-51; WL 97-04-00

Frequency Information

Waco (MCLENNAN), TX - NL 31-37-51; WL 97-04-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2 MHz	FX	NON	400 W (ERP)	1 %
2.025 MHz	FX	NON	400 W (ERP)	1 %
2.05 MHz	FX	NON	400 W (ERP)	1 %
2.1 MHz	FX	NON	400 W (ERP)	1 %

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Waco (MCLENNAN), TX - NL 31-37-51; WL 97-04-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.125 MHz	FX	N0N	400 W (ERP)	1 %
2.15 MHz	FX	N0N	400 W (ERP)	1 %
2.175 MHz	FX	N0N	400 W (ERP)	1 %
2.225 MHz	FX	N0N	400 W (ERP)	1 %
2.25 MHz	FX	N0N	400 W (ERP)	1 %
2.275 MHz	FX	N0N	400 W (ERP)	1 %
2.325 MHz	FX	N0N	400 W (ERP)	1 %
2.35 MHz	FX	N0N	400 W (ERP)	1 %
2.4 MHz	FX	N0N	400 W (ERP)	1 %
2.425 MHz	FX	N0N	400 W (ERP)	1 %

Frequency Information

Waco (MCLENNAN), TX - NL 31-37-51; WL 97-04-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.475 MHz	FX	N0N	400 W (ERP)	1 %
2.525 MHz	FX	N0N	400 W (ERP)	1 %
2.575 MHz	FX	N0N	400 W (ERP)	1 %
2.65 MHz	FX	N0N	400 W (ERP)	1 %
2.675 MHz	FX	N0N	400 W (ERP)	1 %
2.725 MHz	FX	N0N	400 W (ERP)	1 %
2.775 MHz	FX	N0N	400 W (ERP)	1 %
2.8 MHz	FX	N0N	400 W (ERP)	1 %
3.025 MHz	FX	N0N	400 W (ERP)	1 %
3.075 MHz	FX	N0N	400 W (ERP)	1 %

Frequency Information

Waco (MCLENNAN), TX - NL 31-37-51; WL 97-04-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.125 MHz	FX	N0N	400 W (ERP)	1 %
3.15 MHz	FX	N0N	400 W (ERP)	1 %
3.2 MHz	FX	N0N	400 W (ERP)	1 %
3.25 MHz	FX	N0N	400 W (ERP)	1 %
3.3 MHz	FX	N0N	400 W (ERP)	1 %
3.35 MHz	FX	N0N	400 W (ERP)	1 %
3.55 MHz	FX	N0N	400 W (ERP)	1 %
3.625 MHz	FX	N0N	400 W (ERP)	1 %
3.675 MHz	FX	N0N	400 W (ERP)	1 %
3.725 MHz	FX	N0N	400 W (ERP)	1 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.775 MHz	FX	N0N	400 W (ERP)	1 %
3.85 MHz	FX	N0N	400 W (ERP)	1 %
3.9 MHz	FX	N0N	400 W (ERP)	1 %
3.95 MHz	FX	N0N	400 W (ERP)	1 %
3.975 MHz	FX	N0N	400 W (ERP)	1 %
4 MHz	FX	N0N	400 W (ERP)	1 %
4.075 MHz	FX	N0N	400 W (ERP)	1 %
4.125 MHz	FX	N0N	400 W (ERP)	1 %
4.2 MHz	FX	N0N	400 W (ERP)	1 %
4.25 MHz	FX	N0N	400 W (ERP)	1 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.325 MHz	FX	N0N	400 W (ERP)	1 %
4.4 MHz	FX	N0N	400 W (ERP)	1 %
4.45 MHz	FX	N0N	400 W (ERP)	1 %
4.525 MHz	FX	N0N	400 W (ERP)	1 %
4.575 MHz	FX	N0N	400 W (ERP)	1 %
4.725 MHz	FX	N0N	400 W (ERP)	1 %
4.8 MHz	FX	N0N	400 W (ERP)	1 %
4.875 MHz	FX	N0N	400 W (ERP)	1 %
4.95 MHz	FX	N0N	400 W (ERP)	1 %
5.025 MHz	FX	N0N	400 W (ERP)	1 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.06 MHz	FX	N0N	400 W (ERP)	1 %
5.1 MHz	FX	N0N	400 W (ERP)	1 %
5.135 MHz	FX	N0N	400 W (ERP)	1 %
5.175 MHz	FX	N0N	400 W (ERP)	1 %
5.225 MHz	FX	N0N	400 W (ERP)	1 %
5.25 MHz	FX	N0N	400 W (ERP)	1 %
5.285 MHz	FX	N0N	400 W (ERP)	1 %
5.325 MHz	FX	N0N	400 W (ERP)	1 %
5.36 MHz	FX	N0N	400 W (ERP)	1 %
5.4 MHz	FX	N0N	400 W (ERP)	1 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.435 MHz	FX	N0N	400 W (ERP)	1 %
5.44 MHz	FX	N0N	400 W (ERP)	1 %
5.525 MHz	FX	N0N	400 W (ERP)	1 %
5.61 MHz	FX	N0N	400 W (ERP)	1 %
5.685 MHz	FX	N0N	400 W (ERP)	1 %
5.725 MHz	FX	N0N	400 W (ERP)	1 %
5.775 MHz	FX	N0N	400 W (ERP)	1 %
5.825 MHz	FX	N0N	400 W (ERP)	1 %
5.86 MHz	FX	N0N	400 W (ERP)	1 %
5.9 MHz	FX	N0N	400 W (ERP)	1 %

Frequency Information

Waco (MCLENNAN), TX - NL 31-37-51; WL 97-04-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.225 MHz	FX	N0N	400 W (ERP)	1 %
6.275 MHz	FX	N0N	400 W (ERP)	1 %
6.325 MHz	FX	N0N	400 W (ERP)	1 %
6.375 MHz	FX	N0N	400 W (ERP)	1 %
6.45 MHz	FX	N0N	400 W (ERP)	1 %
6.5 MHz	FX	N0N	400 W (ERP)	1 %
6.6 MHz	FX	N0N	400 W (ERP)	1 %
6.7 MHz	FX	N0N	400 W (ERP)	1 %
6.75 MHz	FX	N0N	400 W (ERP)	1 %
6.8 MHz	FX	N0N	400 W (ERP)	1 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.85 MHz	FX	N0N	400 W (ERP)	1 %
6.9 MHz	FX	N0N	400 W (ERP)	1 %
6.95 MHz	FX	N0N	400 W (ERP)	1 %
7 MHz	FX	N0N	400 W (ERP)	1 %
7.05 MHz	FX	N0N	400 W (ERP)	1 %
7.09 MHz	FX	N0N	400 W (ERP)	1 %
7.13 MHz	FX	N0N	400 W (ERP)	1 %
7.175 MHz	FX	N0N	400 W (ERP)	1 %
7.215 MHz	FX	N0N	400 W (ERP)	1 %
7.255 MHz	FX	N0N	400 W (ERP)	1 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.45 MHz	FX	N0N	400 W (ERP)	1 %
7.5 MHz	FX	N0N	400 W (ERP)	1 %
7.6 MHz	FX	N0N	400 W (ERP)	1 %
7.64 MHz	FX	N0N	400 W (ERP)	1 %
7.68 MHz	FX	N0N	400 W (ERP)	1 %
7.725 MHz	FX	N0N	400 W (ERP)	1 %
7.75 MHz	FX	N0N	400 W (ERP)	1 %
7.765 MHz	FX	N0N	400 W (ERP)	1 %
7.85 MHz	FX	N0N	400 W (ERP)	1 %
7.9 MHz	FX	N0N	400 W (ERP)	1 %

Frequency Information

Waco (MCLENNAN), TX - NL 31-37-51; WL 97-04-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.95 MHz	FX	N0N	400 W (ERP)	1 %
8.03 MHz	FX	N0N	400 W (ERP)	1 %
8.075 MHz	FX	N0N	400 W (ERP)	1 %
8.135 MHz	FX	N0N	400 W (ERP)	1 %
8.2 MHz	FX	N0N	400 W (ERP)	1 %
8.275 MHz	FX	N0N	400 W (ERP)	1 %
8.325 MHz	FX	N0N	400 W (ERP)	1 %
8.385 MHz	FX	N0N	400 W (ERP)	1 %
8.45 MHz	FX	N0N	400 W (ERP)	1 %
8.51 MHz	FX	N0N	400 W (ERP)	1 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.575 MHz	FX	N0N	400 W (ERP)	1 %
8.635 MHz	FX	N0N	400 W (ERP)	1 %
8.7 MHz	FX	N0N	400 W (ERP)	1 %
8.76 MHz	FX	N0N	400 W (ERP)	1 %
8.905 MHz	FX	N0N	400 W (ERP)	1 %
8.975 MHz	FX	N0N	400 W (ERP)	1 %
9.035 MHz	FX	N0N	400 W (ERP)	1 %
9.1 MHz	FX	N0N	400 W (ERP)	1 %
9.18 MHz	FX	N0N	400 W (ERP)	1 %
9.25 MHz	FX	N0N	400 W (ERP)	1 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.35 MHz	FX	N0N	400 W (ERP)	1 %
9.375 MHz	FX	N0N	400 W (ERP)	1 %
9.95 MHz	FX	N0N	400 W (ERP)	1 %
10.05 MHz	FX	N0N	400 W (ERP)	1 %
10.2 MHz	FX	N0N	400 W (ERP)	1 %
10.25 MHz	FX	N0N	400 W (ERP)	1 %
10.35 MHz	FX	N0N	400 W (ERP)	1 %
10.4 MHz	FX	N0N	400 W (ERP)	1 %
10.46 MHz	FX	N0N	400 W (ERP)	1 %
10.525 MHz	FX	N0N	400 W (ERP)	1 %

Frequency Information

Waco (MCLENNAN), TX - NL 31-37-51; WL 97-04-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.6 MHz	FX	N0N	400 W (ERP)	1 %
10.625 MHz	FX	N0N	400 W (ERP)	1 %
10.675 MHz	FX	N0N	400 W (ERP)	1 %
10.775 MHz	FX	N0N	400 W (ERP)	1 %
10.85 MHz	FX	N0N	400 W (ERP)	1 %
10.95 MHz	FX	N0N	400 W (ERP)	1 %
10.965 MHz	FX	N0N	400 W (ERP)	1 %
11.025 MHz	FX	N0N	400 W (ERP)	1 %
11.14 MHz	FX	N0N	400 W (ERP)	1 %
11.2 MHz	FX	N0N	400 W (ERP)	1 %

Frequency Information

Waco (MCLENNAN), TX - NL 31-37-51; WL 97-04-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
11.315 MHz	FX	N0N	400 W (ERP)	1 %
11.49 MHz	FX	N0N	400 W (ERP)	1 %
11.55 MHz	FX	N0N	400 W (ERP)	1 %
11.725 MHz	FX	N0N	400 W (ERP)	1 %
12.25 MHz	FX	N0N	400 W (ERP)	1 %
12.45 MHz	FX	N0N	400 W (ERP)	1 %
12.625 MHz	FX	N0N	400 W (ERP)	1 %
12.825 MHz	FX	N0N	400 W (ERP)	1 %
13 MHz	FX	N0N	400 W (ERP)	1 %
13.2 MHz	FX	N0N	400 W (ERP)	1 %

Frequency Information

Waco (MCLENNAN), TX - NL 31-37-51; WL 97-04-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13.4 MHz	FX	N0N	400 W (ERP)	1 %
13.8 MHz	FX	N0N	400 W (ERP)	1 %
14.025 MHz	FX	N0N	400 W (ERP)	1 %
14.225 MHz	FX	N0N	400 W (ERP)	1 %
14.45 MHz	FX	N0N	400 W (ERP)	1 %
14.65 MHz	FX	N0N	400 W (ERP)	1 %
14.875 MHz	FX	N0N	400 W (ERP)	1 %
14.975 MHz	FX	N0N	400 W (ERP)	1 %
16.025 MHz	FX	N0N	400 W (ERP)	1 %
16.275 MHz	FX	N0N	400 W (ERP)	1 %

Frequency Information

Waco (MCLENNAN), TX - NL 31-37-51; WL 97-04-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.5 MHz	FX	N0N	400 W (ERP)	1 %
16.75 MHz	FX	N0N	400 W (ERP)	1 %
17 MHz	FX	N0N	400 W (ERP)	1 %
17.275 MHz	FX	N0N	400 W (ERP)	1 %
18 MHz	FX	N0N	400 W (ERP)	1 %
18.05 MHz	FX	N0N	400 W (ERP)	1 %
18.325 MHz	FX	N0N	400 W (ERP)	1 %
18.6 MHz	FX	N0N	400 W (ERP)	1 %
18.875 MHz	FX	N0N	400 W (ERP)	1 %
19.15 MHz	FX	N0N	400 W (ERP)	1 %

Frequency Information

Waco (MCLENNAN), TX - NL 31-37-51; WL 97-04-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
19.45 MHz	FX	N0N	400 W (ERP)	1 %
19.5 MHz	FX	N0N	400 W (ERP)	1 %
19.75 MHz	FX	N0N	400 W (ERP)	1 %
19.9 MHz	FX	N0N	400 W (ERP)	1 %
20.025 MHz	FX	N0N	400 W (ERP)	1 %
20.325 MHz	FX	N0N	400 W (ERP)	1 %
20.65 MHz	FX	N0N	400 W (ERP)	1 %
20.95 MHz	FX	N0N	400 W (ERP)	1 %
21.275 MHz	FX	N0N	400 W (ERP)	1 %
21.9 MHz	FX	N0N	400 W (ERP)	1 %

Frequency Information

Waco (MCLENNAN), TX - NL 31-37-51; WL 97-04-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
22.225 MHz	FX	N0N	400 W (ERP)	1 %
22.25 MHz	FX	N0N	400 W (ERP)	1 %
22.575 MHz	FX	N0N	400 W (ERP)	1 %
22.6 MHz	FX	N0N	400 W (ERP)	1 %
22.9 MHz	FX	N0N	400 W (ERP)	1 %
23.25 MHz	FX	N0N	400 W (ERP)	1 %
23.6 MHz	FX	N0N	400 W (ERP)	1 %
23.95 MHz	FX	N0N	400 W (ERP)	1 %
24.3 MHz	FX	N0N	400 W (ERP)	1 %
24.675 MHz	FX	N0N	400 W (ERP)	1 %

Frequency Information

Waco (MCLENNAN), TX - NL 31-37-51; WL 97-04-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
25.05 MHz	FX	N0N	400 W (ERP)	1 %
26.2 MHz	FX	N0N	400 W (ERP)	1 %
26.575 MHz	FX	N0N	400 W (ERP)	1 %
26.975 MHz	FX	N0N	400 W (ERP)	1 %
27 MHz	FX	N0N	400 W (ERP)	1 %
27.4 MHz	FX	N0N	400 W (ERP)	1 %
27.8 MHz	FX	N0N	400 W (ERP)	1 %
28.225 MHz	FX	N0N	400 W (ERP)	1 %
28.65 MHz	FX	N0N	400 W (ERP)	1 %
28.95 MHz	FX	N0N	400 W (ERP)	1 %

Frequency Information

Waco (MCLENNAN), TX - NL 31-37-51; WL 97-04-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.075 MHz	FX	NON	400 W (ERP)	1 %
29.5 MHz	FX	NON	400 W (ERP)	1 %
29.95 MHz	FX	NON	400 W (ERP)	1 %

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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) 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.
- (4) 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.
- (5) Operation is not permitted in the following frequencies:
5.95MHz; 6 MHz; 6.05 MHz; 6.1 MHz; 6.135 MHz; 6.175 MHz; 7.3 MHz; 7.35 MHz; 7.4 MHz; 9.435 MHz; 9.5 MHz; 9.6 MHz; 9.65 MHz; 9.75 MHz; 9.8 MHz; 9.9 MHz; 11.65 MHz; 11.665 MHz; 11.9 MHz; 12.0 MHz; 12.075 MHz; 13.6 MHz; 15.1 MHz; 15.325 MHz; 15.55 MHz; 15.8 MHz; 17.525 MHz; 17.775 MHz; 21.575 MHz; 21.75 MHz; 25.8 MHz; 26 MHz.
- (6) L3 Technologies coordinate with the local SBE frequency coordinator prior to operation on 25.6 MHz.