

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

EXPERIMENTAL
(Nature of Service)

XT FX
(Class of Station)

WJ2XAX
(Call Sign)

0491-EX-CR-2019
(File Number)

NAME Thales Avionics, Inc.

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(H) of the Commission's Rules

Station Locations

- (1) Melbourne (BREVARD), FL - NL 28-06-00; WL 80-37-12
- (2) Melbourne (BREVARD), FL - NL 28-05-11; WL 80-38-44
- (3) Phoenix (MARICOPA), AZ - NL 33-40-55; WL 112-05-53
- (4) Little Rock (PULASKI), AR - NL 34-44-08; WL 92-13-57
- (5) Seattle (KING), WA - NL 47-32-05; WL 122-19-05
- (6) Poway (SAN DIEGO), CA - NL 32-56-19; WL 117-01-12

Frequency Information

Melbourne (BREVARD), FL - NL 28-06-00; WL 80-37-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1618.725-1626 MHz	FX	41K7Q7W 41K7Q7W 83K0Q7W	4.8 W (ERP)	0.0021 %
1618.725-1626 MHz	FX	333KQ7W 666KQ7W	9 W (ERP)	0.0021 %

This authorization effective October 01, 2019 and
will expire 3:00 A.M. EST October 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Melbourne (BREVARD), FL - NL 28-06-00; WL 80-37-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1618.725-1626 MHz	FX	666KQ7W	40.4 W (ERP)	0.0021 %
1618.725-1626 MHz	FX	333KQ7W	20.2 W (ERP)	0.0021 %

Melbourne (BREVARD), FL - NL 28-05-11; WL 80-38-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1618.725-1626 MHz	FX	41K7Q7W 41K7Q7W 83K0Q7W	4.8 W (ERP)	0.0021 %
1618.725-1626 MHz	FX	333KQ7W 666KQ7W	9 W (ERP)	0.0021 %
1618.725-1626 MHz	FX	666KQ7W	40.4 W (ERP)	0.0021 %
1618.725-1626 MHz	FX	333KQ7W	20.2 W (ERP)	0.0021 %

Phoenix (MARICOPA), AZ - NL 33-40-55; WL 112-05-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1618.725-1626 MHz	FX	41K7Q7W 41K7Q7W	4.8 W (ERP)	0.0021 %

Frequency Information

Phoenix (MARICOPA), AZ - NL 33-40-55; WL 112-05-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1618.725-1626 MHz	FX	83K0Q7W	4.8 W (ERP)	0.0021 %
1618.725-1626 MHz	FX	333KQ7W 666KQ7W	9 W (ERP)	0.0021 %
1618.725-1626 MHz	FX	666KQ7W	40.4 W (ERP)	0.0021 %
1618.725-1626 MHz	FX	333KQ7W	20.2 W (ERP)	0.0021 %

Little Rock (PULASKI), AR - NL 34-44-08; WL 92-13-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1618.725-1626 MHz	FX	41K7Q7W 41K7Q7W 83K0Q7W	4.8 W (ERP)	0.0021 %
1618.725-1626 MHz	FX	333KQ7W 666KQ7W	9 W (ERP)	0.0021 %
1618.725-1626 MHz	FX	666KQ7W	40.4 W (ERP)	0.0021 %
1618.725-1626 MHz	FX	333KQ7W	20.2 W (ERP)	0.0021 %

Frequency Information

Seattle (KING), WA - NL 47-32-05; WL 122-19-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1618.725-1626 MHz	FX	41K7Q7W 41K7Q7W 83K0Q7W	4.8 W (ERP)	0.0021 %
1618.725-1626 MHz	FX	333KQ7W 666KQ7W	9 W (ERP)	0.0021 %
1618.725-1626 MHz	FX	666KQ7W	40.4 W (ERP)	0.0021 %
1618.725-1626 MHz	FX	333KQ7W	20.2 W (ERP)	0.0021 %

Poway (SAN DIEGO), CA - NL 32-56-19; WL 117-01-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1618.725-1626 MHz	FX	41K7Q7W 41K7Q7W 83K0Q7W	4.8 W (ERP)	0.0021 %
1618.725-1626 MHz	FX	333KQ7W 666KQ7W	9 W (ERP)	0.0021 %
1618.725-1626 MHz	FX	666KQ7W	40.4 W (ERP)	0.0021 %

Frequency Information

Poway (SAN DIEGO), CA - NL 32-56-19; WL 117-01-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1618.725-1626 MHz	FX	333KQ7W	20.2 W (ERP)	0.0021 %

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) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (4) POINT OF COMMUNICATION: Non-geostationary-satellite orbit (NGSO) Iridium Constellation.
- (5) Stop Buzzer: Fernando Fontanet (Thales) at 321-961-7857.
- (6) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing.