

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

EXPERIMENTAL

(Nature of Service)

WJ2XVD

(Call Sign)

XT FX MO

(Class of Station)

0709-EX-CN-2018

(File Number)

NAME Sandel 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(e, h & j) of the Commission's Rules

Station Locations

- (1) MOBILE: Flight Test Aircraft based at Palomar Airport, Carlsbad, CA, within 370 km, centered around NL 33-07-39; WL 117-16-45
- (2) VISTA (SAN DIEGO), CA - NL 33-09-11; WL 117-13-07

Frequency Information

MOBILE: Flight Test Aircraft based at Palomar Airport, Carlsbad, CA, within 370 km, centered around NL 33-07-39; WL 117-16-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
122 MHz	MO	6K00A3E	64.8 W (ERP)	0.3 %
136 MHz	MO	6K00A3E	64.8 W (ERP)	0.3 %
1090 MHz	MO	14M0K1D 14M0M1D	250 W (ERP)	0.3 %

This authorization effective December 13, 2018 and
will expire 3:00 A.M. EST March 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

VISTA (SAN DIEGO), CA - NL 33-09-11; WL 117-13-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
122 MHz	FX	6K00A3E	64.8 W (ERP)	0.3 %
136 MHz	FX	6K00A3E	64.8 W (ERP)	0.3 %

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) The following special conditions apply to operations on 1090 MHz:

(1) All TSO related laboratory testing must be completed before proceeding to ramp testing the transponder on the ground at the McClellan-Palomar Airport and before flight testing;

(2) Ramp testing must be conducted using certified test equipment and conducted so as to minimize ambient radiation (and using direct connect, antenna hat or shielded area whenever possible);

(3) Flight tests must be coordinated with ATC, with FAA air certification authorities and be IAW the approved Sandel flight test plan for aircraft N770AL;

(4) Only test modes 3/A,C,S, and functions ADS-B,TIS-B;

(5) set 3/a code as directed by ATC;

(6) Sandel POC is John Fageol at 760-408-0018.