

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

EXPERIMENTAL

(Nature of Service)

WI2XGO

(Call Sign)

XC FX MO

(Class of Station)

0074-EX-PL-2016

(File Number)

NAME Saab Sensis Corporation

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) East Syracuse (ONONDAGA), NY - NL 43-06-10; WL 76-02-56; MOBILE: East Syracuse (ONONDAGA), NY, within 10 km

Frequency Information

East Syracuse (ONONDAGA), NY - NL 43-06-10; WL 76-02-56; MOBILE: East Syracuse (ONONDAGA), NY, within 10 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	MO	27M7V1D	500 W (ERP)	
1090 MHz	MO	13M5M1D	325 W (ERP)	

Special Conditions:

- (1) Assignment on 1030 MHz or in one of the bands 1215-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Eastern Coordinator, New York, NY. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Eastern Coordinator, New York, NY, as necessary to ensure compatibility with existing uses.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

This authorization effective May 13, 2016 and
will expire 3:00 A.M. EST May 01, 2018

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COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by FAA contract DTWFA-12-C-00018. 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.
- (5) On 1030 MHz, interrogation is limited to 10 msg/sec for 5 minute period.
- (6) On 1030 MHz, this only supports experimental testing for the multilateration component of the system, and shall not be used as an APNT (alternative positioning navigation and timing) system.
- (7) On 1030 MHz, the power is the max authorized EIRP, but will be adjusted using whisper shout method techniques.
- (8) On 1030 MHz, the power and interrogation rates shall be limited that the aggregate effect of all systems that are part of this system do not exceed one-quarter of one percent of any aircraft total transponder occupancy (reply and suppression) times. Additionally, the interrogation rate shall be limited such that the elicited replies from any transponder will be less than ten replies per transponder per second.
- (9) Saab Sensis must not initiate Mode S all-call interrogation.
- (10) On 1090 MHz, this only supports experimental testing for the multilateration component of the system as a reference transponder to initiate bit test and synchronize timing among remote units and shall not be used as an APNT (alternative positioning navigation and timing) system.
- (11) On 1090 MHz, the power is max authorized EIRP, and will be adjusted coverage requirement.