

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WK2XJH

(Call Sign)

0504-EX-CN-2019

(File Number)

NAME SRC, 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(J) of the Commission's Rules

Station Locations

- (1) Chantilly, VA - NL 38-54-26; WL 77-27-11
- (2) North Syracuse (ONONDAGA), NY - NL 43-07-43; WL 76-05-02
- (3) North Syracuse (ONONDAGA), NY - NL 43-07-52; WL 76-05-21
- (4) North Syracuse (ONONDAGA), NY - NL 43-07-47; WL 76-05-03
- (5) North Syracuse (ONONDAGA), NY - NL 43-07-51; WL 76-05-20
- (6) San Antonio (BEXAR), TX - NL 29-29-26; WL 98-34-53

Frequency Information

Chantilly, VA - NL 38-54-26; WL 77-27-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1575.42 MHz	FX	20M4M1D	23.55 pW (ERP)	

This authorization effective August 16, 2019 and
will expire 3:00 A.M. EST September 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

North Syracuse (ONONDAGA), NY - NL 43-07-43; WL 76-05-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1227.6 MHz	FX	24M0G1D	21.98 pW (ERP)	
1575.42 MHz	FX	24M0G1D	13.35 pW (ERP)	

North Syracuse (ONONDAGA), NY - NL 43-07-52; WL 76-05-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1227.6 MHz	FX	24M0G1D	21.98 pW (ERP)	
1575.42 MHz	FX	24M0G1D	13.35 pW (ERP)	

North Syracuse (ONONDAGA), NY - NL 43-07-47; WL 76-05-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1227.6 MHz	FX	24M0G1D	21.98 pW (Output Power)	
1575.42 MHz	FX	24M0G1D	13.35 pW (Output Power)	

Frequency Information

North Syracuse (ONONDAGA), NY - NL 43-07-51; WL 76-05-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1227.6 MHz	FX	24M0G1D	21.98 pW (Output Power)	
1575.42 MHz	FX	24M0G1D	13.35 pW (Output Power)	

San Antonio (BEXAR), TX - NL 29-29-26; WL 98-34-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1227.6 MHz	FX	24M0G1D	21.98 pW (Output Power)	
1575.42 MHz	FX	24M0G1D	13.35 pW (Output Power)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) GPS re-radiators are limited to a maximum ERP value that will result in power levels not to exceed a power spectral density of -140 dBm/24 MHz measured at a distance of 100 ft outside the building of operation. Any malfunction, misalignment, or tampering of the equipment or its location which results in an increased power spectral density outside the building could cause harmful radio frequency interference to GPS receivers, including those in aircraft and/or ground based facilities.
- (4) The designated point-of-contact to terminate transmissions if interference occurs is
Mr. Bob de Chelero Phone: 315-452-8958 Syracuse, N.Y.
Mr. Mark Braunstein Phone: 703-961-5519 Chantilly VA
Victor Vandenberg Phone: 210-249-9598 San Antonio TX
- (5) Authorization is for indoor use only
- (6) Operation is limited to activity for the purpose of testing radionavigation satellite service (RNSS) equipment and systems.

Special Conditions:

- (7) The area of potential interference to GPS reception (e.g., military or contractor facility) has to be under the control of the user.
- (8) GPS users in the area of potential interference to GPS reception must be notified that GPS information may be impacted for periods of time.
- (9) Licensee shall post signs on doors to the test area notifying that, "GPS re-radiator is in use and the GPS information you receive may be in error."
- (10) GPS re-radiators must operate in accordance with Section 8.3.28 of the NTIA Manual. Power spectral density of the signal should be very well controlled beyond the building.