

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WJ2XLH

(Call Sign)

0334-EX-CM-2019

(File Number)

NAME Northrop Grumman Innovation Systems, 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) Dulles (LOUDOUN), VA - NL 39-00-56; WL 77-25-42

Frequency Information

Dulles (LOUDOUN), VA - NL 39-00-56; WL 77-25-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1176.45 MHz	FX	24M0N0N	7 mW (ERP)	0.01 %
1575.42 MHz	FX	24M0N0N	7 mW (ERP)	0.01 %
1800 MHz	FX	100MN0N	7 mW (ERP)	0.01 %

Special Conditions:

- (1) The area of potential interference to GPS reception has to be under the control of the user.

This authorization effective December 30, 2019 and
will expire 3:00 A.M. EST June 01, 2020

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Special Conditions:

- (2) The maximum equivalent isotopically radiated power must be such that the calculated emissions are no greater than -140 dBm/24 MHz at a distance of 100 feet (30 meters) from the building where the test is being conducted. The calculations showing compliance with this requirement should be based on free space propagation with no allowance for building attenuation.
- (3) Place sign on doors into the testing area stating "GPS reradiator in use, false GPS reception may be received".
- (4) The use is limited to activity for the purpose of testing RNSS equipment/Systems.
- (5) The Stop Buzzer contact: David DeTroye or alternate at (703) 404-6525 must be available during all testing.