

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WH2XRS

(Call Sign)

0294-EX-CR-2019

(File Number)

NAME Northrop Grumman Systems 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) Hanover (ANNE ARUNDEL), MD - NL 39-11-09; WL 76-42-09
- (2) Linthicum (ANNE ARUNDEL), MD - NL 39-10-57; WL 76-41-22

Frequency Information

Hanover (ANNE ARUNDEL), MD - NL 39-11-09; WL 76-42-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	FX	7M00V1D	661 W (ERP)	

Linthicum (ANNE ARUNDEL), MD - NL 39-10-57; WL 76-41-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	FX	7M00V1D	661 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

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

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COMMISSION**



Special Conditions:

- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) One or more frequency assignments were coordinated prior to authorization with FAA Headquarters, 800 Independence Avenue, S.W., Washington, DC 20591; Telephone: 202-267-8699.
- (4) The following are FAA conditions to be added to FCC license WH2XRS for 1030 MHz: (1) 1030 MHz assignment is for the UPX-44 interrogator with G/ATOR TPS-80 radar for test of random airborne transponders, (2) permission to radiate is only for interrogators with P/NS with an AIMS certification letter, (3) only modes 1,2,3/A and C are allowed, (4) max PRR is 354, (5) at least 30secs of quiet must follow each minute of radiation, (6) two MD locations permitted but only one may radiate at a time, (7) at Hanover must blank between azimuth 37 to 265 deg, (8) at Linthicum must blank between azimuth 16 to 266 deg (9) stop buzzers at Hanover are 410-765-2333 and 410-765-2818, (11) stop buzzer at Linthicum is 410-993-5485.