

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

KA2XBU

(Call Sign)

0154-EX-CR-2016

(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(j) of the Commission's Rules

Station Locations

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

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	FX	8M00M1D	100 kW (ERP)	
2700 MHz	FX	5M00P0N	1.9 GW (ERP)	
2845 MHz	FX	5M00P0N	1.9 GW (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.

This authorization effective January 01, 2017 and
will expire 3:00 A.M. EST February 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (2) This frequency assignment was coordinated prior to authorization with FAA Headquarters, 800 Independence Avenue, S.W., Washington, DC 20591; Telephone: 202-267-8699.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Operation on 1030 MHz is authorized only for pulse repetition rate of 235 pps in SIF Mode only.
- (5) Transmission direction is between 127-160 degrees, 255-277 degrees and 300-347 degrees referenced to True North for operations on 2700 and 2845 MHz and between -45 degrees and + 45 degrees referenced to True North for 1030 MHz.