

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

EXPERIMENTAL

(Nature of Service)

KA2XGP

(Call Sign)

XD FX

(Class of Station)

0108-EX-RR-1999

(File Number)

NAME NORTHROP GRUMMAN 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. 5.202(i) of the Commission's Rules

Station Locations

(1) ANNE ARUNDEL (ANNE ARUNDEL), MD - NL 39-11-05; WL 76-42-23

Frequency Information

ANNE ARUNDEL (ANNE ARUNDEL), MD - NL 39-11-05; WL 76-42-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138-144 MHz	FX	N0N	100 W (ERP)	
162.1-173 MHz	FX	N0N	100 W (ERP)	
225-328.6 MHz	FX	N0N	100 W (ERP)	
335.4-399.9 MHz	FX	N0N	100 W (ERP)	
420-608 MHz	FX	N0N	100 W (ERP)	
614-806 MHz	FX	N0N	100 W (ERP)	
902-928 MHz	FX	N0N	100 W (ERP)	
1025 MHz	FX	N0N	100 W (ERP)	
1035 MHz	FX	N0N	100 W (ERP)	
1084 MHz	FX	N0N	100 W (ERP)	
1090 MHz	FX	N0N	100 W (ERP)	
1096 MHz	FX	N0N	100 W (ERP)	
1215-1400 MHz	FX	N0N	100 W (ERP)	
1427-1435 MHz	FX	N0N	100 W (ERP)	
1710-2690 MHz	FX	N0N	100 W (ERP)	
2700-2900 MHz	FX	N0N	100 W (ERP)	
2900-4200 MHz	FX	N0N	100 W (ERP)	
4400-4990 MHz	FX	N0N	100 W (ERP)	
5250-5600 MHz	FX	N0N	100 W (ERP)	
5650-8500 MHz	FX	N0N	100 W (ERP)	

This authorization effective APR 01, 1999 and
will expire 3:00 A.M. EST APR 01, 2001

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

ANNE ARUNDEL (ANNE ARUNDEL), MD - NL 39-11-05; WL 76-42-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8500-9000 MHz	FX	N0N	100 W (ERP)	
9000-9200 MHz	FX	N0N	100 W (ERP)	
9200-10500 MHz	FX	N0N	100 W (ERP)	
10700-12200 MHz	FX	N0N	100 W (ERP)	

Special Conditions:

- (1) Assignment in frequency bands 960-1400, 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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.152 of the Commission's Rules are waived.
- (4) Additional locations at (1) 39-10-56 NL, 76-42-03 WL and (2) 39-10-56 NL, 76-41-23 WL.