

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

KA2XGP

(Call Sign)

5663-EX-ML-1997

(File Number)

NAME

NORTHROP GRUMMAN CORPORATION

ANNE ARUNDEL, (ANNE ARUNDEL) MD - NL 39-11-05; WL 076-42-23

(Location of Station)

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.

Frequency	Class	Emission	Authorized
	Stn	Designator	Power watts

See Attached Page 3

Operation: In accordance with Sec. 5.202(i) of the Commission's Rules.

Special Conditions:

See Attached Page 2

This authorization effective April 11, 1997 and
will expire 3:00 A.M. EST April 1, 1999

**FEDERAL
COMMUNICATIONS
COMMISSION**



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.

Frequency MHz	Class Stn	Emission Designator	Authorized Power watts
138.00000-			
144.00000	FX	NON	100W (ERP)
162.10000-			
173.00000	FX	NON	100W (ERP)
225.00000-			
328.60000	FX	NON	100W (ERP)
335.40000-			
399.90000	FX	NON	100W (ERP)
420.00000-			
608.00000	FX	NON	100W (ERP)
614.00000-			
806.00000	FX	NON	100W (ERP)
902.00000-			
928.00000	FX	NON	100W (ERP)
1025.00000	FX	NON	100W (ERP)
1035.00000	FX	NON	100W (ERP)
1084.00000	FX	NON	100W (ERP)
1090.00000	FX	NON	100W (ERP)
1096.00000	FX	NON	100W (ERP)
1215.00000-			
1400.00000	FX	NON	100W (ERP)
1427.00000-			
1435.00000	FX	NON	100W (ERP)
1710.00000-			
2690.00000	FX	NON	100W (ERP)
2700.00000-			
2900.00000	FX	NON	100W (ERP)
2900.00000-			
4200.00000	FX	NON	100W (ERP)
4400.00000-			
4990.00000	FX	NON	100W (ERP)
5250.00000-			
8500.00000	FX	NON	100W (ERP)
8500.00000-			
9000.00000	FX	NON	100W (ERP)
9000.00000-			
9200.00000	FX	NON	100W (ERP)
9200.00000-			
10500.00000	FX	NON	100W (ERP)
10700.00000-			
12200.00000	FX	NON	100W (ERP)