

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WA2XOY

(Call Sign)

0022-EX-TC-2001

(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(b) of the Commission's Rules

Station Locations

(1) HANOVER (ANNE ARUNDEL), MD - NL 39-11-06; WL 76-42-20

Frequency Information

HANOVER (ANNE ARUNDEL), MD - NL 39-11-06; WL 76-42-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5300 MHz	FX	5M66P0N	500 kW (ERP)	0.005 %
5750 MHz	FX	5M66P0N	500 kW (ERP)	0.005 %
6200 MHz	FX	5M66P0N	125 W (ERP)	0.005 %
6700 MHz	FX	5M66P0N	125 W (ERP)	0.005 %
7100 MHz	FX	5M66P0N	125 W (ERP)	0.005 %
7800 MHz	FX	5M66P0N	125 W (ERP)	0.005 %
8750 MHz	FX	5M66P0N	500 kW (ERP)	0.005 %
9400 MHz	FX	5M66P0N	500 kW (ERP)	0.005 %
9900 MHz	FX	5M66P0N	500 kW (ERP)	0.005 %
11000 MHz	FX	5M66P0N	125 W (ERP)	0.005 %
11500 MHz	FX	5M66P0N	125 W (ERP)	0.005 %
12000 MHz	FX	5M66P0N	125 W (ERP)	0.005 %
12800 MHz	FX	5M66P0N	125 W (ERP)	0.005 %
13500 MHz	FX	5M66P0N	500 kW (ERP)	0.005 %
13900 MHz	FX	5M66P0N	500 kW (ERP)	0.005 %
14600 MHz	FX	5M66P0N	125 W (ERP)	0.005 %

This authorization effective March 30, 2001 and
will expire 3:00 A.M. EST March 01, 2002

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

HANOVER (ANNE ARUNDEL), MD - NL 39-11-06; WL 76-42-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15000 MHz	FX	5M66P0N	125 W (ERP)	0.005 %
16300 MHz	FX	5M66P0N	500 kW (ERP)	0.005 %
16800 MHz	FX	5M66P0N	500 kW (ERP)	0.005 %
17250 MHz	FX	5M66P0N	500 kW (ERP)	0.005 %
17650 MHz	FX	5M66P0N	500 kW (ERP)	0.005 %
18100 MHz	FX	5M66P0N	125 W (ERP)	0.005 %
18700 MHz	FX	5M66P0N	125 W (ERP)	0.005 %
19200 MHz	FX	5M66P0N	125 W (ERP)	0.005 %

Special Conditions:

- (1) The station identification requirements of Section 5.152 of the Commission's Rules are waived.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) This authorization is issued for the express purpose of conducting experimental operations in the related application and required by Naval Research Laboratory Contract No. N00014-96-C-2016. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.