

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

EXPERIMENTAL
(Nature of Service)

WB9XLQ
(Call Sign)

XD FX MO
(Class of Station)

0034-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.

Station Locations

- (1) Hagerstown (WASHINGTON), MD - NL 39-42-24; WL 77-43-23; MOBILE: aircraft, 5500m AMSL, within 320 km

Frequency Information

Hagerstown (WASHINGTON), MD - NL 39-42-24; WL 77-43-23; MOBILE: aircraft, 5500m AMSL, within 320 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
25160 kHz	FX	2K50G2D	400 W (ERP)	
25160 kHz	MO	2K50G2D	400 W (ERP)	
25250 kHz	MO	2K50G2D	400 W (ERP)	
25250 kHz	FX	2K50G2D	400 W (ERP)	
35.5 MHz	MO	20K0F1D	20 W (ERP)	
35.5 MHz	FX	20K0F1D	20 W (ERP)	
151.505 MHz	MO	20K0F1D	20 W (ERP)	
151.505 MHz	FX	20K0F1D	20 W (ERP)	
151.625 MHz	FX	20K0F1D	20 W (ERP)	
151.625 MHz	MO	20K0F1D	20 W (ERP)	
158.4 MHz	MO	20K0F1D	20 W (ERP)	
158.4 MHz	FX	20K0F1D	20 W (ERP)	
464.5 MHz	FX	20K0F1D	20 W (ERP)	
464.5 MHz	MO	20K0F1D	20 W (ERP)	
464.55 MHz	FX	20K0F1D	20 W (ERP)	
464.55 MHz	MO	20K0F1D	20 W (ERP)	

This authorization effective March 30, 2001 and
will expire 3:00 A.M. EST August 09, 2001

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Hagerstown (WASHINGTON), MD - NL 39-42-24; WL 77-43-23; MOBILE: aircraft, 5500m AMSL, within 320 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
469.5 MHz	FX	20K0F1D	20 W (ERP)	
469.5 MHz	MO	20K0F1D	20 W (ERP)	
469.55 MHz	FX	20K0F1D	20 W (ERP)	
469.55 MHz	MO	20K0F1D	20 W (ERP)	
9350 MHz	MO	215MQ0N	7 MW (ERP)	
14592 MHz	FX	28M0G1D	100 W (ERP)	
14840 MHz	FX	600KG1D	3500 W (ERP)	
15250 MHz	MO	10M7G1D	500 W (ERP)	
15320 MHz	FX	28M0G1D	100 W (ERP)	