

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL  
(Nature of Service)

WB9XLQ  
(Call Sign)

XD FX MO  
(Class of Station)

0053-EX-ST-2001  
(File Number)

NAME Northrop Grumman Corporation

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934

Special Temporary Authority is hereby granted to operate the apparatus described below:

**Purpose Of Operation:**

Test, development, and demonstration of mobile-ground and airborne communications systems.

**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)	

This authorization effective February 09, 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 (+/-)
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)	
469.5 MHz	MO	20K0F1D	20 W (ERP)	
469.5 MHz	FX	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)	
14840 MHz	FX	600KG1D	3500 W (ERP)	
14900 MHz	FX	28M0G1D	100 W (ERP)	
15250 MHz	MO	10M7G1D	500 W (ERP)	
15320 MHz	FX	28M0G1D	100 W (ERP)	