

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WC9XAT

(Call Sign)

0140-EX-ST-2005

(File Number)

NAME Northrop Grumman Systems 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 of antenna system.

Station Locations

- (1) Linthicum (ANNE ARUNDEL), MD - NL 39-11-08; WL 76-41-11; MOBILE: Airborne, max. altitude 20,000 feet, within 370 km, centered around NL 39-11-08; WL 76-41-11
- (2) St. Ingoes (ST MARYS), MD - NL 38-08-45; WL 76-25-42; MOBILE: Airborne, max. altitude 20,000 feet, within 185 km, centered around NL 38-08-45; WL 76-25-42

Frequency Information

Linthicum (ANNE ARUNDEL), MD - NL 39-11-08; WL 76-41-11; MOBILE: Airborne, max. altitude 20,000 feet, within 370 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8500-9000 MHz	FX	1G30P0N	10 kW (ERP)	
8500-9000 MHz	MO	1G30P0N	10 kW (ERP)	

This authorization effective June 01, 2005 and
will expire 3:00 A.M. EST December 02, 2005

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Linthicum (ANNE ARUNDEL), MD - NL 39-11-08; WL 76-41-11; MOBILE: Airborne, max. altitude 20,000 feet, within 370 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9200-9800 MHz	FX	1G30P0N	10 kW (ERP)	
9200-9800 MHz	MO	1G30P0N	10 kW (ERP)	

St. Inigoes (ST MARYS), MD - NL 38-08-45; WL 76-25-42; MOBILE: Airborne, max. altitude 20,000 feet, within 185 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8500-9000 MHz	FX	1G30P0N	10 kW (ERP)	
8500-9000 MHz	MO	1G30P0N	10 kW (ERP)	
9200-9800 MHz	FX	1G30P0N	10 kW (ERP)	
9200-9800 MHz	MO	1G30P0N	10 kW (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) No interference is to be caused to NASA assignments in the Greenbelt, MD area for the following frequencies: 8750 MHz, 9310 MHz, 9375 MHz and 9410 MHz.
- (3) The stop buzzer numbers below are always available during testing:

Rod Fremd - (410) 765-5623
 pager - (410) 541-1707

Jim Sochurek - (410) 765-5626
 pager - (410) 541-1745