

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WC9XAJ

(Call Sign)

0139-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) Georgetown (SUSSEX), DE - NL 38-41-34; WL 75-21-53; MOBILE: Airborne, max alt = 12,500 ft, within 38 km, centered around NL 38-41-34; WL 75-21-53

Frequency Information

Georgetown (SUSSEX), DE - NL 38-41-34; WL 75-21-53; MOBILE: Airborne, max alt = 12,500 ft, within 38 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16500 MHz	FX	1G20M0N	62 W (ERP)	
16500 MHz	MO	1G20M0N	12 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.

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) The frequency range of 15900-17100 MHz shall be restricted to this test, and shall not be allowed for production purposes.
- (4) Further testing and development of this product shall meet the standards stated in the NTIA Redbook section 8.2.46.