

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WC9XGS

(Call Sign)

0446-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:

Advanced direction finding algorithm development for the EA-18G interferometer antenna using an HP/Agilent 8673A signal generator and a Hughes 8010H04 amplifier.

Station Locations

(1) Linthicum (ANNE ARUNDEL), MD - NL 39-11-00; WL 76-41-07

Frequency Information

Linthicum (ANNE ARUNDEL), MD - NL 39-11-00; WL 76-41-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
17.25 GHz	FX	100KF2D	57.85 W (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) The power shall not exceed 57.85 watts peak ERP.

This authorization effective August 26, 2005 and
will expire 3:00 A.M. EST February 16, 2006

**FEDERAL
COMMUNICATIONS
COMMISSION**

