

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

EXPERIMENTAL

(Nature of Service)

WC9XIF

(Call Sign)

XC FX MO

(Class of Station)

0658-EX-ST-2006

(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:

Development and testing of a fixed base and mobile experimental communications system.

Station Locations

- (1) Elkridge (HOWARD), MD - NL 39-45-53; WL 76-45-14; MOBILE: Elkridge (HOWARD), MD, within 3 km, centered around NL 39-45-53; WL 76-45-14

Frequency Information

Elkridge (HOWARD), MD - NL 39-45-53; WL 76-45-14; MOBILE: Elkridge (HOWARD), MD, within 3 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
450-462.95 MHz	MO	25K0F3E	0.61 W (ERP)	
450-462.95 MHz	MO	25K0F3E	0.61 W (ERP)	
450-462.95 MHz	MO	25K0F3E	1.8 W (ERP)	

This authorization effective July 18, 2007 and
will expire 3:00 A.M. EST October 19, 2007

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Elkridge (HOWARD), MD - NL 39-45-53; WL 76-45-14; MOBILE: Elkridge (HOWARD), MD, within 3 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
450-462.95 MHz	MO	25K0F3E	1.8 W (ERP)	
450-462.95 MHz	FX	25K0F3E	15.2 W (ERP)	
450-462.95 MHz	FX	25K0F3E	15.2 W (ERP)	
463.2-467.95 MHz	MO	25K0F3E	0.61 W (ERP)	
463.2-467.95 MHz	MO	25K0F3E	0.61 W (ERP)	
463.2-467.95 MHz	MO	25K0F3E	1.8 W (ERP)	
463.2-467.95 MHz	MO	25K0F3E	1.8 W (ERP)	
463.2-467.95 MHz	FX	25K0F3E	15.2 W (ERP)	
463.2-467.95 MHz	FX	25K0F3E	15.2 W (ERP)	
468.2-470 MHz	MO	25K0F3E	0.61 W (ERP)	

Frequency Information

Elkridge (HOWARD), MD - NL 39-45-53; WL 76-45-14; MOBILE: Elkridge (HOWARD), MD, within 3 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
468.2-470 MHz	MO	25K0F3E	0.61 W (ERP)	
468.2-470 MHz	MO	25K0F3E	1.8 W (ERP)	
468.2-470 MHz	MO	25K0F3E	1.8 W (ERP)	
468.2-470 MHz	FX	25K0F3E	15.2 W (ERP)	
468.2-470 MHz	FX	25K0F3E	15.2 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) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.
- (3) Northrop Grumman shall avoid the bands 462.950-463.200 MHz and 467.950-468.200 MHz which are used by hospitals for medical radio communications.