

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WH2XFL

(Call Sign)

XT MO

(Class of Station)

0297-EX-PL-2014

(File Number)

NAME Northrop Grumman Systems Corporation

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(e & j) of the Commission's Rules

Station Locations

- (1) MOBILE: Palm Bay, FL - Willow Brook Road Test Area, within 2 km, centered around
NL 27-53-23; WL 80-42-18

Frequency Information

MOBILE: Palm Bay, FL - Willow Brook Road Test Area, within 2 km, centered around NL 27-53-23; WL 80-42-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.5 GHz	MO	100KN0N	200 W (ERP)	
11 GHz	MO	100KN0N	200 W (ERP)	
11.5 GHz	MO	100KN0N	200 W (ERP)	
12 GHz	MO	100KN0N	200 W (ERP)	

This authorization effective June 13, 2014 and
will expire 3:00 A.M. EST June 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Palm Bay, FL - Willow Brook Road Test Area, within 2 km, centered around NL 27-53-23; WL 80-42-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12.5 GHz	MO	100KN0N	200 W (ERP)	
13 GHz	MO	100KN0N	200 W (ERP)	
13.5 GHz	MO	100KN0N	200 W (ERP)	
14 GHz	MO	100KN0N	200 W (ERP)	
14.5 GHz	MO	100KN0N	200 W (ERP)	
15 GHz	MO	100KN0N	200 W (ERP)	
15.5 GHz	MO	100KN0N	200 W (ERP)	
16 GHz	MO	100KN0N	200 W (ERP)	
16.5 GHz	MO	100KN0N	200 W (ERP)	
17 GHz	MO	100KN0N	200 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 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 Systems Corporation must coordinate with affected earth stations in the area prior to operation on 11.5 GHz and 12 GHz to avoid interference.
- (4) Northrop Grumman Systems Corporation must coordinate with affected fixed microwave stations in the area prior to operation on 11 GHz, 11.5 GHz, 12.5 GHz and 13 GHz to avoid interference.