

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WG9XBI

(Call Sign)

0732-EX-ST-2012

(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:

Support of a radio frequency electronic warfare (RFEW) technology demonstration.

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 (+/-)
8.47 GHz	MO	100KN0N	200 W (ERP)	
9.2 GHz	MO	100KN0N	200 W (ERP)	
9.48 GHz	MO	100KN0N	200 W (ERP)	

This authorization effective October 26, 2012 and
will expire 3:00 A.M. EST April 26, 2013

**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 (+/-)
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)	

Special Conditions:

- (1) 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.
- (2) Northrop Grumman Systems Corporation must coordinate with affected fixed microwave stations in the area prior to operation on 11 GHz and 11.5 GHz to avoid interference.
- (3) This STA is authorized for ground operations only.