

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

EXPERIMENTAL

(Nature of Service)

WE2XDH

(Call Sign)

XC MO

(Class of Station)

0051-EX-RR-2009

(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(b) of the Commission's Rules

Station Locations

- (1) MOBILE: Clinton, TN, within 10 km, centered around NL 36-05-53; WL 84-06-19
- (2) MOBILE: Lenoir City, TN, within 10 km, centered around NL 35-52-50; WL 84-18-45

Frequency Information

MOBILE: Clinton, TN, within 10 km, centered around NL 36-05-53; WL 84-06-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
143 MHz	MO	20K0F3E	5 W (ERP)	
150.65 MHz	MO	20K0F1D	5 W (ERP)	
2371.5 MHz	MO	16M5F3W	5 W (ERP)	
2378.5 MHz	MO	22M0F9W	5 W (ERP)	

This authorization effective May 01, 2009 and
will expire 3:00 A.M. EST May 01, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Lenoir City, TN, within 10 km, centered around NL 35-52-50; WL 84-18-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
143 MHz	MO	20K0F3E	5 W (ERP)	
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2371.5 MHz	MO	16M5F3W	5 W (ERP)	
2378.5 MHz	MO	22M0F9W	5 W (ERP)	

Special Conditions:

- (1) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by U.S. Navy contract number N00174-97-D-0009. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (5) The frequencies 2371.5 MHz and 2378.5 MHz were coordinated prior to authorization with the HQ USAF Frequency Coordinator, Alexandria, VA., who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the HQ USAF Frequency Coordinator, Alexandria, VA., as necessary to ensure compatibility with existing uses.
- (6) The frequencies 2371.5 MHz and 2378.5 MHz were coordinated prior to authorization with AFMO CONUS, Ft. Sam Houston, Texas, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with AFMO CONUS, Ft. Sam Houston, Texas, as necessary to ensure compatibility with existing uses.