

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WE2XDH

(Call Sign)

0136-EX-RR-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(c) 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	11K0F3E	5 W (ERP)	
150.065 MHz	MO	11K0F1D 9K30F1D	5 W (ERP)	
2375 MHz	MO	16M5F8W 2M50W7D 1M30W7D 6M00W7D 7M00W7D	5 W (ERP)	

This authorization effective May 01, 2014 and
will expire 3:00 A.M. EST May 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



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 (+/-)
2375 MHz	MO	8M00W7D	5 W (ERP)	

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	11K0F3E	5 W (ERP)	
150.065 MHz	MO	11K0F1D 9K30F1D	5 W (ERP)	
2375 MHz	MO	16M5F8W 2M50W7D 1M30W7D 6M00W7D 7M00W7D 8M00W7D	5 W (ERP)	

Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the Air Force Spectrum Management Office, Fort Meade, MD, 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 Air Force Spectrum Management Office, Fort Meade, MD, as necessary to ensure compatibility with existing uses.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

Special Conditions:

- (3) 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 N00174-09-C-0010. 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.