

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

EXPERIMENTAL

(Nature of Service)

WE2XMF

(Call Sign)

XC MO

(Class of Station)

0256-EX-RR-2009

(File Number)

NAME Northrop Grumman Ship Systems, Inc.

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: On National Security Cutter at Northrop Grumman Pascagoula Operations Shipyard and in the Gulf of Mexico at least 186 km from the coast but not greater than 240 km from the coast, within 240 km, centered around NL 30-20-44; WL 88-34-40

Frequency Information

MOBILE: On National Security Cutter at Northrop Grumman Pascagoula Operations Shipyard and in the Gulf of Mexico at least 186 km from the coast but not greater than 240 km from the coast, within 240 km, centered around NL 30-20-44; WL 88-34-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1090 MHz	MO		500 W (Output Power)	
		10M0M1D		
		14M0M1D		
		11M9M1D		

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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

This authorization effective January 01, 2010 and
will expire 3:00 A.M. EST January 01, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Coast Guard contract DTG23-02-C-2DW001. 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.
- (4) Until such time that the National Security Cutter can be modified to allow the transponder altitude to be set to the altitudes of 1000 feet below mean sea level or more than 90000 feet above mean sea level, any in-port testing requires coordination with the Federal Aviation Administration Eastern Service Area Frequency Management Office (FAA ESA FMO), Ben Phimsoutham, 404-305-6675, at least 24 hours in advance. The times for testing shall be at the discretion of the FAA ESA FMO and operations shall be suspended upon notification. All other testing will be conducted at least 186 km or 100 NM from the coast.
- (5) Subject to coordination with the Gulf Area Frequency Coordinator located at Eglin AFB, Florida, prior to use within the area bounded by 24 N 33 30'N and 83 W 90 W.
- (6) The pulse duration shall be 0.45 usec.
- (7) Stop Buzzers:
Bruce Cook 228-366-6153 (cell), 228-935-3254 (work)
Joseph James 228-366-6226 (cell), 228-935-1905 (work)