

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

EXPERIMENTAL

(Nature of Service)

WE2XMG

(Call Sign)

XC MO

(Class of Station)

0255-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: 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: 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 (+/-)
1030 MHz	MO		500 W (Output Power)	
		10M0M1D		
		18M0M1D		

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.
- (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 DTCG23-02-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.

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) Operations shall be restricted to 100 NM off shore. Mode-4 interrogations shall be limited to manually initiated interrogations. Interrogations are not to be manually initiated more than once per minute.
- (5) Testing of the AN/UPX-37 is to be conducted at least 186 km, or 100 NM, off shore. The AN/UPX-37 will not be used during transit neither to nor from the test location and will be turned off any time the National Security Cutter gets within 100 NM of shore. Testing of Mode-4 interrogation will be kept to an absolute minimum and is restricted to manually initiated interrogations only with at least one minute between interrogations.
- (6) 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.
- (7) This frequency assignment on 1030 MHz was coordinated prior to authorization with the FAA Southern Coordinator, Atlanta, Georgia. Use of the frequency or band under the authority of this assignment is subject to such further coordination with the FAA Southern Coordinator, Atlanta, Georgia, as necessary to ensure compatibility with existing uses.
- (8) The pulse durations shall be 0.8 usec and 0.5 usec.
The pulse repetition rate shall be 301.5 pps.
- (9) Stop Buzzers:
Bruce Cook 228-366-6153 (cell), 228-935-3254 (work)
Joseph James 228-366-6226 (cell), 228-935-1905 (work)