

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WC9XYT

(Call Sign)

0369-EX-ST-2007

(File Number)

NAME Northrop Grumman Ship Systems, Inc.

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:

Test and demonstrate equipment associated with the US Coast Guard's Deepwater Program under contract number DTCTG23-02-C-2DW001.

Station Locations

- (1) MOBILE: Northrop Grumman Pascagoula Operations, Pascagoula, Mississippi, within 240 km, centered around NL 30-20-44; WL 88-34-40

Frequency Information

MOBILE: Northrop Grumman Pascagoula Operations, Pascagoula, Mississippi, within 240 km, centered around NL 30-20-44; WL 88-34-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.15 MHz	MO	2K70J3E	660.693 W (ERP)	0.0001 %
4.7314 MHz	MO	3K10H3E 2K70B8E 300HA1A 3K10J2D 2K40F3C 8K00F3E	660.693 W (ERP)	7.0E-8 %

This authorization effective July 26, 2007 and
will expire 3:00 A.M. EST January 24, 2008

**FEDERAL
COMMUNICATIONS
COMMISSION**



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4.7314 MHz	MO	2K80J3E 300HF1B 2K80R3E	660.693 W (ERP)	7.0E-8 %
6.2 MHz	MO	3K10H3E 2K70B8E 300HA1A 3K10J2D 2K40F3C 8K00F3E 2K80J3E 300HF1B 2K80R3E	660.693 W (ERP)	7.0E-8 %
6.7104 MHz	MO	3K10H3E 2K70B8E 300HA1A 3K10J2D 2K40F3C 8K00F3E 2K80J3E 300HF1B 2K80R3E	660.693 W (ERP)	7.0E-8 %
8.1964 MHz	MO	3K10H3E 2K70B8E 300HA1A 3K10J2D 2K40F3C 8K00F3E 2K80J3E	660.693 W (ERP)	7.0E-8 %

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8.1964 MHz	MO	300HF1B 2K80R3E	660.693 W (ERP)	7.0E-8 %
8.2984 MHz	MO	3K10H3E 2K70B8E 300HA1A 3K10J2D 2K40F3C 8K00F3E 2K80J3E 300HF1B 2K80R3E	660.693 W (ERP)	7.0E-8 %
9.0374 MHz	MO	3K10H3E 2K70B8E 300HA1A 3K10J2D 2K40F3C 8K00F3E 2K80J3E 300HF1B 2K80R3E	660.693 W (ERP)	7.0E-8 %
11.1974 MHz	MO	3K10H3E 2K70B8E 300HA1A 3K10J2D 2K40F3C 8K00F3E 2K80J3E 300HF1B	660.693 W (ERP)	7.0E-8 %

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11.1974 MHz	MO	2K80R3E	660.693 W (ERP)	7.0E-8 %
12.2434 MHz	MO	3K10H3E 2K70B8E 300HA1A 3K10J2D 2K40F3C 8K00F3E 2K80J3E 300HF1B 2K80R3E	660.693 W (ERP)	7.0E-8 %
12.3544 MHz	MO	3K10H3E 2K70B8E 300HA1A 3K10J2D 2K40F3C 8K00F3E 2K80J3E 300HF1B 2K80R3E	660.693 W (ERP)	7.0E-8 %
16.3764 MHz	MO	3K10H3E 2K70B8E 300HA1A 3K10J2D 2K40F3C 8K00F3E 2K80J3E 300HF1B	660.693 W (ERP)	7.0E-8 %

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16.3764 MHz	MO	2K80R3E	660.693 W (ERP)	7.0E-8 %
16.5294 MHz	MO	3K10H3E 2K70B8E 300HA1A 3K10J2D 2K40F3C 8K00F3E 2K80J3E 300HF1B 2K80R3E	660.693 W (ERP)	7.0E-8 %
18.8164 MHz	MO	3K10H3E 2K70B8E 300HA1A 3K10J2D 2K40F3C 8K00F3E 2K80J3E 300HF1B 2K80R3E	660.693 W (ERP)	7.0E-8 %
22.0074 MHz	MO	3K10H3E 2K70B8E 300HA1A 3K10J2D 2K40F3C 8K00F3E 2K80J3E 300HF1B	660.693 W (ERP)	7.0E-8 %

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22.0074 MHz	MO	2K80R3E	660.693 W (ERP)	7.0E-8 %
22.1604 MHz	MO	3K10H3E 2K70B8E 300HA1A 3K10J2D 2K40F3C 8K00F3E 2K80J3E 300HF1B 2K80R3E	660.693 W (ERP)	7.0E-8 %
34.01 MHz	MO	21K2F1D 16K0F3E	53.475 W (ERP)	0.0002 %
41.21 MHz	MO	21K2F1D 16K0F3E	53.475 W (ERP)	0.0002 %
41.73 MHz	MO	21K2F1D 16K0F3E	53.475 W (ERP)	0.0002 %
41.75 MHz	MO	21K2F1D 16K0F3E	53.475 W (ERP)	0.0002 %
41.83 MHz	MO	21K2F1D 16K0F3E	53.475 W (ERP)	0.0002 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138.475 MHz	MO	8K00A3E 16K0F3E	44.881 W (ERP)	0.00025 %
139.975 MHz	MO	16K0F3E 8K40F1E	56.101 W (ERP)	0.00015 %
141.6125 MHz	MO	16K0F3E 21K2F1D 6K00A3E	56.101 W (ERP)	0.0002 %
149.2 MHz	MO	6K00A3E 16K0F3E	44.881 W (ERP)	0.00025 %
150.7 MHz	MO	10K4F3E 21K2F1D	56.101 W (ERP)	0.0002 %
150.725 MHz	MO	10K4F3E 21K2F1D	56.101 W (ERP)	0.0002 %
156 MHz	MO	16K0G3E 16K0F1D	56.101 W (ERP)	0.0005 %
156.95 MHz	MO	16K0F3E 16K0G3E	56.101 W (ERP)	0.0005 %

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156.95 MHz	MO	16K0F1D	56.101 W (ERP)	0.0005 %
161.975 MHz	MO	20K0F1D	20.3 W (ERP)	0.0003 %
162.025 MHz	MO	20K0F1D 14K2G2B	20.3 W (ERP)	0.0003 %
162.0375 MHz	MO	16K0F3E 16K0G3E	0.723 W (ERP)	0.00003 %
229.325 MHz	MO	6K00A3E 16K0F3E	44.881 W (ERP)	0.00025 %
242.65 MHz	MO	22K0A1E	17.952 W (ERP)	0.0002 %
275.1 MHz	MO	21K2F1D 22K0A1E 6K00A3E 16K0F3E	44.881 W (ERP)	0.00025 %
275.1 MHz	MO	16K0F3E 20K0F1E	56.101 W (ERP)	0.00025 %
303.25 MHz	MO	30K0G1D	398.107 W (ERP)	0.00001 %

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303.25 MHz	MO	25K0F1D 6K00A3E 60K0F2D 1K40A1B	398.107 W (ERP)	0.00001 %
389.3875 MHz	MO	15K6F1D 15K0F2D 16K0F3E 20K0F1E	3.155 W (ERP)	0.0001 %
389.4625 MHz	MO	15K6F1D 15K0F2D 16K0F3E 20K0F1E	3.155 W (ERP)	0.0001 %
389.5125 MHz	MO	15K6F1D 15K0F2D 16K0F3E 20K0F1E	3.155 W (ERP)	0.0001 %
389.7375 MHz	MO	15K6F1D 15K0F2D 16K0F3E 20K0F1E	3.155 W (ERP)	0.0001 %
389.8375 MHz	MO	15K6F1D 15K0F2D 16K0F3E	3.155 W (ERP)	0.0001 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
389.8375 MHz	MO	20K0F1E	3.155 W (ERP)	0.0001 %
389.9125 MHz	MO	15K6F1D 15K0F2D 16K0F3E 20K0F1E	3.155 W (ERP)	0.0001 %
389.9125 MHz	MO	15K6F1D 15K0F2D 16K0F3E 20K0F1E	3.155 W (ERP)	0.0001 %
395.1 MHz	MO	15K6F1D 15K0F2D 16K0F3E 20K0F1E	3.155 W (ERP)	0.0001 %
395.3 MHz	MO	15K6F1D 15K0F2D 16K0F3E 20K0F1E	3.155 W (ERP)	0.0001 %
395.5 MHz	MO	15K6F1D 15K0F2D 16K0F3E 20K0F1E	3.155 W (ERP)	0.0001 %

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395.675 MHz	MO	15K6F1D 15K0F2D 16K0F3E 20K0F1E	3.155 W (ERP)	0.0001 %
395.875 MHz	MO	15K6F1D 15K0F2D 16K0F3E 20K0F1E	3.155 W (ERP)	0.0001 %
397.125 MHz	MO	15K6F1D 15K0F2D 16K0F3E 20K0F1E	3.155 W (ERP)	0.0001 %
406.625 MHz	MO	21K2F1D 22K0A1E 6K00A3E 16K0F3E	44.881 W (ERP)	0.00025 %
406.825 MHz	MO	21K2F1D 22K0A1E 6K00A3E 16K0F3E	44.881 W (ERP)	0.00025 %
407.225 MHz	MO	21K2F1D 22K0A1E 6K00A3E	44.881 W (ERP)	0.0002 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
407.225 MHz	MO	16K0F3E	44.881 W (ERP)	0.0002 %
407.625 MHz	MO	21K2F1D 22K0A1E 6K00A3E 16K0F3E	44.881 W (ERP)	0.0002 %
410.125 MHz	MO	21K2F1D 22K0A1E 6K00A3E 16K0F3E	44.881 W (ERP)	0.0002 %
410.2875 MHz	MO	21K2F1D 22K0A1E 6K00A3E 16K0F3E	44.881 W (ERP)	0.0002 %
410.375 MHz	MO	21K2F1D 22K0A1E 6K00A3E 14K0F3E 16K0F3E	44.881 W (ERP)	0.0002 %
411.8125 MHz	MO	21K2F1D 22K0A1E 6K00A3E 16K0F3E	44.881 W (ERP)	0.0002 %

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411.8125 MHz	MO	20K0F1E	44.881 W (ERP)	0.0002 %
415.625 MHz	MO	21K2F1D 22K0A1E 6K00A3E 16K0F3E	44.881 W (ERP)	0.0002 %
415.825 MHz	MO	21K2F1D 22K0A1E 6K00A3E 14K0F3E 16K0F3E	44.881 W (ERP)	0.0002 %
416.225 MHz	MO	21K2F1D 22K0A1E 6K00A3E 16K0F3E	44.881 W (ERP)	0.0002 %
416.625 MHz	MO	21K2F1D 22K0A1E 6K00A3E 16K0F3E	44.881 W (ERP)	0.0002 %
807 MHz	MO	16K0F3E	195.147 W (ERP)	0.00025 %
962 MHz	MO	650KM1D	753.566 W (ERP)	0.002 %

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1213 MHz	MO	650KM1D	753.566 W (ERP)	0.002 %
3050 MHz	MO	67M5P0N	3022.27 W (ERP)	0.0098 %
9410 MHz	MO	72M5P0N	11228.8 W (ERP)	0.003 %
9.775 GHz	MO	10K0N0N	100.475 W (ERP)	0.0002 %

Special Conditions:

- (1) NTIA denies the following frequencies since they will cause interference to Federal operations or pose interference to flight safety: 140.475 MHz, 1030 MHz and 1090 MHz.
- (2) One of the stop buzzer point-of-contacts, Bruce Cook cell (228) 366-6153 or Joe James cell (228) 366-6226, must be present during all testing.
- (3) Use of the frequency 16529.4 kHz is only allowed after coordination with the Navy Pascagoula Ship Yard, Chuck Bardsley, (228) 769-4700.
- (4) Use of wideband emissions (16K0F3E) in the bands 138-144 MHz, 162-174 MHz or 406-420 MHz do not meet NTIA allowed emissions and maybe denied when requesting a GMF authorization.