

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WE2XSG

(Call Sign)

0230-EX-RR-2013

(File Number)

NAME Huntington Ingalls Industries, 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(c) of the Commission's Rules

Station Locations

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

Frequency Information

MOBILE: On NSC within 240 km of 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<br>2K70B8E<br>300HA1A<br>3K10J2D<br>2K40F3C<br>2K80J3E<br>300HF1B<br>2K80R3E | 660.693 W (ERP)  | 7.0E-8 %                  |

This authorization effective July 01, 2013 and  
will expire 3:00 A.M. EST August 01, 2018

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: On NSC within 240 km of 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 (+/-) |
|------------|---------------|--------------------------------------------------------------------------------------|------------------|---------------------------|
| 6.2 MHz    | MO            | 3K10H3E<br>2K70B8E<br>300HA1A<br>3K10J2D<br>2K40F3C<br>2K80J3E<br>300HF1B<br>2K80R3E | 660.693 W (ERP)  | 7.0E-8 %                  |
| 6.7104 MHz | MO            | 3K10H3E<br>2K70B8E<br>300HA1A<br>3K10J2D<br>2K40F3C<br>2K80J3E<br>300HF1B<br>2K80R3E | 660.693 W (ERP)  | 7.0E-8 %                  |
| 8.1964 MHz | MO            | 3K10H3E<br>2K70B8E<br>300HA1A<br>3K10J2D<br>2K40F3C<br>2K80J3E<br>300HF1B<br>2K80R3E | 660.693 W (ERP)  | 7.0E-8 %                  |
| 8.2984 MHz | MO            | 2K40F3C<br>2K80J3E<br>300HF1B<br>2K80R3E<br>3K10H3E                                  | 660.693 W (ERP)  | 7.0E-8 %                  |

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|-------------|---------------|--------------------------------------------------------------------------------------|------------------|---------------------------|
| 8.2984 MHz  | MO            | 2K70B8E<br>300HA1A<br>3K10J2D                                                        | 660.693 W (ERP)  | 7.0E-8 %                  |
| 9.0374 MHz  | MO            | 3K10H3E<br>2K70B8E<br>300HA1A<br>3K10J2D<br>2K40F3C<br>2K80J3E<br>300HF1B<br>2K80R3E | 660.693 W (ERP)  | 7.0E-8 %                  |
| 11.1974 MHz | MO            | 3K10H3E<br>2K70B8E<br>300HA1A<br>3K10J2D<br>2K40F3C<br>2K80J3E<br>300HF1B<br>2K80R3E | 660.693 W (ERP)  | 7.0E-8 %                  |
| 12.2434 MHz | MO            | 3K10H3E<br>2K70B8E<br>300HA1A<br>3K10J2D<br>2K40F3C<br>2K80J3E<br>300HF1B<br>2K80R3E | 660.693 W (ERP)  | 7.0E-8 %                  |

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|-------------|---------------|--------------------------------------------------------------------------------------|------------------|---------------------------|
| 12.3544 MHz | MO            | 3K10H3E<br>2K70B8E<br>300HA1A<br>3K10J2D<br>2K40F3C<br>2K80J3E<br>300HF1B<br>2K80R3E | 660.693 W (ERP)  | 7.0E-8 %                  |
| 16.3764 MHz | MO            | 3K10H3E<br>2K70B8E<br>300HA1A<br>3K10J2D<br>2K40F3C<br>2K80J3E<br>300HF1B<br>2K80R3E | 660.693 W (ERP)  | 7.0E-8 %                  |
| 16.5294 MHz | MO            | 300HF1B<br>2K80R3E<br>3K10H3E<br>2K70B8E<br>300HA1A<br>3K10J2D<br>2K40F3C<br>2K80J3E | 660.693 W (ERP)  | 7.0E-8 %                  |
| 18.8164 MHz | MO            | 3K10H3E<br>2K70B8E<br>300HA1A<br>3K10J2D<br>2K40F3C                                  | 660.693 W (ERP)  | 7.0E-8 %                  |

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|-------------|---------------|--------------------------------------------------------------------------------------|------------------|---------------------------|
| 18.8164 MHz | MO            | 2K80J3E<br>300HF1B<br>2K80R3E                                                        | 660.693 W (ERP)  | 7.0E-8 %                  |
| 22.0074 MHz | MO            | 3K10H3E<br>2K70B8E<br>300HA1A<br>3K10J2D<br>2K40F3C<br>2K80J3E<br>300HF1B<br>2K80R3E | 660.693 W (ERP)  | 7.0E-8 %                  |
| 22.1604 MHz | MO            | 3K10H3E<br>2K70B8E<br>300HA1A<br>3K10J2D<br>2K40F3C<br>2K80J3E<br>300HF1B<br>2K80R3E | 660.693 W (ERP)  | 7.0E-8 %                  |
| 34.01 MHz   | MO            | 16K0F3E                                                                              | 53.475 W (ERP)   | 0.0002 %                  |
| 41.21 MHz   | MO            | 16K0F3E                                                                              | 53.475 W (ERP)   | 0.0002 %                  |
| 41.73 MHz   | MO            | 16K0F3E                                                                              | 53.475 W (ERP)   | 0.0002 %                  |

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|--------------|---------------|-------------------------------|------------------|---------------------------|
| 41.75 MHz    | MO            | 16K0F3E                       | 53.475 W (ERP)   | 0.0002 %                  |
| 41.83 MHz    | MO            | 16K0F3E                       | 53.475 W (ERP)   | 0.0002 %                  |
| 139.975 MHz  | MO            | 11K0F3E<br>8K10F1E            | 56.101 W (ERP)   | 0.00015 %                 |
| 141.6125 MHz | MO            | 11K0F3E<br>8K10F1E            | 56.101 W (ERP)   | 0.0002 %                  |
| 156 MHz      | MO            | 16K0G3E<br>16K0F1D            | 56.101 W (ERP)   | 0.0005 %                  |
| 156.95 MHz   | MO            | 16K0F3E<br>16K0G3E<br>16K0F1D | 56.101 W (ERP)   | 0.0005 %                  |
| 156.95 MHz   | MO            | 16K0G3E<br>16K0F3E            | 0.723 W (ERP)    | 0.00003 %                 |
| 161.975 MHz  | MO            | 20K0F1D                       | 20.3 W (ERP)     | 0.0003 %                  |
| 162.025 MHz  | MO            | 20K0F1D                       | 20.3 W (ERP)     | 0.0003 %                  |

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|--------------|---------------|------------------------------------------|------------------|---------------------------|
| 275.1 MHz    | MO            | 25K0A1E                                  | 44.881 W (ERP)   | 0.00025 %                 |
| 389.3875 MHz | MO            | 10K0F2D<br>11K0F3E<br>8K50F1E<br>8K50F1D | 0.02 W (ERP)     | 0.0001 %                  |
| 389.4625 MHz | MO            | 11K0F3E<br>8K50F1E<br>10K0F2E<br>8K50F1D | 0.02 W (ERP)     | 0.0001 %                  |
| 389.5125 MHz | MO            | 11K0F3E<br>10K0F2D<br>8K00F1D<br>8K00F1E | 3.155 W (ERP)    | 0.0001 %                  |
| 389.7375 MHz | MO            | 8K50F1D<br>10K0F2D<br>11K0F3E<br>8K50F1E | 0.02 W (ERP)     | 0.0001 %                  |
| 389.8375 MHz | MO            | 8K50F1D<br>10K0F2D<br>11K0F3E<br>8K50F1E | 0.02 W (ERP)     | 0.0001 %                  |

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|--------------|---------------|------------------------------------------|------------------|---------------------------|
| 389.9125 MHz | MO            | 8K50F1D<br>10K0F2D<br>11K0F3E<br>8K50F1E | 0.02 W (ERP)     | 0.0001 %                  |
| 395.1 MHz    | MO            | 8K50F1D<br>10K0F2D<br>11K0F3E<br>8K50F1E | 0.02 W (ERP)     | 0.0001 %                  |
| 395.3 MHz    | MO            | 8K50F1D<br>10K0F2D<br>11K0F3E<br>8K50F1E | 0.02 W (ERP)     | 0.0001 %                  |
| 395.5 MHz    | MO            | 10K0F2D<br>11K0F3E<br>8K50F1E<br>8K50F1D | 0.02 W (ERP)     | 0.0001 %                  |
| 395.675 MHz  | MO            | 8K50F1D<br>10K0F2D<br>11K0F3E<br>8K50F1E | 0.02 W (ERP)     | 0.0001 %                  |
| 395.875 MHz  | MO            | 8K50F1D<br>10K0F2D<br>11K0F3E            | 0.02 W (ERP)     | 0.0001 %                  |

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|--------------|---------------|------------------------------------------|------------------|---------------------------|
| 395.875 MHz  | MO            | 8K50F1E                                  | 0.02 W (ERP)     | 0.0001 %                  |
| 397.125 MHz  | MO            | 8K50F1D<br>10K0F2D<br>11K0F3E<br>8K50F1E | 0.02 W (ERP)     | 0.0001 %                  |
| 406.625 MHz  | MO            | 11K0F3E                                  | 44.881 W (ERP)   | 0.00025 %                 |
| 406.825 MHz  | MO            | 11K0F3E<br>8K10F1E                       | 44.881 W (ERP)   | 0.00025 %                 |
| 407.225 MHz  | MO            | 11K0F3E<br>8K10F1E                       | 44.881 W (ERP)   | 0.0002 %                  |
| 407.625 MHz  | MO            | 11K0F3E<br>8K10F1E                       | 44.881 W (ERP)   | 0.0002 %                  |
| 410.125 MHz  | MO            | 11K0F3E<br>8K10F1E                       | 44.881 W (ERP)   | 0.0002 %                  |
| 410.2875 MHz | MO            | 11K0F3E<br>8K10F1E                       | 44.881 W (ERP)   | 0.0002 %                  |

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|--------------|---------------|---------------------|------------------|---------------------------|
| 410.375 MHz  | MO            | 11K0F3E<br>8K10F1E  | 44.881 W (ERP)   | 0.0002 %                  |
| 411.8125 MHz | MO            | 8K10F1E<br>11K0F3E  | 44.881 W (ERP)   | 0.0002 %                  |
| 415.625 MHz  | MO            | 11K0F3E<br>8K10F1E  | 44.881 W (ERP)   | 0.0002 %                  |
| 415.825 MHz  | MO            | 11K0F3E<br>8K10F1E  | 44.881 W (ERP)   | 0.0002 %                  |
| 416.225 MHz  | MO            | 11K0F3E<br>8K10F1E  | 44.881 W (ERP)   | 0.0002 %                  |
| 416.625 MHz  | MO            | 8K10F1E<br>11K0F3E  | 44.881 W (ERP)   | 0.0002 %                  |
| 3050 MHz     | MO            | 67M5P0N             | 3022.27 W (ERP)  | 0.0098 %                  |
| 9410 MHz     | MO            | 72M5P0N             | 11228.8 W (ERP)  | 0.003 %                   |
| 9.775 GHz    | MO            | N0N                 | 100.475 W (ERP)  | 0.0002 %                  |

**Special Conditions:**

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) One of the stop buzzer point-of-contacts, William F. Johnson cell (228) 366-7367 or Arthur (Tom) Spiers cell (228) 366-7314, must be present during all testing.
- (3) Operation is subject to prior coordination with the United States Navy, Pascagoula Ship Yard, Mr. Chuck Bardsley at (228) 769-4700.
- (4) 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.
- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Coast Guard contract HSCG23-11-C-2DB043. 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.
- (6) Operations on 139.975 MHz are subject to immediate adjustment, including cessation, if they result in harmful interference to USCG operations.
- (7) Operations on 3050 MHz are subject to immediate adjustment, including cessation, if they result in harmful interference to USAF operations.
- (8) Operations on 9040 MHz are subject to immediate adjustment, including cessation, if they result in harmful interference to USN operations.
- (9) This authorization SUPERSEDES the previously issued authorization with the same call sign and file number: corrects Special Conditions 2 & 5.