

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

EXPERIMENTAL

(Nature of Service)

WJ9XKJ

(Call Sign)

XT MO

(Class of Station)

0179-EX-ST-2016

(File Number)

NAME Lockheed Martin Corporation

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:**

Launch vehicle communications, for commercial space launch mission from Space Launch Complex 3 (SLC-3) at Vandenberg Air Force Base in California.

**Station Locations**

- (1) MOBILE: Launch Vehicle -- Orbital Trajectory, centered around NL 34-38-25; WL 120-35-22

**Frequency Information**

MOBILE: Launch Vehicle -- Orbital Trajectory, centered around NL 34-38-25; WL 120-35-22

| Frequency  | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------|------------------|---------------------------|
| 2211 MHz   | MO            | 6M40G7D             | 59.1 W (ERP)     | 0.002 %                   |
| 2211 MHz   | MO            | 1M02G1D             | 102.7 W (ERP)    | 0.002 %                   |
| 2287.5 MHz | MO            | 161KG2D             | 6.9 W (ERP)      | 0.002 %                   |

This authorization effective April 20, 2016 and  
will expire 3:00 A.M. EST October 21, 2016

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (1) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (2) All Lockheed Martin operations granted on an experimental basis shall be on an unprotected, non-interference basis to authorized users.
- (3) This STA is limited to the ground signal testing and a single launch and deployment of DigitalGlobe's WorldView-4 satellite (WV-4) currently scheduled for 15 September 2016. This STA will expire as soon as the launch has been completed or by October 20, 2016, whichever occurs first. Any future launches will need to submit applications to the FCC to be reCOORDINATED with NTIA.
- (4) Lockheed Martin shall submit operational plans, to include planned launch date/time/window, planned trajectories (1st and 2nd stages), and transmission start/end time/receiving stations from lift off through end of transmission for both 1st and 2nd stage rockets, to the following:
  - a. At least 60-days prior to planned launch, to the Naval Surface Warfare Center, Dahlgren Division (NSWCDD), Mr. James Moneyhon (540)653-3744, or james.moneyhon@navy.mil, for assessment, identification of potential conflicts with Navy and Marine Corps operations, and requirements that may be required to mitigate harmful interference. Lockheed Martin must also comply with all restrictions levied by NSWCDD, including blackout zones.
  - b. Not later than 14 days prior to planned launch date, to:  
Mark Hodge, Mark.W.Hodge@nasa.gov, 661-276-7528 NASA Armstrong SMO  
Scott Galbraith, Vincent.s.galbraith@nasa.gov 301-286-5089, NASA GSFC  
Cathy Sham, Catherine.c.sham@nasa.gov ,281-483-0124, NASA JSC  
In the event of last minute changes, a 48-hour notice is required.