Jennifer Warren, 2121 Crystal Drive, Suite 100, Arlington, VA 22202

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL	WH9XIP
(Nature of Service)	(Call Sign)
XT FX MO	0195-EX-ST-2014
(Class of Station)	(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 3E (SLC-3E) at Vandenberg Air Force Base in California.

Station Locations
(1) MOBILE: Santa Barbara, CA, centered around NL 34-38-25; WL 120-35-22
(2) Lompoc (SANTA BARBARA), CA - NL 34-38-25; WL 120-35-22

Frequency Information

MOBILE: Santa Barbara, CA, centered around NL 34-38-25; WL 120-35-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2208-2214 MHz	MO	6M00G7D	35.1 W (ERP)	
2210.4-2211.6 MHz	MO	1M20G1D	35.1 W (ERP)	

This authorization effective May 01, 2014 and
will expire 3:00 A.M. EST August 14, 2014

FEDERAL COMMUNICATIONS COMMISSION

Frequency Information

Lompoc (SANTA BARBARA), CA - NL 34-38-25; WL 120-35-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2208-2214 MHz	FX	6M00G7D	35.1 W (ERP)	
2210.4-2211.6 MHz	FX	1M20G1D	35.1 W (ERP)	

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) All Lockheed Martin operations granted on an experimental basis shall be on an unprotected, noninterference basis to authorized federal stations.

(3) This STA is limited to the signal testing and single launch scheduled for no earlier than May 1, 2014, to support the launch and deployment of DigitalGlobe's WorldView-3 satellite (WV-3). This STA will expire as soon as the launch has been completed or by August 13, 2014, whichever occurs first. Any future launches will need to submit applications to the FCC to be re-coordinated with NTIA.

(4) Lockheed Martin shall be aware that future non-federal launches will be considered on a case-by-case basis, especially for requests in the band 2200-2290 MHz, and Lockheed Martin shall have no expectations that future launches will be approved.

(5) As soon as possible, but no later than seven days prior to the planned testing and launch, Lockheed Martin is required to provide Mr. Jimmy Nguyen (jimmy.nguyen@us.af.mil, (301-225- 3729), Air Force Spectrum Management Office (AFSMO), Rich Rood (richard.l.rood@nasa.gov, 661-276-2138, NASA Dryden SMO), Farzin Manshadi (farzin.manshadi@jpl.nasa.gov, 818-354-0068, NASA JPL/DSN SMO), Scott Galbraith (vincent.s.galbraith@nasa.gov, 301-286-5089, NASA GSFC SMO), the NOAA Satellite Operations Control Center (SOCC) Shift Supervisor (301) 817-4198 with the planned launch date/time/window/duration. In the event of last minute changes, 48 hour notice is requested.

(6) Prior to operating at Vandenberg Air Force Base in California, Lockheed Martin shall ensure proper Universal Documentation System (UDS) documentation is established to support their operations and send a letter to 2 ROPS/DOS officially appointing schedulers to interface with the Western Range Scheduling Office. After this documentation is in place, Lockheed Martin schedulers can coordinate and schedule operations by contacting the Western Range Scheduling Office, 2 ROPS/DOS, at 2ROPS.DOS@us.af.mil or (805) 606-8825, Steven Schindler (steven.f.schindler@nasa.gov, 321-867-2520, NASA KSC SMO), and Scott Galbraith (vincent.s.galbraith@nasa.gov, 301-286-5089, NASA GSFC SMO)

(7) The STOP BUZZER POC information, for launch operations shall be provided to NTIA (bmitchell@ntia.doc.gov). This phone shall be manned 24/7.

(8) All transmissions in the band 2200-2290 MHz will comply with national and international power flux density limits.

Special Conditions:

(9) Lockheed Martin shall keep a log of all transmissions in the band 2200-2290 MHz that would be provided to NTIA after the mission. This log should include at least date, time, frequency, EIRP density, and pointing direction of the antenna. The log should be provided to the following people at NTIA: bmitchell@ntia.doc.gov and edrocella@ntia.doc.gov.

(10) Lockheed Martin must coordinate with the Naval Surface Warfare Center, Dahlgren Division (NSWCDD), Mr. James Moneyhon (540)653-3477, or james.moneyhon@navy.mil a minimum of 30-days prior to any operations to mitigate harmful interference to Navy and Marine Corps operations. Lockheed Martin must also comply with any and all restrictions that may be levied by the Naval Surface Warfare Center, Dahlgren Division (NSWCDD).