

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WC9XIG

(Call Sign)

0129-EX-ST-2006

(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:

Remote control and monitoring of the Advanced Development Unmanned Underwater Vehicle (ADUUV).

Station Locations

- (1) MOBILE: Riviera Beach, FL, 1.5 mile radius, eastern half circle only, within 2.42 km, centered around NL 26-46-40; WL 80-03-05
- (2) MOBILE: West Palm Beach, FL, within 1000 feet radius of coordinates, within 0.31 km, centered around NL 26-45-45; WL 80-05-58
- (3) MOBILE: Off the coast of West Palm Beach and Palm Beach, FL, in an area bounded by (265548N, 0795542W), (265548N, 0800212W), (263130N, 0775542W), (263130N, 0800230W).

Frequency Information

MOBILE: Riviera Beach, FL, 1.5 mile radius, eastern half circle only, within 2.42 km, centered around NL 26-46-40; WL 80-03-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.412 GHz	MO	22M0D8D	79.4 W (ERP)	

This authorization effective April 03, 2006 and
will expire 3:00 A.M. EST October 04, 2006

**FEDERAL
COMMUNICATIONS
COMMISSION**

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.417 GHz	MO	22M0D8D	79.4 W (ERP)	
2.422 GHz	MO	22M0D8D	79.4 W (ERP)	
2.427 GHz	MO	22M0D8D	79.4 W (ERP)	
2.432 GHz	MO	22M0D8D	79.4 W (ERP)	
2.437 GHz	MO	22M0D8D	79.4 W (ERP)	
2.442 GHz	MO	22M0D8D	79.4 W (ERP)	
2.447 GHz	MO	22M0D8D	79.4 W (ERP)	
2.452 GHz	MO	22M0D8D	79.4 W (ERP)	
2.457 GHz	MO	22M0D8D	79.4 W (ERP)	
2.462 GHz	MO	22M0D8D	79.4 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.412 GHz	MO	22M0D8D	79.4 W (ERP)	
2.417 GHz	MO	22M0D8D	79.4 W (ERP)	
2.422 GHz	MO	22M0D8D	79.4 W (ERP)	
2.427 GHz	MO	22M0D8D	79.4 W (ERP)	
2.432 GHz	MO	22M0D8D	79.4 W (ERP)	
2.437 GHz	MO	22M0D8D	79.4 W (ERP)	
2.442 GHz	MO	22M0D8D	79.4 W (ERP)	
2.447 GHz	MO	22M0D8D	79.4 W (ERP)	
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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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MOBILE: Off the coast of West Palm Beach and Palm Beach, FL, in an area bounded by (265548N, 0795542W), (265548N, 0800212W), (263130N, 0775542W), (263130N, 0800230W).

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2.417 GHz	MO	22M0D8D	79.4 W (ERP)	
2.422 GHz	MO	22M0D8D	79.4 W (ERP)	
2.427 GHz	MO	22M0D8D	79.4 W (ERP)	
2.432 GHz	MO	22M0D8D	79.4 W (ERP)	
2.437 GHz	MO	22M0D8D	79.4 W (ERP)	
2.442 GHz	MO	22M0D8D	79.4 W (ERP)	
2.447 GHz	MO	22M0D8D	79.4 W (ERP)	

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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) Three days prior coordination with the DOD Eastern Area Frequency Coordinator, phone number (407) 494-5837, is required.
- (3) NTIA requests that Lockheed Martin advises their DOD customer that this system needs NTIA/SPS review and that Lockheed Martin contacts the Navy SPS Representative, Mr. Quan Vu, at (703) 325-2865.
- (4) Government use of this band using high power may not be licensed in the future if it causes interference to FCC Public systems.
- (5) The requested 2.4 GHz band includes 802.11A and G Bluetooth uses and Lockheed Martin needs to ensure that the high power does not cause interference to the public.
- (6) Operation is subject to prior coordination existing point-to-point microwave users within 100 km of the areas above in accordance with 47 CFR Part 101.103(d) for use of the frequencies between 2450 and 2484 MHz.
- (7) Lockheed Martin Corp and the Navy contracting office need to be aware that using these frequencies (802.11b band) with this power will cause interference if operated over land to 802.11b systems.
- (8) Use of this system within the United States after testing may be impossible if the frequencies are not changed.
- (9) Due to auxiliary broadcast stations within 100 km of the areas above, operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.