

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

EXPERIMENTAL

(Nature of Service)

WE2XYY

(Call Sign)

XD FX MO

(Class of Station)

0183-EX-ST-2009

(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:

To determine range and antenna beam pattern over water and in a representative urban environment in order to characterize expected MUOS performance.

Station Locations

- (1) China Lake (KERN), CA - NL 35-39-19; WL 117-39-36; MOBILE: China Lake (KERN), CA, within 7 km
- (2) China Lake (KERN), CA - NL 35-36-20; WL 117-39-33; MOBILE: China Lake (KERN), CA, within 7 km
- (3) China Lake/Echo Range (SAN BERNARDINO), CA - NL 35-32-51; WL 117-15-33; MOBILE: China Lake/Echo Range (CA), within 15 km

Frequency Information

China Lake (KERN), CA - NL 35-39-19; WL 117-39-36; MOBILE: China Lake (KERN), CA, within 7 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1922.4-1927.4 MHz	MO	5M00F8W	2 W (ERP)	
2112.4-2117.4 MHz	FX	5M00F8W	99 W (ERP)	

This authorization effective July 01, 2009 and
will expire 3:00 A.M. EST August 01, 2009

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

China Lake (KERN), CA - NL 35-36-20; WL 117-39-33; MOBILE: China Lake (KERN), CA, within 7 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1922.4-1927.4 MHz	MO	5M00F8W	2 W (ERP)	
2112.4-2117.4 MHz	FX	5M00F8W	99 W (ERP)	

China Lake/Echo Range (SAN BERNARDINO), CA - NL 35-32-51; WL 117-15-33; MOBILE: China Lake/Echo Range (CA), w

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1922.4-1927.4 MHz	MO	5M00F8W	2 W (ERP)	
2112.4-2117.4 MHz	FX	5M00F8W	99 W (ERP)	

Special Conditions:

- (1) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (2) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (3) 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.
- (4) Operation is subject to prior coordination with affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (5) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (6) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.