

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WA2XSX

(Call Sign)

0166-EX-ST-2003

(File Number)

NAME Lockheed Martin Corp.

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:

These new tests are to continue our attempts to determine the nature of the anomaly, in an effort to resolve any potential problems with the equipment during actual operations.

Station Locations

- (1) MOBILE: Area of operations within 50 Km of test facilities located at Antenna Products Corporation, Mineral Wells, TX, within 50 km, centered around NL 32-50-00; WL 98-03-06

Frequency Information

MOBILE: Area of operations within 50 Km of test facilities located at Antenna Products Corporation, Mineral Wells, TX, within 50 km, centered around NL 32-50-00; WL 98-03-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30-32.5 MHz	MO	25K0G1D	630 W (ERP)	
30-32.5 MHz	MO	25K0F1D	630 W (ERP)	
32.5-37.5 MHz	MO	25K0G1D	630 W (ERP)	
32.5-37.5 MHz	MO	25K0F1D	630 W (ERP)	
1708 MHz	MO	16M0G1D	700 W (ERP)	
1708 MHz	MO	25K0G1D	700 W (ERP)	
1708 MHz	MO	25K0F1D	700 W (ERP)	
1716 MHz	MO	16M0G1D	700 W (ERP)	
1716 MHz	MO	25K0G1D	700 W (ERP)	
1716 MHz	MO	25K0F1D	700 W (ERP)	

This authorization effective May 15, 2003 and
will expire 3:00 A.M. EST July 16, 2003

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Area of operations within 50 Km of test facilities located at Antenna Products Corporation, Mineral Wells, TX, within 50 km, centered around NL 32-50-00; WL 98-03-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1724 MHz	MO	16M0G1D	700 W (ERP)	
1724 MHz	MO	25K0G1D	700 W (ERP)	
1724 MHz	MO	25K0F1D	700 W (ERP)	
1732 MHz	MO	16M0G1D	700 W (ERP)	
1732 MHz	MO	25K0G1D	700 W (ERP)	
1732 MHz	MO	25K0F1D	700 W (ERP)	
1740 MHz	MO	16M0G1D	700 W (ERP)	
1740 MHz	MO	25K0G1D	700 W (ERP)	
1740 MHz	MO	25K0F1D	700 W (ERP)	
1748 MHz	MO	16M0G1D	700 W (ERP)	
1748 MHz	MO	25K0G1D	700 W (ERP)	
1748 MHz	MO	25K0F1D	700 W (ERP)	
1756 MHz	MO	16M0G1D	700 W (ERP)	
1756 MHz	MO	25K0G1D	700 W (ERP)	
1756 MHz	MO	25K0F1D	700 W (ERP)	
1764 MHz	MO	16M0G1D	700 W (ERP)	
1764 MHz	MO	25K0G1D	700 W (ERP)	
1764 MHz	MO	25K0F1D	700 W (ERP)	
1772 MHz	MO	16M0G1D	700 W (ERP)	
1772 MHz	MO	25K0G1D	700 W (ERP)	
1772 MHz	MO	25K0F1D	700 W (ERP)	
1780 MHz	MO	16M0G1D	700 W (ERP)	
1780 MHz	MO	25K0G1D	700 W (ERP)	
1780 MHz	MO	25K0F1D	700 W (ERP)	
1788 MHz	MO	16M0G1D	700 W (ERP)	
1788 MHz	MO	25K0G1D	700 W (ERP)	
1788 MHz	MO	25K0F1D	700 W (ERP)	
1789 MHz	MO	16M0G1D	700 W (ERP)	
1789 MHz	MO	25K0G1D	700 W (ERP)	
1789 MHz	MO	25K0F1D	700 W (ERP)	
1796 MHz	MO	16M0G1D	700 W (ERP)	
1796 MHz	MO	25K0G1D	700 W (ERP)	
1796 MHz	MO	25K0F1D	700 W (ERP)	
1804 MHz	MO	16M0G1D	700 W (ERP)	
1804 MHz	MO	25K0G1D	700 W (ERP)	
1804 MHz	MO	25K0F1D	700 W (ERP)	
1809 MHz	MO	25K0G1D	700 W (ERP)	
1809 MHz	MO	25K0F1D	700 W (ERP)	
1809 MHz	MO	16M0G1D	700 W (ERP)	

Frequency Information

MOBILE: Area of operations within 50 Km of test facilities located at Antenna Products Corporation, Mineral Wells, TX, within 50 km, centered around NL 32-50-00; WL 98-03-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1812 MHz	MO	16M0G1D	700 W (ERP)	
1812 MHz	MO	25K0G1D	700 W (ERP)	
1812 MHz	MO	25K0F1D	700 W (ERP)	
1820 MHz	MO	16M0G1D	700 W (ERP)	
1820 MHz	MO	25K0G1D	700 W (ERP)	
1820 MHz	MO	25K0F1D	700 W (ERP)	
1828 MHz	MO	16M0G1D	700 W (ERP)	
1828 MHz	MO	25K0G1D	700 W (ERP)	
1828 MHz	MO	25K0F1D	700 W (ERP)	
1836 MHz	MO	16M0G1D	700 W (ERP)	
1836 MHz	MO	25K0G1D	700 W (ERP)	
1836 MHz	MO	25K0F1D	700 W (ERP)	
1844 MHz	MO	16M0G1D	700 W (ERP)	
1844 MHz	MO	25K0G1D	700 W (ERP)	
1844 MHz	MO	25K0F1D	700 W (ERP)	
1852 MHz	MO	16M0G1D	700 W (ERP)	
1852 MHz	MO	25K0G1D	700 W (ERP)	
1852 MHz	MO	25K0F1D	700 W (ERP)	
1860 MHz	MO	16M0G1D	700 W (ERP)	
1860 MHz	MO	25K0G1D	700 W (ERP)	
1860 MHz	MO	25K0F1D	700 W (ERP)	
1868 MHz	MO	16M0G1D	700 W (ERP)	
1868 MHz	MO	25K0G1D	700 W (ERP)	
1868 MHz	MO	25K0F1D	700 W (ERP)	
1876 MHz	MO	16M0G1D	700 W (ERP)	
1876 MHz	MO	25K0G1D	700 W (ERP)	
1876 MHz	MO	25K0F1D	700 W (ERP)	
1884 MHz	MO	16M0G1D	700 W (ERP)	
1884 MHz	MO	25K0G1D	700 W (ERP)	
1884 MHz	MO	25K0F1D	700 W (ERP)	
1892 MHz	MO	16M0G1D	700 W (ERP)	
1892 MHz	MO	25K0F1D	700 W (ERP)	
1892 MHz	MO	25K0G1D	700 W (ERP)	
1900 MHz	MO	16M0G1D	700 W (ERP)	
1900 MHz	MO	25K0G1D	700 W (ERP)	
1900 MHz	MO	25K0F1D	700 W (ERP)	
1908 MHz	MO	16M0G1D	700 W (ERP)	
1908 MHz	MO	25K0G1D	700 W (ERP)	
1908 MHz	MO	25K0F1D	700 W (ERP)	

Frequency Information

MOBILE: Area of operations within 50 Km of test facilities located at Antenna Products Corporation, Mineral Wells, TX, within 50 km, centered around NL 32-50-00; WL 98-03-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1916 MHz	MO	25K0G1D	700 W (ERP)	
1916 MHz	MO	25K0F1D	700 W (ERP)	
1916 MHz	MO	16M0G1D	700 W (ERP)	
1924 MHz	MO	16M0G1D	700 W (ERP)	
1924 MHz	MO	25K0G1D	700 W (ERP)	
1924 MHz	MO	25K0F1D	700 W (ERP)	
1932 MHz	MO	16M0G1D	700 W (ERP)	
1932 MHz	MO	25K0F1D	700 W (ERP)	
1932 MHz	MO	25K0G1D	700 W (ERP)	
1940 MHz	MO	16M0G1D	700 W (ERP)	
1940 MHz	MO	25K0G1D	700 W (ERP)	
1940 MHz	MO	25K0F1D	700 W (ERP)	
1948 MHz	MO	16M0G1D	700 W (ERP)	
1948 MHz	MO	25K0G1D	700 W (ERP)	
1948 MHz	MO	25K0F1D	700 W (ERP)	
1956 MHz	MO	25K0G1D	700 W (ERP)	
1956 MHz	MO	25K0F1D	700 W (ERP)	
1956 MHz	MO	16M0G1D	700 W (ERP)	
1964 MHz	MO	16M0G1D	700 W (ERP)	
1964 MHz	MO	25K0G1D	700 W (ERP)	
1964 MHz	MO	25K0F1D	700 W (ERP)	
1972 MHz	MO	16M0G1D	700 W (ERP)	
1972 MHz	MO	25K0F1D	700 W (ERP)	
1972 MHz	MO	25K0G1D	700 W (ERP)	
1980 MHz	MO	16M0G1D	700 W (ERP)	
1980 MHz	MO	25K0G1D	700 W (ERP)	
1980 MHz	MO	25K0F1D	700 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) 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.
- (4) Operation in the 1910-1930 MHz band requires coordination with UTAM, Inc. pursuant to Section 15.307 of the Commission's Rules.

Special Conditions:

- (5) 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.
- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Navy contract number N00024-96-C-6332. 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.