

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

EXPERIMENTAL

(Nature of Service)

XE MO

(Class of Station)

WB9XVO

(Call Sign)

0456-EX-ST-2004

(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:

Testing to verify correct transponder and interrogator operation of the AN/APX-113 AIFF system for the Block 60 aircraft.

Station Locations

- (1) MOBILE: States of AZ, AR, CA, LA, NM, OK, TX and within the two rectangles defined by 30 N, 98 W; 30 N, 94 W; 26, 30' N, 98 W; 26, 30' N, 94 W; and 30 N, 94 W; 30 N, 89 W; 28 N, 94 W; 28 N, 89 W.

Frequency Information

MOBILE: States of AZ, AR, CA, LA, NM, OK, TX and within the two rectangles defined by 30 N, 98 W; 30 N, 94 W; 26, 30' N, 98 W; 26, 30' N, 94 W; and 30 N, 94 W; 30 N, 89 W; 28 N, 94 W; 28 N, 89 W.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	MO	6M00M1D 7M50M1D	2500 W (ERP)	
1090 MHz	MO	7M00M1D 6M90M1D	500 W (ERP)	

This authorization effective August 13, 2004 and
will expire 3:00 A.M. EST February 11, 2005

**FEDERAL
COMMUNICATIONS
COMMISSION**



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) Use of 1030 MHz is only permitted east of 112 degrees West within the states and coordinates in the application, and the FAA concurs only under the following conditions:
 1. Interrogations on Modes 1, 2, 3A and 3C are confined to only those interrogations manually initiated by the pilot. Continuous airborne interrogations are not to be conducted. Each pilot initiated manual interrogation is limited to a maximum time of 10 seconds. A "dead" time of at least 30 seconds is to be allowed between interrogations.
 2. Transmissions while within the state of Arizona are only authorized east of 112 degrees West, and then only with emissions between 001 degrees and 180 degrees. Emissions oriented westward while in the state of Arizona are NOT AUTHORIZED.
 3. Mode-4 and Mode-S transmissions on 1030 MHz are NOT authorized. Testing of Mode-4 will need coordination separately from this authorization through the FCC and Major Cabala at the FAA, 202-267-8534. A much narrower scope of the test period, geographic area of the test, and any other information that will help the Mode-4 coordination process will be required at that time.
 4. This authorization is based on the condition that this equipment is confined for use overseas. Additional review/certification will be required if intended for sale/operation in the United States.
 5. Operations must be contained within the altitude, operational parameters, transmit power, emission designators, and geographic areas defined in the request except as outlined here.