

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

EXPERIMENTAL

(Nature of Service)

WB9XVO

(Call Sign)

XE MO

(Class of Station)

0483-EX-ST-2003

(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 AR, 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 AR, 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	2500 W (ERP)	
1030 MHz	MO	7M50M1D	2500 W (ERP)	
1090 MHz	MO	7M00M1D	500 W (ERP)	
1090 MHz	MO	6M90M1D	500 W (ERP)	

This authorization effective December 20, 2003 and
will expire 3:00 A.M. EST June 20, 2004

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:**(1) For use of 1030 MHz the following conditions must be met:**

1. No more than one aircraft can transmit on 1030 MHz during any test.
2. Transmissions are limited to burst/push to interrogate--no continuous interrogations.
3. Operations are confined to Modes 1, 2, 3A and 3C--no Mode-4 or Mode-5 transmissions are authorized under these Conditions.
4. The interrogating aircraft is limited to a maximum altitude of 25,000 feet when interrogating.
5. The PRF is not to exceed 200 interrogations per second and is only to be operated in a burst/push to interrogate configuration.

(2) Mode-4 operations will only be authorized on a limited, coordinated basis. Coordination with the either Tim Pawlowitz or Lt.Col Dorothea Biernesser is required at least two weeks prior to any Mode-4 test. They can be contacted at 202-267-9739 and 202-267-8584 respectively. Specific details will be required to be provided during the coordination process to include:

1. Date and time of test.
2. Flight path to include altitudes.
3. Antenna radiation pattern to include horizontal and vertical beamwidths, look down angle from the aircraft, and where the antenna is installed on the aircraft.
4. The direction that the aircraft intends to radiate.

Concurrence to these tests is with the understanding that this equipment will be limited to foreign military sales only, and not used within the United States.