

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

EXPERIMENTAL

(Nature of Service)

WE9XWH

(Call Sign)

XT MO

(Class of Station)

0243-EX-ST-2011

(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 test and analysis of ground moving targets with Synthetic Aperture Radar.

Station Locations

- (1) MOBILE: Goodyear [MARICOPA], AZ, within 185 km, centered around NL 33-26-06; WL 112-21-30
- (2) MOBILE: Hagerstown [WASHINGTON], MD, within 185 km, centered around NL 39-42-34; WL 77-44-05

Frequency Information

MOBILE: Goodyear [MARICOPA], AZ, within 185 km, centered around NL 33-26-06; WL 112-21-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.297-9.903 GHz	MO		5000 W (ERP)	
		605MF3N		
		181MF3N		
		67M0F3N		
		20M0F3N		
		10M0F3N		

This authorization effective April 24, 2011 and
will expire 3:00 A.M. EST October 25, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Hagerstown [WASHINGTON], MD, within 185 km, centered around NL 39-42-34; WL 77-44-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.297-9.903 GHz	MO	10M0F3N 20M0F3N 67M0F3N 181MF3N 605MF3N	5000 W (ERP)	

Special Conditions:

- (1) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Prior to the testing of the modified airborne transmitter, notch out the following frequencies:
 - a. 9310 MHz +/- 18 MHz
 - b. 9410 MHz +/- 22 MHz
 - c. 9415 MHz +/- 9 MHz
 - d. 9425 MHz +/- 6 MHz
 - e. 9445 MHz +/- 6 MHz
- (4) Coordinate with the Mid-Atlantic Area Frequency Coordinator, Mr. Mikel Ryan 301-342-1194/1532, mikel.ryan@navy.mil