

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

EXPERIMENTAL

(Nature of Service)

XC FX MO

(Class of Station)

WE9XHQ

(Call Sign)

0570-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:

The proposed TPS-77 radar and mobile test signals, operating while in fixed positions, are requested to support a USAF contract FA8217-09-C-0018.

Station Locations

- (1) Syracuse (ONONDAGA), NY - NL 43-06-43; WL 76-11-18; MOBILE: , within 1 km
- (2) E. Syracuse (ONONDAGA), NY - NL 43-05-20; WL 76-05-53; MOBILE: , within 1 km

Frequency Information

Syracuse (ONONDAGA), NY - NL 43-06-43; WL 76-11-18; MOBILE: , within 1 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1240-1400 MHz	FX	17M9Q7N	131 MW (ERP)	
1240-1400 MHz	MO	17M9Q7N	131 MW (ERP)	
1242.9-1253.4 MHz	FX	1M00W1W	1 W (ERP)	

This authorization effective April 01, 2010 and
will expire 3:00 A.M. EST October 02, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Syracuse (ONONDAGA), NY - NL 43-06-43; WL 76-11-18; MOBILE: , within 1 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1242.9-1253.4 MHz	MO	1M00W1W	1 W (ERP)	
1268.5 MHz	FX	24M0W1W	1 W (ERP)	
1268.5 MHz	MO	24M0W1W	1 W (ERP)	
1278.8 MHz	FX	40M0W1W	1 W (ERP)	
1278.8 MHz	MO	40M0W1W	1 W (ERP)	

E. Syracuse (ONONDAGA), NY - NL 43-05-20; WL 76-05-53; MOBILE: , within 1 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1240-1400 MHz	FX	17M9Q7N	131 MW (ERP)	
1240-1400 MHz	MO	17M9Q7N	131 MW (ERP)	
1242.9-1253.4 MHz	FX	1M00W1W	1 W (ERP)	
1242.9-1253.4 MHz	MO	1M00W1W	1 W (ERP)	

Frequency Information

E. Syracuse (ONONDAGA), NY - NL 43-05-20; WL 76-05-53; MOBILE: , within 1 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1268.5 MHz	FX	24M0W1W	1 W (ERP)	
1268.5 MHz	MO	24M0W1W	1 W (ERP)	
1278.8 MHz	FX	40M0W1W	1 W (ERP)	
1278.8 MHz	MO	40M0W1W	1 W (ERP)	

Special Conditions:

- (1) Subject to prior coordination with American Society for Healthcare Engineering of the American Hospital Association (ASHE/AHA): Dale Woodin, ASHE Advocacy Director; American Hospital Association, One North Franklin; Chicago, IL 60606; (312) 422-3812, (312) 422-4571 (fax), dwoodin@aha.org.
- (2) Assignment on 1030 MHz or in one of the bands 1215-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Eastern Coordinator, New York, NY. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Eastern Coordinator, New York, NY, as necessary to ensure compatibility with existing uses.
- (3) 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.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Air Force; contract number FA8217-09-C-0018. 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.
- (6) STA is restricted to non-IFF operations only. Any use of IFF frequencies must be additional coordinated with FAA HQ in Washington, D.C.
- (7) No operation permitted in 1215-1240 MHz band.

Special Conditions:

- (8) Primary Surveillance Radar (PSR):
TRANSMISSIONS ARE LIMITED TO THE DIRECTION OF 115-170 DEGREES
AND 195-210 DEGREES REFERENCED TO TRUE NORTH.
- height above ground of the focal point of the antenna:
PSR: (1) Syracuse: 21.4 m (70 feet)
PSR:(2) E.Syracuse: 5.5 m (18 feet)
-pulse width; Short Range (SR) and Long Range (LR) Sub-Pulse Pairs:
PSR: SR: 51.2 μ s
PSR: LR: 409.6 μ s
- (9) Test Signal: 1278.8 MHz +/-15MHz (Emission Designator 40M0W1W)
Test Signal: 1268.5MHz +/-12MHz (Emission Designator 24M0W1W)
Test Signal: 1242.9-1253.4MHz +/-10MHz (Emission Designator 1M0W1W)
TRANSMISSIONS ARE LIMITED TO THE DIRECTION OF 322 DEGREES AND 22
DEGREES REFERENCED TO TRUE NORTH.
- (10) This license SUPERSEDES the previously issued license with the same call sign
and file number: the FAA coordination parameters and restrictions.