

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WC9XTO

(Call Sign)

0706-EX-ST-2006

(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 calibrate wideband experimental radar antenna element.

Station Locations

- (1) Cazenovia (ONONDAGA), NY - NL 42-55-38; WL 75-55-32
- (2) Cazenovia (ONONDAGA), NY - NL 42-55-46; WL 75-53-18

Frequency Information

Cazenovia (ONONDAGA), NY - NL 42-55-38; WL 75-55-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.375 GHz	FX	N0N	0.01 W (ERP)	
0.425 GHz	FX	N0N	0.01 W (ERP)	
0.435 GHz	FX	N0N	0.02 W (ERP)	

This authorization effective October 28, 2006 and
will expire 3:00 A.M. EST December 03, 2006

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Cazenovia (ONONDAGA), NY - NL 42-55-38; WL 75-55-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.449 GHz	FX	N0N	0.02 W (ERP)	
0.5 GHz	FX	N0N	0.02 W (ERP)	
0.6 GHz	FX	N0N	0.03 W (ERP)	
0.7 GHz	FX	N0N	0.04 W (ERP)	
0.8 GHz	FX	N0N	0.05 W (ERP)	
0.89 GHz	FX	N0N	0.07 W (ERP)	
0.905 GHz	FX	N0N	0.07 W (ERP)	
0.92 GHz	FX	N0N	0.07 W (ERP)	
1.395 GHz	FX	N0N	0.02 W (ERP)	
1.434 GHz	FX	N0N	0.02 W (ERP)	

Frequency Information

Cazenovia (ONONDAGA), NY - NL 42-55-38; WL 75-55-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.565 GHz	FX	N0N	0.02 W (ERP)	
1.7 GHz	FX	N0N	0.03 W (ERP)	
2.6 GHz	FX	N0N	0.04 W (ERP)	
3.01 GHz	FX	N0N	0.05 W (ERP)	
3.1 GHz	FX	N0N	0.05 W (ERP)	
3.4 GHz	FX	N0N	0.06 W (ERP)	
3.7 GHz	FX	N0N	0.07 W (ERP)	
3.95 GHz	FX	N0N	0.08 W (ERP)	
4.2 GHz	FX	N0N	0.09 W (ERP)	
4.5 GHz	FX	N0N	0.11 W (ERP)	

Frequency Information

Cazenovia (ONONDAGA), NY - NL 42-55-38; WL 75-55-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.8 GHz	FX	N0N	0.12 W (ERP)	
5.258 GHz	FX	N0N	0.14 W (ERP)	
5.5 GHz	FX	N0N	0.16 W (ERP)	
5.8 GHz	FX	N0N	0.18 W (ERP)	

Cazenovia (ONONDAGA), NY - NL 42-55-46; WL 75-53-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.375 GHz	FX	N0N	16.5 W (ERP)	
0.425 GHz	FX	N0N	21.1 W (ERP)	
0.435 GHz	FX	N0N	22.1 W (ERP)	
0.5 GHz	FX	N0N	29.3 W (ERP)	
0.6 GHz	FX	N0N	42.1 W (ERP)	

Frequency Information

Cazenovia (ONONDAGA), NY - NL 42-55-46; WL 75-53-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.7 GHz	FX	N0N	57.3 W (ERP)	
0.8 GHz	FX	N0N	74.9 W (ERP)	
0.89 GHz	FX	N0N	92.7 W (ERP)	
0.905 GHz	FX	N0N	95.8 W (ERP)	
0.92 GHz	FX	N0N	99 W (ERP)	
1.395 GHz	FX	N0N	25.6 W (ERP)	
1.434 GHz	FX	N0N	28.8 W (ERP)	
1.565 GHz	FX	N0N	32.2 W (ERP)	
1.7 GHz	FX	N0N	37.9 W (ERP)	
2.6 GHz	FX	N0N	49.9 W (ERP)	

Frequency Information

Cazenovia (ONONDAGA), NY - NL 42-55-46; WL 75-53-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.01 GHz	FX	N0N	66.9 W (ERP)	
3.1 GHz	FX	N0N	71 W (ERP)	
3.4 GHz	FX	N0N	85.4 W (ERP)	
3.7 GHz	FX	N0N	101.1 W (ERP)	
3.95 GHz	FX	N0N	115.2 W (ERP)	
4.2 GHz	FX	N0N	130.2 W (ERP)	
4.5 GHz	FX	N0N	149.5 W (ERP)	
4.8 GHz	FX	N0N	170.1 W (ERP)	
5.258 GHz	FX	N0N	204.1 W (ERP)	
5.5 GHz	FX	N0N	223.3 W (ERP)	

Frequency Information

Cazenovia (ONONDAGA), NY - NL 42-55-46; WL 75-53-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.8 GHz	FX	N0N	248.4 W (ERP)	
8.51 GHz	FX	N0N	208 W (ERP)	
9.3 GHz	FX	N0N	248.4 W (ERP)	
10.4 GHz	FX	N0N	310.7 W (ERP)	
11 GHz	FX	N0N	347.6 W (ERP)	
11.9 GHz	FX	N0N	406.8 W (ERP)	
12.4 GHz	FX	N0N	441.7 W (ERP)	
13.5 GHz	FX	N0N	287.7 W (ERP)	
15.36 GHz	FX	N0N	372.4 W (ERP)	
16.2 GHz	FX	N0N	414.8 W (ERP)	

Frequency Information

Cazenovia (ONONDAGA), NY - NL 42-55-46; WL 75-53-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
17.3 GHz	FX	N0N	472.4 W (ERP)	
18 GHz	FX	N0N	511.4 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) 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.
- (3) Operation is subject to prior coordination with Fixed Microwave Service (Part 101) licensees in the vicinity of the test sites where frequencies within the following bands are to be used:

928-929 MHz
3700-4200 MHz
10.7-11.7 GHz
12.2-12.7 GHz
17.8-18.3 GHz

- (4) Lockheed Martin Corporation 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.