

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WD2XGA

(Call Sign)

0051-EX-ML-2010

(File Number)

NAME Lockheed Martin Corporation

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(i) of the Commission's Rules

Station Locations

- (1) Orlando (ORANGE), FL - NL 28-27-23; WL 81-28-03
- (2) Orlando (ORANGE), FL - NL 28-23-58; WL 81-05-39
- (3) Goodyear (MARICOPA), AZ - NL 33-26-00; WL 112-21-40; MOBILE: Goodyear, AZ, within 300 km, centered around NL 33-26-00; WL 112-21-40
- (4) Eglin AFB (OKALOOSA), FL - NL 30-34-11; WL 86-36-15; MOBILE: Eglin AFB, FL, within 200 km, centered around NL 30-34-11; WL 86-36-15
- (5) Manchester (CARROLL), MD - NL 39-39-39; WL 76-53-55; MOBILE: Manchester, MD, within 300 km, centered around NL 39-39-39; WL 76-53-55
- (6) Greenville (MECKLENBURG), NC - NL 35-34-48; WL 77-25-08; MOBILE: Greenville, NC, within 200 km, centered around NL 35-34-48; WL 77-25-08
- (7) Ft Drum (JEFFERSON), NY - NL 44-02-14; WL 75-46-17; MOBILE: Ft Drum, NY, within 25 km, centered around NL 44-02-14; WL 75-46-17
- (8) Springville (ALEXANDER), IL - NL 37-22-27; WL 89-15-35; MOBILE: Springville, IL, within 250 km, centered around NL 37-22-27; WL 89-15-35
- (9) Deville (RAPIDES), LA - NL 31-22-40; WL 92-06-07; MOBILE: Deville, LA, within 250 km, centered around NL 31-22-40; WL 92-06-07
- (10) Colorado Springs (EL PASO), CO - NL 38-48-25; WL 104-58-12; MOBILE: Colorado Springs, CO, within 200 km, centered around NL 38-48-25; WL 104-58-12
- (11) Hemet (RIVERSIDE), CA - NL 33-44-21; WL 116-59-16; MOBILE: Hemet, CA, within 200 km, centered around NL 33-44-21; WL 116-59-16
- (12) MOBILE: Operations In Box:
35°53'21"N, 117°45'13"W; 35°53'21"N, 116°57'00"W;
35°17'47"N, 116°57'00"W; 35°16'45"N, 117°49'29"W;
- (13) MOBILE: Operations In Box:
37°53'00"N, 117°29'43"W; 38°12'00"N, 116°29'30"W;
36°14'44"N, 114°48'46"W; 35°50'32"N, 115°26'59"W;

This authorization effective June 04, 2010 and
will expire 3:00 A.M. EST March 01, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Orlando (ORANGE), FL - NL 28-27-23; WL 81-28-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	FX	1G20P0N	2.2 MW (ERP)	

Orlando (ORANGE), FL - NL 28-23-58; WL 81-05-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	FX	1G20P0N	2.2 MW (ERP)	

Goodyear (MARICOPA), AZ - NL 33-26-00; WL 112-21-40; MOBILE: Goodyear, AZ, within 300 km, centered around NL 33-2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	

Eglin AFB (OKALOOSA), FL - NL 30-34-11; WL 86-36-15; MOBILE: Eglin AFB, FL, within 200 km, centered around NL 30-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	

Frequency Information

Manchester (CARROLL), MD - NL 39-39-39; WL 76-53-55; MOBILE: Manchester, MD, within 300 km, centered around NL 39-39-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	FX	1G20P0N	2.2 MW (ERP)	
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	

Greenville (MECKLENBURG), NC - NL 35-34-48; WL 77-25-08; MOBILE: Greenville, NC, within 200 km, centered around NL 35-34-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	FX	1G20P0N	2.2 MW (ERP)	
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	

Ft Drum (JEFFERSON), NY - NL 44-02-14; WL 75-46-17; MOBILE: Ft Drum, NY, within 25 km, centered around NL 44-02-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	FX	1G20P0N	2.2 MW (ERP)	
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	

Frequency Information

Springville (ALEXANDER), IL - NL 37-22-27; WL 89-15-35; MOBILE: Springville, IL, within 250 km, centered around NL 37-22-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	FX	1G20P0N	2.2 MW (ERP)	
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	

Deville (RAPIDES), LA - NL 31-22-40; WL 92-06-07; MOBILE: Deville, LA, within 250 km, centered around NL 31-22-40; WL 92-06-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	FX	1G20P0N	2.2 MW (ERP)	
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	

Colorado Springs (EL PASO), CO - NL 38-48-25; WL 104-58-12; MOBILE: Colorado Springs, CO, within 200 km, centered around NL 38-48-25; WL 104-58-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	FX	1G20P0N	2.2 MW (ERP)	
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	

Frequency Information

Hemet (RIVERSIDE), CA - NL 33-44-21; WL 116-59-16; MOBILE: Hemet, CA, within 200 km, centered around NL 33-44-21;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	
16900 MHz	FX	1G20P0N	2.2 MW (ERP)	

MOBILE: Operations In Box:
35°53'21"N, 117°45'13"W; 35°53'21"N, 116°57'00"W;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	MO	1G20P0N	2.2 MW (ERP)	

MOBILE: Operations In Box:
37°53'00"N, 117°29'43"W; 38°12'00"N, 116°29'30"W;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16900 MHz	MO	1G20P0N	2.2 MW (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) 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.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

Special Conditions:

- (4) Operations for Antenna 12 is limited within coordinates:
35°53'21"N, 117°45'13"W; 35°53'21"N, 116°57'00"W;
35°17'47"N, 116°57'00"W; 35°16'45"N, 117°49'29"W;

Operations for Antenna 13 is limited within coordinates:
37°53'00"N, 117°29'43"W; 38°12'00"N, 116°29'30"W;
36°14'44"N, 114°48'46"W; 35°50'32"N, 115°26'59"W;