

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WG2XNL

(Call Sign)

0186-EX-RR-2015

(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(j) of the Commission's Rules

Station Locations

(1) Greenville, SC - NL 34-45-20; WL 82-23-00

Frequency Information

Greenville, SC - NL 34-45-20; WL 82-23-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	FX	9M38V1D 7M10V0D	2500 W (ERP)	
1090 MHz	FX	9M38V1D 7M10V1D	1 W (ERP)	

Special Conditions:

- (1) Assignment in frequency bands 960-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Southern Coordinator, Atlanta, GA. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Southern Coordinator, Atlanta, GA, as necessary to ensure compatibility with existing uses.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

This authorization effective May 01, 2015 and
will expire 3:00 A.M. EST May 01, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) Stop buzzer is Mr. Scott Henneberry at (972) 837-0399 or Ms. Sussan Sundae at (214) 385-0586.
- (4) For antenna location 34°-45'-20" N and 082°-23'-00" W (Greenville, SC) and frequency 1030 MHz, transmission is limited between 270-300 degrees referenced to True North. And the following restrictions apply:
 - a) ERP = 2500 W peak
 - b) Pulse Repetition Rate = 429 pps.
 - c) Pulse Duration = FX 0.8 usec
 - d) Only mode 2 is allowed to transmit for ground radiated test. All other modes must use direct connect method. No mode 4 test allowed
 - e) No flight test.
- (5) For antenna location 34°-45'-20" N and 082°-23'-00" W (Greenville, SC) and frequency 1090 MHz, transmission is limited between 270-300 degrees referenced to True North. And the following restrictions apply:
 - a) ERP = 1 W peak
 - b) Pulse Duration = FX 0.8 usec
 - c) Pulse Repetition Rate = 235 pps
 - d) Only mode 2 is allowed to transmit for ground radiated test. All other modes must use direct connect method. No mode 4 test allowed.
 - e) No flight test.
- (6) This license is to test designated foreign sales only prior to deliver to the foreign country. Not for the US operation. In case of US airspace operation, an airworthiness certification is required prior to flying to US airspace.