

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

EXPERIMENTAL

(Nature of Service)

WE2XYZ

(Call Sign)

XD      FX MO

(Class of Station)

0074-EX-ML-2009

(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) Syracuse (ONONDAGA), NY - NL 43-06-43; WL 76-11-18; MOBILE: Syracuse, NY, within 1 km
- (2) East Syracuse (ONONDAGA), NY - NL 43-05-20; WL 76-05-53; MOBILE: East Syracuse, NY, within 1 km
- (3) South Syracuse (ONONDAGA), NY - NL 42-55-37; WL 75-55-27; MOBILE: South Syracuse, NY, within 1 km

Frequency Information

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

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1215-1400 MHz | FX            | 10M0Q3N             | 83.1 MW (ERP)    |                           |
| 1215-1400 MHz | MO            | 10M0Q3N             | 83.1 MW (ERP)    |                           |

This authorization effective September 23, 2009 and  
will expire 3:00 A.M. EST April 01, 2011

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

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

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1215-1400 MHz | FX            | 10M0Q3N             | 83.1 MW (ERP)    |                           |
| 1215-1400 MHz | MO            | 10M0Q3N             | 83.1 MW (ERP)    |                           |

South Syracuse (ONONDAGA), NY - NL 42-55-37; WL 75-55-27; MOBILE: South Syracuse, NY, within 1 km

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1215-1252 MHz | FX            | 10M0Q3N             | 83.1 MW (ERP)    |                           |
| 1215-1252 MHz | MO            | 10M0Q3N             | 83.1 MW (ERP)    |                           |
| 1268-1315 MHz | FX            | 10M0Q3N             | 83.1 MW (ERP)    |                           |
| 1268-1315 MHz | MO            | 10M0Q3N             | 83.1 MW (ERP)    |                           |
| 1325-1335 MHz | FX            | 10M0Q3N             | 83.1 MW (ERP)    |                           |
| 1330 MHz      | MO            | 10M0Q3N             | 83.1 MW (ERP)    |                           |
| 1352-1400 MHz | FX            | 10M0Q3N             | 83.1 MW (ERP)    |                           |

## Frequency Information

South Syracuse (ONONDAGA), NY - NL 42-55-37; WL 75-55-27; MOBILE: South Syracuse, NY, within 1 km

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1352-1400 MHz | MO            | 10M0Q3N             | 83.1 MW (ERP)    |                           |

## Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) For the Syracuse location NL 43-06-43; WL 76-11-18, TRANSMISSIONS ARE LIMITED TO THE DIRECTION OF 115-170 DEGREES AND 195-210 DEGREES REFERENCED TO TRUE NORTH.

For the East Syracuse location NL 43-05-20; WL 76-05-53, TRANSMISSIONS ARE LIMITED TO THE DIRECTION OF 115-170 DEGREES AND 195-210 DEGREES REFERENCED TO TRUE NORTH.

For the South Syracuse location NL 42-55-37; WL 75-55-27, TRANSMISSIONS ARE LIMITED TO THE DIRECTION OF 80-170 DEGREES REFERENCED TO TRUE NORTH.

- (5) Operation is limited to pulse duration of 25-2000 microseconds and pulse repetition rate of 500-10000 PPS.