

**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)

0100-EX-RR-2011

(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, centered around NL 43-06-43; WL 76-11-18
- (2) South Syracuse (ONONDAGA), NY - NL 42-55-37; WL 75-55-27; MOBILE: South Syracuse, NY, within 1 km, centered around NL 42-55-37; WL 75-55-27
- (3) Syracuse (ONONDAGA), NY - NL 43-06-43; WL 76-11-18; MOBILE: Syracuse [ONONDAGA], NY, within 1 km, centered around NL 43-06-43; WL 76-11-18

Frequency Information

Syracuse (ONONDAGA), NY - NL 43-06-43; WL 76-11-18; MOBILE: Syracuse, NY, within 1 km, centered around NL 43-06-4

| 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 April 01, 2011 and  
will expire 3:00 A.M. EST April 01, 2013

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

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

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

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

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1261-1289 MHz | MO            | 10M0Q3N             | 83.1 MW (ERP)    |                           |

## Frequency Information

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

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1261-1289 MHz | FX            | 10M0Q3N             | 83.1 MW (ERP)    |                           |
| 1353-1392 MHz | FX            | 10M0Q3N             | 83.1 MW (ERP)    |                           |
| 1353-1392 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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.