

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WM2XRQ

(Call Sign)

0500-EX-CR-2026

(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) Orlando (ORANGE), FL - NL 28-26-31; WL 81-27-27
- (2) Orlando (ORANGE), FL - NL 28-22-39; WL 81-04-57

Frequency Information

Orlando (ORANGE), FL - NL 28-26-31; WL 81-27-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
34000-36000 MHz	FX	10M0Q1N 1G00Q1N	100 kW (ERP)	0.01 %

Orlando (ORANGE), FL - NL 28-22-39; WL 81-04-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
34000-36000 MHz	FX	10M0Q1N 1G00Q1N	100 kW (ERP)	0.01 %

This authorization effective July 01, 2026 and
will expire 3:00 A.M. EST July 01, 2028

**FEDERAL
COMMUNICATIONS
COMMISSION**



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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) 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.
- (4) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (5) The designated point-of-contact to terminate transmissions if interference occurs is Adam Atherton at (407) 356-9411.
- (6) In order to protect satellite-based passive sensing operations, Lockheed Martin Corporation shall ensure that the unwanted total radiated power (TRP) within the 36-37 GHz frequency band shall not exceed 30 dBW. All practical steps shall be taken to further reduce unwanted emissions in the 36-37 GHz band beyond this level to prevent harmful interference to passive sensors.
- (7) Lockheed Martin Corporation shall ensure that operations do not cause harmful interference to:
 - o Passive remote sensors operating in 36-37 GHz on the NASA Aqua or Global Precipitation Measurement (GPM) missions; and
 - o Active remote sensors operating in 35.5-36 GHz on the NASA Global Precipitation
- (8) Lockheed Martin Corporation shall take all practicable steps to minimize skyward emissions to reduce potential harmful interference to space-based receivers.