

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

EXPERIMENTAL

(Nature of Service)

WB2XGC

(Call Sign)

XD FX MO

(Class of Station)

0159-EX-TC-2019

(File Number)

NAME Raytheon Company

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) Tucson, AZ; MOBILE: Tucson, AZ - Aircraft 3048 meters AGL, within 120 km, centered around NL 32-06-24; WL 110-56-12

Frequency Information

Tucson, AZ; MOBILE: Tucson, AZ - Aircraft 3048 meters AGL, within 120 km, centered around NL 32-06-24; WL 110-56-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
31000-31300 MHz	FX	40M0G1N	5 MW (ERP)	
31800-32000 MHz	FX	40M0G1N	5 MW (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) Pulse Width = 0.5 to 15 microseconds.

This authorization effective January 22, 2020 and
will expire 3:00 A.M. EST April 01, 2020

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Special Conditions:

- (5) Pulse Repetition Frequency = 0.5 to 666 kilohertz.
- (6) Operation is subject to prior coordination with affected existing Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).