

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WJ2XPH

(Call Sign)

0509-EX-CR-2020

(File Number)

NAME Raytheon Company (Missiles & Defense - M)

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 (PIMA), AZ - NL 32-06-32; WL 110-57-19

Frequency Information

Tucson (PIMA), AZ - NL 32-06-32; WL 110-57-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
96 GHz	FX	12G0F3N	3.82 W (ERP)	

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (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) 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.
- (5) Raytheon Missile Systems must coordinate with the ARO during the initial tests, to confirm no adverse interference to the Arizona Radio Observatory (ARO).

This authorization effective September 01, 2020 and
will expire 3:00 A.M. EST September 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (6) Raytheon Missile Systems coordinate the operation with the existing users in 92-95 GHz band in the testing area prior to commencing the experimental operations.