

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

EXPERIMENTAL

(Nature of Service)

WO9XRI

(Call Sign)

XT FX

(Class of Station)

0236-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.

Station Locations

- (1) Tucson (PIMA), AZ - NL 32-05-47; WL 110-56-47
- (2) Tucson (PIMA), AZ - NL 32-05-39; WL 110-48-30

Frequency Information

Tucson (PIMA), AZ - NL 32-05-47; WL 110-56-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
31.8-36 GHz	FX	4G00Q0N	1528 W (ERP)	
37-41 GHz	FX	4G00Q0N	1528 W (ERP)	

This authorization effective January 22, 2020 and
will expire 3:00 A.M. EST January 23, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Tucson (PIMA), AZ - NL 32-05-39; WL 110-48-30

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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) 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.
- (3) Operation is subject to prior coordination with the affected Fixed Microwave Service licensees prior to operation in 27.5-29.5 GHz and 38.6-40 GHz bands in accordance with 47 C.F.R, Part 101.103(d).
- (4) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (5) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (6) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (7) The fixed station antenna(s) main beam elevation angle is at (Zero degree) or below the horizon (below Zero degrees) while transmitting signals in the 37.5-41 GHz band.