

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WG2XVG

(Call Sign)

0598-EX-CR-2021

(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 (PIMA), AZ - NL 32-05-41; WL 110-48-30
- (2) Point Loma (SAN DIEGO), CA - NL 32-40-01; WL 117-14-23

Frequency Information

Tucson (PIMA), AZ - NL 32-05-41; WL 110-48-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
154.585 MHz	FX	200HN0N	3 W (ERP)	
159.48 MHz	FX	200HN0N	3 W (ERP)	
160.725 MHz	FX	200HN0N	3 W (ERP)	
160.785 MHz	FX	200HN0N	3 W (ERP)	

This authorization effective November 01, 2021 and
will expire 3:00 A.M. EST November 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Tucson (PIMA), AZ - NL 32-05-41; WL 110-48-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
454 MHz	FX	200HN0N	3 W (ERP)	
459 MHz	FX	200HN0N	3 W (ERP)	
2450-2500 MHz	FX	200HN0N	3 W (ERP)	
2900-3100 MHz	FX	200HN0N	3 W (ERP)	
5470-5600 MHz	FX	200HN0N	3 W (ERP)	
9300-9500 MHz	FX	200HN0N	3 W (ERP)	

Point Loma (SAN DIEGO), CA - NL 32-40-01; WL 117-14-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
154.585 MHz	FX	200HN0N	3 W (ERP)	
159.48 MHz	FX	200HN0N	3 W (ERP)	
160.725 MHz	FX	200HN0N	3 W (ERP)	

Frequency Information

Point Loma (SAN DIEGO), CA - NL 32-40-01; WL 117-14-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
160.785 MHz	FX	200HN0N	3 W (ERP)	
454 MHz	FX	200HN0N	3 W (ERP)	
459 MHz	FX	200HN0N	3 W (ERP)	
2450-2500 MHz	FX	200HN0N	3 W (ERP)	
2900-3100 MHz	FX	200HN0N	3 W (ERP)	
5470-5600 MHz	FX	200HN0N	3 W (ERP)	
9300-9500 MHz	FX	200HN0N	3 W (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (2) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Special Conditions:

- (5) The Coast Guard requests the following 24 hour advance notice provided to Rodell Sunga 510-637-5454 desk, 202-695-4172 cell, indicating how long each test period will last. Mr. Sunga's normal workday is 5:30am-2pm and also request Friday warning for Monday testing.
- (6) Stop buzzer point of contact is Mr. Jim Ortega at (520) 262-1757.
- (7) Operation subject to prior coordination with WAFC Phone: (760) 939-6948.
- (8) Operation is subject to notification of the following within 50 miles of the test area:
 - o Paging Service licensees in 454 MHz/459 MHz