

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WM2XCP

(Call Sign)

0763-EX-CN-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) EL Segundo (LOS ANGELES), CA - NL 33-54-51; WL 118-23-16
- (2) Lafayette (BOULDER), CO - NL 39-58-03; WL 105-05-08

Frequency Information

EL Segundo (LOS ANGELES), CA - NL 33-54-51; WL 118-23-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.10005 GHz	FX	100KG1D	2.433 W (ERP)	
2.2268 GHz	FX	3M60G1D	5.422 W (ERP)	
2.2595 GHz	FX	1M00G1D	2.433 W (ERP)	
8.22 GHz	FX	10M0G1D	3.042 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

EL Segundo (LOS ANGELES), CA - NL 33-54-51; WL 118-23-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.269 GHz	FX	62M0G1D	121.662 W (ERP)	

Lafayette (BOULDER), CO - NL 39-58-03; WL 105-05-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.10005 GHz	FX	100KG1D	2.433 W (ERP)	
2.2268 GHz	FX	3M60G1D	5.422 W (ERP)	
2.2595 GHz	FX	1M00G1D	2.433 W (ERP)	
8.22 GHz	FX	10M0G1D	3.042 W (ERP)	
8.269 GHz	FX	62M0G1D	121.662 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at <http://sbe.org/wp-content/uploads/freqcoor.pdf> to find the appropriate coordinator.

Special Conditions:

- (5) The designated point-of-contact to terminate transmissions if interference occurs are Earl Choi at (310) 647-2350, and Sam Szeto at (626) 223-8232.