

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WI2XIF

(Call Sign)

0199-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 (PIMA), AZ - NL 32-08-13; WL 110-55-20
- (2) TUCSON (PIMA), AZ - NL 32-08-17; WL 110-55-16
- (3) TUCSON (PIMA), AZ - NL 32-08-12; WL 110-55-14
- (4) TUCSON (PIMA), AZ - NL 32-05-39; WL 110-48-30
- (5) MOBILE: TUCSON, AZ (Portables will be used at Raytheon plant), within 1.2 km, centered around NL 32-06-25; WL 110-56-18

Frequency Information

TUCSON (PIMA), AZ - NL 32-08-13; WL 110-55-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5191-5320 MHz	FX	3M85G1D 7M70G1D 15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M5W7D	0.6 W (ERP)	
5500-5605 MHz	FX	3M85G1D	1.2 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

TUCSON (PIMA), AZ - NL 32-08-13; WL 110-55-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5500-5605 MHz	FX	7M70G1D 15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M5W7D	1.2 W (ERP)	
5615-5700 MHz	FX	3M85G1D 7M70G1D 15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M5W7D	1.2 W (ERP)	
5745-5825 MHz	FX	3M85G1D 7M70G1D 15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M5W7D	1.2 W (ERP)	

TUCSON (PIMA), AZ - NL 32-08-17; WL 110-55-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5191-5320 MHz	FX	3M85G1D 7M70G1D 15M4G1D	0.6 W (ERP)	

Frequency Information

TUCSON (PIMA), AZ - NL 32-08-17; WL 110-55-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5191-5320 MHz	FX	4M06W7D 8M13W7D 16M3W7D 32M5W7D	0.6 W (ERP)	
5500-5605 MHz	FX	3M85G1D 7M70G1D 15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M5W7D	1.2 W (ERP)	
5615-5700 MHz	FX	32M5W7D 16M3W7D 8M13W7D 4M06W7D 15M4G1D 7M70G1D 3M85G1D	1.2 W (ERP)	
5745-5825 MHz	FX	3M85G1D 7M70G1D 15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M5W7D	1.2 W (ERP)	

Frequency Information

TUCSON (PIMA), AZ - NL 32-08-12; WL 110-55-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5191-5320 MHz	FX	3M85G1D	0.6 W (ERP)	
		7M70G1D		
		15M4G1D		
		4M06W7D		
		8M13W7D		
		16M3W7D		
		32M5W7D		
5500-5605 MHz	FX	3M85G1D	1.2 W (ERP)	
		7M70G1D		
		15M4G1D		
		4M06W7D		
		8M13W7D		
		16M3W7D		
		32M5W7D		
5615-5700 MHz	FX	32M5W7D	1.2 W (ERP)	
		16M3W7D		
		8M13W7D		
		4M06W7D		
		15M4G1D		
		7M70G1D		
		3M85G1D		
5745-5825 MHz	FX	3M85G1D	1.2 W (ERP)	
		7M70G1D		
		15M4G1D		
		4M06W7D		
		8M13W7D		
		16M3W7D		

Frequency Information

TUCSON (PIMA), AZ - NL 32-08-12; WL 110-55-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5745-5825 MHz	FX	32M5W7D	1.2 W (ERP)	

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5191-5320 MHz	FX	3M85G1D 7M70G1D 15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M5W7D	0.6 W (ERP)	

5500-5605 MHz	FX	3M85G1D 7M70G1D 15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M5W7D	1.2 W (ERP)	
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5615-5700 MHz	FX	3M85G1D 7M70G1D 15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M5W7D	1.2 W (ERP)	
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Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5745-5825 MHz	FX	3M85G1D 7M70G1D 15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M5W7D	1.2 W (ERP)	

MOBILE: TUCSON, AZ (Portables will be used at Raytheon plant), within 1.2 km, centered around NL 32-06-25; WL 110-56-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5191-5320 MHz	MO	3M85G1D 7M70G1D 15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M5W7D	0.6 W (ERP)	
5500-5605 MHz	MO	3M85G1D 7M70G1D 15M4G1D 4M06W7D 8M13W7D 16M3W7D 32M0W7D	1.2 W (ERP)	
5615-5700 MHz	MO	32M0W7D 16M3W7D	1.2 W (ERP)	

Frequency Information

MOBILE: TUCSON, AZ (Portables will be used at Raytheon plant), within 1.2 km, centered around NL 32-06-25; WL 110-56-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5615-5700 MHz	MO	8M13W7D	1.2 W (ERP)	
		4M06W7D		
		15M4G1D		
		7M70G1D		
		3M85G1D		
5745-5825 MHz	MO	3M85G1D	1.2 W (ERP)	
		7M70G1D		
		15M4G1D		
		4M06W7D		
		8M13W7D		
		16M3W7D		
		32M5W7D		

Special Conditions:

- (1) Subject to prior coordination with FAA Western Regional Office, P.O. Box 92007, Worldway Center, Los Angeles, California 90009, Attn: Frequency Management Office. Phone 310-297-1872.
- (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.