

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

EXPERIMENTAL

(Nature of Service)

WJ2XLO

(Call Sign)

XD FX MO

(Class of Station)

0103-EX-CM-2021

(File Number)

NAME Datron World Communications, Inc.

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) Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-43

Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
144-146 MHz	FX		1000 W (ERP)	
		16K0F3E		
		6K00A3E		
		16K0F1D		
		16K0F2D		
		16K0F1E		
		16K0F2E		
		16K0F1F		
		16K0F2F		
		32K0F1E		
		32K0F2E		
		32K0F3E		
		64K0F1E		
		64K0F2E		
		64K0F3E		

This authorization effective July 28, 2021 and
will expire 3:00 A.M. EST May 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
144-146 MHz	FX	10K0A3E 32K0F2D 64K0F2D 16K0W2D 16K0W2E 32K0W2D 32K0W2E 64K0W2D 64K0W2E	1000 W (ERP)	
144-146 MHz	MO	16K0F3E 6K00A3E 16K0F1D 16K0F2D 16K0F1E 16K0F2E 16K0F1F 16K0F2F 32K0F1E 32K0F2E 32K0F3E 64K0F1E 64K0F2E 64K0F3E 10K0A3E 32K0F2D 64K0F2D 16K0W2D 16K0W2E 32K0W2D 32K0W2E 64K0W2D 64K0W2E	1000 W (ERP)	

Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
146-148 MHz	FX	16K0F3E	1000 W (ERP)	
		6K00A3E		
		16K0F1D		
		16K0F2D		
		16K0F1E		
		16K0F2E		
		16K0F1F		
		16K0F2F		
		32K0F1E		
		32K0F2E		
		32K0F3E		
		64K0F1E		
		64K0F2E		
		64K0F3E		
		10K0A3E		
		32K0F2D		
		64K0F2D		
		16K0W2D		
		16K0W2E		
		32K0W2D		
		32K0W2E		
		64K0W2D		
		64K0W2E		
146-148 MHz	MO	16K0F3E	1000 W (ERP)	
		6K00A3E		
		16K0F1D		
		16K0F2D		
		16K0F1E		
		16K0F2E		
		16K0F1F		
		16K0F2F		
		32K0F1E		
		32K0F2E		

Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
146-148 MHz	MO	32K0F3E 64K0F1E 64K0F2E 64K0F3E 10K0A3E 32K0F2D 64K0F2D 16K0W2D 16K0W2E 32K0W2D 64K0F2D 64K0W2E	1000 W (ERP)	
150.8-152.855 MHz	MO	16K0F3E 6K00A3E 16K0F1D 16K0F2D 16K0F1E 16K0F2E 16K0F1F 16K0F2F 32K0F1E 32K0F2E 32K0F3E 64K0F1E 64K0F2E 64K0F3E 10K0A3E 32K0F2D 64K0F2D 10K0A3E 32K0F2D 64K0F2D 16K0W2D	1000 W (ERP)	

Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-152.855 MHz	MO	16K0W2E 32K0W2D 32K0W2E 64K0W2D 64K0W2E	1000 W (ERP)	
150.8-152.855 MHz	FX	16K0F3E 6K00A3E 16K0F1D 16K0F2D 16K0F1E 16K0F2E 16K0F1F 16K0F2F 32K0F1E 32K0F2E 32K0F3E 64K0F1E 64K0F2E 64K0F3E 10K0A3E 32K0F2D 64K0F2D 16K0W2D 16K0W2E 32K0W2D 32K0W2E 64K0W2D 64K0W2E	1000 W (ERP)	
152.855-154 MHz	MO	16K0F3E 6K00A3E 16K0F1D	1000 W (ERP)	

Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
152.855-154 MHz	MO		1000 W (ERP)	
		16K0F2D		
		16K0F1E		
		16K0F2E		
		16K0F1F		
		16K0F2F		
		32K0F1E		
		32K0F2E		
		32K0F3E		
		64K0F1E		
		64K0F2E		
		64K0F3E		
		10K0A3E		
		32K0F2D		
		64K0F2D		
		16K0W2D		
		16K0W2E		
		32K0W2D		
		32K0W2E		
		64K0W2D		
		64K0W2E		
152.855-154 MHz	FX		1000 W (ERP)	
		16K0F3E		
		6K00A3E		
		16K0F1D		
		16K0F2D		
		16K0F1E		
		16K0F2E		
		16K0F1F		
		16K0F2F		
		32K0F1E		
		32K0F2E		
		32K0F3E		
		64K0F1E		
		64K0F2E		

Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
152.855-154 MHz	FX	64K0F3E 10K0A3E 32K0F2D 64K0F2D 16K0W2D 16K0W2E 32K0W2D 32K0W2E 64K0W2D 64K0W2E	1000 W (ERP)	
154-156 MHz	MO	16K0F3E 6K00A3E 16K0F1D 16K0F2D 16K0F1E 16K0F2E 16K0F1F 16K0F2F 32K0F1E 32K0F2E 32K0F3E 64K0F1E 64K0F2E 64K0F3E 64K0F2D 10K0A3E 32K0F2D 16K0W2D 16K0W2E 32K0W2D 32K0W2E 64K0W2D	1000 W (ERP)	

Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
154-156 MHz	MO	64K0W2E	1000 W (ERP)	
154-156 MHz	FX	16K0F3E 6K00A3E 16K0F1D 16K0F2D 16K0F1E 16K0F2E 16K0F1F 16K0F2F 32K0F1E 32K0F2E 32K0F3E 64K0F1E 64K0F2E 64K0F3E 10K0A3E 32K0F2D 64K0F2D 16K0W2D 16K0W2E 32K0W2D 32K0W2E 64K0W2D 64K0W2E	1000 W (ERP)	
158-161 MHz	FX	16K0F3E 6K00A3E 16K0F1D 16K0F2D 16K0F1E 16K0F2E 16K0F1F	1000 W (ERP)	

Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
158-161 MHz	FX	16K0F2F	1000 W (ERP)	
		32K0F1E		
		32K0F2E		
		32K0F3E		
		64K0F1E		
		64K0F2E		
		64K0F3E		
		10K0A3E		
		32K0F2D		
		64K0F2D		
		16K0W2D		
		16K0W2E		
		32K0W2D		
		32K0W2E		
		64K0W2D		
		64K0W2E		
158-161 MHz	MO	16K0F3E	1000 W (ERP)	
		6K00A3E		
		16K0F1D		
		16K0F2D		
		16K0F1E		
		16K0F2E		
		16K0F1F		
		16K0F2F		
		32K0F1E		
		32K0F2E		
		32K0F3E		
		64K0F1E		
		64K0F2E		
		64K0F3E		
		10K0A3E		
		32K0F2D		
		64K0F2D		

Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
158-161 MHz	MO	16K0W2D 16K0W2E 32K0W2D 32K0W2E 64K0W2D 64K0W2E	1000 W (ERP)	
173.2-173.4 MHz	MO	16K0F3E 6K00A3E 16K0F1D 16K0F2D 16K0F1E 16K0F2E 16K0F1F 16K0F2F 32K0F1E 32K0F2E 32K0F3E 64K0F1E 64K0F2E 64K0F3E 10K0A3E 32K0F2D 64K0F2D 16K0W2D 32K0W2D 32K0W2E 64K0W2D 64K0W2E 16K0W2E	1000 W (ERP)	
173.2-173.4 MHz	FX	16K0F3E 6K00A3E	1000 W (ERP)	

Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
173.2-173.4 MHz	FX		1000 W (ERP)	
		16K0F1D		
		16K0F2D		
		16K0F1E		
		16K0F2E		
		16K0F1F		
		16K0F2F		
		32K0F1E		
		32K0F2E		
		32K0F3E		
		64K0F1E		
		64K0F2E		
		64K0F3E		
		10K0A3E		
		32K0F2D		
		64K0F2D		
		16K0W2D		
		16K0W2E		
		32K0W2D		
		32K0W2E		
		64K0W2D		
		64K0W2E		
174-216 MHz	MO		1000 W (ERP)	
		16K0F3E		
		6K00A3E		
		16K0F1D		
		16K0F2D		
		16K0F1E		
		16K0F2E		
		16K0F1F		
		16K0F2F		
		32K0F1E		
		32K0F2E		
		32K0F3E		
		64K0F1E		

Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-216 MHz	MO	64K0F2E	1000 W (ERP)	
		64K0F3E		
		10K0A3E		
		32K0F2D		
		64K0F2D		
		16K0W2D		
		16K0W2E		
		32K0W2D		
		32K0W2E		
		64K0W2D		
		64K0W2E		
174-216 MHz	FX	16K0F3E	1000 W (ERP)	
		6K00A3E		
		16K0F1D		
		16K0F2D		
		16K0F1E		
		16K0F2E		
		16K0F1F		
		16K0F2F		
		32K0F1E		
		32K0F2E		
		32K0F3E		
		64K0F1E		
		64K0F2E		
		64K0F3E		
		10K0A3E		
		32K0F2D		
		64K0F2D		
		16K0W2D		
		16K0W2E		
		32K0W2D		
		32K0W2E		
		64K0W2D		

Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-216 MHz	FX	64K0W2E	1000 W (ERP)	
222-225 MHz	MO	6K00A3E	1000 W (ERP)	
		16K0F1D		
		16K0F2D		
		16K0F1E		
		16K0F2E		
		16K0F1F		
		16K0F2F		
		32K0F1E		
		32K0F2E		
		32K0F3E		
		64K0F1E		
		64K0F2E		
		64K0F3E		
		16K0F3E		
		10K0A3E		
		32K0F2D		
		64K0F2D		
		16K0W2D		
		16K0W2E		
		32K0W2D		
		32K0W2E		
		64K0W2D		
		64K0W2E		
222-225 MHz	FX	6K00A3E	1000 W (ERP)	
		16K0F1D		
		16K0F2D		
		16K0F1E		
		16K0F2E		
		16K0F1F		
		16K0F2F		

Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
222-225 MHz	FX		1000 W (ERP)	
		32K0F1E		
		32K0F2E		
		32K0F3E		
		64K0F1E		
		64K0F2E		
		64K0F3E		
		16K0F3E		
		10K0A3E		
		32K0F2D		
		64K0F2D		
		16K0W2D		
		16K0W2E		
		32K0W2D		
		32K0W2E		
		64K0W2D		
		64K0W2E		
450-454 MHz	MO		1000 W (ERP)	
		16K0F3E		
		6K00A3E		
		16K0F1D		
		16K0F2D		
		16K0F1E		
		16K0F2E		
		16K0F1F		
		16K0F2F		
		32K0F1E		
		32K0F2E		
		32K0F3E		
		64K0F1E		
		64K0F2E		
		64K0F3E		
		10K0A3E		
		32K0F2D		
		64K0F2D		

Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
450-454 MHz	MO	16K0W2D 16K0W2E 32K0W2D 32K0W2E 64K0W2D 64K0W2E	1000 W (ERP)	
450-454 MHz	FX	16K0F3E 6K00A3E 16K0F1D 16K0F2D 16K0F1E 16K0F2E 16K0F1F 16K0F2F 32K0F1E 32K0F2E 32K0F3E 64K0F1E 64K0F2E 64K0F3E 10K0A3E 32K0F2D 64K0F2D 16K0W2D 16K0W2E 32K0W2D 32K0W2E 64K0W2D 64K0W2E	1000 W (ERP)	
454-455 MHz	MO	16K0F3E 6K00A3E	1000 W (ERP)	

Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
454-455 MHz	MO		1000 W (ERP)	
		16K0F1D		
		16K0F2D		
		16K0F1E		
		16K0F2E		
		16K0F1F		
		16K0F2F		
		32K0F1E		
		32K0F2E		
		32K0F3E		
		64K0F1E		
		64K0F2E		
		64K0F3E		
		10K0A3E		
		32K0F2D		
		64K0F2D		
		16K0W2D		
		16K0W2E		
		32K0W2D		
		32K0W2E		
		64K0W2D		
		64K0W2E		
454-455 MHz	FX		1000 W (ERP)	
		16K0F3E		
		6K00A3E		
		16K0F1D		
		16K0F2D		
		16K0F1E		
		16K0F2E		
		16K0F1F		
		16K0F2F		
		32K0F1E		
		32K0F2E		
		32K0F3E		
		64K0F1E		

Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
454-455 MHz	FX	64K0F2E 64K0F3E 10K0A3E 32K0F2D 64K0F2D 16K0W2D 16K0W2E 32K0W2D 32K0W2E 64K0W2D 64K0W2E	1000 W (ERP)	
455-456 MHz	FX	16K0F3E 6K00A3E 16K0F1D 16K0F2D 16K0F1E 16K0F2E 16K0F1F 16K0F2F 32K0F1E 32K0F2E 32K0F3E 64K0F1E 64K0F2E 64K0F3E 10K0A3E 32K0F2D 64K0F2D 16K0W2D 16K0W2E 32K0W2D 32K0W2E 64K0W2D	1000 W (ERP)	

Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
455-456 MHz	FX	64K0W2E	1000 W (ERP)	
455-456 MHz	MO	16K0F3E 6K00A3E 16K0F1D 16K0F2D 16K0F1E 16K0F2E 16K0F1F 16K0F2F 32K0F1E 32K0F2E 32K0F3E 64K0F1E 64K0F2E 64K0F3E 10K0A3E 32K0F2D 64K0F2D 16K0F2D 16K0W2E 32K0W2D 32K0W2E 64K0W2D 64K0W2E	1000 W (ERP)	
456-460 MHz	MO	16K0F3E 6K00A3E 16K0F1D 16K0F2D 16K0F1E 16K0F2E 16K0F1F	1000 W (ERP)	

Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
456-460 MHz	MO	16K0F2F	1000 W (ERP)	
		32K0F1E		
		32K0F2E		
		32K0F3E		
		64K0F1F		
		64K0F2E		
		64K0F3E		
		10K0A3E		
		32K0F2D		
		64K0F2D		
		16K0W2D		
		16K0W2E		
		32K0W2D		
		32K0W2E		
		64K0W2D		
		64K0W2E		
456-460 MHz	FX	16K0F3E	1000 W (ERP)	
		6K00A3E		
		16K0F1D		
		16K0F2D		
		16K0F1E		
		16K0F2E		
		16K0F1F		
		16K0F2F		
		32K0F1E		
		32K0F2E		
		32K0F3E		
		64K0F1F		
		64K0F2E		
		64K0F3E		
		10K0A3E		
		32K0F2D		
		64K0F2D		

Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
456-460 MHz	FX	16K0W2D 16K0W2E 32K0W2D 64K0W2D 64K0W2E	1000 W (ERP)	
470-512 MHz	MO	16K0F3E 6K00A3E 16K0F1D 16K0F2D 16K0F1E 16K0F2E 16K0F1F 16K0F2F 32K0F1E 32K0F2E 32K0F3E 64K0F1E 64K0F2E 64K0F3E 10K0A3E 32K0F2D 64K0F2D 16K0W2D 16K0W2E 32K0W2D 32K0W2E 64K0W2D	1000 W (ERP)	
470-512 MHz	FX	16K0F3E 6K00A3E 16K0F1D 16K0F2D	1000 W (ERP)	

Frequency Information

Vista (SAN DIEGO), CA - NL 33-08-50; WL 117-13-43; MOBILE: , within 644 km, centered around NL 33-08-50; WL 117-13-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
470-512 MHz	FX		1000 W (ERP)	
		16K0F1E		
		16K0F2E		
		16K0F1F		
		16K0F2F		
		32K0F1E		
		32K0F2E		
		32K0F3E		
		64K0F1E		
		64K0F2E		
		64K0F3E		
		10K0A3E		
		32K0F2D		
		64K0F2D		
		16K0W2D		
		16K0W2E		
		32K0W2D		
		32K0W2E		
		64K0W2E		
		64K0W2D		

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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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.
- (5) Datron World Communications, Inc. must obtain the consent of the following within 80 km of the test area:
 - Paging Service licensees in 152 MHz
 - Paging Service licensees in 152 MHz/158 MHz
 - Paging Service licensees in 454MHz/459 MHz
 - General Aviation Air-Ground Service in 454 MHz/459 MHz

Special Conditions:

- (6) Datron World Communications, Inc. must not operate in the following bands:
118-137 MHz Aviation Safety, and 156-158 MHz /161-162.5 MHz Marine Safety.