

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

EXPERIMENTAL

(Nature of Service)

WL2XJA

(Call Sign)

XD FX MO

(Class of Station)

0935-EX-CN-2020

(File Number)

NAME Motorola Solutions, 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(e, f, h, j) of the Commission's Rules

Station Locations

- (1) Rockford (WINNEBAGO), IL - NL 42-12-03; WL 89-15-00; MOBILE:within 10 km, centered around NL 42-12-03; WL 89-15-00
- (2) Winter (SAWYER), WI - NL 45-52-47; WL 90-58-00; MOBILE:within 10 km, centered around NL 45-52-47; WL 90-58-00
- (3) Portal (COCHISE), AZ - NL 31-54-50; WL 109-07-43; MOBILE:within 10 km, centered around NL 31-54-50; WL 109-07-43

Frequency Information

Rockford (WINNEBAGO), IL - NL 42-12-03; WL 89-15-00; MOBILE:within 10 km, centered around NL 42-12-03; WL 89-15-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
897.5-900.5 MHz	MO		10 W (ERP)	
		3M00G7D		
		3M00G2D		
		3M00D7D		
		3M00W7W		
		1M40G7D		
		1M40G2D		
		1M40D7D		
		1M40W7W		
		200KG7D		
		200KG2D		

This authorization effective February 04, 2021 and
will expire 3:00 A.M. EST February 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Rockford (WINNEBAGO), IL - NL 42-12-03; WL 89-15-00; MOBILE:within 10 km, centered around NL 42-12-03; WL 89-15-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
897.5-900.5 MHz	MO	200KD7D 200KW7W	10 W (ERP)	
936.5-939.5 MHz	FX	3M00G7D 3M00G2D 3M00D7D 3M00W7W 1M40G7D 1M40G2D 1M40D7D 1M40W7W 200KG7D 200KG2D 200KD7D 200KW7W	180 W (ERP)	

Winter (SAWYER), WI - NL 45-52-47; WL 90-58-00; MOBILE:within 10 km, centered around NL 45-52-47; WL 90-58-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
897.5-900.5 MHz	MO	3M00G7D 3M00G2D 3M00D7D 3M00W7W 1M40G7D 1M40G2D 1M40D7D 1M40W7W 200KG7D 200KG2D 200KD7D	10 W (ERP)	

Frequency Information

Winter (SAWYER), WI - NL 45-52-47; WL 90-58-00; MOBILE:within 10 km, centered around NL 45-52-47; WL 90-58-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
897.5-900.5 MHz	MO	200KW7W	10 W (ERP)	
936.5-939.5 MHz	FX	3M00G7D	180 W (ERP)	
		3M00G2D		
		3M00D7D		
		3M00W7W		
		1M40G7D		
		1M40G2D		
		1M40D7D		
		1M40W7W		
		200KG7D		
		200KG2D		
		200KD7D		
		200KW7W		

Portal (COCHISE), AZ - NL 31-54-50; WL 109-07-43; MOBILE:within 10 km, centered around NL 31-54-50; WL 109-07-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
897.5-900.5 MHz	MO		10 W (ERP)	
		3M00G7D		
		3M00G2D		
		3M00D7D		
		3M00W7W		
		1M40G7D		
		1M40G2D		
		1M40D7D		
		1M40W7W		
		200KG7D		
		200KG2D		
		200KD7D		

Frequency Information

Portal (COCHISE), AZ - NL 31-54-50; WL 109-07-43; MOBILE:within 10 km, centered around NL 31-54-50; WL 109-07-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
897.5-900.5 MHz	MO	200KW7W	10 W (ERP)	
936.5-939.5 MHz	FX	3M00G7D	180 W (ERP)	
		3M00G2D		
		3M00D7D		
		3M00W7W		
		1M40G7D		
		1M40G2D		
		1M40D7D		
		1M40W7W		
		200KG7D		
		200KG2D		
		200KD7D		
		200KW7W		

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) Stop Buzzer: Gregory Buchwald at (815) 351-4020, Greg.Buchwald@motorolasolutions.com
- (4) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 50 miles of the contours of the testing area:
SMR licensees (896-901 MHz/935-940 MHz)
B/ILT licensees (896-901 MHz/935-940 MHz)