

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

EXPERIMENTAL
(Nature of Service)

XE FX MO
(Class of Station)

WJ2XIC
(Call Sign)

0718-EX-CN-2017
(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(c) of the Commission's Rules

Station Locations

- (1) Schaumburg, IL - NL 42-03-44; WL 88-03-08; MOBILE: Schaumburg, IL. Temporary fixed base and mobiles near coordinates, within 5 km, centered around NL 42-03-44; WL 88-03-08
- (2) Chicago, IL - NL 41-52-51; WL 87-38-24; MOBILE: Chicago, IL. Temporary fixed base and mobiles near coordinates, within 5 km, centered around NL 41-52-51; WL 87-38-24
- (3) Winter (SAWYER), WI - NL 45-52-37; WL 90-58-00; MOBILE: Winter, WI. Temporary fixed base and mobiles near coordinates, within 10 km, centered around NL 45-52-37; WL 90-58-00

Frequency Information

Schaumburg, IL - NL 42-03-44; WL 88-03-08; MOBILE: Schaumburg, IL. Temporary fixed base and mobiles near coordinates

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	FX	5M00D1D	38.7 W (ERP)	
		5M00D7D		
		5M00G2D		
		5M00G1D		
		5M00G7D		
		5M00W7W		
		10M0W7W		
		10M0D1D		
		10M0D7D		

This authorization effective April 12, 2018 and
will expire 3:00 A.M. EST April 01, 2020

FEDERAL
COMMUNICATIONS
COMMISSION



Frequency Information

Schaumburg, IL - NL 42-03-44; WL 88-03-08; MOBILE: Schaumburg, IL. Temporary fixed base and mobiles near coordinates.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	FX	20M0G7D 20M0W7W 10M0G1D 10M0G2D 10M0G7D 20M0D1D 20M0G1D 20M0D7D 20M0G2D	38.7 W (ERP)	
1370-1390 MHz	MO	5M00D1D 5M00D7D 5M00G2D 5M00G1D 5M00G7D 5M00W7W 10M0W7W 10M0D1D 10M0D7D 20M0G7D 20M0W7W 10M0G1D 10M0G2D 10M0G7D 20M0D1D 20M0G1D 20M0D7D 20M0G2D	38.7 W (ERP)	
1452-1492 MHz	MO	5M00D1D 5M00D7D 5M00G2D 5M00G1D	38.7 W (ERP)	

Frequency Information

Schaumburg, IL - NL 42-03-44; WL 88-03-08; MOBILE: Schaumburg, IL. Temporary fixed base and mobiles near coordinates.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1452-1492 MHz	MO	5M00G7D	38.7 W (ERP)	
		5M00W7W		
		10M0W7W		
		10M0D1D		
		10M0D7D		
		20M0G7D		
		20M0W7W		
		10M0G1D		
		10M0G2D		
		10M0G7D		
		20M0D1D		
		20M0G1D		
		20M0D7D		
		20M0G2D		
1452-1492 MHz	FX	5M00D1D	38.7 W (ERP)	
		5M00D7D		
		5M00G2D		
		5M00G1D		
		5M00G7D		
		5M00W7W		
		10M0W7W		
		10M0D1D		
		10M0D7D		
		20M0G7D		
		20M0W7W		
		10M0G1D		
		10M0G2D		
		10M0G7D		
		20M0D1D		
		20M0G1D		
		20M0D7D		
		20M0G2D		

Frequency Information

Chicago, IL - NL 41-52-51; WL 87-38-24; MOBILE: Chicago, IL. Temporary fixed base and mobiles near coordinates, within 5

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	FX	5M00D1D	38.7 W (ERP)	
		5M00D7D		
		5M00G2D		
		5M00G1D		
		5M00G7D		
		5M00W7W		
		10M0W7W		
		10M0D1D		
		10M0D7D		
		20M0G7D		
		20M0W7W		
		10M0G1D		
		10M0G2D		
		10M0G7D		
		20M0D1D		
		20M0G1D		
		20M0D7D		
		20M0G2D		
1370-1390 MHz	MO	5M00D1D	38.7 W (ERP)	
		5M00D7D		
		5M00G2D		
		5M00G1D		
		5M00G7D		
		5M00W7W		
		10M0W7W		
		10M0D1D		
		10M0D7D		
		20M0G7D		
		20M0W7W		
		10M0G1D		
		10M0G2D		
		10M0G7D		
		20M0D1D		

Frequency Information

Chicago, IL - NL 41-52-51; WL 87-38-24; MOBILE: Chicago, IL. Temporary fixed base and mobiles near coordinates, within 5

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	MO	20M0G1D 20M0D7D 20M0G2D	38.7 W (ERP)	
1452-1492 MHz	MO	5M00D1D 5M00D7D 5M00G2D 5M00G1D 5M00G7D 5M00W7W 10M0W7W 10M0D1D 10M0D7D 20M0G7D 20M0W7W 10M0G1D 10M0G2D 10M0G7D 20M0D1D 20M0G1D 20M0D7D 20M0G2D	38.7 W (ERP)	
1452-1492 MHz	FX	5M00D1D 5M00D7D 5M00G2D 5M00G1D 5M00G7D 5M00W7W 10M0W7W 10M0D1D 10M0D7D 20M0G7D	38.7 W (ERP)	

Frequency Information

Chicago, IL - NL 41-52-51; WL 87-38-24; MOBILE: Chicago, IL. Temporary fixed base and mobiles near coordinates, within 5

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1452-1492 MHz	FX	20M0W7W 10M0G1D 10M0G2D 10M0G7D 20M0D1D 20M0G1D 20M0D7D 20M0G2D	38.7 W (ERP)	

Winter (SAWYER), WI - NL 45-52-37; WL 90-58-00; MOBILE: Winter, WI. Temporary fixed base and mobiles near coordinate:

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	FX	5M00D1D 5M00D7D 5M00G2D 5M00G1D 5M00G7D 5M00W7W 10M0W7W 10M0D1D 10M0D7D 20M0G7D 20M0W7W 10M0G1D 10M0G2D 10M0G7D 20M0D1D 20M0G1D 20M0D7D 20M0G2D	38.7 W (ERP)	

Frequency Information

Winter (SAWYER), WI - NL 45-52-37; WL 90-58-00; MOBILE: Winter, WI. Temporary fixed base and mobiles near coordinate:

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	MO	5M00D1D 5M00D7D 5M00G2D 5M00G1D 5M00G7D 5M00W7W 10M0W7W 10M0D1D 10M0D7D 20M0G7D 20M0W7W 10M0G1D 10M0G2D 10M0G7D 20M0D1D 20M0G1D 20M0D7D 20M0G2D	38.7 W (ERP)	
1452-1492 MHz	MO	5M00D1D 5M00D7D 5M00G2D 5M00G1D 5M00G7D 5M00W7W 10M0W7W 10M0D1D 10M0D7D 20M0G7D 20M0W7W 10M0G1D 10M0G2D 10M0G7D 20M0D1D	38.7 W (ERP)	

Frequency Information

Winter (SAWYER), WI - NL 45-52-37; WL 90-58-00; MOBILE: Winter, WI. Temporary fixed base and mobiles near coordinate:

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1452-1492 MHz	MO	20M0G1D 20M0D7D 20M0G2D	38.7 W (ERP)	
1452-1492 MHz	FX	5M00D1D 5M00D7D 5M00G2D 5M00G1D 5M00G7D 5M00W7W 10M0W7W 10M0D1D 10M0D7D 20M0G7D 20M0W7W 10M0G1D 10M0G2D 10M0G7D 20M0D1D 20M0G1D 20M0D7D 20M0G2D	38.7 W (ERP)	

Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to its authorization with AFMO CONUS, Ft. Sam Houston, TX, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with AFMO CONUS, Ft. Sam Houston, TX, as necessary to ensure compatibility with existing uses.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

Special Conditions:

- (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.
- (5) One or more frequency assignments were coordinated prior to authorization with FAA Headquarters, 800 Independence Avenue, S.W., Washington, DC 20591; Telephone: 202-267-8699.
- (6) Stop buzzer point of contact is Gregory Buchwald at (815) 351-4020.