

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

EXPERIMENTAL
(Nature of Service)

XD FX MO
(Class of Station)

KQ2XIT
(Call Sign)

0634-EX-CR-2019
(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(j) of the Commission's Rules

Station Locations

- (1) Fort Lauderdale (BROWARD), FL - NL 26-08-51; WL 80-15-15; MOBILE: Fort Lauderdale, FL, within 40 km, centered around NL 26-08-51; WL 80-15-15
- (2) Boca Raton (PALM BEACH), FL - NL 26-21-54; WL 80-06-08; MOBILE: Boca Raton, FL, within 40 km, centered around NL 26-21-54; WL 80-06-08
- (3) Coral Springs (BROWARD), FL - NL 26-16-21; WL 80-14-51; MOBILE: Coral Springs, FL, within 40 km, centered around NL 26-16-21; WL 80-14-51

Frequency Information

Fort Lauderdale (BROWARD), FL - NL 26-08-51; WL 80-15-15; MOBILE: Fort Lauderdale, FL, within 40 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
46.14 MHz	FX	20K0F3D 20K0F2D 20K0F3E 20K0F1D 20K0F1E	100 W (ERP)	
138-144 MHz	FX	20K0F1D 20K0F3E 20K0F2D	100 W (ERP)	

This authorization effective October 01, 2019 and
will expire 3:00 A.M. EST October 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Fort Lauderdale (BROWARD), FL - NL 26-08-51; WL 80-15-15; MOBILE: Fort Lauderdale, FL, within 40 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138-144 MHz	FX	20K0F3D 20K0F1E	100 W (ERP)	
148-174 MHz	FX	20K0F1D 20K0F3E 20K0F2D 20K0F3D 20K0F1E	100 W (ERP)	
150.95 MHz	FX	20K0F2D 20K0F3D 20K0F1D	100 W (ERP)	
152.84 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
153.11 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
153.32 MHz	FX	20K0F3E 20K0F1E 20K0F2D 20K0F3D	100 W (ERP)	

Frequency Information

Fort Lauderdale (BROWARD), FL - NL 26-08-51; WL 80-15-15; MOBILE: Fort Lauderdale, FL, within 40 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
153.32 MHz	FX	20K0F1D	100 W (ERP)	
159.405 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E 20K0F7D	100 W (ERP)	
159.42 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E 20K0F7D	100 W (ERP)	
450-512 MHz	FX	20K0F1D 20K0F3E 20K0F2D 20K0F3D 20K0F1E	100 W (ERP)	
451.65 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
451.75 MHz	FX	20K0F2D	100 W (ERP)	

Frequency Information

Fort Lauderdale (BROWARD), FL - NL 26-08-51; WL 80-15-15; MOBILE: Fort Lauderdale, FL, within 40 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
451.75 MHz	FX	20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
453.435 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
508.6875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
508.9875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
851.2625 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	

Frequency Information

Fort Lauderdale (BROWARD), FL - NL 26-08-51; WL 80-15-15; MOBILE: Fort Lauderdale, FL, within 40 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
854.9875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
855.7375 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
856.3625 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
856.3875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
856.9875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	

Frequency Information

Fort Lauderdale (BROWARD), FL - NL 26-08-51; WL 80-15-15; MOBILE: Fort Lauderdale, FL, within 40 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
857.3875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
858.3875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
859.3875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
860.3625 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
860.3875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	

Frequency Information

Fort Lauderdale (BROWARD), FL - NL 26-08-51; WL 80-15-15; MOBILE: Fort Lauderdale, FL, within 40 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
860.7625 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	1000 W (ERP)	
864.05-868.15 MHz	FX	120KF1D 120KF1E	1 W (ERP)	
866.0125-868.0125 MHz	FX	20K0F2D 20K0F3E 20K0F3D 20K0F1D 20K0F1E	1000 W (ERP)	
869.9875 MHz	FX	20K0F1D 20K0F3E	1000 W (ERP)	
929-932 MHz	FX	20K0F2D 20K0F3E 20K0F3D 20K0F1D 20K0F1E	1000 W (ERP)	
935-941 MHz	FX	20K0F1D 16K0F3E 20K0F2D	1000 W (ERP)	

Frequency Information

Fort Lauderdale (BROWARD), FL - NL 26-08-51; WL 80-15-15; MOBILE: Fort Lauderdale, FL, within 40 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
935-941 MHz	FX	20K0F1E	1000 W (ERP)	

Boca Raton (PALM BEACH), FL - NL 26-21-54; WL 80-06-08; MOBILE: Boca Raton, FL, within 40 km, centered around NL 26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
46.14 MHz	FX	20K0F2D 20K0F3E 20K0F3D 20K0F1D 20K0F1E	100 W (ERP)	
138-144 MHz	FX	20K0F1D 20K0F3E 20K0F2D 20K0F3D 20K0F1E	100 W (ERP)	
148-174 MHz	FX	20K0F1D 20K0F3E 20K0F2D 20K0F3D 20K0F1E	100 W (ERP)	
150.95 MHz	FX	20K0F2D 20K0F3D 20K0F1D	100 W (ERP)	

Frequency Information

Boca Raton (PALM BEACH), FL - NL 26-21-54; WL 80-06-08; MOBILE: Boca Raton, FL, within 40 km, centered around NL 26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
152.84 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
153.11 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
153.32 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
159.405 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E 20K0F7D	100 W (ERP)	
159.42 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	

Frequency Information

Boca Raton (PALM BEACH), FL - NL 26-21-54; WL 80-06-08; MOBILE: Boca Raton, FL, within 40 km, centered around NL 26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
159.42 MHz	FX	20K0F7D	100 W (ERP)	
450-512 MHz	FX	20K0F1D 20K0F3E 20K0F2D 20K0F3D 20K0F1E	100 W (ERP)	
451.65 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
451.75 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
453.435 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
508.6875 MHz	FX	20K0F2D 20K0F3D 20K0F1D	100 W (ERP)	

Frequency Information

Boca Raton (PALM BEACH), FL - NL 26-21-54; WL 80-06-08; MOBILE: Boca Raton, FL, within 40 km, centered around NL 26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
508.6875 MHz	FX	20K0F3E 20K0F1E	100 W (ERP)	
508.9875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
851.2625 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
854.9875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
855.7375 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
856.3625 MHz	FX	20K0F2D 20K0F3D	40 W (ERP)	

Frequency Information

Boca Raton (PALM BEACH), FL - NL 26-21-54; WL 80-06-08; MOBILE: Boca Raton, FL, within 40 km, centered around NL 26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
856.3625 MHz	FX	20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
856.3875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
856.9875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
857.3875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
858.3875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
859.3875 MHz	FX	20K0F2D	40 W (ERP)	

Frequency Information

Boca Raton (PALM BEACH), FL - NL 26-21-54; WL 80-06-08; MOBILE: Boca Raton, FL, within 40 km, centered around NL 26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
859.3875 MHz	FX	20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
860.3625 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
860.3875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
860.7625 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	1000 W (ERP)	
864.05-868.15 MHz	FX	120KF1D 120KF1E	1 W (ERP)	
866.0125-868.0125 MHz	FX	20K0F2D 20K0F3E 20K0F3D	1000 W (ERP)	

Frequency Information

Boca Raton (PALM BEACH), FL - NL 26-21-54; WL 80-06-08; MOBILE: Boca Raton, FL, within 40 km, centered around NL 26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866.0125-868.0125 MHz	FX	20K0F1D 20K0F1E	1000 W (ERP)	
869.9875 MHz	FX	20K0F1D 20K0F3E	1000 W (ERP)	
929-932 MHz	FX	20K0F2D 20K0F3E 20K0F3D 20K0F1D 20K0F1E	1000 W (ERP)	
935-941 MHz	FX	20K0F1D 16K0F3E 20K0F2D 20K0F1E	1000 W (ERP)	

Coral Springs (BROWARD), FL - NL 26-16-21; WL 80-14-51; MOBILE: Coral Springs, FL, within 40 km, centered around NL 26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
46.14 MHz	FX	20K0F2D 20K0F3E 20K0F3D 20K0F1D 20K0F1E	100 W (ERP)	

Frequency Information

Coral Springs (BROWARD), FL - NL 26-16-21; WL 80-14-51; MOBILE: Coral Springs, FL, within 40 km, centered around NL 2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138-144 MHz	FX	20K0F1D 20K0F3E 20K0F2D 20K0F3D 20K0F1E	100 W (ERP)	
148-174 MHz	FX	20K0F1D 20K0F3E 20K0F2D 20K0F3D 20K0F1E	100 W (ERP)	
150.95 MHz	FX	20K0F2D 20K0F3D 20K0F1D	100 W (ERP)	
152.84 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
153.11 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
153.32 MHz	FX	20K0F2D	100 W (ERP)	

Frequency Information

Coral Springs (BROWARD), FL - NL 26-16-21; WL 80-14-51; MOBILE: Coral Springs, FL, within 40 km, centered around NL 2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
153.32 MHz	FX	20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
159.405 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E 20K0F7D	100 W (ERP)	
159.42 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E 20K0F7D	100 W (ERP)	
450-512 MHz	FX	20K0F1D 20K0F3E 20K0F2D 20K0F3D 20K0F1E	100 W (ERP)	
451.65 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E	100 W (ERP)	

Frequency Information

Coral Springs (BROWARD), FL - NL 26-16-21; WL 80-14-51; MOBILE: Coral Springs, FL, within 40 km, centered around NL 2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
451.65 MHz	FX	20K0F1E	100 W (ERP)	
451.75 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
453.435 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
508.6875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
508.9875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	100 W (ERP)	
851.2625 MHz	FX	20K0F2D 20K0F3D 20K0F1D	100 W (ERP)	

Frequency Information

Coral Springs (BROWARD), FL - NL 26-16-21; WL 80-14-51; MOBILE: Coral Springs, FL, within 40 km, centered around NL 2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
851.2625 MHz	FX	20K0F3E 20K0F1E	100 W (ERP)	
854.9875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
855.7375 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
856.3625 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
856.3875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
856.9875 MHz	FX	20K0F2D 20K0F3D	40 W (ERP)	

Frequency Information

Coral Springs (BROWARD), FL - NL 26-16-21; WL 80-14-51; MOBILE: Coral Springs, FL, within 40 km, centered around NL 2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
856.9875 MHz	FX	20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
857.3875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
858.3875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
859.3875 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
860.3625 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
860.3875 MHz	FX	20K0F2D	40 W (ERP)	

Frequency Information

Coral Springs (BROWARD), FL - NL 26-16-21; WL 80-14-51; MOBILE: Coral Springs, FL, within 40 km, centered around NL 2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
860.3875 MHz	FX	20K0F3D 20K0F1D 20K0F3E 20K0F1E	40 W (ERP)	
860.7625 MHz	FX	20K0F2D 20K0F3D 20K0F1D 20K0F3E 20K0F1E	1000 W (ERP)	
864.05-868.15 MHz	FX	120KF1D 120KF1E	1 W (ERP)	
866.0125-868.0125 MHz	FX	20K0F2D 20K0F3E 20K0F3D 20K0F1D 20K0F1E	1000 W (ERP)	
869.9875 MHz	FX	20K0F1D 20K0F3E	1000 W (ERP)	
929-932 MHz	FX	20K0F2D 20K0F3E 20K0F3D 20K0F1D	1000 W (ERP)	

Frequency Information

Coral Springs (BROWARD), FL - NL 26-16-21; WL 80-14-51; MOBILE: Coral Springs, FL, within 40 km, centered around NL 2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
929-932 MHz	FX	20K0F1E	1000 W (ERP)	
935-941 MHz	FX	20K0F1D 16K0F3E 20K0F2D 20K0F1E	1000 W (ERP)	

Special Conditions:

- (1) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (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) 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.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) Any transmissions affecting frequency bands 157.2-157.425 and 161.8-162.025 MHz should first be coordinated with auction licensee MariTEL Southern Atlantic, Inc., c/o Mintz Levin et al; 701 Pennsylvania Ave., NW, Washington, DC 20004, Attn: Russell H. Fox Phone (202) 434-7483.
- (6) Transmissions on frequencies allocated to Part 90 Public Safety or Business Industrial services should be coordinated with the designated frequency coordinator.
- (7) Operation in the frequency bands 138-144 MHz and 148-174 MHz is subject to prior coordination with the Eastern Area Frequency Coordinator at (321) 494-5838.
- (8) Licensee should be aware that US Army, US Navy and Federal Aviation Administration stations are licensed in the frequency bands 138-144 MHz and 148-174 MHz, and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.