

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

KQ2XIU

(Call Sign)

0261-EX-RR-2014

(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) MOBILE: Fort Lauderdale, FL, within 161 km, centered around NL 26-08-51; WL 80-15-15

Frequency Information

MOBILE: Fort Lauderdale, FL, within 161 km, centered around NL 26-08-51; WL 80-15-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
45.18 MHz	MO	20K0F2D 20K0F3E 20K0F3D	110 W (ERP)	
46.14 MHz	MO	20K0F2D 20K0F3E 20K0F3D	110 W (ERP)	
138-144 MHz	MO	11K0F3E 8K10F1E	200 W (ERP)	

This authorization effective August 01, 2014 and
will expire 3:00 A.M. EST August 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Fort Lauderdale, FL, within 161 km, centered around NL 26-08-51; WL 80-15-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138-144 MHz	MO	8K10F1D	200 W (ERP)	
148-174 MHz	MO	11K0F3E 8K10F1E 8K10F1D	200 W (ERP)	
148-150.8 MHz	MO	8K10F1D 8K10F1E 11K0F3E	200 W (ERP)	
150.95 MHz	MO	20K0F2D 20K0F3E 20K0F3D	200 W (ERP)	
151.115 MHz	MO	20K0F2D 20K0F3E 20K0F3D	200 W (ERP)	
151.185 MHz	MO	20K0F2D 20K0F3E 20K0F3D	200 W (ERP)	
152.84 MHz	MO	20K0F2D 20K0F3E 20K0F3D	200 W (ERP)	

Frequency Information

MOBILE: Fort Lauderdale, FL, within 161 km, centered around NL 26-08-51; WL 80-15-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
153.11 MHz	MO	20K0F2D 20K0F3E 20K0F3D	200 W (ERP)	
153.32 MHz	MO	20K0F2D 20K0F3E 20K0F3D	200 W (ERP)	
157.0375-157.1875 MHz	MO	8K10F1D 8K10F1E 11K0F3E	200 W (ERP)	
159.405 MHz	MO	20K0F2D 20K0F3E 20K0F3D	200 W (ERP)	
159.42 MHz	MO	20K0F2D 20K0F3E 20K0F3D	200 W (ERP)	
162.0125-173.2 MHz	MO	11K0F3E 8K10F1E 8K10F1D	200 W (ERP)	
173.4-174 MHz	MO	11K0F3E 8K10F1E	200 W (ERP)	

Frequency Information

MOBILE: Fort Lauderdale, FL, within 161 km, centered around NL 26-08-51; WL 80-15-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
173.4-174 MHz	MO	8K10F1D	200 W (ERP)	
450-460 MHz	MO	20K0F2D 20K0F3E 20K0F3D	110 W (ERP)	
451.2625 MHz	MO	20K0F2D 20K0F3E 20K0F3D	110 W (ERP)	
451.3625 MHz	MO	20K0F2D 20K0F3E 20K0F3D	2 W (ERP)	
451.65 MHz	MO	20K0F2D 20K0F3E 20K0F3D	110 W (ERP)	
451.75 MHz	MO	20K0F2D 20K0F3E 20K0F3D	110 W (ERP)	
452.2375 MHz	MO	20K0F2D 20K0F3E 20K0F3D	2 W (ERP)	

Frequency Information

MOBILE: Fort Lauderdale, FL, within 161 km, centered around NL 26-08-51; WL 80-15-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
452.325 MHz	MO	20K0F2D 20K0F3E 20K0F3D	110 W (ERP)	
452.5875 MHz	MO	20K0F2D 20K0F3E 20K0F3D	2 W (ERP)	
453.0625 MHz	MO	20K0F2D 20K0F3E 20K0F3D	2 W (ERP)	
453.4375 MHz	MO	20K0F2D 20K0F3E 20K0F3D	2 W (ERP)	
453.9875 MHz	MO	20K0F2D 20K0F3E 20K0F3D	2 W (ERP)	
456.0875 MHz	MO	20K0F2D 20K0F3E 20K0F3D	2 W (ERP)	
456.3625 MHz	MO	20K0F2D 20K0F3E	2 W (ERP)	

Frequency Information

MOBILE: Fort Lauderdale, FL, within 161 km, centered around NL 26-08-51; WL 80-15-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
456.3625 MHz	MO	20K0F3D	2 W (ERP)	
456.65 MHz	MO	20K0F2D 20K0F3E 20K0F3D	110 W (ERP)	
456.75 MHz	MO	20K0F2D 20K0F3E 20K0F3D	110 W (ERP)	
457.325 MHz	MO	20K0F2D 20K0F3E 20K0F3D	110 W (ERP)	
457.5875 MHz	MO	20K0F2D 20K0F3E 20K0F3D	2 W (ERP)	
457.6875 MHz	MO	20K0F2D 20K0F3E 20K0F3D	2 W (ERP)	
458.5875 MHz	MO	20K0F2D 20K0F3E 20K0F3D	2 W (ERP)	

Frequency Information

MOBILE: Fort Lauderdale, FL, within 161 km, centered around NL 26-08-51; WL 80-15-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
460-470 MHz	MO	20K0F3D 20K0F3E 20K0F2D	100 W (ERP)	
460.5625 MHz	MO	20K0F2D 20K0F3E 20K0F3D	100 W (ERP)	
460.9875 MHz	MO	20K0F2D 20K0F3E 20K0F3D	100 W (ERP)	
462.3125 MHz	MO	20K0F2D 20K0F3E 20K0F3D	100 W (ERP)	
462.4375 MHz	MO	20K0F2D 20K0F3E 20K0F3D	100 W (ERP)	
463.0625 MHz	MO	20K0F2D 20K0F3E 20K0F3D	100 W (ERP)	
463.1625 MHz	MO	20K0F2D 20K0F3E	100 W (ERP)	

Frequency Information

MOBILE: Fort Lauderdale, FL, within 161 km, centered around NL 26-08-51; WL 80-15-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
463.1625 MHz	MO	20K0F3D	100 W (ERP)	
465.8375 MHz	MO	20K0F2D 20K0F3E 20K0F3D	100 W (ERP)	
465.9875 MHz	MO	20K0F2D 20K0F3E 20K0F3D	100 W (ERP)	
467.5625 MHz	MO	20K0F2D 20K0F3E 20K0F3D	100 W (ERP)	
469.5375 MHz	MO	20K0F2D 20K0F3E 20K0F3D	100 W (ERP)	
470-512 MHz	MO	20K0F2D 20K0F3E 20K0F3D	110 W (ERP)	
508.6875 MHz	MO	20K0F2D 20K0F3E 20K0F3D	110 W (ERP)	

Frequency Information

MOBILE: Fort Lauderdale, FL, within 161 km, centered around NL 26-08-51; WL 80-15-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
508.9875 MHz	MO	20K0F2D 20K0F3E 20K0F3D	110 W (ERP)	
511.5875 MHz	MO	20K0F2D 20K0F3E 20K0F3D	110 W (ERP)	
511.6875 MHz	MO	20K0F2D 20K0F3E 20K0F3D	110 W (ERP)	
806.2625 MHz	MO	20K0F2D 20K0F3E 20K0F3D	110 W (ERP)	
806.7625 MHz	MO	20K0F2D 20K0F3E 20K0F3D	110 W (ERP)	
809.9875 MHz	MO	20K0F2D 20K0F3E 20K0F3D 20K0F1D 20K0F1E	35 W (ERP)	
810.7375 MHz	MO	20K0F2D	35 W (ERP)	

Frequency Information

MOBILE: Fort Lauderdale, FL, within 161 km, centered around NL 26-08-51; WL 80-15-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
810.7375 MHz	MO	20K0F3E 20K0F3D 20K0F1D 20K0F1E	35 W (ERP)	
811.3625 MHz	MO	20K0F2D 20K0F3E 20K0F3D 20K0F1D 20K0F1E	35 W (ERP)	
811.3875 MHz	MO	20K0F2D 20K0F3E 20K0F3D 20K0F1D 20K0F1E	35 W (ERP)	
811.9875 MHz	MO	20K0F2D 20K0F3E 20K0F3D 20K0F1D 20K0F1E	35 W (ERP)	
812.3625 MHz	MO	20K0F2D 20K0F3E 20K0F3D 20K0F1D 20K0F1E	35 W (ERP)	

Frequency Information

MOBILE: Fort Lauderdale, FL, within 161 km, centered around NL 26-08-51; WL 80-15-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
812.3875 MHz	MO	20K0F2D 20K0F3E 20K0F3D 20K0F1D 20K0F1E	35 W (ERP)	
813.3875 MHz	MO	20K0F2D 20K0F3E 20K0F3D 20K0F1D 20K0F1E	35 W (ERP)	
814.3625 MHz	MO	20K0F2D 20K0F3E 20K0F3D 20K0F1D 20K0F1E	35 W (ERP)	
814.3875 MHz	MO	20K0F2D 20K0F3E 20K0F3D 20K0F1D 20K0F1E	35 W (ERP)	
815.3625 MHz	MO	20K0F2D 20K0F3E 20K0F3D 20K0F1D 20K0F1E	35 W (ERP)	

Frequency Information

MOBILE: Fort Lauderdale, FL, within 161 km, centered around NL 26-08-51; WL 80-15-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
815.3875 MHz	MO	20K0F2D 20K0F3E 20K0F3D 20K0F1D 20K0F1E	35 W (ERP)	
815.7625 MHz	MO	20K0F2D 20K0F3E 20K0F3D	110 W (ERP)	
821.0125-823.0125 MHz	MO	15K0F2D 16K0F3E 16K0F3D	350 W (ERP)	
824.9875 MHz	MO	20K0F3E 20K0F1D	4 W (ERP)	
864.15-868.05 MHz	MO	120KF1D 120KF1E	0.1 W (ERP)	
869.9875 MHz	MO	20K0F3E 20K0F1D	4 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.

Special Conditions:

- (2) Operation is subject to prior coordination with the Associated Public Safety Communications Officers, Inc. (APCO); ATTN: Director of Frequency Coordination; 351 North Williamson Blvd.; Daytona Beach, FL 32114-1112; Telephone: (386) 322-2500.
- (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (6) Operations using Part 73 or Part 74 frequencies are subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.