

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

EXPERIMENTAL

(Nature of Service)

KQ2XIU

(Call Sign)

XD MO

(Class of Station)

0087-EX-RR-2000

(File Number)

NAME MOTOROLA, 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. 5.202(i) of the Commission's Rules

Station Locations

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

Frequency Information

MOBILE: , 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	110 W (Output Power)	0.005 %
45.18 MHz	MO	20K0F3E	110 W (Output Power)	0.005 %
45.18 MHz	MO	20K0F3D	110 W (Output Power)	0.005 %
46.14 MHz	MO	20K0F3D	110 W (Output Power)	0.005 %
46.14 MHz	MO	20K0F3E	110 W (Output Power)	0.005 %
46.14 MHz	MO	20K0F2D	110 W (Output Power)	0.005 %
138-144 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %
138-144 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
138-144 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
148-174 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %
148-174 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
148-174 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
150.95 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %
150.95 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
150.95 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
151.115 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %

This authorization effective June 01, 2000 and
will expire 3:00 A.M. EST June 01, 2002

FEDERAL
COMMUNICATIONS
COMMISSION



Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151.115 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
151.115 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
151.185 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %
151.185 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
151.185 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
152.84 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %
152.84 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
152.84 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
153.11 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %
153.11 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
153.11 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
153.32 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %
153.32 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
153.32 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
159.405 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %
159.405 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
159.405 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
159.42 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %
159.42 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
159.42 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
450-512 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %
450-512 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
450-512 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
451.2625 MHz	MO	20K0F3E	110 W (Output Power)	0.00015 %
451.2625 MHz	MO	20K0F2D	110 W (Output Power)	0.00015 %
451.2625 MHz	MO	20K0F3D	110 W (Output Power)	0.00015 %
451.3625 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %
451.3625 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
451.3625 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
451.65 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %
451.65 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
451.65 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
451.75 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %
451.75 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
451.75 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
452.2375 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %
452.2375 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
452.2375 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
452.325 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %

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452.325 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
452.325 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
452.5875 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %
452.5875 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
452.5875 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
453.0625 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %
453.0625 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
453.0625 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
453.4375 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %
453.4375 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
453.4375 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
453.9875 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %
453.9875 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
453.9875 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
456.0875 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %
456.0875 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
456.0875 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
456.3625 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
456.3625 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %
456.3625 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
456.65 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %
456.65 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
456.65 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
456.75 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %
456.75 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
456.75 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
457.325 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %
457.325 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
457.325 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
457.5875 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %
457.5875 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
457.5875 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
457.6875 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %
457.6875 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
457.6875 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
458.5875 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %
458.5875 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
458.5875 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
460.5625 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
460.5625 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
460.5625 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
460.9875 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %
460.9875 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
460.9875 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
462.3125 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %
462.3125 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
462.3125 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
462.4375 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %
462.4375 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
462.4375 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
463.0625 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %
463.0625 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
463.0625 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
463.1625 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %
463.1625 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
463.1625 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
465.8375 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %
465.8375 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
465.8375 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
465.9875 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %
465.9875 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
465.9875 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
467.5625 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %
467.5625 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
467.5625 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
469.5375 MHz	MO	20K0F3D	2 W (Output Power)	0.002 %
469.5375 MHz	MO	20K0F3E	2 W (Output Power)	0.002 %
469.5375 MHz	MO	20K0F2D	2 W (Output Power)	0.002 %
508.6875 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %
508.6875 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
508.6875 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
508.9875 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %
508.9875 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
508.9875 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
511.5875 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %
511.5875 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
511.5875 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
511.6875 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %

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511.6875 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
511.6875 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
806.2625 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %
806.2625 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
806.2625 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
806.7625 MHz	MO	20K0F3D	110 W (Output Power)	0.002 %
806.7625 MHz	MO	20K0F3E	110 W (Output Power)	0.002 %
806.7625 MHz	MO	20K0F2D	110 W (Output Power)	0.002 %
809.9875 MHz	MO	20K0F1E	35 W (Output Power)	0.002 %
809.9875 MHz	MO	20K0F1D	35 W (Output Power)	0.002 %
809.9875 MHz	MO	20K0F3D	35 W (Output Power)	0.002 %
809.9875 MHz	MO	20K0F3E	35 W (Output Power)	0.002 %
809.9875 MHz	MO	20K0F2D	35 W (Output Power)	0.002 %
810.7375 MHz	MO	20K0F1E	35 W (Output Power)	0.002 %
810.7375 MHz	MO	20K0F1D	35 W (Output Power)	0.002 %
810.7375 MHz	MO	20K0F3D	35 W (Output Power)	0.002 %
810.7375 MHz	MO	20K0F3E	35 W (Output Power)	0.002 %
810.7375 MHz	MO	20K0F2D	35 W (Output Power)	0.002 %
811.3625 MHz	MO	20K0F1E	35 W (Output Power)	0.002 %
811.3625 MHz	MO	20K0F1D	35 W (Output Power)	0.002 %
811.3625 MHz	MO	20K0F3D	35 W (Output Power)	0.002 %
811.3625 MHz	MO	20K0F3E	35 W (Output Power)	0.002 %
811.3625 MHz	MO	20K0F2D	35 W (Output Power)	0.002 %
811.3875 MHz	MO	20K0F1E	35 W (Output Power)	0.002 %
811.3875 MHz	MO	20K0F1D	35 W (Output Power)	0.002 %
811.3875 MHz	MO	20K0F3D	35 W (Output Power)	0.002 %
811.3875 MHz	MO	20K0F3E	35 W (Output Power)	0.002 %
811.3875 MHz	MO	20K0F2D	35 W (Output Power)	0.002 %
811.9875 MHz	MO	20K0F1E	35 W (Output Power)	0.002 %
811.9875 MHz	MO	20K0F1D	35 W (Output Power)	0.002 %
811.9875 MHz	MO	20K0F3D	35 W (Output Power)	0.002 %
811.9875 MHz	MO	20K0F3E	35 W (Output Power)	0.002 %
811.9875 MHz	MO	20K0F2D	35 W (Output Power)	0.002 %
812.3625 MHz	MO	20K0F1E	35 W (Output Power)	0.002 %
812.3625 MHz	MO	20K0F1D	35 W (Output Power)	0.002 %
812.3625 MHz	MO	20K0F3D	35 W (Output Power)	0.002 %
812.3625 MHz	MO	20K0F3E	35 W (Output Power)	0.002 %
812.3625 MHz	MO	20K0F2D	35 W (Output Power)	0.002 %
812.3875 MHz	MO	20K0F1E	35 W (Output Power)	0.002 %

Frequency Information

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812.3875 MHz	MO	20K0F1D	35 W (Output Power)	0.002 %
812.3875 MHz	MO	20K0F3D	35 W (Output Power)	0.002 %
812.3875 MHz	MO	20K0F3E	35 W (Output Power)	0.002 %
812.3875 MHz	MO	20K0F2D	35 W (Output Power)	0.002 %
813.3875 MHz	MO	20K0F1E	35 W (Output Power)	0.002 %
813.3875 MHz	MO	20K0F1D	35 W (Output Power)	0.002 %
813.3875 MHz	MO	20K0F3D	35 W (Output Power)	0.002 %
813.3875 MHz	MO	20K0F3E	35 W (Output Power)	0.002 %
813.3875 MHz	MO	20K0F2D	35 W (Output Power)	0.002 %
814.3625 MHz	MO	20K0F1E	35 W (Output Power)	0.002 %
814.3625 MHz	MO	20K0F1D	35 W (Output Power)	0.002 %
814.3625 MHz	MO	20K0F3D	35 W (Output Power)	0.002 %
814.3625 MHz	MO	20K0F3E	35 W (Output Power)	0.002 %
814.3625 MHz	MO	20K0F2D	35 W (Output Power)	0.002 %
814.3875 MHz	MO	20K0F1E	35 W (Output Power)	0.002 %
814.3875 MHz	MO	20K0F1D	35 W (Output Power)	0.002 %
814.3875 MHz	MO	20K0F3D	35 W (Output Power)	0.002 %
814.3875 MHz	MO	20K0F3E	35 W (Output Power)	0.002 %
814.3875 MHz	MO	20K0F2D	35 W (Output Power)	0.002 %
815.3625 MHz	MO	20K0F1E	35 W (Output Power)	0.002 %
815.3625 MHz	MO	20K0F1D	35 W (Output Power)	0.002 %
815.3625 MHz	MO	20K0F3D	35 W (Output Power)	0.002 %
815.3625 MHz	MO	20K0F3E	35 W (Output Power)	0.002 %
815.3625 MHz	MO	20K0F2D	35 W (Output Power)	0.002 %
815.3875 MHz	MO	20K0F1E	35 W (Output Power)	0.002 %
815.3875 MHz	MO	20K0F1D	35 W (Output Power)	0.002 %
815.3875 MHz	MO	20K0F3D	35 W (Output Power)	0.002 %
815.3875 MHz	MO	20K0F3E	35 W (Output Power)	0.002 %
815.3875 MHz	MO	20K0F2D	35 W (Output Power)	0.002 %
815.7625 MHz	MO	20K0F3D	110 W (Output Power)	0.00015 %
815.7625 MHz	MO	20K0F3E	110 W (Output Power)	0.00015 %
815.7625 MHz	MO	20K0F2D	110 W (Output Power)	0.00015 %
821.0125-823.0125 MHz	MO	16K0F3D	350 W (ERP)	0.00015 %
821.0125-823.0125 MHz	MO	16K0F3E	350 W (ERP)	0.00015 %
821.0125-823.0125 MHz	MO	15K0F2D	350 W (ERP)	0.00015 %
824.9875 MHz	MO	20K0F1D	4 W (Output Power)	0.002 %
824.9875 MHz	MO	20K0F3E	4 W (Output Power)	0.002 %
864.15-868.05 MHz	MO	120KF1E	0.1 W (ERP)	0.00015 %
864.15-868.05 MHz	MO	120KF1D	0.1 W (ERP)	0.00015 %

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869.9875 MHz	MO	20K0F1D	4 W (Output Power)	0.002 %
869.9875 MHz	MO	20K0F3E	4 W (Output Power)	0.002 %
1457-1477 MHz	MO	20K0F1E	10 W (ERP)	0.0002 %
1457-1477 MHz	MO	15K0F2D	10 W (ERP)	0.0002 %
1457-1477 MHz	MO	16K0F3E	10 W (ERP)	0.0002 %
1457-1477 MHz	MO	16K0F1D	10 W (ERP)	0.0002 %

Special Conditions:

- (1) The station identification requirements of Section 5.152 of the Commission's Rules are waived.
- (2) Operation in the band 1457-1477 MHz is subject to coordination with the Aerospace and Flight Test Radio Coordinating Council (AFTRCC). Phone Mr. Rex Miller 316-523-1004.