

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WE2XSA

(Call Sign)

0044-EX-RR-2009

(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. 5.3(f, g, i) of the Commission's Rules

Station Locations

- (1) Pine Ridge, WY - NL 42-20-47; WL 105-02-12; MOBILE: Pine Ridge, within 80 km, centered around NL 42-20-47; WL 105-02-12
- (2) Virgin Hill, WY - NL 42-02-37; WL 104-41-48; MOBILE: Virgin Hill, within 80 km, centered around NL 42-02-37; WL 104-41-48
- (3) Nine Mile Hill, WY - NL 41-52-52; WL 107-19-23; MOBILE: Nine Mile Hill, within 80 km, centered around NL 41-52-52; WL 107-19-23
- (4) Divide Hill, WY - NL 41-32-56; WL 107-43-01; MOBILE: Divide Hill, WY, within 80 km, centered around NL 41-32-56; WL 107-43-01
- (5) Shirley Mountain, WY - NL 42-09-52; WL 106-34-37; MOBILE: Shirley Mountain, WY, within 80 km, centered around NL 42-09-52; WL 106-34-37
- (6) 77 Hill, WY - NL 42-50-40; WL 104-37-02; MOBILE: 77 Hill, WY, within 80 km, centered around NL 42-50-40; WL 104-37-02
- (7) Muddy Gap, WY - NL 42-21-16; WL 107-29-23; MOBILE: Muddy Gap, WY, within 80 km, centered around NL 42-21-16; WL 107-29-23
- (8) Morton Hill, WY - NL 42-54-36; WL 105-19-50; MOBILE: Morton Hill, WY, within 80 km, centered around NL 42-54-36; WL 105-19-50
- (9) Casper Mountain, WY - NL 42-44-52; WL 106-18-11; MOBILE: Casper Mountain, WY, within 80 km, centered around NL 42-44-52; WL 106-18-11
- (10) Casper POE, WY - NL 42-52-05; WL 106-21-25; MOBILE: Casper POE, WY, within 80 km, centered around NL 42-52-05; WL 106-21-25
- (11) Waltman Hill, WY - NL 43-02-14; WL 107-17-19; MOBILE: Waltman Hill, WY, within 80 km, centered around NL 43-02-14; WL 107-17-19
- (12) Strouss Hill, WY - NL 41-29-18; WL 106-03-00; MOBILE: Strouss Hill, WY, within 80 km, centered around NL 41-29-18; WL 106-03-00
- (13) Baggs Hill, WY, WY - NL 41-00-21; WL 107-37-19; MOBILE: Baggs Hill, WY, within 80 km, centered around NL 41-00-21; WL 107-37-19

This authorization effective May 01, 2009 and
will expire 3:00 A.M. EST May 01, 2010

FEDERAL
COMMUNICATIONS
COMMISSION



Station Locations

(14) Shoshoni, WY - NL 43-00-00; WL 108-00-00; MOBILE: Shoshoni, WY, at temporary fixed locations, within 395 km, centered around NL 43-00-00; WL 108-00-00

Frequency Information

Pine Ridge, WY - NL 42-20-47; WL 105-02-12; MOBILE: Pine Ridge, within 80 km, centered around NL 42-20-47; WL 105-02-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-157.0375 MHz	FX	10K0F1D 11K0F3D 8K10F1E	200 W (ERP)	
150.8-157.0375 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	
157.1875-162.0125 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
157.1875-162.0125 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	

Virgin Hill, WY - NL 42-02-37; WL 104-41-48; MOBILE: Virgin Hill, within 80 km, centered around NL 42-02-37; WL 104-41-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-157.0375 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
150.8-157.0375 MHz	MO	10K0F1D	100 W (ERP)	

Frequency Information

Virgin Hill, WY - NL 42-02-37; WL 104-41-48; MOBILE: Virgin Hill, within 80 km, centered around NL 42-02-37; WL 104-41-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-157.0375 MHz	MO	11K0F3E 8K10F1E	100 W (ERP)	
157.1875-162.0125 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
157.1875-162.0125 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	

Nine Mile Hill, WY - NL 41-52-52; WL 107-19-23; MOBILE: Nine Mile Hill, within 80 km, centered around NL 41-52-52; WL 107-19-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-157.0375 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
150.8-157.0375 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	
157.1875-162.0125 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	

Frequency Information

Nine Mile Hill, WY - NL 41-52-52; WL 107-19-23; MOBILE: Nine Mile Hill, within 80 km, centered around NL 41-52-52; WL 10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
157.1875-162.0125 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	

Divide Hill, WY - NL 41-32-56; WL 107-43-01; MOBILE: Divide Hill, WY, within 80 km, centered around NL 41-32-56; WL 107

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-157.0375 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
150.8-157.0375 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	
157.1875-162.0125 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
157.1875-162.0125 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	

Frequency Information

Shirley Mountain, WY - NL 42-09-52; WL 106-34-37; MOBILE: Shirley Mountain, WY, within 80 km, centered around NL 42-0

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-157.0375 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
150.8-157.0375 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	
157.1875-162.0125 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
157.1875-162.0125 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	

77 Hill, WY - NL 42-50-40; WL 104-37-02; MOBILE: 77 Hill, WY, within 80 km, centered around NL 42-50-40; WL 104-37-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-157.0375 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
150.8-157.0375 MHz	MO	10K0F1D 11K0F3E	100 W (ERP)	

Frequency Information

77 Hill, WY - NL 42-50-40; WL 104-37-02; MOBILE: 77 Hill, WY, within 80 km, centered around NL 42-50-40; WL 104-37-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-157.0375 MHz	MO	8K10F1E	100 W (ERP)	
157.1875-162.0125 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
157.1875-162.0125 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	

Muddy Gap, WY - NL 42-21-16; WL 107-29-23; MOBILE: Muddy Gap, WY, within 80 km, centered around NL 42-21-16; WL :

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-157.0375 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
150.8-157.0375 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	
157.1875-162.0125 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	

Frequency Information

Muddy Gap, WY - NL 42-21-16; WL 107-29-23; MOBILE: Muddy Gap, WY, within 80 km, centered around NL 42-21-16; WL :

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
157.1875-162.0125 MHz	MO	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	

Morton Hill, WY - NL 42-54-36; WL 105-19-50; MOBILE: Morton Hill, WY, within 80 km, centered around NL 42-54-36; WL 10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-157.0375 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
150.8-157.0375 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	
157.1875-162.0125 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
157.1875-162.0125 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	

Frequency Information

Casper Mountain, WY - NL 42-44-52; WL 106-18-11; MOBILE: Casper Mountain, WY, within 80 km, centered around NL 42-44-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-157.0375 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
150.8-157.0375 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	
157.1875-162.0125 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
157.1875-162.0125 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	

Casper POE, WY - NL 42-52-05; WL 106-21-25; MOBILE: Casper POE, WY, within 80 km, centered around NL 42-52-05; WL 106-21-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-157.0375 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
150.8-157.0375 MHz	MO	10K0F1D 11K0F3E	100 W (ERP)	

Frequency Information

Casper POE, WY - NL 42-52-05; WL 106-21-25; MOBILE: Casper POE, WY, within 80 km, centered around NL 42-52-05; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-157.0375 MHz	MO	8K10F1E	100 W (ERP)	
157.1875-162.0125 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
157.1875-162.0125 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	

Waltman Hill, WY - NL 43-02-14; WL 107-17-19; MOBILE: Waltman Hill, WY, within 80 km, centered around NL 43-02-14; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-157.0375 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
150.8-157.0375 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	
157.1875-162.0125 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	

Frequency Information

Waltman Hill, WY - NL 43-02-14; WL 107-17-19; MOBILE: Waltman Hill, WY, within 80 km, centered around NL 43-02-14; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
157.1875-162.0125 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	

Strouss Hill, WY - NL 41-29-18; WL 106-03-00; MOBILE: Strouss Hill, WY, within 80 km, centered around NL 41-29-18; WL 1

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-157.0375 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
150.8-157.0375 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	
157.1875-162.0125 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
157.1875-162.0125 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	

Frequency Information

Baggs Hill, WY, WY - NL 41-00-21; WL 107-37-19; MOBILE: Baggs Hill, WY, within 80 km, centered around NL 41-00-21; WI

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-157.0375 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
150.8-157.0375 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	
157.1875-162.0125 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
157.1875-162.0125 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	

Shoshoni, WY - NL 43-00-00; WL 108-00-00; MOBILE: Shoshoni, WY, at temporary fixed locations, within 395 km, centered i

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-157.0375 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
150.8-157.0375 MHz	MO	10K0F1D 11K0F3E	100 W (ERP)	

Frequency Information

Shoshoni, WY - NL 43-00-00; WL 108-00-00; MOBILE: Shoshoni, WY, at temporary fixed locations, within 395 km, centered i

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150.8-157.0375 MHz	MO	8K10F1E	100 W (ERP)	
157.1875-162.0125 MHz	FX	10K0F1D 11K0F3E 8K10F1E	200 W (ERP)	
157.1875-162.0125 MHz	MO	10K0F1D 11K0F3E 8K10F1E	100 W (ERP)	

Special Conditions:

- (1) Operation is 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.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.