

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XE FX MO

(Class of Station)

WC9XQF

(Call Sign)

0275-EX-ST-2017

(File Number)

NAME Motorola Solutions, Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

By this application, Motorola Solutions, Inc., seeks an STA to test and demonstrate prototype hardware and software under development for use outside of the United States that will operate in

Station Locations

- (1) Schaumburg, IL - NL 42-03-44; WL 88-03-08; MOBILE: 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: 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: 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: Temporary fixed base and mobiles near coordinates, within 5 km, cen

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

This authorization effective May 01, 2017 and
will expire 3:00 A.M. EST September 02, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Schaumburg, IL - NL 42-03-44; WL 88-03-08; MOBILE: Temporary fixed base and mobiles near coordinates, within 5 km, cen

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	FX	5M00W7W	38.7 W (ERP)	
		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		
		20M0G1D		
		20M0D7D		
		20M0G2D		

Frequency Information

Schaumburg, IL - NL 42-03-44; WL 88-03-08; MOBILE: Temporary fixed base and mobiles near coordinates, within 5 km, cen

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1452-1492 MHz	MO	5M00D1D	38.7 W (ERP)	
		5M00D7D		
		5M00G2D		
		5M00G1D		
		5M00G7D		
		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		

Frequency Information

Schaumburg, IL - NL 42-03-44; WL 88-03-08; MOBILE: Temporary fixed base and mobiles near coordinates, within 5 km, cen

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

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

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

1370-1390 MHz	MO	5M00D1D 5M00D7D 5M00G2D 5M00G1D 5M00G7D	38.7 W (ERP)	
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Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	MO	5M00W7W	38.7 W (ERP)	
		10M0W7W		
		10M0D1D		
		10M0D7D		
		20M0G7D		
		20M0W7W		
		10M0G1D		
		10M0G2D		
		10M0G7D		
		20M0D1D		
		20M0G1D		
		20M0D7D		
		20M0G2D		
1452-1492 MHz	MO	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: Temporary fixed base and mobiles near coordinates, within 5 km, centerc

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

Winter (SAWYER), WI - NL 45-52-37; WL 90-58-00; MOBILE: Temporary fixed base and mobiles near coordinates, within 10

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

Frequency Information

Winter (SAWYER), WI - NL 45-52-37; WL 90-58-00; MOBILE: Temporary fixed base and mobiles near coordinates, within 10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	FX	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 5M00G7D	38.7 W (ERP)	

Frequency Information

Winter (SAWYER), WI - NL 45-52-37; WL 90-58-00; MOBILE: Temporary fixed base and mobiles near coordinates, within 10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1452-1492 MHz	MO	5M00W7W	38.7 W (ERP)	
		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		

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) Operation is not permitted in 1350-1370 MHz band.