

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WF9XOK

(Call Sign)

0188-EX-ST-2012

(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:

To demonstrate prototype broadband Long-Term Evolution (LTE) devices.

Station Locations

- (1) Chicago, IL - NL 41-51-13; WL 87-37-29; MOBILE: Within 2 miles (3.22 km) of Fixed Base Station., within 3.22 km
- (2) Chicago, IL - NL 41-52-18; WL 87-37-28; MOBILE: Within 2 miles (3.22 km) of Fixed Base Station., within 3.22 km
- (3) Chicago, IL - NL 41-51-38; WL 87-36-36; MOBILE: Within 2 miles (3.22 km) of Fixed Base Station., within 3.22 km
- (4) Chicago, IL - NL 41-53-15; WL 87-36-36; MOBILE: Within 2 miles (3.22 km) of Fixed Base Station., within 3.22 km

Frequency Information

Chicago, IL - NL 41-51-13; WL 87-37-29; MOBILE: Within 2 miles (3.22 km) of Fixed Base Station., within 3.22 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
758-768 MHz	FX	5M00G7D 5M00W7W 5M00D7D 5M00G2D	525 W (ERP)	

This authorization effective March 30, 2012 and
will expire 3:00 A.M. EST October 01, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Chicago, IL - NL 41-51-13; WL 87-37-29; MOBILE: Within 2 miles (3.22 km) of Fixed Base Station., within 3.22 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
758-768 MHz	FX	5M00D7D 10M0G7D 10M0W7W 10M0G2D 10M0D7D	525 W (ERP)	
788-798 MHz	MO	5M00G7D 5M00W7W 5M00D7D 5M00G2D 5M00D7D 10M0G7D 10M0W7W 10M0G2D 10M0D7D	2 W (ERP)	

Chicago, IL - NL 41-52-18; WL 87-37-28; MOBILE: Within 2 miles (3.22 km) of Fixed Base Station., within 3.22 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
758-768 MHz	FX	5M00G7D 5M00W7W 5M00D7D 5M00G2D 5M00D7D 10M0G7D 10M0W7W 10M0G2D 10M0D7D	525 W (ERP)	

Frequency Information

Chicago, IL - NL 41-52-18; WL 87-37-28; MOBILE: Within 2 miles (3.22 km) of Fixed Base Station., within 3.22 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
788-798 MHz	MO	5M00G7D	2 W (ERP)	
		5M00W7W		
		5M00D7D		
		5M00G2D		
		5M00D7D		
		10M0G7D		
		10M0W7W		
		10M0G2D		
		10M0D7D		

Chicago, IL - NL 41-51-38; WL 87-36-36; MOBILE: Within 2 miles (3.22 km) of Fixed Base Station., within 3.22 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
758-768 MHz	FX	5M00G7D	525 W (ERP)	
		5M00W7W		
		5M00D7D		
		5M00G2D		
		5M00D7D		
		10M0G7D		
		10M0W7W		
		10M0G2D		
		10M0D7D		
788-798 MHz	MO	5M00G7D	2 W (ERP)	
		5M00W7W		
		5M00D7D		
		5M00G2D		
		5M00D7D		
		10M0G7D		
		10M0W7W		
		10M0G2D		

Frequency Information

Chicago, IL - NL 41-51-38; WL 87-36-36; MOBILE: Within 2 miles (3.22 km) of Fixed Base Station., within 3.22 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
788-798 MHz	MO	10M0D7D	2 W (ERP)	

Chicago, IL - NL 41-53-15; WL 87-36-36; MOBILE: Within 2 miles (3.22 km) of Fixed Base Station., within 3.22 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
758-768 MHz	FX	5M00G7D	525 W (ERP)	
		5M00W7W		
		5M00D7D		
		5M00G2D		
		5M00D7D		
		10M0G7D		
		10M0W7W		
		10M0G2D		
		10M0D7D		
788-798 MHz	MO	5M00G7D	2 W (ERP)	
		5M00W7W		
		5M00D7D		
		5M00G2D		
		5M00D7D		
		10M0G7D		
		10M0W7W		
		10M0G2D		
		10M0D7D		

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Operation in the 763-768 or 793-798 MHz band requires consent of the Public Safety Spectrum Trust Corporation (PSST) to avoid interference.

Special Conditions:

- (3) All experimental devices will be retrieved by Motorola Solutions, Inc. upon completion of this experiment.