

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

EXPERIMENTAL

(Nature of Service)

WG9XHW

(Call Sign)

XT FX MO

(Class of Station)

0101-EX-ST-2013

(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 test a prototype system for a state government so that it may demonstrate the functionality and capability of the system, determine user acceptability, and obtain needed feedback to improve and

Station Locations

- (1) Pioneer, TN - NL 36-26-29; WL 84-20-36; MOBILE: Pioneer, TN, within 80 km, centered around NL 36-26-29; WL 84-20-36
- (2) Sharps Chapel, TN - NL 36-22-20; WL 83-53-35; MOBILE: Sharps Chapel, TN, within 80 km, centered around NL 36-22-20; WL 83-53-35
- (3) Belvidere, TN - NL 35-05-38; WL 86-07-56; MOBILE: Belvidere, TN, within 80 km, centered around NL 35-05-38; WL 86-07-56
- (4) Crossville, TN - NL 35-46-49; WL 84-58-42; MOBILE: Crossville, TN, within 80 km, centered around NL 35-46-49; WL 84-58-42
- (5) Jasper, TN - NL 35-09-30; WL 85-39-21; MOBILE: Jasper, TN, within 80 km, centered around NL 35-09-30; WL 85-39-21
- (6) Knoxville, TN - NL 35-57-18; WL 83-55-02; MOBILE: Knoxville, TN, at temporary fixed locations, within 250 km, centered around NL 35-57-18; WL 83-55-02

Frequency Information

Pioneer, TN - NL 36-26-29; WL 84-20-36; MOBILE: Pioneer, TN, within 80 km, centered around NL 36-26-29; WL 84-20-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
152.015-152.225 MHz	FX	8K30F1W	150 W (ERP)	

This authorization effective March 08, 2013 and
will expire 3:00 A.M. EST August 09, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Pioneer, TN - NL 36-26-29; WL 84-20-36; MOBILE: Pioneer, TN, within 80 km, centered around NL 36-26-29; WL 84-20-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
152.015-152.225 MHz	FX	9K80D7W	150 W (ERP)	
152.495-152.825 MHz	FX	8K30F1W 9K80D7W	150 W (ERP)	
157.755-158.085 MHz	MO	8K30F1W 9K80D7W	50 W (ERP)	
158.475-158.685 MHz	MO	8K30F1W 9K80D7W	50 W (ERP)	

Sharps Chapel, TN - NL 36-22-20; WL 83-53-35; MOBILE: Sharps Chapel, TN, within 80 km, centered around NL 36-22-20; 1

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
152.015-152.225 MHz	FX	8K30F1W 9K80D7W	50 W (ERP)	
152.495-152.825 MHz	FX	8K30F1W 9K80D7W	50 W (ERP)	
157.755-158.085 MHz	MO	8K30F1W 9K80D7W	50 W (ERP)	

Frequency Information

Sharps Chapel, TN - NL 36-22-20; WL 83-53-35; MOBILE: Sharps Chapel, TN, within 80 km, centered around NL 36-22-20; 1

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
158.475-158.685 MHz	MO	8K30F1W 9K80D7W	50 W (ERP)	

Belvidere, TN - NL 35-05-38; WL 86-07-56; MOBILE: Belvidere, TN, within 80 km, centered around NL 35-05-38; WL 86-07-5

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
152.015-152.225 MHz	FX	8K30F1W 9K80D7W	450 W (ERP)	
152.495-152.825 MHz	FX	8K30F1W 9K80D7W	450 W (ERP)	
157.755-158.085 MHz	MO	8K30F1W 9K80D7W	50 W (ERP)	
158.475-158.685 MHz	MO	8K30F1W 9K80D7W	50 W (ERP)	

Crossville, TN - NL 35-46-49; WL 84-58-42; MOBILE: Crossville, TN, within 80 km, centered around NL 35-46-49; WL 84-58-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
152.015-152.225 MHz	FX	8K30F1W 9K80D7W	75 W (ERP)	

Frequency Information

Crossville, TN - NL 35-46-49; WL 84-58-42; MOBILE: Crossville, TN, within 80 km, centered around NL 35-46-49; WL 84-58-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
152.495-152.825 MHz	FX	8K30F1W 9K80D7W	75 W (ERP)	
157.755-158.085 MHz	MO	8K30F1W 9K80D7W	50 W (ERP)	
158.475-158.685 MHz	MO	10K0F1D 9K80D7W	50 W (ERP)	

Jasper, TN - NL 35-09-30; WL 85-39-21; MOBILE: Jasper, TN, within 80 km, centered around NL 35-09-30; WL 85-39-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
152.015-152.225 MHz	FX	8K30F1W 9K80D7W	150 W (ERP)	
152.495-152.825 MHz	FX	8K30F1W 9K80D7W	150 W (ERP)	
157.755-158.085 MHz	MO	8K30F1W 9K80D7W	50 W (ERP)	
158.475-158.685 MHz	MO	8K30F1W 9K80D7W	50 W (ERP)	

Frequency Information

Knoxville, TN - NL 35-57-18; WL 83-55-02; MOBILE: Knoxville, TN, at temporary fixed locations, within 250 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
152.015-152.225 MHz	FX	8K30F1W 9K80D7W	150 W (ERP)	
152.495-152.825 MHz	FX	8K30F1W 9K80D7W	150 W (ERP)	
157.755-158.085 MHz	MO	8K30F1W 9K80D7W	50 W (ERP)	
158.475-158.685 MHz	MO	8K30F1W 9K80D7W	50 W (ERP)	

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) 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) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 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.