

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

EXPERIMENTAL

(Nature of Service)

WO9XQE

(Call Sign)

XT FX MO

(Class of Station)

0932-EX-ST-2019

(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:

MSI requests authority to perform very low power testing of two-way mobile radio systems designed to operate under the TETRA and Project 25 standards at its Elgin, Illinois facility.

Station Locations

- (1) Elgin (KANE), IL - NL 42-05-52; WL 88-20-40; MOBILE: Indoors at manufacturing plant, within 0.25 km, centered around NL 42-05-52; WL 88-20-40

Frequency Information

Elgin (KANE), IL - NL 42-05-52; WL 88-20-40; MOBILE: Indoors at manufacturing plant, within 0.25 km, centered around NL 4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
250-270 MHz	FX	21K0D1W	10 uW (ERP)	0.01 %
250-270 MHz	MO	21K0D1W	10 uW (ERP)	0.001 %
350-400 MHz	FX	21K0D1W 8K10F1D	10 uW (ERP)	0.001 %

This authorization effective June 15, 2019 and
will expire 3:00 A.M. EST December 16, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Elgin (KANE), IL - NL 42-05-52; WL 88-20-40; MOBILE: Indoors at manufacturing plant, within 0.25 km, centered around NL 4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
350-400 MHz	FX	9K80D7W 8K10F1E 8K10F1W 9K80F1D 9K80F1E 9K80F1W	10 uW (ERP)	0.001 %
350-400 MHz	MO	21K0D1W 8K10F1D 8K10F1E 8K10F1W 9K80D7W 9K80F1D 9K80F1E 9K80F1W	10 uW (ERP)	0.001 %
406.1-430 MHz	FX	21K0D1W	10 uW (ERP)	0.001 %
406.1-430 MHz	MO	21K0D1W	10 uW (ERP)	0.001 %
440-470 MHz	FX	21K0D1W 8K10F1D 8K10F1E 8K10F1W 9K80D7W 9K80F1D 9K80F1E 9K80F1E	10 uW (ERP)	0.001 %

Frequency Information

Elgin (KANE), IL - NL 42-05-52; WL 88-20-40; MOBILE: Indoors at manufacturing plant, within 0.25 km, centered around NL 4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
440-470 MHz	FX	9K80F1W	10 uW (ERP)	0.001 %
440-470 MHz	MO	21K0D1W 8K10F1D 8K10F1E 8K10F1W 9K80D7W 9K80F1D 9K80F1E 9K80F1W	10 uW (ERP)	0.001 %
806-817 MHz	FX	21K0D1W	10 uW (ERP)	0.001 %
806-817 MHz	MO	21K0D1W 21K0D1W 21K0D1W	10 uW (ERP)	0.001 %

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 subject to consent of the following licensees within 5 miles of the contours of the testing area:
 Paging Service licensees in 454 MHz/459 MHz
 General Aviation Air-Ground Service in 454 MHz/459 MHz
 SMR licensees (809-824 MHz/854-869 MHz)
 B/ILT licensees (809-824 MHz/854-869 MHz)
- (3) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (4) Motorola Solutions, Inc. shall avoid frequency channels that occupy Annex A channel allocations. Contact Mr. Rodney Murphy, rodney.murphy@faa.gov and get the specific frequencies from the FAA.

Special Conditions:

- (5) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.