

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

EXPERIMENTAL

(Nature of Service)

WF9XFE

(Call Sign)

XT MO

(Class of Station)

1628-EX-ST-2016

(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 conduct limited tests and demonstrations of prototype mobile subscriber units at military installations

Station Locations

- (1) MOBILE: Fort Benning, GA Within 16 km of Coordinates, within 16 km, centered around NL 32-23-28; WL 84-49-27
- (2) MOBILE: Fort Rucker, AL Within 16 km of Coordinates, within 16 km, centered around NL 31-20-15; WL 85-42-58
- (3) MOBILE: Fort Leavenworth, KS Within 16 km of Coordinates, within 16 km, centered around NL 39-21-45; WL 94-55-17
- (4) MOBILE: Fort Polk, LA Within 16 km of Coordinates, within 16 km, centered around NL 31-03-21; WL 93-12-45
- (5) MOBILE: Fort Belvoir, VA Within 16 km of Coordinates, within 16 km, centered around NL 38-41-18; WL 77-08-46
- (6) MOBILE: Fort Bragg, NC Within 16 km of Coordinates, within 16 km, centered around NL 35-08-23; WL 79-00-21
- (7) MOBILE: Anniston, AL Within 16 km of Coordinates, within 16 km, centered around NL 33-37-35; WL 85-58-09
- (8) MOBILE: Fort Lee, VA 16 km of Coordinates, within 16 km, centered around NL 37-14-52; WL 77-20-24
- (9) MOBILE: Hunter-Liggett, CA Within 16 km of Coordinates, within 16 km, centered around NL 35-58-26; WL 121-14-23
- (10) MOBILE: Fort Gordon, CA 16 km of Coordinates, within 16 km, centered around NL 33-23-55; WL 82-06-52

This authorization effective December 18, 2016 and
will expire 3:00 A.M. EST May 19, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Station Locations

- (11) MOBILE: Fort Campbell, KY Within 16 km of Coordinates, within 16 km, centered around NL 36-39-36; WL 87-28-37
- (12) MOBILE: Detroit Arsenal, MI 16 km of Coordinates, within 16 km, centered around NL 42-29-30; WL 83-02-18
- (13) MOBILE: Radford, VA Within 16 km of Coordinates, within 16 km, centered around NL 37-10-38; WL 80-32-22
- (14) MOBILE: Rock Island Arsenal, IL Within 16 km of Coordinates, within 16 km, centered around NL 41-30-31; WL 90-34-35
- (15) MOBILE: Fort Bliss, TX Within 16 km of Coordinates, within 16 km, centered around NL 31-48-39; WL 106-25-18

Frequency Information

MOBILE: Fort Benning, GA Within 16 km of Coordinates, within 16 km, centered around NL 32-23-28; WL 84-49-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	8K10F1D 8K10F1E	75 W (ERP)	

MOBILE: Fort Rucker, AL Within 16 km of Coordinates, within 16 km, centered around NL 31-20-15; WL 85-42-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138-144 MHz	MO	8K10F1D 8K10F1E	75 W (ERP)	
148-149.9 MHz	MO	8K10F1E 8K10F1D	75 W (ERP)	
150.05-150.8 MHz	MO	8K10F1E 8K10F1D	75 W (ERP)	
380-399.9 MHz	MO	8K10F1E	75 W (ERP)	

Frequency Information

MOBILE: Fort Rucker, AL Within 16 km of Coordinates, within 16 km, centered around NL 31-20-15; WL 85-42-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	8K10F1D	75 W (ERP)	

MOBILE: Fort Leavenworth, KS Within 16 km of Coordinates, within 16 km, centered around NL 39-21-45; WL 94-55-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	8K10F1E 8K10F1D	75 W (ERP)	

MOBILE: Fort Polk, LA Within 16 km of Coordinates, within 16 km, centered around NL 31-03-21; WL 93-12-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	8K10F1E 8K10F1D	75 W (ERP)	

MOBILE: Fort Belvoir, VA Within 16 km of Coordinates, within 16 km, centered around NL 38-41-18; WL 77-08-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	8K10F1E 8K10F1D	75 W (ERP)	

Frequency Information

MOBILE: Fort Bragg, NC Within 16 km of Coordinates, within 16 km, centered around NL 35-08-23; WL 79-00-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	8K10F1E 8K10F1D	75 W (ERP)	

MOBILE: Anniston, AL Within 16 km of Coordinates, within 16 km, centered around NL 33-37-35; WL 85-58-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	8K10F1E 8K10F1D	75 W (ERP)	

MOBILE: Fort Lee, VA 16 km of Coordinates, within 16 km, centered around NL 37-14-52; WL 77-20-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	8K10F1E 8K10F1D	75 W (ERP)	

MOBILE: Hunter-Liggett, CA Within 16 km of Coordinates, within 16 km, centered around NL 35-58-26; WL 121-14-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	8K10F1E 8K10F1D	75 W (ERP)	

Frequency Information

MOBILE: Fort Gordon, CA 16 km of Coordinates, within 16 km, centered around NL 33-23-55; WL 82-06-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	8K10F1E 8K10F1D	75 W (ERP)	

MOBILE: Fort Campbell, KY Within 16 km of Coordinates, within 16 km, centered around NL 36-39-36; WL 87-28-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	8K10F1E 8K10F1D	75 W (ERP)	

MOBILE: Detroit Arsenal, MI 16 km of Coordinates, within 16 km, centered around NL 42-29-30; WL 83-02-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	8K10F1E 8K10F1D	75 W (ERP)	

MOBILE: Radford, VA Within 16 km of Coordinates, within 16 km, centered around NL 37-10-38; WL 80-32-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	8K10F1E 8K10F1D	75 W (ERP)	

Frequency Information

MOBILE: Rock Island Arsenal, IL Within 16 km of Coordinates, within 16 km, centered around NL 41-30-31; WL 90-34-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	8K10F1E 8K10F1D	75 W (ERP)	

MOBILE: Fort Bliss, TX Within 16 km of Coordinates, within 16 km, centered around NL 31-48-39; WL 106-25-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
406.1-420 MHz	MO	8K10F1E 8K10F1D	75 W (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Motorola Solutions must contact the Installation Network Enterprise Center (NEC) spectrum managers, for each test location, to receive properly coordinated frequencies for this test. Each frequency used must have a valid existing Radio Frequency Authorization (RFA) listed in the Government Master File (GMF).
- (4) The following frequencies must not be utilized, to protect highway construction projects U.S. wide:
411.9125 MHz, 411.9375 MHz, 412.0125 MHz, 412.0375 MHz, 418.05 MHz.
- (5) At the Fort Lee, VA location, Motorola must not use 385.0 MHz to avoid interference with Coast Guard operations.
- (6) Motorola must not utilize 410.075 MHz +/- 12.5 KHz to protect Department of Commerce operations in the area.
- (7) 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.