

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

EXPERIMENTAL

(Nature of Service)

WK9XVU

(Call Sign)

XT MO

(Class of Station)

1667-EX-ST-2016

(File Number)

NAME E.F. Johnson Company

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:

Demonstration by operation of radio equipment pursuant to government contract.

Station Locations

- (1) MOBILE: Military Base, Fort Benning, GA, within 5 km, centered around NL 32-21-36; WL 84-56-04
- (2) MOBILE: Fort Leavenworth military base, within 5 km, centered around NL 39-21-10; WL 94-55-20
- (3) MOBILE: Military Base Fort Polk, LA, within 5 km, centered around NL 31-02-49; WL 93-12-40
- (4) MOBILE: Military Base Fort Belvoir, VA, within 5 km, centered around NL 38-42-34; WL 77-08-49
- (5) MOBILE: Military Base Rock Island IL, within 5 km, centered around NL 41-30-34; WL 90-34-43
- (6) MOBILE: Fort Bliss Military Base, within 5 km, centered around NL 31-48-06; WL 106-25-28
- (7) MOBILE: Fort Bragg military base, NC, within 5 km, centered around NL 35-08-21; WL 78-59-57
- (8) MOBILE: Military Base Anniston, AL, within 5 km, centered around NL 33-39-35; WL 85-49-53
- (9) MOBILE: Military Base Fort Lee VA, within 5 km, centered around NL 37-14-06; WL 77-19-58
- (10) MOBILE: Military Base Hunter-Liggett, CA, within 5 km, centered around NL 35-57-08; WL 121-13-50

This authorization effective February 27, 2017 and
will expire 3:00 A.M. EST August 27, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Station Locations

- (11) MOBILE: Military Base Fort Gordon, GA, within 5 km, centered around NL 33-21-02; WL 82-14-20
- (12) MOBILE: Military Base Fort Rucker, AL, within 5 km, centered around NL 33-20-12; WL 85-42-41
- (13) MOBILE: Military Base Fort Campbell, KY, within 5 km, centered around NL 36-39-13; WL 87-27-35
- (14) MOBILE: Military Base Detroit Arsenal, MI, within 5 km, centered around NL 42-29-49; WL 83-02-30
- (15) MOBILE: Military Base Radford, VA, within 5 km, centered around NL 37-11-02; WL 80-32-41

Frequency Information

MOBILE: Military Base, Fort Benning, GA, within 5 km, centered around NL 32-21-36; WL 84-56-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	11K0F3E 8K10F1D 8K10F1E 8K10F7E	4 W (ERP)	

MOBILE: Fort Leavenworth military base, within 5 km, centered around NL 39-21-10; WL 94-55-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	11K0F3E 8K10F1D 8K10F1E 8K10F7E	4 W (ERP)	

MOBILE: Military Base Fort Polk, LA, within 5 km, centered around NL 31-02-49; WL 93-12-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	11K0F3E 8K10F1D 8K10F1E	4 W (ERP)	

Frequency Information

MOBILE: Military Base Fort Polk, LA, within 5 km, centered around NL 31-02-49; WL 93-12-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	8K10F7E	4 W (ERP)	

MOBILE: Military Base Fort Belvoir, VA, within 5 km, centered around NL 38-42-34; WL 77-08-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	11K0F3E	4 W (ERP)	
		8K10F1D		
		8K10F1E		
		8K10F7E		

MOBILE: Military Base Rock Island IL, within 5 km, centered around NL 41-30-34; WL 90-34-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	11K0F3E	4 W (ERP)	
		8K10F1D		
		8K10F1E		
		8K10F1E		
		8K10F7E		

MOBILE: Fort Bliss Military Base, within 5 km, centered around NL 31-48-06; WL 106-25-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
406.1-420 MHz	MO	11K0F3E	4 W (ERP)	
		8K10F1D		
		8K10F1E		

Frequency Information

MOBILE: Fort Bliss Military Base, within 5 km, centered around NL 31-48-06; WL 106-25-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
406.1-420 MHz	MO	8K10F7E	4 W (ERP)	

MOBILE: Fort Bragg military base, NC, within 5 km, centered around NL 35-08-21; WL 78-59-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	11K0F3E 8K10F1D 8K10F1E 8K10F7E	4 W (ERP)	

MOBILE: Military Base Anniston, AL, within 5 km, centered around NL 33-39-35; WL 85-49-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	11K0F3E 8K10F1D 8K10F1E 8K10F7E	4 W (ERP)	

MOBILE: Military Base Fort Lee VA, within 5 km, centered around NL 37-14-06; WL 77-19-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	11K0F3E 8K10F1D 8K10F1E	4 W (ERP)	

Frequency Information

MOBILE: Military Base Fort Lee VA, within 5 km, centered around NL 37-14-06; WL 77-19-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	8K10F7E	4 W (ERP)	

MOBILE: Military Base Hunter-Liggett, CA, within 5 km, centered around NL 35-57-08; WL 121-13-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	11K0F3E	4 W (ERP)	
		8K10F1D		
		8K10F1E		
		8K10F7E		

MOBILE: Military Base Fort Gordon, GA, within 5 km, centered around NL 33-21-02; WL 82-14-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	11K0F3E	4 W (ERP)	
		8K10F1D		
		8K10F1E		
		8K10F7E		

MOBILE: Military Base Fort Rucker, AL, within 5 km, centered around NL 33-20-12; WL 85-42-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138-150.8 MHz	MO	11K0F3E	5 W (ERP)	
		8K10F1D		
		8K10F1E		

Frequency Information

MOBILE: Military Base Fort Rucker, AL, within 5 km, centered around NL 33-20-12; WL 85-42-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138-150.8 MHz	MO	8K10F7E	5 W (ERP)	

MOBILE: Military Base Fort Campbell, KY, within 5 km, centered around NL 36-39-13; WL 87-27-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	11K0F3E 8K10F1D 8K10F1E 8K10F7E	4 W (ERP)	

MOBILE: Military Base Detroit Arsenal, MI, within 5 km, centered around NL 42-29-49; WL 83-02-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	11K0F3E 8K10F1D 8K10F1E 8K10F7E	4 W (ERP)	

MOBILE: Military Base Radford, VA, within 5 km, centered around NL 37-11-02; WL 80-32-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	11K0F3E 8K10F1D 8K10F1E	4 W (ERP)	

Frequency Information

MOBILE: Military Base Radford, VA, within 5 km, centered around NL 37-11-02; WL 80-32-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
380-399.9 MHz	MO	8K10F7E	4 W (ERP)	

Special Conditions:

- (1) E.F. Johnson must contact the Installation Spectrum Manager at each location to obtain the necessary frequencies for that location. The installation spectrum manager will provide the frequencies to insure no RFI with installation LMR system.
- (2) The following frequencies will not be available at the indicated locations:

Frequency	Location
392.2 MHz +/- 3K	Fort Bragg, NC
386 MHz +/- 3K	Detroit Arsenal, MI.
410.075 MHz +/- 12.5KHz	Ft. Bliss, Texas
166.825 MHz +/- 6.25 KHz	El Paso, TX
168.575 MHz +/- 6.25 KHz	East Portillos, NM
168.6125 MHz +/- 6.25 KHz	El Paso, TX
169.625 MHz +/- 6.25 KHz	Las Cruces, NM
172.475 MHz +/- 6.25 KHz	El Paso, TX
172.775 MHz +/- 6.25 KHz	El Paso, TX
173.175 MHz +/- 6.25 KHz	Franklin Mountain, TX

- (3) E.F. Johnson must not utilize 413.600 MHz +/- 12.5 KHz at any location.