

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

EXPERIMENTAL

(Nature of Service)

WH9XUG

(Call Sign)

XT MO

(Class of Station)

0697-EX-ST-2014

(File Number)

NAME Judd Strategic Technologies

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 airborne signals intelligence technology and the technology's ability to detect and geo-locate short uptime emitters.

Station Locations

- (1) MOBILE: Michael Army Airfield Dugway, Utah, within 30 km, centered around NL 40-11-58; WL 112-56-15
- (2) MOBILE: Michael Army Airfield Dugway, Utah, within 30 km, centered around NL 40-11-58; WL 112-56-15

Frequency Information

MOBILE: Michael Army Airfield Dugway, Utah, within 30 km, centered around NL 40-11-58; WL 112-56-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
49-57 MHz	MO	100KN0N	100 W (ERP)	
69-73 MHz	MO	100KN0N	100 W (ERP)	

This authorization effective September 20, 2014 and
will expire 3:00 A.M. EST October 02, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
74.6-80 MHz	MO	100KN0N	100 W (ERP)	
245.65 MHz	MO	100KN0N	100 W (ERP)	
253.25 MHz	MO	100KN0N	100 W (ERP)	
437-477 MHz	MO	100KN0N	100 W (ERP)	
489-541 MHz	MO	100KN0N	100 W (ERP)	
799.5-826 MHz	MO	100KN0N	100 W (ERP)	
834-846 MHz	MO	100KN0N	100 W (ERP)	
854-857 MHz	MO	100KN0N	100 W (ERP)	
1434-1526 MHz	MO	100KN0N	50 W (ERP)	
1608-1660.5 MHz	MO	100KN0N	100 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1668.4-1686 MHz	MO	100KN0N	100 W (ERP)	
2297-2390.6 MHz	MO	100KN0N	50 W (ERP)	
2910-2974 MHz	MO	100KN0N	100 W (ERP)	
2976-2989 MHz	MO	100KN0N	100 W (ERP)	

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49-57 MHz	MO	100KN0N	100 W (ERP)	
69-73 MHz	MO	100KN0N	100 W (ERP)	
74.6-80 MHz	MO	100KN0N	100 W (ERP)	
245.65 MHz	MO	100KN0N	100 W (ERP)	
253.25 MHz	MO	100KN0N	100 W (ERP)	

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834-846 MHz	MO	100KN0N	100 W (ERP)	
854-857 MHz	MO	100KN0N	100 W (ERP)	
1434-1526 MHz	MO	100KN0N	50 W (ERP)	
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Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to authorization with the Mid-Atlantic Area Frequency Coordinator (AFC), Patuxent River, MD, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC as necessary to ensure compatibility with existing uses.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) 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 in 49-57 MHz, 69-80 MHz, and 489-541 MHz
- (5) Stop Buzzer Mr. Jason Straughan, 435-831-3411 (office), 435-849-4512 (cell) must be available during all phases of transmissions.
- (6) Operation requires consent of affected Satellite Digital Audio Radio Service (SDARS) licensees.
- (7) In lieu of the 219 – 240 MHz band Judd Strategic Technologies is authorized the following MAG approved frequencies:
 - a. 245.650 MHz
 - b. 253.250 MHz
- (8) This license SUPERSEDES the previously issued license with the same call sign and file number: adding special condition (7).