

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

EXPERIMENTAL

(Nature of Service)

WH9XUG

(Call Sign)

XC MO

(Class of Station)

0190-EX-ST-2015

(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
- (3) MOBILE: Michael Army Airfield Dugway, Utah, within 30 km, centered around NL 40-11-58; WL 112-56-15
- (4) 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 (+/-)
49.5-51 MHz	MO	100KN0N	100 W (ERP)	

This authorization effective March 27, 2015 and
will expire 3:00 A.M. EST May 26, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



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 (+/-)
60-70.6 MHz	MO	100KN0N	100 W (ERP)	
140-150 MHz	MO	100KN0N	100 W (ERP)	
225-255 MHz	MO	100KN0N	100 W (ERP)	
448-500 MHz	MO	100KN0N	100 W (ERP)	
520.5-540 MHz	MO	100KN0N	100 W (ERP)	
1370-1389 MHz	MO	100KN0N	50 W (ERP)	
2400-2490 MHz	MO	20M0D7W	100 W (ERP)	
2910-2989 MHz	MO	100KN0N	100 W (ERP)	

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 (+/-)
1435-1525 MHz	MO	18M0F3F	5 W (ERP)	

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 (+/-)
2400-2490 MHz	MO	20M0D7W	5 W (ERP)	

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

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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) 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 60-70.6 MHz, 448-500 MHz, 520.5-540 MHz and 2400-2490 MHz bands.
- (4) Stop Buzzer Mr. Jason Straughan, 435-831-3411 (office), 435-849-4512 (cell) must be available during all phases of transmissions.
- (5) Coordinate with the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d) prior to accessing to 2400-2490 MHz band.
- (6) This frequency assignment in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to authorization with the Area Frequency Coordinator, Nellis AFB, Nevada, 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.

Special Conditions:

- (7) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number FA8650-09-C-3949. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (8) Operation is not permitted in the 1250-1350 MHz and 1831-2000 MHz bands.
- (9) Notch out +/- 25 kHz the following frequencies:
 - a. M233
 - b. M239.25
 - c. M239.7
 - d. M243
 - e. M251.05
 - f. M253.5