

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

EXPERIMENTAL

(Nature of Service)

WH9XUG

(Call Sign)

XC MO

(Class of Station)

1041-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 (+/-)
1250-1350 kHz	MO	100KN0N	100 W (ERP)	
42-57 MHz	MO	100KN0N	100 W (ERP)	

This authorization effective February 09, 2015 and
will expire 3:00 A.M. EST February 18, 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 (+/-)
60-73 MHz	MO	100KN0N	100 W (ERP)	
75.4-80 MHz	MO	100KN0N	100 W (ERP)	
140-150 MHz	MO	100KN0N	100 W (ERP)	
225-327 MHz	MO	100KN0N	100 W (ERP)	
360-500 MHz	MO	100KN0N	100 W (ERP)	
520.5-540 MHz	MO	100KN0N	100 W (ERP)	
902-928 MHz	MO	100KN0N	100 W (ERP)	
1370-1389 MHz	MO	100KN0N	50 W (ERP)	
1440-1510 MHz	MO	18M0F3F	100 W (ERP)	
1831-2000 MHz	MO	100KN0N	100 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2320-2380 MHz	MO	100KN0N	100 W (ERP)	
2400-2490 MHz	MO	20M0D7W	100 W (ERP)	
2910-2989 MHz	MO	100KN0N	100 W (ERP)	

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42-57 MHz	MO	100KN0N	100 W (ERP)	
60-73 MHz	MO	100KN0N	100 W (ERP)	
75.4-80 MHz	MO	100KN0N	100 W (ERP)	
140-150 MHz	MO	100KN0N	100 W (ERP)	
225-327 MHz	MO	100KN0N	100 W (ERP)	

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2910-2989 MHz	MO	100KN0N	100 W (ERP)	

Special Conditions:

- (1) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Special Conditions:

- (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 41-57 MHz, 60-80 MHz, 360-500 MHz, 520.5-540 MHz and 2400-2490 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) Coordinate with the Fixed Microwave Service licensees prior to operation in 2400-2490 MHz.
- (8) Obtain consents from the AWS licensees prior to accessing to 1831-2000 MHz
- (9) In the 225-327 MHz band, Judd Strategic Technologies is authorized to use the following spot frequencies:
 - a. M225.250, M226.400, M227.650, M228.550, M229.150, M230.125
 - b. M234.275, M236.900, M238.225, M243.275, M245.225, M251.725
 - c. M251.800, M252.075, M254.575, M259.350, M266.225, M267.350
 - d. M270.450, M273.400, M277.350, M294.500, M308.025, M315.875, M316.200
- (10) In the 360-420 MHz band, Judd Strategic Technologies is authorized to use the following frequency bands:
 - a. M361.650 thru M362.850
 - b. M364.400 thru M365.600
 - c. M366.025 thru M367.225
 - d. M367.650 thru M368.850
 - e. M369.500 thru M370.700
 - f. M372.275 thru M373.475
 - g. M374.400 thru M375.600
 - h. M382.0250 thru M383.2250
 - i. M383.2375 thru M384.4375
 - j. M392.2125 thru M393.4125
 - k. M393.7875 thru M394.9875
- (11) In the 360-420 MHz band, Judd Strategic Technologies is authorized to use the following spot frequencies:
 - a. 406.4500 MHz, 407.4625 MHz, 407.8500 MHz, 408.2625 MHz, 408.5000 MHz
 - b. 408.6625 MHz, 408.8625 MHz, 409.0625 MHz, 409.4625 MHz, 409.650 MHz
 - c. 410.4625 MHz, 410.9000 MHz

Special Conditions:

- (12) 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.
- (13) 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.