

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

EXPERIMENTAL

(Nature of Service)

WK9XEH

(Call Sign)

XT MO

(Class of Station)

1081-EX-ST-2016

(File Number)

NAME Entropix, LLC

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 an HF direction finding system to US Special Operations Command at test event TE 16-4 September 19-23, 2016 in Little Creek, VA

Station Locations

(1) MOBILE: Little Creek Naval Amphibious Base

Frequency Information

MOBILE: Little Creek Naval Amphibious Base

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5-12 MHz	MO	3K00J3E	5 W (ERP)	0.001 %

This authorization effective September 19, 2016 and
will expire 3:00 A.M. EST September 24, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) 1.All operations are on a strict non-interference basis and must be pre-coordinated with the Mid-Atlantic AFC.

USN-Mid-Atlantic Area Frequency Coordinator Naval Air Warfare Center Aircraft
Division Code 5.2.2.2, Unit 4, Bldg. 2118 Atlantic Test Ranges
23013 Cedar Point Road
Patuxent River, MD 20670-1883
Office: midlantaafc_paxriver@navy.mil

Mr. Scott Hoschar, Head
NIPR: scott.hoschar@navy .mil
COM: 301-342-9549
Mr. Mikel R. Ryan#
NIPR: mikel.ryan@navy.mil
COM: 301-342-1532

- 2.The following bands must be notched to protect the WWV Time broadcasts:

4.995-5.005
9.995-10.005

- 3.NTIA will utilize Jim Tiffany, 585-278-5986, jim.tiffany@entropixllc.com as the STOP BUZZER point of contact. The stop buzzer POC must be available anytime testing or operations are being performed.

- 4.The following frequencies are protected by ITU Radio Regulations, Appendix 15 as Distress and Search and Rescue (SAR) frequencies. ITU Radio Regulations, Appendix 15, prohibit any possible interference to Distress frequencies.

K5681.4	K6268	K6216.4
K6517.4	K6312	K6502.4
K8292.4	K8414.5	K8765.4

- 5.The follow frequencies are used by U.S. Coast Guard for Air/Ground/Air communications and must be protected from possible interference for safety of flight concerns:

K5108	K5694.4	K5697.4	K5700.4
K5885	K5943.5	K6710.4	K6743.4
K7419.5	K7630.5	K7669.5	K7736
K7743	K7747	K7775	K7793
K7821	K8981.4	K8984.4	K9035.4
K9038.4	K10540	K10774	K10810
K10891	K10918	K11197.4	K11200.4
K11203.4			

- 6.The below frequencies are used by the U.S. Coast Guard for weather broadcasts to maritime mobile customers in partnership with Department of Commerce/NOAA:

K5107	K5108.5	K5110	K5215.5	K5217
K5221.5	K5223	K5224.5	K5264.5	
K5266	K5267.5	K5270.5	K5272	

Special	K5418	K5419.5	K5421	K5931
	K5934	K5941	K5942.5	K5944
	K6961	K7439	K7577	K7617
	K7626	K7754.5	K7845	K7884
	K7909	K8459	K8503.9	K8682
	K9110	K9169	K9291	K9332
	K10297.5	K10338.5	K10354.5	K10378
	K10675	K10759	K10788	K10929.5
	K10935.5	K11024	K11045	11157.5

7.To protect FAA flight operations, the following frequency bands must be notched

5450 - 5680

6525 - 6685

8815 - 8965

10005 - 10100

11275 - 11400