

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

EXPERIMENTAL

(Nature of Service)

WS9XNW

(Call Sign)

XT FX

(Class of Station)

1094-EX-ST-2021

(File Number)

NAME JAXON ENGINEERING and MAINTENANCE

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:

RF testing in support of Defense Threat Reduction Agency's EMREP program.

Station Locations

(1) Iron Mtn (DICKINSON), MI - NL 45-50-45; WL 88-02-26

Frequency Information

Iron Mtn (DICKINSON), MI - NL 45-50-45; WL 88-02-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.1-0.2 MHz	FX	NON	39.811 W (ERP)	0.001 %
0.4-2.495 MHz	FX	NON	39.811 W (ERP)	0.001 %
2.5-4.995 MHz	FX	NON	39.811 W (ERP)	0.001 %

This authorization effective August 17, 2021 and
will expire 3:00 A.M. EST October 02, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Iron Mtn (DICKINSON), MI - NL 45-50-45; WL 88-02-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.005-5.9 MHz	FX	N0N	39.811 W (ERP)	0.001 %
6.2-7.2 MHz	FX	N0N	39.811 W (ERP)	0.001 %
7.45-9.4 MHz	FX	N0N	39.811 W (ERP)	0.001 %
9.9-11.6 MHz	FX	N0N	39.811 W (ERP)	0.001 %
12.1-13.57 MHz	FX	N0N	39.811 W (ERP)	0.001 %
13.87-15.1 MHz	FX	N0N	39.811 W (ERP)	0.001 %
15.8-17.48 MHz	FX	N0N	39.811 W (ERP)	0.001 %
17.9-18.9 MHz	FX	N0N	39.811 W (ERP)	0.001 %
19.02-21.45 MHz	FX	N0N	39.811 W (ERP)	0.001 %
21.85-25.67 MHz	FX	N0N	39.811 W (ERP)	0.001 %

Frequency Information

Iron Mtn (DICKINSON), MI - NL 45-50-45; WL 88-02-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
399.9-406 MHz	FX	NON	39.811 W (ERP)	0.001 %
406.1-449.75 MHz	FX	NON	39.811 W (ERP)	0.001 %
450.25-608 MHz	FX	NON	39.811 W (ERP)	0.001 %
614-758 MHz	FX	NON	39.811 W (ERP)	0.001 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) 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.
- (3) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at <http://sbe.org/wp-content/uploads/freqcoor.pdf> to find the appropriate coordinator.
- (4) The stop buzzer contact for this project is Richard Hibbeler
Phone: (703) 726-5671
Email: rhibbele@comsearch.com
- (5) Operation is prohibited on any Public Safety frequency listed under Part 90 rules.
- (6) Prior to commencing any operations in the frequencies below, the licensee must obtain consent from the following within 50 miles of the contours of the testing area:
 - Mobile Service licensees in 454 MHz/459 MHz
 - General Aviation Air-Ground Service in 454 MHz/459 MHz
 - 700 MHz Lower Band licensees (698-746 MHz)
 - 700 MHz Upper Band licensees (746-758 MHz)
- (7) Licensee must successfully secure consents from the Upper Microwave Flexible Use Service licensees in the proposed area prior to accessing to frequency range from 614-698 MHz.

Special Conditions:

(8) Jaxon Engineering and Maintenance must notch out the following:

- 2660.4 kHz (+/-1.4 kHz)
- 2679.4 kHz (+/-1.4 kHz)
- 2749.4 kHz (+/-1.4 kHz)
- 2850 – 3025 kHz
- 3054.4 kHz (+/-1.4 kHz)
- 3057.4 kHz (+/-1.4 kHz)
- 3120.4 kHz (+/-1.4 kHz)
- 3123.4 kHz (+/-1.4 kHz)
- 3218 kHz (+/-12 kHz)
- 3249 kHz (+/-12 kHz)
- 3252 kHz (+/-12 kHz)
- 3327 kHz (+/-12 kHz)
- 3359 kHz (+/-12 kHz)
- 3400 – 3500 kHz
- 4126.4 kHz (+/-1.4 kHz)
- 4177.5 kHz (+/-1.4 kHz)
- 4207.5 kHz (+/-1.4 kHz)
- 4572.5 kHz (+/-1.4 kHz)
- 4576.4 kHz (+/-1.4 kHz)
- 4650 – 4700 kHz
- 4731.4 kHz (+/-1.4 kHz)
- 4734.4 kHz (+/-1.4 kHz)
- 4821 kHz (+/-1.4 kHz)
- 4902 kHz (+/-1.4 kHz)
- 4943 kHz (+/-12 kHz)
- 4965 kHz (+/-1.4 kHz)
- 4995 – 5005 kHz
- 5107 kHz (+/-1.5 kHz)
- 5108 kHz (+/-1.4 kHz)
- 5108.5 kHz (+/-1.5 kHz)
- 5110 kHz (+/-1.5 kHz)
- 5215.5 kHz (+/-1.5 kHz)
- 5217 kHz (+/-1.5 kHz)
- 5221.5 kHz (+/-1.5 kHz)
- 5223 kHz (+/-1.5 kHz)
- 5224.5 kHz (+/-1.5 kHz)
- 5264.5 kHz (+/-1.5 kHz)
- 5266 kHz (+/-1.5 kHz)
- 5267.5 kHz (+/-1.5 kHz)
- 5270.5 kHz (+/-1.5 kHz)
- 5272 kHz (+/-1.5 kHz)
- 5418 kHz (+/-1.5 kHz)
- 5419.5 kHz (+/-1.5 kHz)
- 5421 kHz (+/-1.5 kHz)
- 5450 – 5680 kHz
- 5681.4 kHz (+/-1.4 kHz)
- 5694.4 kHz (+/-1.4 kHz)
- 5697.4 kHz (+/-1.4 kHz)
- 5700.4 kHz (+/-1.4 kHz)
- 5885 kHz (+/-1.4 kHz)
- 5943.5 kHz (+/-1.4 kHz)

Special Frequencies (kHz)

- 6216.4 kHz (+/-1.4 kHz)
- 6268 kHz (+/-1.4 kHz)
- 6312 kHz (+/-1.4 kHz)
- 6502.4 kHz (+/-1.4 kHz)
- 6517.4 kHz (+/-1.4 kHz)
- 6525 – 6685 kHz
- 6710.4 kHz (+/-1.4 kHz)
- 6743.4 kHz (+/-1.4 kHz)
- 6961 kHz (+/-1.5 kHz)
- 7577 kHz (+/-1.5 kHz)
- 7617 kHz (+/-1.5 kHz)
- 7626 kHz (+/-1.5 kHz)
- 7630.5 kHz (+/-1.4 kHz)
- 7669.5 kHz (+/-1.4 kHz)
- 7736 kHz (+/-1.4 kHz)
- 7743 kHz (+/-1.4 kHz)
- 7747 kHz (+/-1.4 kHz)
- 7754.5 kHz (+/-1.5 kHz)
- 7775 kHz (+/-1.4 kHz)
- 7793 kHz (+/-1.4 kHz)
- 7815 kHz (+/-12 kHz)
- 7821 kHz (+/-1.4 kHz)
- 7845 kHz (+/-1.5 kHz)
- 7884 kHz (+/-1.5 kHz)
- 7909 kHz (+/-1.5 kHz)
- 8292.4 kHz (+/-1.4 kHz)
- 8414.5 kHz (+/-1.4 kHz)
- 8459 kHz (+/-1.5 kHz)
- 8503.9 kHz (+/-1.5 kHz)
- 8682 kHz (+/-1.5 kHz)
- 8765.4 kHz (+/-1.4 kHz)
- 8815 – 8965 kHz
- 8981.4 kHz (+/-1.4 kHz)
- 8984.4 kHz (+/-1.4 kHz)
- 9035.4 kHz (+/-1.4 kHz)
- 9038.4 kHz (+/-1.4 kHz)
- 9110 kHz (+/-1.5 kHz)
- 9169 kHz (+/-1.5 kHz)
- 9272 kHz (+/-12 kHz)
- 9291 kHz (+/-1.5 kHz)
- 9332 kHz (+/-1.5 kHz)
- 9995 – 10100 kHz
- 10297.5 kHz (+/-1.5 kHz)
- 10338.5 kHz (+/-1.5 kHz)
- 10354.5 kHz (+/-1.5 kHz)
- 10378 kHz (+/-1.5 kHz)
- 10540 kHz (+/-1.4 kHz)
- 10675 kHz (+/-1.5 kHz)
- 10759 kHz (+/-1.5 kHz)
- 10774 kHz (+/-1.4 kHz)
- 10788 kHz (+/-1.5 kHz)
- 10810 kHz (+/-1.4 kHz)
- 10891 kHz (+/-1.4 kHz)

- Speci:
- 10918 kHz (+/-1.4 kHz)
 - 10929.5 kHz (+/-1.5 kHz)
 - 10935.5 kHz (+/-1.5 kHz)
 - 11024 kHz (+/-1.5 kHz)
 - 11045 kHz (+/-1.5 kHz)
 - 11157.5 kHz (+/-1.5 kHz)
 - 11197.4 kHz (+/-1.4 kHz)
 - 11200.4 kHz (+/-1.4 kHz)
 - 11203.4 kHz (+/-1.4 kHz)
 - 11275 – 11400 kHz
 - 11496 kHz (+/-12 kHz)
 - 12291.4 kHz (+/-1.4 kHz)
 - 12520 kHz (+/-1.4 kHz)
 - 12577 kHz (+/-1.4 kHz)
 - 13219.4 kHz (+/-1.4 kHz)
 - 13222.4 kHz (+/-1.4 kHz)
 - 13260 – 13360 kHz
 - 13434 kHz (+/-1.4 kHz)
 - 13493 kHz (+/-1.4 kHz)
 - 13496 kHz (+/-1.4 kHz)
 - 14428.5 kHz (+/-1.4 kHz)
 - 14461 kHz (+/-1.4 kHz)
 - 14957 kHz (+/-12 kHz)
 - 15083.4 kHz (+/-1.4 kHz)
 - 15086.4 kHz (+/-1.4 kHz)
 - 15089.4 kHz (+/-1.4 kHz)
 - 16027.5 kHz (+/-1.4 kHz)
 - 16421.4 kHz (+/-1.4 kHz)
 - 16695 kHz (+/-1.4 kHz)
 - 16804.5 kHz (+/-1.4 kHz)
 - 17900 – 17970 kHz
 - 17989.4 kHz (+/-1.4 kHz)
 - 18186.5 kHz (+/-1.4 kHz)
 - 19990 – 20010 kHz
 - 20137 kHz (+/-1.4 kHz)
 - 20247.5 kHz (+/-1.4 kHz)
 - 20330 kHz (+/-1.4 kHz)
 - 20843 kHz (+/-1.4 kHz)
 - 20882.5 kHz (+/-1.4 kHz)
 - 20985 kHz (+/-1.4 kHz)
 - 21924 – 22000 kHz
 - 23074 kHz (+/-1.4 kHz)
 - 23077 kHz (+/-1.4 kHz)
 - 23091 kHz (+/-1.4 kHz)
 - 23094 kHz (+/-1.4 kHz)
 - 23840.5 kHz (+/-1.4 kHz)
 - 24228.5 kHz (+/-1.4 kHz)
 - 24793.5 kHz (+/-1.4 kHz)
 - 24990 – 25010 kHz
 - 401.704 MHz (+/-12 kHz)
 - 401.7265 MHz (+/-12 kHz)
 - 401.7325 MHz (+/-12 kHz)
 - 401.7445 MHz (+/-12 kHz)

Speci: 401.7565 MHz (+/-12 kHz)
• 401.7655 MHz (+/-12 kHz)
• 401.7835 MHz (+/-12 kHz)
• 401.815 MHz (+/-12 kHz)
• 401.8375 MHz (+/-12 kHz)
• 401.8465 MHz (+/-12 kHz)
• 401.8615 MHz (+/-12 kHz)
• 401.9395 MHz (+/-12 kHz)
• 406 – 406.1 MHz
• 406.225 MHz (+/-12 kHz)
• 406.275 MHz (+/-12 kHz)
• 406.325 MHz (+/-12 kHz)
• 406.3875 MHz (+/-12 kHz)
• 406.4 MHz (+/-12 kHz)
• 406.425 MHz (+/-12 kHz)
• 406.525 MHz (+/-12 kHz)
• 406.575 MHz (+/-12 kHz)
• 406.5875 MHz (+/-12 kHz)
• 408.15 MHz (+/-12 kHz)
• 408.7875 MHz (+/-12 kHz)
• 408.9875 MHz (+/-12 kHz)
• 409.1875 MHz (+/-12 kHz)
• 409.3875 MHz (+/-12 kHz)
• 409.9875 MHz (+/-12 kHz)
• 410.1875 MHz (+/-12 kHz)
• 410.2375 MHz (+/-12 kHz)
• 410.275 MHz (+/-12 kHz)
• 410.4375 MHz (+/-12 kHz)
• 410.6125 MHz (+/-12 kHz)
• 410.6375 MHz (+/-12 kHz)
• 410.775 MHz (+/-12 kHz)
• 410.7875 MHz (+/-12 kHz)
• 410.8375 MHz (+/-12 kHz)
• 411.225 MHz (+/-12 kHz)
• 411.25 MHz (+/-12 kHz)
• 411.2625 MHz (+/-12 kHz)
• 411.275 MHz (+/-12 kHz)
• 411.3 MHz (+/-12 kHz)
• 411.325 MHz (+/-12 kHz)
• 411.35 MHz (+/-12 kHz)
• 411.3625 MHz (+/-12 kHz)
• 411.375 MHz (+/-12 kHz)
• 411.4 MHz (+/-12 kHz)
• 411.4125 MHz (+/-12 kHz)
• 411.425 MHz (+/-12 kHz)
• 411.45 MHz (+/-12 kHz)
• 411.475 MHz (+/-12 kHz)
• 411.5 MHz (+/-12 kHz)
• 411.525 MHz (+/-12 kHz)
• 411.55 MHz (+/-12 kHz)
• 411.5625 MHz (+/-12 kHz)
• 411.575 MHz (+/-12 kHz)
• 411.8 MHz (+/-12 kHz)
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- Speci:
- 412.4 MHz (+/-12 kHz)
 - 412.6 MHz (+/-12 kHz)
 - 412.8 MHz (+/-12 kHz)
 - 412.825 MHz (+/-12 kHz)
 - 412.8375 MHz (+/-12 kHz)
 - 412.85 MHz (+/-12 kHz)
 - 412.8625 MHz (+/-12 kHz)
 - 413.1875 MHz (+/-12 kHz)
 - 413.2125 MHz (+/-12 kHz)
 - 414.0375 MHz (+/-12 kHz)
 - 414.0625 MHz (+/-12 kHz)
 - 414.3125 MHz (+/-12 kHz)
 - 414.3375 MHz (+/-12 kHz)
 - 414.65 MHz (+/-12 kHz)
 - 415.225 MHz (+/-12 kHz)
 - 415.275 MHz (+/-12 kHz)
 - 415.325 MHz (+/-12 kHz)
 - 415.3875 MHz (+/-12 kHz)
 - 415.4 MHz (+/-12 kHz)
 - 415.425 MHz (+/-12 kHz)
 - 415.5 MHz (+/-12 kHz)
 - 415.525 MHz (+/-12 kHz)
 - 415.575 MHz (+/-12 kHz)
 - 415.5875 MHz (+/-12 kHz)
 - 417.15 MHz (+/-12 kHz)
 - 417.7875 MHz (+/-12 kHz)
 - 417.9875 MHz (+/-12 kHz)
 - 418.05 MHz (+/-12 kHz)
 - 418.1875 MHz (+/-12 kHz)
 - 418.3875 MHz (+/-12 kHz)
 - 418.9875 MHz (+/-12 kHz)
 - 419.1875 MHz (+/-12 kHz)
 - 419.2375 MHz (+/-12 kHz)
 - 419.275 MHz (+/-12 kHz)
 - 419.4375 MHz (+/-12 kHz)
 - 419.6125 MHz (+/-12 kHz)
 - 419.6375 MHz (+/-12 kHz)
 - 419.775 MHz (+/-12 kHz)
 - 419.775 MHz (+/-12 kHz)
 - 419.7875 MHz (+/-12 kHz)
 - 419.8375 MHz (+/-12 kHz)
 - 449.75 – 450.25 MHz
 - 453.2125 MHz (+/-12 kHz)
 - 453.4625 MHz (+/-12 kHz)
 - 453.7125 MHz (+/-12 kHz)
 - 453.8625 MHz (+/-12 kHz)

Special Conditions:

(9) Jaxon Engineering and Maintenance must notch out the following:

5.9 MHz,
6.2 MHz,
7.45 MHz,
9.4 MHz,
9.9 MHz,
11.6 MHz,
13.57 MHz,
13.87 MHz,
15.1 MHz,
15.8 MHz,
17.48 MHz,
17.9 MHz,
18.9 MHz,
19.02 MHz,
21.45 MHz,
21.85 MHz,
25.67 MHz.