

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WQ9XRA

(Call Sign)

0934-EX-ST-2020

(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) Fort Scott (BOURBON), KS - NL 37-49-49; WL 94-42-58
- (2) Fort Scott (BOURBON), KS - NL 37-50-12; WL 94-43-11
- (3) Fort Scott (BOURBON), KS - NL 37-48-52; WL 94-42-50
- (4) Fort Scott (BOURBON), KS - NL 37-50-43; WL 94-41-44
- (5) Fort Scott (BOURBON), KS - NL 37-51-02; WL 94-41-44
- (6) Fort Scott (BOURBON), KS - NL 37-51-13; WL 94-41-39

Frequency Information

Fort Scott (BOURBON), KS - NL 37-49-49; WL 94-42-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.1-1000 MHz	FX	NON	39.811 W (ERP)	0.001 %

This authorization effective July 15, 2020 and
will expire 3:00 A.M. EST October 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Fort Scott (BOURBON), KS - NL 37-50-12; WL 94-43-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.1-1000 MHz	FX	N0N	39.811 W (ERP)	0.001 %

Fort Scott (BOURBON), KS - NL 37-48-52; WL 94-42-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.1-1000 MHz	FX	N0N	39.811 W (ERP)	0.001 %

Fort Scott (BOURBON), KS - NL 37-50-43; WL 94-41-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.1-1000 MHz	FX	N0N	39.811 W (ERP)	0.001 %

Fort Scott (BOURBON), KS - NL 37-51-02; WL 94-41-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.1-1000 MHz	FX	N0N	39.811 W (ERP)	0.001 %

Frequency Information

Fort Scott (BOURBON), KS - NL 37-51-13; WL 94-41-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.1-1000 MHz	FX	NON	39.811 W (ERP)	0.001 %

Special Conditions:

- (1) This authorization SUPERSEDES the previously issued authorization with the same call sign and file number:
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) The applicant must successfully coordinate with the local Society of Broadcast Engineers frequency coordinator and the Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) in each proposed area to protect the services.
- (5) Stop Buzzer: Richard Hibbeler
Phone: (703)726-5671
Email: rhibbele@comsearch.com
- (6) Prior to commencing any operations in the 137 -138 MHz and 148-150.05 MHz frequency bands, the applicant must notify the earth station licensees listed below of its test dates and provide a stop buzzer in case of interference:
File Number: SES-MOD-20060106-00014
Callsign: E940534
Name: ORBCOMM License Corp.
Phone Number: 703-433-6300
Fax Number: 202-783-5851
E-Mail: Franco.Brad@ORBCOMM.com
Attention: Brad Franco

Name: Stephen L. Goodman
Company: Wilkinson Barker Knauer, LLP
Phone Number: 202-783-4141
Fax Number: 202-783-5851
E-Mail: sgoodman@wbklaw.com
Relationship: Legal Counsel

Special Conditions:

- (7) Prior to commencing any operations in the 137.0250 -138 MHz and 148.25-148.5850 MHz frequency bands, the applicant must notify the earth station licensees listed below of its test dates and provide a stop buzzer in case of interference:
File Number: SES-LIC-20190612-00769
Callsign: E190490
Name: Swarm Technologies, Inc. Phone Number: 425-753-3349
E-Mail: sophie@swarm.space
Attention: D r. Sophie Arlow
Name: Kalpak Gude Phone Number: 202-437-4484
E-Mail: kalpak@swarm.space
Attention: Kalpak Gude
- (8) Prior to commencing any operations in the 156.0125-162.0375 MHz (AIS) frequency band, the applicant must notify Iridium Constellation LLC (Name: Ms Maureen C McLaughlin, Phone Number: : 703-287-7518 E-Mail: : maureen.mclaughlin@iridium.com) or Name: Jennifer Hindin Phone Number: 2027194975 E-Mail: jhindin@wileyrein.com) of its test dates and provide a stop buzzer in case of interference.
- (9) Prior to commencing any operations in the 156.7625-156.7875 MHz (Automatic Identification System (AIS) (AIS 3)), 156.8125-156.8375 MHz (AIS 4), 161.9625-161.9875 MHz (AIS 1), 162.0125-162.0375 MHz (AIS 2), 161.9375-161.9625 MHz (Application Specific Messages (ASM) (ASM 1)), 161.9875-162.0125 MHz (ASM 2) frequency bands, the applicant must notify Spire Global, Inc. (Name: Jonathan Rosenblatt, Phone Number: 628-221-5324 E-Mail: jonathan.rosenblatt@spire.com) of its test dates and provide a stop buzzer in case of interference.
- (10) Prior to commencing any operations in the 156.7625-156.7875 MHz (Automatic Identification System (AIS) (AIS 3)), 156.8125-156.8375 MHz (AIS 4), 161.9625-161.9875 MHz (AIS 1), 162.0125-162.0375 MHz (AIS 2) frequency bands, the applicant must notify HawkEye 360, Inc. (Name: Mr. Rob Rainhart, Phone Number: 571-203-0360 E-Mail: rob@he360.com or Mr. Michael Mineiro Phone Number: 571-203-0360 E-Mail: michael.mineiro@he360.com) of its test dates and provide a stop buzzer in case of interference.
- (11) Prior to commencing any operations in the 161-163 5 MHz frequency band (Automatic Identification System (AIS)), the applicant must notify ORBCOMM License Corp. (Name: Walter H. Sonnenfeldt, Phone Number: 585-461-3018, Fax Number: 585-461-3476, E-Mail: sonnenfeldt.walter@orbcomm.com or Name: Stephen L. Goodman, Phone Number: 202-607-6756, E-Mail: Stephenlgoodman@aol.com) of its test dates and provide a stop buzzer in case of interference.

Special Conditions:

- (12) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 50 miles of the contours of the testing area:
- Paging Service licensees in 35 MHz
 - Paging Service licensees in 43 MHz
 - Paging Service licensees in 152 MHz
 - Paging Service licensees in 158 MHz
 - Paging Service licensees in 152 MHz/158 MHz
 - AMTS Licensee (217-218 MHz/219-220 MHz)
 - 218-219 MHz Service licensees
 - 220-222 MHz Service licensees
 - Paging 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 and 775-788 MHz)
 - SMR licensees (809-824 MHz/854-869 MHz)
 - B/ILT licensees (809-824 MHz/854-869 MHz)
 - Cellular licensees (824-849 MHz/869-894 MHz)
 - Commercial Air-Ground licensee (849-851 MHz/894-896 MHz)
 - SMR licensees (896-901 MHz/935-940 MHz)
 - B/ILT licensees (896-901 MHz/935-940 MHz)
 - Narrowband PCS licensees (901-902/930-931/940-941 MHz)
 - Location & Monitoring Service licensees (902-928 MHz)
 - Paging Service licensees in 929 MHz and 931 MHz
- (13) JAXON Engineering and Maintenance must notch out the following frequencies:
- 5.9-6.2 MHz,
 - 7.2-7.45 MHz,
 - 9.4-9.9 MHz,
 - 11.6-12.1 MHz,
 - 13.57-13.87 MHz,
 - 15.1-15.8 MHz,
 - 17.48-17.9 MHz,
 - 18.9-19.02 MHz,
 - 21.45-21.85 MHz,
 - 25.67-26.1 MHz
- (14) JAXON Engineering and Maintenance shall provide a stop buzzer POC to james.aviles@faa.gov
- (15) Local coordination with the nearest FAA Air Traffic Control Tower or Flight Standards District Office is NOT a substitute for primary coordination with the FAA Spectrum Office via FCC/NTIA. FAA Spectrum Engineering is the point-of-contact for any frequency coordination regarding aviation-related frequency bands. Any future and subsequent requests impacting FAA-engineered bands must be pre-coordinated with FAA via WebFCR.

Special Conditions:

- (16) JAXON Engineering and Maintenance must notch out the frequencies and frequency bands:
- 215-530 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)
 - 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)
 - 4731.4 kHz (+/- 1.4 kHz)
 - 4734.4 kHz (+/- 1.4 kHz)
 - 4821 kHz (+/- 1.4 kHz)
 - 4902 kHz (+/- 1.4 kHz)
 - 4965 kHz (+/- 1.4 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)
 - 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)
 - 5931 kHz (+/- 1.5 kHz)
 - 5934 kHz (+/- 1.5 kHz)
 - 5941 kHz (+/- 1.5 kHz)
 - 5942.5 kHz (+/- 1.5 kHz)
 - 5943.5 kHz (+/- 1.4 kHz)
 - 5944 kHz (+/- 1.5 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)
 - 6710.4 kHz (+/- 1.4 kHz)
 - 6743.4 kHz (+/- 1.4 kHz)

Special
6961 kHz (+/- 1.5 kHz)
7419.5 kHz (+/- 1.4 kHz)
7439 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)
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)
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)
9291 kHz (+/- 1.5 kHz)
9332 kHz (+/- 1.5 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)
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)
12081.5 kHz (+/- 1.4 kHz)

Specific

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)
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)
15083.4 kHz (+/- 1.4 kHz)
15086.4 kHz (+/- 1.4 kHz)
15089.4 kHz (+/- 1.4 kHz)
15640.5 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)
17922.4 kHz (+/- 1.4 kHz)
17989.4 kHz (+/- 1.4 kHz)
18186.5 kHz (+/- 1.4 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)
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)
26582.5 kHz (+/- 1.4 kHz)
2660.4 kHz (+/- 1.4 kHz)
26640.5 kHz (+/- 1.4 kHz)
2679.4 kHz (+/- 1.4 kHz)
2749.4 kHz (+/- 1.4 kHz)
27590.5 kHz (+/- 1.4 kHz)
73-75.4 MHz
108-137 MHz
143.550 MHz (+/- 5.5 kHz)
143.700 MHz (+/- 5.5 kHz)
148.150 MHz (+/- 5.5 kHz)
148.125 MHz (+/- 5.5 kHz)
156.525 MHz (+/- 12.5Hz)
156.800 MHz (+/- 12.5Hz)
161.975 MHz (+/- 12.5Hz)
162.025 MHz (+/- 12.5Hz)
164.0874 MHz (+/- 12.5Hz)
166.8500 MHz (+/- 12.5Hz)
166.8750 MHz (+/- 12.5Hz)

Specific
166.9750 MHz (+/- 12.5Hz)
168.6125 MHz (+/- 12.5Hz)
171.5375 MHz (+/- 12.5Hz)
242.9-243.1 MHz
328.6-335.4 MHz
406.025 MHz (+/- 12.5Hz)
406.050 MHz (+/- 12.5Hz)
449.75-450.25 MHz
608-614 MHz
980-1000 MHz

- (17) JAXON Engineering and Maintenance must notch out the Band 14 or contact FirstNet at: peter.tomczak@firstnet.gov for consent.