

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

EXPERIMENTAL

(Nature of Service)

WO9XWP

(Call Sign)

XT MO

(Class of Station)

1250-EX-ST-2019

(File Number)

NAME BAE Systems Information and Electronic Systems Integration Inc.

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:

BAE Systems developed and produces SIGINT systems used by US Government military customers.

Station Locations

- (1) MOBILE: Temporary Fixed Ground Operations Tooele County, UT, within 5.5 km, centered around NL 40-11-02; WL 112-59-29
- (2) MOBILE: Temporary Fixed Ground Operations Tooele County, UT, within 5.5 km, centered around NL 40-11-02; WL 112-59-29

Frequency Information

MOBILE: Temporary Fixed Ground Operations Tooele County, UT, within 5.5 km, centered around NL 40-11-02; WL 112-59-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
698-752 MHz	MO	NON	20 W (ERP)	
801.5-960 MHz	MO	NON	20 W (ERP)	

This authorization effective February 01, 2020 and
will expire 3:00 A.M. EST August 02, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1711.2-1984.75 MHz	MO	N0N	20 W (ERP)	
2110.2-2169.8 MHz	MO	N0N	20 W (ERP)	
2502.2-2531.8 MHz	MO	N0N	20 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
20.01-74.6 MHz	MO	N0N	50 W (ERP)	
75.12 MHz	MO	N0N	50 W (ERP)	
75.4-99.25 MHz	MO	N0N	50 W (ERP)	
100.25-107.99 MHz	MO	N0N	24 W (ERP)	
108.55 MHz	MO	N0N	24 W (ERP)	
112.475 MHz	MO	N0N	24 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
113.325 MHz	MO	N0N	24 W (ERP)	
114.475 MHz	MO	N0N	24 W (ERP)	
115.35 MHz	MO	N0N	24 W (ERP)	
117.925 MHz	MO	N0N	24 W (ERP)	
121.9376-123.5874 MHz	MO	N0N	24 W (ERP)	
123.57 MHz	MO	N0N	24 W (ERP)	
126.2 MHz	MO	N0N	24 W (ERP)	
128.8126-132.0124 MHz	MO	N0N	24 W (ERP)	
134.1 MHz	MO	N0N	24 W (ERP)	
136 MHz	MO	N0N	24 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138-224.99 MHz	MO	N0N	24 W (ERP)	
243.85 MHz	MO	N0N	24 W (ERP)	
248.75 MHz	MO	N0N	24 W (ERP)	
251.225 MHz	MO	N0N	24 W (ERP)	
264.05 MHz	MO	N0N	24 W (ERP)	
266.675 MHz	MO	N0N	24 W (ERP)	
272.05 MHz	MO	N0N	24 W (ERP)	
277.5 MHz	MO	N0N	24 W (ERP)	
288.775 MHz	MO	N0N	24 W (ERP)	
297.525 MHz	MO	N0N	24 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
300.5 MHz	MO	N0N	24 W (ERP)	
303.5 MHz	MO	N0N	24 W (ERP)	
306.55 MHz	MO	N0N	24 W (ERP)	
312.7 MHz	MO	N0N	24 W (ERP)	
315.825 MHz	MO	N0N	24 W (ERP)	
319.825 MHz	MO	N0N	24 W (ERP)	
322.175 MHz	MO	N0N	24 W (ERP)	
338.625 MHz	MO	N0N	24 W (ERP)	
345.425 MHz	MO	N0N	24 W (ERP)	
362.075 MHz	MO	N0N	24 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
363.45 MHz	MO	N0N	24 W (ERP)	
366.675 MHz	MO	N0N	24 W (ERP)	
385.375 MHz	MO	N0N	24 W (ERP)	
389.225 MHz	MO	N0N	24 W (ERP)	
393.125 MHz	MO	N0N	24 W (ERP)	
397.05 MHz	MO	N0N	24 W (ERP)	
401-755.825 MHz	MO	N0N	24 W (ERP)	
798.45-959.925 MHz	MO	N0N	104 W (ERP)	
1704-1785 MHz	MO	N0N	104 W (ERP)	
1800-2699.99 MHz	MO	N0N	104 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2714.9 MHz	MO	N0N	104 W (ERP)	
2823.5 MHz	MO	N0N	104 W (ERP)	
2901-2936.425 MHz	MO	N0N	104 W (ERP)	

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.

Special Conditions:

- (3) 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
 - Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
 - WCS (2305-2320 MHz/2345-2360 MHz) licensee (AT&T).
- (4) Prior to commencing any operations in Aeronautical and Fixed frequencies, the applicant must coordinate with the Aerospace and Flight Test Radio Coordinating Council (AFTRCC).
- (5) Licensee must successfully obtain consents from the Educational Broadband Service and the Broadband Radio Service licensees prior to operation in 2496-2690 MHz range.
- (6) Prior to operation, licensee must successfully obtain consents from the Advance Wireless Service licensees.
- (7) Prior to operation, licensee must successfully coordinate with the local Society of Broadcast Engineers frequency coordinator and the existing and future Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d).
- (8) The frequency band 108.0000 - 121.9375 MHz Band (AAG), concurrence to TRANSMIT ONLY on the following:
- 108.5500 MHz
 - 112.4750 MHz
 - 113.3250 MHz
 - 114.4750 MHz
 - 115.3500 MHz
 - 117.9250 MHz

Special Conditions:

- (9) The frequency band 123.5875 - 128.8125 MHz Band (AAG), concurrence to TRANSMIT ONLY on the following:
123.5700 MHz
126.2000 MHz (ONLY IF COORDINATED WITH FAA FOR NEW NG NUMBER)
- (10) The frequency band 132.0125 - 137.0000 MHz Band (AAG), concurrence to TRANSMIT ONLY on the following:
134.1000 MHz
136.0000 MHz
- (11) The 225 - 400 MHz Band (MAG), NOTCH OUT the following:
239.0250 MHz (+/- 6 kHz)
269.3750 MHz (+/- 6 kHz)
291.6750 MHz (+/- 6 kHz)
328.6000 – 335.4000 MHz (band)
381.5500 MHz (+/- 6 kHz)
- (12) The 2700 - 2900 MHz Band, conditional concurrence noted of the following:
2714.9 MHz (ONLY IF COORDINATED WITH FAA FOR NEW NG NUMBER)
2823.5 MHz (ONLY IF COORDINATED WITH FAA FOR NEW NG NUMBER)

Special Conditions:

- (13) Operation must NOTCH OUT the following (+/- 12 kHz):

40.67000 MHz
122.9250 MHz
154.3100 MHz
168.1750 MHz
162.9625 MHz
163.1000 MHz
163.7125 MHz
164.1500 MHz
164.3625 MHz
164.9125 MHz
164.9375 MHz
164.9750 MHz
166.5625 MHz
166.6625 MHz
166.8125 MHz
166.8875 MHz
168.0250 MHz
168.1250 MHz
168.1500 MHz
168.2750 MHz
168.3500 MHz
168.6125 MHz
168.6250 MHz
168.6500 MHz
168.6750 MHz
168.7250 MHz
168.7750 MHz
169.0750 MHz
169.1250 MHz
169.1750 MHz
170.5750 MHz
171.7875 MHz
172.3750 MHz
172.5125 MHz
173.7750 MHz
2067.4 – 2073.6 MHz (band)
2082.6 – 2088.8 MHz (band)
2103.3 – 2109.5 MHz (band)
2690.0 – 2700.0 MHz (band)

- (14) Operation is not permitted using the frequency band 608 - 614 MHz.

- (15) Operation is NOT PERMITTED using the frequency bands

21924.000000 - 22000.000000 kHz
23200.000000 - 23350.000000 kHz
24990.000000 - 25010.000000 kHz

Special Conditions:

- (16) Operation is NOT PERMITTED using the following frequency bands:
- 74.600 - 75.400 MHz except 75.125 MHz
 - 162.462500 - 162.500000 MHz
 - 162.056250 - 162.068750 MHz
 - 162.475000 - 162.475000 MHz
 - 162.537500 - 162.562500 MHz
 - 162.868750 - 162.881250 MHz
 - 163.181250 - 163.193750 MHz
 - 166.162500 - 166.187500 MHz
 - 169.312500 - 169.337500 MHz
 - 172.162500 - 172.187500 MHz
 - 172.912500 - 172.937500 MHz
- (17) Operation the frequency bands 128.8125-132.0125 MHz and 136-137 MHz is subject to prior coordination with Aviation Spectrum Resources, Inc. (ASRI).
- (18) Transmission on any frequency falling within a channel designated for public safety use in section 90.20 of the Commission's rules is not authorized unless BAE first notifies all public safety licensees operating on such frequencies within 70 statute miles of the test transmitter, that testing will be conducted on such frequencies and provides a monitored telephone number for public safety licensees to report any interference to their communications.
- (19) This authorization SUPERSEDES the previous issued authorization with the same callsign and file number: amended condition.
- (20) Operation is NOT PERMITTED using the frequency bands:
- 21.450-21.850MHz
 - 25.670-26.100MHz