

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

EXPERIMENTAL

(Nature of Service)

WR9XXJ

(Call Sign)

XT MO

(Class of Station)

0554-EX-ST-2021

(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:

Testing equipment.

Station Locations

- (1) MOBILE: Temp. Fixed Ground Operations Fortt Wayne, Indiana, within 1 km, centered around NL 41-07-24; WL 85-12-36
- (2) MOBILE: Temp. Fixed Ground Operations Largo, Florida, within 1 km, centered around NL 27-52-27; WL 82-44-58
- (3) MOBILE: Temp. Fixed Ground Operations Rome, New York, within 1 km, centered around NL 43-13-32; WL 75-29-20
- (4) MOBILE: Temp. Fixed Ground Operations Ft Huachuca, Arizona, within 2 km, centered around NL 31-34-44; WL 110-20-48

Frequency Information

MOBILE: Temp. Fixed Ground Operations Fortt Wayne, Indiana, within 1 km, centered around NL 41-07-24; WL 85-12-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2-29.999 MHz	MO	100HA1A 3K00G1D 6K00G1D 9K00G1D	320 W (ERP)	0.00002 %

This authorization effective July 01, 2021 and
will expire 3:00 A.M. EST January 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temp. Fixed Ground Operations Fortt Wayne, Indiana, within 1 km, centered around NL 41-07-24; WL 85-12-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2-29.999 MHz	MO		320 W (ERP)	0.00002 %
		12K0G1D		
		15K0G1D		
		18K0G1D		
		21K0G1D		
		24K0G1D		
		30K0G1D		
		36K0G1D		
		42K0G1D		
		48K0G1D		
		3K00D1D		
		6K00D1D		
		9K00D1D		
		12K0D1D		
		15K0D1D		
		18K0D1D		
		21K0D1D		
		24K0D1D		
		30K0D1D		
		36K0D1D		
		42K0D1D		
		48K0D1D		
		1K24F1B		
		1K24J2B		
		2K70J2B		
2-29.999 MHz	MO		320 W (ERP)	0.00002 %
		2K80J3E		
		2K80R3E		

Frequency Information

MOBILE: Temp. Fixed Ground Operations Largo, Florida, within 1 km, centered around NL 27-52-27; WL 82-44-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2-29.999 MHz	MO	100HA1A	320 W (ERP)	0.00002 %
		3K00G1D		
		6K00G1D		
		9K00G1D		
		12K0G1D		
		15K0G1D		
		18K0G1D		
		21K0G1D		
		24K0G1D		
		30K0G1D		
		36K0G1D		
		42K0G1D		
		48K0G1D		
		3K00D1D		
		6K00D1D		
		9K00D1D		
		12K0D1D		
		15K0D1D		
		18K0D1D		
		21K0D1D		
		24K0D1D		
		30K0D1D		
		36K0D1D		
		42K0D1D		
		48K0D1D		
		1K24F1B		
		1K24J2B		
		2K70J2B		
2-29.999 MHz	MO	2K80J3E	320 W (ERP)	0.00002 %
		2K80R3E		

Frequency Information

MOBILE: Temp. Fixed Ground Operations Rome, New York, within 1 km, centered around NL 43-13-32; WL 75-29-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2-29.999 MHz	MO	100HA1A 3K00G1D 6K00G1D 9K00G1D 12K0G1D 15K0G1D 18K0G1D 21K0G1D 24K0G1D 30K0G1D 36K0G1D 42K0G1D 48K0G1D 3K00D1D 6K00D1D 9K00D1D 12K0D1D 15K0D1D 18K0D1D 21K0D1D 24K0D1D 30K0D1D 36K0D1D 42K0D1D 48K0D1D 1K24F1B 1K24J2B 2K70J2B	320 W (ERP)	0.00002 %
2-29.999 MHz	MO	2K80J3E 2K80R3E	320 W (ERP)	0.00002 %

Frequency Information

MOBILE: Temp. Fixed Ground Operations Ft Huachuca, Arizona, within 2 km, centered around NL 31-34-44; WL 110-20-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2-29.999 MHz	MO	100HA1A	320 W (ERP)	0.00002 %
		3K00G1D		
		6K00G1D		
		9K00G1D		
		12K0G1D		
		15K0G1D		
		18K0G1D		
		21K0G1D		
		24K0G1D		
		30K0G1D		
		36K0G1D		
		42K0G1D		
		48K0G1D		
		3K00D1D		
		6K00D1D		
		9K00D1D		
		12K0D1D		
		15K0D1D		
		18K0D1D		
		21K0D1D		
		24K0D1D		
		30K0D1D		
		36K0D1D		
		42K0D1D		
		48K0D1D		
		1K24F1B		
		1K24J2B		
		2K70J2B		
2-29.999 MHz	MO	2K80J3E	320 W (ERP)	0.00002 %
		2K80R3E		

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) The applicant must coordinate with the local Society of Broadcast Engineers frequency coordinator in each proposed area prior to operation in the proposed frequency bands.
- (4) Operation is not permitted the use of the International High Frequency Broadcasting frequencies.
5900-6200KHz
7200-7450KHz
9400-9900KHz
11600-12100KHz
13570-13870KHz
15100-15800KHz
17480-17900KHz
18900-19020KHz
21450-21850KHz
25670-26100KHz
- (5) BAE Systems Information and Electronic Systems Integration Inc. must provide a weekly schedule of all planned transmissions at least 96 hours prior to any week with scheduled operations. Schedules should be sent via email to the DoD Area Frequency Coordinator - Arizona at mark.k.rossow.civ@mail.mil

Special Conditions:

- (6) BAE Systems Information and Electronic Systems Integration Inc. must notch out the following:
- a.Bands: 2.495 – 2.505 MHz, 2.850 – 3.025 MHz, 3.4 – 3.5 MHz, 4.65 – 4.7 MHz, 4.995 – 5.005 MHz, 5.45 – 5.68 MHz, 6.525 – 6.685 MHz, 8.815 – 8.965 MHz, 9.995 – 10.100 MHz, 11.275 – 11.4 MHz, 13.26 – 13.36 MHz, 14.99 – 15.0115 MHz, 17.9 – 17.97 MHz, 19.99 – 20.0120 MHz, 21.924 – 22 MHz, 24.99 – 25.0125 MHz
- b.Frequencies:
- i.(+/- 1.4 kHz) 2174 kHz, 2183.4 kHz, 2187.5 kHz, 2660.4 kHz, 2679.4 kHz, 2749.4 kHz, 3024.4 kHz, 3054.4 kHz, 3057.4 kHz, 3120.4 kHz, 3123.4 kHz, 4126.4 kHz, 4177.5 kHz, 4207.5 kHz, 4572.5 kHz, 4576.4 kHz, 4731.4 kHz, 4734.4 kHz, 4821 kHz, 5108 kHz, 5681.4 kHz, 5694.4 kHz, 5697.4 kHz, 5700.4 kHz, 5885 kHz, 5943.4 kHz, 6216.4 kHz, 6268 kHz, 6312 kHz, 6502.4 kHz, 6517.4 kHz, 6710.4 kHz, 6743.4 kHz, 7419.5 kHz, 7630.5 kHz, 7669.5 kHz, 7736 kHz, 7743 kHz, 7747 kHz, 7775 kHz, 7793 kHz, 7821 kHz, 8292.4 kHz, 8414.5 kHz, 8765.4 kHz, 8981.4 kHz, 8984.4 kHz, 9035.4 kHz, 9038.4 kHz, 10774 kHz, 10810 kHz, 10891 kHz, 10918 kHz, 11197.4 kHz, 11200.4 kHz, 11203.4 kHz, 12081.5 kHz, 12291.4 kHz, 12520 kHz, 13219.4 kHz, 13222.4 kHz, 13434 kHz, 13493 kHz, 13496 kHz, 14428.5 kHz, 14461 kHz, 15640.5 kHz, 16027.5 kHz, 16421.4 kHz, 16695 kHz, 16804.5 kHz, 18168.5 kHz, 20137 kHz, 20247.5 kHz, 20330 kHz, 20843 kHz, 20882.5 kHz, 20985 kHz, 23074 kHz, 23077 kHz, 23091 kHz, 23840.5 kHz, 24228.5 kHz, 24793.5 kHz, 26582.5 kHz, 26640.5 kHz, 27590.5 kHz
- ii.(+/- 1.5 kHz) 5107 kHz, 5108.5 kHz, 5110 kHz, 5215.5 kHz, 5217 kHz, 5221.5 kHz, 5223 kHz, 5224.5 kHz, 5264.5 kHz, 5266 kHz, 5267.5 kHz, 5270.5 kHz, 5272 kHz, 5418 kHz, 5419.5 kHz, 5421 kHz, 5931 kHz, 5934 kHz, 5941 kHz, 5942.5 kHz, 5944 kHz, 6961 kHz, 7439 kHz, 7577 kHz, 7617 kHz, 7626 kHz, 7754.5 kHz, 7845 kHz, 7884 kHz, 7909 kHz, 8459 kHz, 8503.9 kHz, 8682 kHz, 9110 kHz, 9169 kHz, 9291 kHz, 9332 kHz, 10297.5 kHz, 10338.5 kHz, 10354.5 kHz, 10378 kHz, 10675 kHz, 10759 kHz, 10788 kHz, 10929.5 kHz, 10935.5 kHz, 11024 kHz, 11045 kHz, 11157.5 kHz
- (7) Stop buzzers, Larry Strickland at 727-560-0231 and Philip M. Alt at 260-615-0543.
- (8) This authorization is issued for the express purpose of conducting experimental operation described in the related application and required by United States Air Force, contract Number: FA8576-19-9-0001. 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.
- (9) This authorization SUPERSEDES the previously issued authorization with the same call sign and file number: amended conditions.