

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

EXPERIMENTAL

(Nature of Service)

WR9XPG

(Call Sign)

XT FX MO

(Class of Station)

0034-EX-ST-2021

(File Number)

NAME Scientific Applications and Research Associates 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:

The purpose is to test coupled and conducted tests of equipment in the HF and lower end of VHF bands.

Station Locations

- (1) Colorado Springs (EL PASO), CO - NL 38-49-30; WL 104-49-48; MOBILE:within 0.03 km

Frequency Information

Colorado Springs (EL PASO), CO - NL 38-49-30; WL 104-49-48; MOBILE:within 0.03 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.5 MHz	FX	NON	82 W (ERP)	0.77 %
7 MHz	FX	NON	82 W (ERP)	0.71 %
7.5 MHz	FX	NON	82 W (ERP)	0.67 %

This authorization effective March 01, 2021 and
will expire 3:00 A.M. EST June 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Colorado Springs (EL PASO), CO - NL 38-49-30; WL 104-49-48; MOBILE:within 0.03 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8 MHz	FX	N0N	82 W (ERP)	0.63 %
8.5 MHz	FX	N0N	82 W (ERP)	0.59 %
9 MHz	FX	N0N	82 W (ERP)	0.56 %
10.5 MHz	FX	N0N	82 W (ERP)	0.48 %
11 MHz	FX	N0N	82 W (ERP)	0.45 %
11.5 MHz	FX	N0N	82 W (ERP)	0.43 %
12.5 MHz	FX	N0N	82 W (ERP)	0.4 %
13 MHz	FX	N0N	82 W (ERP)	0.38 %
13.5 MHz	FX	N0N	82 W (ERP)	0.37 %
14 MHz	FX	N0N	82 W (ERP)	0.36 %

Frequency Information

Colorado Springs (EL PASO), CO - NL 38-49-30; WL 104-49-48; MOBILE:within 0.03 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.5 MHz	FX	N0N	82 W (ERP)	0.34 %
15.5 MHz	FX	N0N	82 W (ERP)	0.32 %
16 MHz	FX	N0N	82 W (ERP)	0.31 %
16.5 MHz	FX	N0N	82 W (ERP)	0.3 %
17 MHz	FX	N0N	82 W (ERP)	0.29 %
17.5 MHz	FX	N0N	82 W (ERP)	0.29 %
18 MHz	FX	N0N	82 W (ERP)	0.28 %
18.5 MHz	FX	N0N	82 W (ERP)	0.27 %
19 MHz	FX	N0N	82 W (ERP)	0.26 %
19.5 MHz	FX	N0N	82 W (ERP)	0.26 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
20.5 MHz	FX	N0N	82 W (ERP)	0.24 %
21 MHz	FX	N0N	82 W (ERP)	0.24 %
22.5 MHz	FX	N0N	82 W (ERP)	0.22 %
23 MHz	FX	N0N	82 W (ERP)	0.22 %
23.5 MHz	FX	N0N	82 W (ERP)	0.21 %
24 MHz	FX	N0N	82 W (ERP)	0.21 %
24.5 MHz	FX	N0N	82 W (ERP)	0.2 %
25.5 MHz	FX	N0N	82 W (ERP)	0.2 %
26.5 MHz	FX	N0N	82 W (ERP)	0.19 %
27 MHz	FX	N0N	82 W (ERP)	0.19 %

Frequency Information

Colorado Springs (EL PASO), CO - NL 38-49-30; WL 104-49-48; MOBILE:within 0.03 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5 MHz	FX	N0N	82 W (ERP)	0.18 %
28 MHz	FX	N0N	82 W (ERP)	0.18 %
28.5 MHz	FX	N0N	82 W (ERP)	0.18 %
29 MHz	FX	N0N	82 W (ERP)	0.17 %
29.5 MHz	FX	N0N	82 W (ERP)	0.17 %
30 MHz	FX	N0N	82 W (ERP)	0.17 %
30.5 MHz	FX	N0N	82 W (ERP)	0.17 %
31 MHz	FX	N0N	82 W (ERP)	0.16 %
31.5 MHz	FX	N0N	82 W (ERP)	0.16 %
32 MHz	FX	N0N	82 W (ERP)	0.16 %

Frequency Information

Colorado Springs (EL PASO), CO - NL 38-49-30; WL 104-49-48; MOBILE:within 0.03 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
32.5 MHz	FX	N0N	82 W (ERP)	0.31 %
33 MHz	FX	N0N	82 W (ERP)	0.15 %
33.5 MHz	FX	N0N	82 W (ERP)	0.15 %
34 MHz	FX	N0N	82 W (ERP)	0.15 %
34.5 MHz	FX	N0N	82 W (ERP)	0.14 %
35 MHz	FX	N0N	82 W (ERP)	0.14 %
35.5 MHz	FX	N0N	82 W (ERP)	0.14 %
36 MHz	FX	N0N	82 W (ERP)	0.14 %
36.5 MHz	FX	N0N	82 W (ERP)	0.14 %
37 MHz	FX	N0N	82 W (ERP)	0.14 %

Frequency Information

Colorado Springs (EL PASO), CO - NL 38-49-30; WL 104-49-48; MOBILE:within 0.03 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
37.5 MHz	FX	N0N	82 W (ERP)	0.13 %
38.5 MHz	FX	N0N	82 W (ERP)	0.13 %
39 MHz	FX	N0N	82 W (ERP)	0.13 %
39.5 MHz	FX	N0N	82 W (ERP)	0.13 %
40 MHz	FX	N0N	82 W (ERP)	0.13 %
40.5 MHz	FX	N0N	82 W (ERP)	0.12 %
41 MHz	FX	N0N	82 W (ERP)	0.12 %
41.5 MHz	FX	N0N	82 W (ERP)	0.12 %
42 MHz	FX	N0N	82 W (ERP)	0.12 %
42.5 MHz	FX	N0N	82 W (ERP)	0.12 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
43 MHz	FX	N0N	82 W (ERP)	0.12 %
43.5 MHz	FX	N0N	82 W (ERP)	0.11 %
44 MHz	FX	N0N	82 W (ERP)	0.11 %
44.5 MHz	FX	N0N	82 W (ERP)	0.11 %
45 MHz	FX	N0N	82 W (ERP)	0.11 %
45.5 MHz	FX	N0N	82 W (ERP)	0.11 %
46 MHz	FX	N0N	82 W (ERP)	0.11 %
46.5 MHz	FX	N0N	82 W (ERP)	0.11 %
47 MHz	FX	N0N	82 W (ERP)	0.11 %
47.5 MHz	FX	N0N	82 W (ERP)	0.11 %

Frequency Information

Colorado Springs (EL PASO), CO - NL 38-49-30; WL 104-49-48; MOBILE:within 0.03 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
48 MHz	FX	N0N	82 W (ERP)	0.1 %
48.5 MHz	FX	N0N	82 W (ERP)	0.1 %
49 MHz	FX	N0N	82 W (ERP)	0.1 %
49.5 MHz	FX	N0N	82 W (ERP)	0.1 %
50 MHz	FX	N0N	82 W (ERP)	0.1 %

Special Conditions:

- (1) The FCC's International Bureau objected to the use of 6 MHz, 9.5 MHz, 12 MHz, 21.5 MHz and 26 MHz.
- (2) 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
- (3) NTIA objected to the following frequencies:
 - a. Standard Time and Frequency
 - i. 5 MHz
 - ii. 10 MHz
 - iii. 15 MHz
 - iv. 20 MHz
 - v. 25 MHz
 - b. Aviation HF operations:
 - i. 5.5 MHz
 - ii. 22 MHz
 - c. Radio Astronomy
 - i. 38-38.25 MHz